[5/31/2024 13:12:52]

 threads=-1

 batch=20 of 24

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

 nextsim=C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si24\

[5/31/2024 13:12:52] C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si36\echo.i4p

[5/31/2024 13:12:52] Reading Simulation

[5/31/2024 13:12:52] Simulation=25YR24HR-2.36

[5/31/2024 13:12:52] RunMode=0

[5/31/2024 13:12:52] HotStart=0

[5/31/2024 13:12:52] SaveRestart=0

[5/31/2024 13:12:52] StartYear=0

[5/31/2024 13:12:52] StartMonth=0

[5/31/2024 13:12:52] StartDay=0

[5/31/2024 13:12:52] StartHour=0.000

[5/31/2024 13:12:52] EndYear=0

[5/31/2024 13:12:52] EndMonth=0

[5/31/2024 13:12:52] EndDay=0

[5/31/2024 13:12:52] EndHour=48.000

[5/31/2024 13:12:52] HotstartYear=0

[5/31/2024 13:12:52] HotstartMonth=0

[5/31/2024 13:12:52] HotstartDay=0

[5/31/2024 13:12:52] HotstartHour=0.000

[5/31/2024 13:12:52] MinCalc\_Hydrology=60.000

[5/31/2024 13:12:52] MinCalc\_Hydraulics=0.100

[5/31/2024 13:12:52] MaxCalc\_Hydraulics=30.000

[5/31/2024 13:12:52] MinCalc\_Groundwater=900.000

[5/31/2024 13:12:52] RainfallSet=

[5/31/2024 13:12:52] RefETSet=

[5/31/2024 13:12:52] UnitHydSet=

[5/31/2024 13:12:52] BndStageSet=25YR24HR-2.36

[5/31/2024 13:12:52] ExHydSet=

[5/31/2024 13:12:52] CurveNumSet=

[5/31/2024 13:12:52] GreenAmptSet=

[5/31/2024 13:12:52] VertLayerSet=

[5/31/2024 13:12:52] ImpervSet=

[5/31/2024 13:12:52] RoughnessSet=

[5/31/2024 13:12:52] CropCoefSet=

[5/31/2024 13:12:52] PorosSet=

[5/31/2024 13:12:52] ConductSet=

[5/31/2024 13:12:52] LeakageSet=

[5/31/2024 13:12:52] TimeMarching=0

[5/31/2024 13:12:52] MaxIterations=6

[5/31/2024 13:12:52] OverRelaxWeightFactor=0.500

[5/31/2024 13:12:52] dZTolerance=0.001

[5/31/2024 13:12:52] MaxdZ=1.500

[5/31/2024 13:12:52] LinkOptTol=0.000

[5/31/2024 13:12:52] EdgeLengthOpt=0

[5/31/2024 13:12:52] EdgeLengthFactor=0.667

[5/31/2024 13:12:52] DefaultDampThresh2d=0.005

[5/31/2024 13:12:53] MinSurfArea2d=100.000

[5/31/2024 13:12:53] EnergySwitch2d=1

[5/31/2024 13:12:53] IaTime=24.000

[5/31/2024 13:12:53] IncludeETManBasns=0

[5/31/2024 13:12:53] VertLayerSoln=0

[5/31/2024 13:12:53] RainOptManBasns=1

[5/31/2024 13:12:53] RainOptOF=1

[5/31/2024 13:12:53] RainName=~FLMOD

[5/31/2024 13:12:53] RainAmount=8.880

[5/31/2024 13:12:53] StormDur=24.000

[5/31/2024 13:12:53] DefaultDampThresh1D=0.005

[5/31/2024 13:12:53] MinNodeSurfArea1D=100.000

[5/31/2024 13:12:53] EnergySwitch1D=1

[5/31/2024 13:12:53] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 13:12:53] 19 threads [20 cores detected]

[5/31/2024 13:12:53] SolutionMethod=SAOR

[5/31/2024 13:12:53] No \_ET.TXT

[5/31/2024 13:12:53] No \_EV.TXT

[5/31/2024 13:12:53] Reading Operating Tables

[5/31/2024 13:12:53] Reading Cross Sections

[5/31/2024 13:12:53] Reading 1D Nodes

[5/31/2024 13:12:53] Reading Overland Flow Nodes

[5/31/2024 13:12:53] Reading 1D Channels

[5/31/2024 13:12:54] Setting up channel ghost nodes

[5/31/2024 13:12:55] Reading Pipes

[5/31/2024 13:12:55] Reading Rating Curves

[5/31/2024 13:12:55] Reading Weirs

[5/31/2024 13:12:55] Reading Drop Structures

[5/31/2024 13:12:55] Reading Breaches

[5/31/2024 13:12:55] Reading Percs

[5/31/2024 13:12:55] Reading Overland Flow Channels

[5/31/2024 13:12:55] Reading Overland Flow Weirs

[5/31/2024 13:12:55] Setting up ghost nodes

[5/31/2024 13:12:55] Reading Manual Basins

[5/31/2024 13:12:55] Reading Overland Flow Basins

[5/31/2024 13:12:56] Sorting basins

[5/31/2024 13:12:56] Reading Basin Features

[5/31/2024 13:12:56] Reading Groundwater

[5/31/2024 13:12:56] Initializing threads

[5/31/2024 13:12:56] Build Complete

[5/31/2024 13:12:56] Total basin area=47.340

[5/31/2024 13:12:56] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 13:12:56]

[5/31/2024 13:12:56] --- Hydrology Counts -----------------------------------------------

[5/31/2024 13:12:56] Total Basin = 28

[5/31/2024 13:12:56] Direct Basin = 0

[5/31/2024 13:12:56] Manual NRCS Basin = 0

[5/31/2024 13:12:56] Manual SB Basin = 0

[5/31/2024 13:12:56] Mapped NRCS Basin = 0

[5/31/2024 13:12:56] Mapped SB Basin = 0

[5/31/2024 13:12:56] Simple NRCS Basin = 28

[5/31/2024 13:12:56] Simple SB Basin = 0

[5/31/2024 13:12:56] Total Basin Polygon = 28

[5/31/2024 13:12:57] Manual Basin Polygon = 0

[5/31/2024 13:12:57] Mapped Basin Polygon = 0

[5/31/2024 13:12:57] 2D Basin Polygon = 0

[5/31/2024 13:12:57] Crop = 0

[5/31/2024 13:12:57] Reference ET = 0

[5/31/2024 13:12:57] Rainfall = 1

[5/31/2024 13:12:57] Green Ampt Parameter = 0

[5/31/2024 13:12:57] Vert Layer Parameter = 0

[5/31/2024 13:12:57] Curve Number Parameter = 29

[5/31/2024 13:12:57] Imperviousness = 29

[5/31/2024 13:12:57]

[5/31/2024 13:12:57] --- Routing Counts -------------------------------------------------

[5/31/2024 13:12:57] Region = 0

[5/31/2024 13:12:57] Total Node = 55

[5/31/2024 13:12:57] 1D Stage Area = 52

[5/31/2024 13:12:57] 1D Time Stage = 3

[5/31/2024 13:12:57] 1D Drop Nodes = 0

[5/31/2024 13:12:57] 2D Stage Area = 0

[5/31/2024 13:12:57] 2D Time Stage = 0

[5/31/2024 13:12:57] 2D Pond Ghost = 0

[5/31/2024 13:12:58] 2D Chan Ghost = 0

[5/31/2024 13:12:58] 1D/2D Node Interfaces = 0

[5/31/2024 13:12:58] 1D/2D Injection Wells = 0

[5/31/2024 13:12:58] Total Link = 86

[5/31/2024 13:12:58] 1D Pipe = 27

[5/31/2024 13:12:58] 1D Drop Structure = 1

[5/31/2024 13:12:58] 1D French Drain = 0

[5/31/2024 13:12:58] 1D Channel = 2

[5/31/2024 13:12:58] 2D Channel = 0

[5/31/2024 13:12:58] 1D Weir = 54

[5/31/2024 13:12:58] 1D Drop Weir = 2

[5/31/2024 13:12:58] 2D Weir = 0

[5/31/2024 13:12:58] 1D Rating Curve = 0

[5/31/2024 13:12:58] 1D Percolation = 0

[5/31/2024 13:12:58] Cross Section = 36

[5/31/2024 13:12:58] Operating Table = 0

[5/31/2024 13:12:58]

[5/31/2024 13:12:59] --- Groundwater Counts ---------------------------------------------

[5/31/2024 13:12:59] Region = 0

[5/31/2024 13:12:59] Triangle = 0

[5/31/2024 13:12:59] Vertex = 0

[5/31/2024 13:12:59] Midpoint = 0

[5/31/2024 13:12:59] --------------------------------------------------------------------

[5/31/2024 13:12:59]

[5/31/2024 13:12:59] Processing Initial Link Flows...

[5/31/2024 13:12:59] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 13:12:59] Node N-BTW-11 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:59] Node N-BTW-12 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:59] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:59] Node N-BTW-10 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:00] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:00] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:00] Node N-BTW-23 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:00] Node N-BTW-10B caused a revert (this will only be logged once per node)

[5/31/2024 13:13:02] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 13:13:02] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:02] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:02] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:02] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:03] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:03] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:03] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 13:13:03] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 13:14:12] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 13:14:12] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 13:14:13] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 13:14:58] Node N-BTW-01 caused a revert (this will only be logged once per node)

[5/31/2024 13:14:58] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 13:14:58] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 13:14:59] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 13:14:59] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 13:15:00] Node N-BTW-25B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:00] Node N-BTW-26B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:00] Node N-BTW-27B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:00] Node N-BTW-18B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:00] Node N-BTW-19B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:00] Node N-BTW-01B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:01] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 13:15:01] Node N-BTW-17B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:01] Node N-BTW-20B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:01] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 13:15:04] Node N-BTW-16B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:05] Node N-BTW-11B caused a revert (this will only be logged once per node)

[5/31/2024 13:15:08] Conduit Optimizer Total Count=21635087 of 25476948

[5/31/2024 13:15:08] PC busted 302 of 396318

[5/31/2024 13:15:08] Average Iterations was 1.296

[5/31/2024 13:15:08] Average dt was 0.45735 sec

[5/31/2024 13:15:08] Revert count=18461

[5/31/2024 13:15:08]

[5/31/2024 13:15:08] ---- Timers -----------------------------

[5/31/2024 13:15:08] Total Time=128.792 sec

[5/31/2024 13:15:08] Basin Time=0.013 sec

[5/31/2024 13:15:08] BasinPoly Time=0.006 sec

[5/31/2024 13:15:08] Node Time=6.207 sec

[5/31/2024 13:15:08] Link Time=112.664 sec

[5/31/2024 13:15:08] Hydrology Output Time=2.732 sec

[5/31/2024 13:15:08] Groundwater Output Time=0.001 sec

[5/31/2024 13:15:08] Routing Output Time=2.988 sec

[5/31/2024 13:15:08] --- Thread Timers --------------------

[5/31/2024 13:15:08] Thread[0] Basin Time=0.005 sec

[5/31/2024 13:15:08] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 13:15:08] Thread[0] Node Time=0.516 sec

[5/31/2024 13:15:08] Thread[0] Link Time=44.710 sec

[5/31/2024 13:15:08] --- Thread Timers --------------------

[5/31/2024 13:15:08] Thread[1] Basin Time=0.006 sec

[5/31/2024 13:15:08] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 13:15:08] Thread[1] Node Time=0.751 sec

[5/31/2024 13:15:08] Thread[1] Link Time=56.144 sec

[5/31/2024 13:15:09] --- Thread Timers --------------------

[5/31/2024 13:15:09] Thread[2] Basin Time=0.008 sec

[5/31/2024 13:15:09] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 13:15:09] Thread[2] Node Time=0.617 sec

[5/31/2024 13:15:09] Thread[2] Link Time=54.535 sec

[5/31/2024 13:15:09] --- Thread Timers --------------------

[5/31/2024 13:15:09] Thread[3] Basin Time=0.006 sec

[5/31/2024 13:15:09] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 13:15:09] Thread[3] Node Time=0.657 sec

[5/31/2024 13:15:09] Thread[3] Link Time=52.485 sec

[5/31/2024 13:15:09] --- Thread Timers --------------------

[5/31/2024 13:15:09] Thread[4] Basin Time=0.010 sec

[5/31/2024 13:15:09] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 13:15:09] Thread[4] Node Time=0.601 sec

[5/31/2024 13:15:09] Thread[4] Link Time=64.642 sec

[5/31/2024 13:15:09] --- Thread Timers --------------------

[5/31/2024 13:15:09] Thread[5] Basin Time=0.007 sec

[5/31/2024 13:15:10] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 13:15:10] Thread[5] Node Time=0.653 sec

[5/31/2024 13:15:10] Thread[5] Link Time=2.412 sec

[5/31/2024 13:15:10] --- Thread Timers --------------------

[5/31/2024 13:15:10] Thread[6] Basin Time=0.006 sec

[5/31/2024 13:15:10] Thread[6] BasinPoly Time=0.002 sec

[5/31/2024 13:15:10] Thread[6] Node Time=0.655 sec

[5/31/2024 13:15:10] Thread[6] Link Time=5.263 sec

[5/31/2024 13:15:10] --- Thread Timers --------------------

[5/31/2024 13:15:10] Thread[7] Basin Time=0.007 sec

[5/31/2024 13:15:11] Thread[7] BasinPoly Time=0.002 sec

[5/31/2024 13:15:11] Thread[7] Node Time=1.377 sec

[5/31/2024 13:15:11] Thread[7] Link Time=64.612 sec

[5/31/2024 13:15:11] --- Thread Timers --------------------

[5/31/2024 13:15:11] Thread[8] Basin Time=0.006 sec

[5/31/2024 13:15:11] Thread[8] BasinPoly Time=0.001 sec

[5/31/2024 13:15:11] Thread[8] Node Time=0.565 sec

[5/31/2024 13:15:11] Thread[8] Link Time=21.169 sec

[5/31/2024 13:15:11] --- Thread Timers --------------------

[5/31/2024 13:15:11] Thread[9] Basin Time=0.003 sec

[5/31/2024 13:15:11] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 13:15:11] Thread[9] Node Time=0.564 sec

[5/31/2024 13:15:11] Thread[9] Link Time=14.592 sec

[5/31/2024 13:15:11] --- Thread Timers --------------------

[5/31/2024 13:15:11] Thread[10] Basin Time=0.003 sec

[5/31/2024 13:15:12] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 13:15:12] Thread[10] Node Time=0.566 sec

[5/31/2024 13:15:12] Thread[10] Link Time=59.633 sec

[5/31/2024 13:15:12] --- Thread Timers --------------------

[5/31/2024 13:15:12] Thread[11] Basin Time=0.004 sec

[5/31/2024 13:15:12] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 13:15:12] Thread[11] Node Time=0.708 sec

[5/31/2024 13:15:12] Thread[11] Link Time=1.849 sec

[5/31/2024 13:15:12] --- Thread Timers --------------------

[5/31/2024 13:15:12] Thread[12] Basin Time=0.004 sec

[5/31/2024 13:15:12] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 13:15:13] Thread[12] Node Time=0.601 sec

[5/31/2024 13:15:13] Thread[12] Link Time=30.916 sec

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

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

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

[5/31/2024 13:15:13] Thread[13] Node Time=0.521 sec

[5/31/2024 13:15:13] Thread[13] Link Time=3.799 sec

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

[5/31/2024 13:15:13] Thread[14] Basin Time=0.003 sec

[5/31/2024 13:15:13] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 13:15:13] Thread[14] Node Time=0.564 sec

[5/31/2024 13:15:13] Thread[14] Link Time=3.630 sec

[5/31/2024 13:15:14] --- Thread Timers --------------------

[5/31/2024 13:15:14] Thread[15] Basin Time=0.003 sec

[5/31/2024 13:15:14] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 13:15:14] Thread[15] Node Time=0.489 sec

[5/31/2024 13:15:14] Thread[15] Link Time=5.021 sec

[5/31/2024 13:15:14] --- Thread Timers --------------------

[5/31/2024 13:15:14] Thread[16] Basin Time=0.003 sec

[5/31/2024 13:15:14] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 13:15:14] Thread[16] Node Time=0.773 sec

[5/31/2024 13:15:14] Thread[16] Link Time=5.747 sec

[5/31/2024 13:15:14] --- Thread Timers --------------------

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

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

[5/31/2024 13:15:15] Thread[17] Node Time=0.373 sec

[5/31/2024 13:15:15] Thread[17] Link Time=6.229 sec

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

[5/31/2024 13:15:15] Thread[18] Basin Time=0.003 sec

[5/31/2024 13:15:15] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 13:15:15] Thread[18] Node Time=0.607 sec

[5/31/2024 13:15:15] Thread[18] Link Time=14.768 sec