[5/31/2024 13:21:13]

 threads=-1

 batch=24 of 24

 exe=

 nextsim=

[5/31/2024 13:21:13] C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si38\echo.i4p

[5/31/2024 13:21:13] Reading Simulation

[5/31/2024 13:21:13] Simulation=5YR24HR-2.36

[5/31/2024 13:21:13] RunMode=0

[5/31/2024 13:21:13] HotStart=0

[5/31/2024 13:21:13] SaveRestart=0

[5/31/2024 13:21:13] StartYear=0

[5/31/2024 13:21:13] StartMonth=0

[5/31/2024 13:21:13] StartDay=0

[5/31/2024 13:21:13] StartHour=0.000

[5/31/2024 13:21:13] EndYear=0

[5/31/2024 13:21:13] EndMonth=0

[5/31/2024 13:21:13] EndDay=0

[5/31/2024 13:21:13] EndHour=48.000

[5/31/2024 13:21:13] HotstartYear=0

[5/31/2024 13:21:13] HotstartMonth=0

[5/31/2024 13:21:14] HotstartDay=0

[5/31/2024 13:21:14] HotstartHour=0.000

[5/31/2024 13:21:14] MinCalc\_Hydrology=60.000

[5/31/2024 13:21:14] MinCalc\_Hydraulics=0.100

[5/31/2024 13:21:14] MaxCalc\_Hydraulics=30.000

[5/31/2024 13:21:14] MinCalc\_Groundwater=900.000

[5/31/2024 13:21:14] RainfallSet=

[5/31/2024 13:21:14] RefETSet=

[5/31/2024 13:21:14] UnitHydSet=

[5/31/2024 13:21:14] BndStageSet=25YR24HR-2.36

[5/31/2024 13:21:14] ExHydSet=

[5/31/2024 13:21:14] CurveNumSet=

[5/31/2024 13:21:14] GreenAmptSet=

[5/31/2024 13:21:14] VertLayerSet=

[5/31/2024 13:21:14] ImpervSet=

[5/31/2024 13:21:14] RoughnessSet=

[5/31/2024 13:21:14] CropCoefSet=

[5/31/2024 13:21:14] PorosSet=

[5/31/2024 13:21:14] ConductSet=

[5/31/2024 13:21:14] LeakageSet=

[5/31/2024 13:21:14] TimeMarching=0

[5/31/2024 13:21:14] MaxIterations=6

[5/31/2024 13:21:14] OverRelaxWeightFactor=0.500

[5/31/2024 13:21:14] dZTolerance=0.001

[5/31/2024 13:21:14] MaxdZ=1.500

[5/31/2024 13:21:14] LinkOptTol=0.000

[5/31/2024 13:21:14] EdgeLengthOpt=0

[5/31/2024 13:21:14] EdgeLengthFactor=0.667

[5/31/2024 13:21:14] DefaultDampThresh2d=0.005

[5/31/2024 13:21:14] MinSurfArea2d=100.000

[5/31/2024 13:21:14] EnergySwitch2d=1

[5/31/2024 13:21:14] IaTime=24.000

[5/31/2024 13:21:14] IncludeETManBasns=384657664

[5/31/2024 13:21:14] VertLayerSoln=0

[5/31/2024 13:21:14] RainOptManBasns=1

[5/31/2024 13:21:14] RainOptOF=1

[5/31/2024 13:21:14] RainName=~FLMOD

[5/31/2024 13:21:14] RainAmount=5.940

[5/31/2024 13:21:14] StormDur=24.000

[5/31/2024 13:21:14] DefaultDampThresh1D=0.005

[5/31/2024 13:21:14] MinNodeSurfArea1D=100.000

[5/31/2024 13:21:14] EnergySwitch1D=1

[5/31/2024 13:21:14] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 13:21:14] 19 threads [20 cores detected]

[5/31/2024 13:21:14] SolutionMethod=SAOR

[5/31/2024 13:21:15] No \_ET.TXT

[5/31/2024 13:21:15] No \_EV.TXT

[5/31/2024 13:21:15] Reading Operating Tables

[5/31/2024 13:21:15] Reading Cross Sections

[5/31/2024 13:21:15] Reading 1D Nodes

[5/31/2024 13:21:15] Reading Overland Flow Nodes

[5/31/2024 13:21:15] Reading 1D Channels

[5/31/2024 13:21:15] Setting up channel ghost nodes

[5/31/2024 13:21:15] Reading Pipes

[5/31/2024 13:21:15] Reading Rating Curves

[5/31/2024 13:21:15] Reading Weirs

[5/31/2024 13:21:15] Reading Drop Structures

[5/31/2024 13:21:15] Reading Breaches

[5/31/2024 13:21:15] Reading Percs

[5/31/2024 13:21:15] Reading Overland Flow Channels

[5/31/2024 13:21:15] Reading Overland Flow Weirs

[5/31/2024 13:21:15] Setting up ghost nodes

[5/31/2024 13:21:15] Reading Manual Basins

[5/31/2024 13:21:16] Reading Overland Flow Basins

[5/31/2024 13:21:16] Sorting basins

[5/31/2024 13:21:16] Reading Basin Features

[5/31/2024 13:21:16] Reading Groundwater

[5/31/2024 13:21:16] Initializing threads

[5/31/2024 13:21:16] Build Complete

[5/31/2024 13:21:16] Total basin area=47.340

[5/31/2024 13:21:16] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 13:21:16]

[5/31/2024 13:21:16] --- Hydrology Counts -----------------------------------------------

[5/31/2024 13:21:16] Total Basin = 28

[5/31/2024 13:21:16] Direct Basin = 0

[5/31/2024 13:21:16] Manual NRCS Basin = 0

[5/31/2024 13:21:16] Manual SB Basin = 0

[5/31/2024 13:21:16] Mapped NRCS Basin = 0

[5/31/2024 13:21:16] Mapped SB Basin = 0

[5/31/2024 13:21:16] Simple NRCS Basin = 28

[5/31/2024 13:21:16] Simple SB Basin = 0

[5/31/2024 13:21:16] Total Basin Polygon = 28

[5/31/2024 13:21:16] Manual Basin Polygon = 0

[5/31/2024 13:21:16] Mapped Basin Polygon = 0

[5/31/2024 13:21:16] 2D Basin Polygon = 0

[5/31/2024 13:21:16] Crop = 0

[5/31/2024 13:21:17] Reference ET = 0

[5/31/2024 13:21:17] Rainfall = 1

[5/31/2024 13:21:17] Green Ampt Parameter = 0

[5/31/2024 13:21:17] Vert Layer Parameter = 0

[5/31/2024 13:21:17] Curve Number Parameter = 29

[5/31/2024 13:21:17] Imperviousness = 29

[5/31/2024 13:21:17]

[5/31/2024 13:21:17] --- Routing Counts -------------------------------------------------

[5/31/2024 13:21:17] Region = 0

[5/31/2024 13:21:17] Total Node = 55

[5/31/2024 13:21:17] 1D Stage Area = 52

[5/31/2024 13:21:17] 1D Time Stage = 3

[5/31/2024 13:21:17] 1D Drop Nodes = 0

[5/31/2024 13:21:17] 2D Stage Area = 0

[5/31/2024 13:21:17] 2D Time Stage = 0

[5/31/2024 13:21:17] 2D Pond Ghost = 0

[5/31/2024 13:21:17] 2D Chan Ghost = 0

[5/31/2024 13:21:17] 1D/2D Node Interfaces = 0

[5/31/2024 13:21:17] 1D/2D Injection Wells = 0

[5/31/2024 13:21:18] Total Link = 86

[5/31/2024 13:21:18] 1D Pipe = 27

[5/31/2024 13:21:18] 1D Drop Structure = 1

[5/31/2024 13:21:18] 1D French Drain = 0

[5/31/2024 13:21:18] 1D Channel = 2

[5/31/2024 13:21:18] 2D Channel = 0

[5/31/2024 13:21:18] 1D Weir = 54

[5/31/2024 13:21:18] 1D Drop Weir = 2

[5/31/2024 13:21:18] 2D Weir = 0

[5/31/2024 13:21:18] 1D Rating Curve = 0

[5/31/2024 13:21:18] 1D Percolation = 0

[5/31/2024 13:21:18] Cross Section = 36

[5/31/2024 13:21:18] Operating Table = 0

[5/31/2024 13:21:18]

[5/31/2024 13:21:18] --- Groundwater Counts ---------------------------------------------

[5/31/2024 13:21:18] Region = 0

[5/31/2024 13:21:18] Triangle = 0

[5/31/2024 13:21:18] Vertex = 0

[5/31/2024 13:21:18] Midpoint = 0

[5/31/2024 13:21:19] --------------------------------------------------------------------

[5/31/2024 13:21:19]

[5/31/2024 13:21:19] Processing Initial Link Flows...

[5/31/2024 13:21:19] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 13:21:19] Node N-BTW-11 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:19] Node N-BTW-12 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:19] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:19] Node N-BTW-10 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:19] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:19] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:19] Node N-BTW-23 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:19] Node N-BTW-10B caused a revert (this will only be logged once per node)

[5/31/2024 13:21:22] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 13:21:22] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:22] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:22] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:22] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:22] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:22] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:23] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:24] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:25] Node N-BTW-08 caused a revert (this will only be logged once per node)

[5/31/2024 13:21:25] Node N-BTW-09 caused a revert (this will only be logged once per node)

[5/31/2024 13:22:19] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 13:22:23] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 13:22:25] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 13:23:03] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 13:23:03] Node N-BTW-01 caused a revert (this will only be logged once per node)

[5/31/2024 13:23:03] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 13:23:05] Node N-BTW-01B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-19B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-20B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-25B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-26B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-27B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 13:23:06] Node N-BTW-17B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:07] Node N-BTW-18B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:08] Node N-BTW-16B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:10] Node N-BTW-11B caused a revert (this will only be logged once per node)

[5/31/2024 13:23:10] Node N-BTW-13 caused a revert (this will only be logged once per node)

[5/31/2024 13:23:13] Conduit Optimizer Total Count=18939103 of 22346268

[5/31/2024 13:23:13] PC busted 292 of 357971

[5/31/2024 13:23:13] Average Iterations was 1.229

[5/31/2024 13:23:13] Average dt was 0.50744 sec

[5/31/2024 13:23:13] Revert count=17423

[5/31/2024 13:23:13]

[5/31/2024 13:23:13] ---- Timers -----------------------------

[5/31/2024 13:23:14] Total Time=114.526 sec

[5/31/2024 13:23:14] Basin Time=0.012 sec

[5/31/2024 13:23:14] BasinPoly Time=0.005 sec

[5/31/2024 13:23:14] Node Time=7.439 sec

[5/31/2024 13:23:14] Link Time=97.771 sec

[5/31/2024 13:23:14] Hydrology Output Time=2.202 sec

[5/31/2024 13:23:14] Groundwater Output Time=0.002 sec

[5/31/2024 13:23:14] Routing Output Time=2.846 sec

[5/31/2024 13:23:14] --- Thread Timers --------------------

[5/31/2024 13:23:14] Thread[0] Basin Time=0.005 sec

[5/31/2024 13:23:14] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 13:23:14] Thread[0] Node Time=0.459 sec

[5/31/2024 13:23:14] Thread[0] Link Time=41.580 sec

[5/31/2024 13:23:14] --- Thread Timers --------------------

[5/31/2024 13:23:14] Thread[1] Basin Time=0.005 sec

[5/31/2024 13:23:14] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 13:23:14] Thread[1] Node Time=0.690 sec

[5/31/2024 13:23:14] Thread[1] Link Time=49.804 sec

[5/31/2024 13:23:14] --- Thread Timers --------------------

[5/31/2024 13:23:14] Thread[2] Basin Time=0.008 sec

[5/31/2024 13:23:14] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 13:23:14] Thread[2] Node Time=0.529 sec

[5/31/2024 13:23:14] Thread[2] Link Time=50.855 sec

[5/31/2024 13:23:14] --- Thread Timers --------------------

[5/31/2024 13:23:15] Thread[3] Basin Time=0.006 sec

[5/31/2024 13:23:15] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 13:23:15] Thread[3] Node Time=0.571 sec

[5/31/2024 13:23:15] Thread[3] Link Time=48.228 sec

[5/31/2024 13:23:15] --- Thread Timers --------------------

[5/31/2024 13:23:15] Thread[4] Basin Time=0.009 sec

[5/31/2024 13:23:15] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 13:23:15] Thread[4] Node Time=0.527 sec

[5/31/2024 13:23:15] Thread[4] Link Time=52.093 sec

[5/31/2024 13:23:15] --- Thread Timers --------------------

[5/31/2024 13:23:15] Thread[5] Basin Time=0.006 sec

[5/31/2024 13:23:15] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 13:23:15] Thread[5] Node Time=0.562 sec

[5/31/2024 13:23:15] Thread[5] Link Time=1.961 sec

[5/31/2024 13:23:15] --- Thread Timers --------------------

[5/31/2024 13:23:15] Thread[6] Basin Time=0.006 sec

[5/31/2024 13:23:15] Thread[6] BasinPoly Time=0.001 sec

[5/31/2024 13:23:15] Thread[6] Node Time=0.603 sec

[5/31/2024 13:23:15] Thread[6] Link Time=4.477 sec

[5/31/2024 13:23:15] --- Thread Timers --------------------

[5/31/2024 13:23:15] Thread[7] Basin Time=0.006 sec

[5/31/2024 13:23:15] Thread[7] BasinPoly Time=0.002 sec

[5/31/2024 13:23:15] Thread[7] Node Time=1.521 sec

[5/31/2024 13:23:15] Thread[7] Link Time=53.028 sec

[5/31/2024 13:23:15] --- Thread Timers --------------------

[5/31/2024 13:23:15] Thread[8] Basin Time=0.005 sec

[5/31/2024 13:23:15] Thread[8] BasinPoly Time=0.001 sec

[5/31/2024 13:23:15] Thread[8] Node Time=0.485 sec

[5/31/2024 13:23:15] Thread[8] Link Time=17.322 sec

[5/31/2024 13:23:15] --- Thread Timers --------------------

[5/31/2024 13:23:16] Thread[9] Basin Time=0.003 sec

[5/31/2024 13:23:16] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 13:23:16] Thread[9] Node Time=0.495 sec

[5/31/2024 13:23:16] Thread[9] Link Time=12.305 sec

[5/31/2024 13:23:16] --- Thread Timers --------------------

[5/31/2024 13:23:16] Thread[10] Basin Time=0.003 sec

[5/31/2024 13:23:16] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 13:23:16] Thread[10] Node Time=0.496 sec

[5/31/2024 13:23:16] Thread[10] Link Time=53.449 sec

[5/31/2024 13:23:16] --- Thread Timers --------------------

[5/31/2024 13:23:16] Thread[11] Basin Time=0.003 sec

[5/31/2024 13:23:16] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 13:23:16] Thread[11] Node Time=0.710 sec

[5/31/2024 13:23:16] Thread[11] Link Time=1.640 sec

[5/31/2024 13:23:16] --- Thread Timers --------------------

[5/31/2024 13:23:16] Thread[12] Basin Time=0.004 sec

[5/31/2024 13:23:16] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 13:23:16] Thread[12] Node Time=0.539 sec

[5/31/2024 13:23:16] Thread[12] Link Time=26.342 sec

[5/31/2024 13:23:16] --- Thread Timers --------------------

[5/31/2024 13:23:16] Thread[13] Basin Time=0.003 sec

[5/31/2024 13:23:16] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 13:23:16] Thread[13] Node Time=0.470 sec

[5/31/2024 13:23:17] Thread[13] Link Time=2.842 sec

[5/31/2024 13:23:17] --- Thread Timers --------------------

[5/31/2024 13:23:17] Thread[14] Basin Time=0.003 sec

[5/31/2024 13:23:17] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 13:23:17] Thread[14] Node Time=0.680 sec

[5/31/2024 13:23:17] Thread[14] Link Time=1.869 sec

[5/31/2024 13:23:17] --- Thread Timers --------------------

[5/31/2024 13:23:17] Thread[15] Basin Time=0.003 sec

[5/31/2024 13:23:17] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 13:23:17] Thread[15] Node Time=0.445 sec

[5/31/2024 13:23:17] Thread[15] Link Time=4.352 sec

[5/31/2024 13:23:17] --- Thread Timers --------------------

[5/31/2024 13:23:17] Thread[16] Basin Time=0.003 sec

[5/31/2024 13:23:17] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 13:23:17] Thread[16] Node Time=0.994 sec

[5/31/2024 13:23:17] Thread[16] Link Time=4.831 sec

[5/31/2024 13:23:17] --- Thread Timers --------------------

[5/31/2024 13:23:17] Thread[17] Basin Time=0.003 sec

[5/31/2024 13:23:17] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 13:23:17] Thread[17] Node Time=0.327 sec

[5/31/2024 13:23:17] Thread[17] Link Time=3.730 sec

[5/31/2024 13:23:17] --- Thread Timers --------------------

[5/31/2024 13:23:18] Thread[18] Basin Time=0.003 sec

[5/31/2024 13:23:18] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 13:23:18] Thread[18] Node Time=0.510 sec

[5/31/2024 13:23:18] Thread[18] Link Time=13.682 sec