[5/31/2024 13:04:15]

threads=-1

batch=15 of 24

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

nextsim=C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si34\

[5/31/2024 13:04:15] C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si20\echo.i4p

[5/31/2024 13:04:15] Reading Simulation

[5/31/2024 13:04:15] Simulation=10YR24HR

[5/31/2024 13:04:15] RunMode=0

[5/31/2024 13:04:15] HotStart=0

[5/31/2024 13:04:15] SaveRestart=0

[5/31/2024 13:04:15] StartYear=0

[5/31/2024 13:04:15] StartMonth=0

[5/31/2024 13:04:15] StartDay=0

[5/31/2024 13:04:15] StartHour=0.000

[5/31/2024 13:04:15] EndYear=0

[5/31/2024 13:04:16] EndMonth=0

[5/31/2024 13:04:16] EndDay=0

[5/31/2024 13:04:16] EndHour=48.000

[5/31/2024 13:04:16] HotstartYear=0

[5/31/2024 13:04:16] HotstartMonth=0

[5/31/2024 13:04:16] HotstartDay=0

[5/31/2024 13:04:16] HotstartHour=0.000

[5/31/2024 13:04:16] MinCalc\_Hydrology=60.000

[5/31/2024 13:04:16] MinCalc\_Hydraulics=0.100

[5/31/2024 13:04:16] MaxCalc\_Hydraulics=30.000

[5/31/2024 13:04:16] MinCalc\_Groundwater=900.000

[5/31/2024 13:04:16] RainfallSet=

[5/31/2024 13:04:16] RefETSet=

[5/31/2024 13:04:16] UnitHydSet=

[5/31/2024 13:04:16] BndStageSet=25YR24HR-MHHWL

[5/31/2024 13:04:16] ExHydSet=

[5/31/2024 13:04:16] CurveNumSet=

[5/31/2024 13:04:16] GreenAmptSet=

[5/31/2024 13:04:16] VertLayerSet=

[5/31/2024 13:04:16] ImpervSet=

[5/31/2024 13:04:16] RoughnessSet=

[5/31/2024 13:04:16] CropCoefSet=

[5/31/2024 13:04:16] PorosSet=

[5/31/2024 13:04:16] ConductSet=

[5/31/2024 13:04:16] LeakageSet=

[5/31/2024 13:04:16] TimeMarching=0

[5/31/2024 13:04:16] MaxIterations=6

[5/31/2024 13:04:16] OverRelaxWeightFactor=0.500

[5/31/2024 13:04:16] dZTolerance=0.001

[5/31/2024 13:04:16] MaxdZ=1.500

[5/31/2024 13:04:16] LinkOptTol=0.000

[5/31/2024 13:04:16] EdgeLengthOpt=0

[5/31/2024 13:04:16] EdgeLengthFactor=0.667

[5/31/2024 13:04:16] DefaultDampThresh2d=0.005

[5/31/2024 13:04:16] MinSurfArea2d=100.000

[5/31/2024 13:04:16] EnergySwitch2d=1

[5/31/2024 13:04:16] IaTime=24.000

[5/31/2024 13:04:16] IncludeETManBasns=0

[5/31/2024 13:04:16] VertLayerSoln=0

[5/31/2024 13:04:16] RainOptManBasns=1

[5/31/2024 13:04:16] RainOptOF=1

[5/31/2024 13:04:16] RainName=~FLMOD

[5/31/2024 13:04:16] RainAmount=7.060

[5/31/2024 13:04:16] StormDur=24.000

[5/31/2024 13:04:16] DefaultDampThresh1D=0.005

[5/31/2024 13:04:16] MinNodeSurfArea1D=100.000

[5/31/2024 13:04:16] EnergySwitch1D=1

[5/31/2024 13:04:16] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 13:04:16] 19 threads [20 cores detected]

[5/31/2024 13:04:16] SolutionMethod=SAOR

[5/31/2024 13:04:16] No \_ET.TXT

[5/31/2024 13:04:16] No \_EV.TXT

[5/31/2024 13:04:17] Reading Operating Tables

[5/31/2024 13:04:17] Reading Cross Sections

[5/31/2024 13:04:17] Reading 1D Nodes

[5/31/2024 13:04:17] Reading Overland Flow Nodes

[5/31/2024 13:04:17] Reading 1D Channels

[5/31/2024 13:04:17] Setting up channel ghost nodes

[5/31/2024 13:04:18] Reading Pipes

[5/31/2024 13:04:18] Reading Rating Curves

[5/31/2024 13:04:19] Reading Weirs

[5/31/2024 13:04:19] Reading Drop Structures

[5/31/2024 13:04:19] Reading Breaches

[5/31/2024 13:04:19] Reading Percs

[5/31/2024 13:04:19] Reading Overland Flow Channels

[5/31/2024 13:04:19] Reading Overland Flow Weirs

[5/31/2024 13:04:19] Setting up ghost nodes

[5/31/2024 13:04:19] Reading Manual Basins

[5/31/2024 13:04:20] Reading Overland Flow Basins

[5/31/2024 13:04:20] Sorting basins

[5/31/2024 13:04:20] Reading Basin Features

[5/31/2024 13:04:20] Reading Groundwater

[5/31/2024 13:04:20] Initializing threads

[5/31/2024 13:04:20] Build Complete

[5/31/2024 13:04:20] Total basin area=47.340

[5/31/2024 13:04:20] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 13:04:20]

[5/31/2024 13:04:20] --- Hydrology Counts -----------------------------------------------

[5/31/2024 13:04:20] Total Basin = 28

[5/31/2024 13:04:20] Direct Basin = 0

[5/31/2024 13:04:20] Manual NRCS Basin = 0

[5/31/2024 13:04:20] Manual SB Basin = 0

[5/31/2024 13:04:20] Mapped NRCS Basin = 0

[5/31/2024 13:04:20] Mapped SB Basin = 0

[5/31/2024 13:04:20] Simple NRCS Basin = 28

[5/31/2024 13:04:20] Simple SB Basin = 0

[5/31/2024 13:04:20] Total Basin Polygon = 28

[5/31/2024 13:04:20] Manual Basin Polygon = 0

[5/31/2024 13:04:21] Mapped Basin Polygon = 0

[5/31/2024 13:04:21] 2D Basin Polygon = 0

[5/31/2024 13:04:21] Crop = 0

[5/31/2024 13:04:21] Reference ET = 0

[5/31/2024 13:04:21] Rainfall = 1

[5/31/2024 13:04:21] Green Ampt Parameter = 0

[5/31/2024 13:04:21] Vert Layer Parameter = 0

[5/31/2024 13:04:21] Curve Number Parameter = 29

[5/31/2024 13:04:21] Imperviousness = 29

[5/31/2024 13:04:21]

[5/31/2024 13:04:21] --- Routing Counts -------------------------------------------------

[5/31/2024 13:04:21] Region = 0

[5/31/2024 13:04:21] Total Node = 55

[5/31/2024 13:04:21] 1D Stage Area = 52

[5/31/2024 13:04:21] 1D Time Stage = 3

[5/31/2024 13:04:21] 1D Drop Nodes = 0

[5/31/2024 13:04:21] 2D Stage Area = 0

[5/31/2024 13:04:21] 2D Time Stage = 0

[5/31/2024 13:04:22] 2D Pond Ghost = 0

[5/31/2024 13:04:22] 2D Chan Ghost = 0

[5/31/2024 13:04:22] 1D/2D Node Interfaces = 0

[5/31/2024 13:04:22] 1D/2D Injection Wells = 0

[5/31/2024 13:04:22] Total Link = 86

[5/31/2024 13:04:22] 1D Pipe = 27

[5/31/2024 13:04:22] 1D Drop Structure = 1

[5/31/2024 13:04:22] 1D French Drain = 0

[5/31/2024 13:04:22] 1D Channel = 2

[5/31/2024 13:04:22] 2D Channel = 0

[5/31/2024 13:04:22] 1D Weir = 54

[5/31/2024 13:04:22] 1D Drop Weir = 2

[5/31/2024 13:04:22] 2D Weir = 0

[5/31/2024 13:04:22] 1D Rating Curve = 0

[5/31/2024 13:04:22] 1D Percolation = 0

[5/31/2024 13:04:22] Cross Section = 36

[5/31/2024 13:04:22] Operating Table = 0

[5/31/2024 13:04:22]

[5/31/2024 13:04:22] --- Groundwater Counts ---------------------------------------------

[5/31/2024 13:04:23] Region = 0

[5/31/2024 13:04:23] Triangle = 0

[5/31/2024 13:04:23] Vertex = 0

[5/31/2024 13:04:23] Midpoint = 0

[5/31/2024 13:04:23] --------------------------------------------------------------------

[5/31/2024 13:04:23]

[5/31/2024 13:04:23] Processing Initial Link Flows...

[5/31/2024 13:04:23] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 13:04:23] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:23] Node N-BTW-01 caused a revert (this will only be logged once per node)

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

[5/31/2024 13:04:23] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:23] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:24] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:25] Node N-BTW-23 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:25] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:25] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:25] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 13:04:57] Node N-BTW-07B caused a revert (this will only be logged once per node)

[5/31/2024 13:05:08] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 13:05:08] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 13:05:10] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 13:05:13] Node N-BTW-09B caused a revert (this will only be logged once per node)

[5/31/2024 13:05:13] Node N-BTW-08B caused a revert (this will only be logged once per node)

[5/31/2024 13:05:14] Node N-BTW-08 caused a revert (this will only be logged once per node)

[5/31/2024 13:05:14] Node N-BTW-09 caused a revert (this will only be logged once per node)

[5/31/2024 13:05:53] Conduit Optimizer Total Count=13750991 of 16819824

[5/31/2024 13:05:53] PC busted 135 of 280437

[5/31/2024 13:05:53] Average Iterations was 1.142

[5/31/2024 13:05:53] Average dt was 0.64694 sec

[5/31/2024 13:05:53] Revert count=13305

[5/31/2024 13:05:53]

[5/31/2024 13:05:53] ---- Timers -----------------------------

[5/31/2024 13:05:53] Total Time=90.024 sec

[5/31/2024 13:05:53] Basin Time=0.014 sec

[5/31/2024 13:05:53] BasinPoly Time=0.007 sec

[5/31/2024 13:05:53] Node Time=4.352 sec

[5/31/2024 13:05:53] Link Time=78.454 sec

[5/31/2024 13:05:53] Hydrology Output Time=2.117 sec

[5/31/2024 13:05:53] Groundwater Output Time=0.001 sec

[5/31/2024 13:05:53] Routing Output Time=2.580 sec

[5/31/2024 13:05:53] --- Thread Timers --------------------

[5/31/2024 13:05:53] Thread[0] Basin Time=0.005 sec

[5/31/2024 13:05:53] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 13:05:53] Thread[0] Node Time=0.371 sec

[5/31/2024 13:05:53] Thread[0] Link Time=37.231 sec

[5/31/2024 13:05:54] --- Thread Timers --------------------

[5/31/2024 13:05:54] Thread[1] Basin Time=0.006 sec

[5/31/2024 13:05:54] Thread[1] BasinPoly Time=0.001 sec

[5/31/2024 13:05:54] Thread[1] Node Time=0.406 sec

[5/31/2024 13:05:54] Thread[1] Link Time=41.982 sec

[5/31/2024 13:05:54] --- Thread Timers --------------------

[5/31/2024 13:05:54] Thread[2] Basin Time=0.008 sec

[5/31/2024 13:05:54] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 13:05:54] Thread[2] Node Time=0.436 sec

[5/31/2024 13:05:54] Thread[2] Link Time=43.879 sec

[5/31/2024 13:05:54] --- Thread Timers --------------------

[5/31/2024 13:05:54] Thread[3] Basin Time=0.006 sec

[5/31/2024 13:05:54] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 13:05:54] Thread[3] Node Time=0.415 sec

[5/31/2024 13:05:54] Thread[3] Link Time=43.587 sec

[5/31/2024 13:05:54] --- Thread Timers --------------------

[5/31/2024 13:05:54] Thread[4] Basin Time=0.010 sec

[5/31/2024 13:05:54] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 13:05:55] Thread[4] Node Time=0.439 sec

[5/31/2024 13:05:55] Thread[4] Link Time=53.467 sec

[5/31/2024 13:05:56] --- Thread Timers --------------------

[5/31/2024 13:05:56] Thread[5] Basin Time=0.006 sec

[5/31/2024 13:05:56] Thread[5] BasinPoly Time=0.001 sec

[5/31/2024 13:05:56] Thread[5] Node Time=0.423 sec

[5/31/2024 13:05:56] Thread[5] Link Time=10.212 sec

[5/31/2024 13:05:56] --- Thread Timers --------------------

[5/31/2024 13:05:56] Thread[6] Basin Time=0.006 sec

[5/31/2024 13:05:56] Thread[6] BasinPoly Time=0.001 sec

[5/31/2024 13:05:56] Thread[6] Node Time=0.450 sec

[5/31/2024 13:05:56] Thread[6] Link Time=5.284 sec

[5/31/2024 13:05:56] --- Thread Timers --------------------

[5/31/2024 13:05:56] Thread[7] Basin Time=0.006 sec

[5/31/2024 13:05:57] Thread[7] BasinPoly Time=0.001 sec

[5/31/2024 13:05:57] Thread[7] Node Time=0.425 sec

[5/31/2024 13:05:57] Thread[7] Link Time=41.787 sec

[5/31/2024 13:05:57] --- Thread Timers --------------------

[5/31/2024 13:05:57] Thread[8] Basin Time=0.006 sec

[5/31/2024 13:05:57] Thread[8] BasinPoly Time=0.001 sec

[5/31/2024 13:05:57] Thread[8] Node Time=0.369 sec

[5/31/2024 13:05:57] Thread[8] Link Time=15.410 sec

[5/31/2024 13:05:57] --- Thread Timers --------------------

[5/31/2024 13:05:57] Thread[9] Basin Time=0.003 sec

[5/31/2024 13:05:57] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 13:05:57] Thread[9] Node Time=0.384 sec

[5/31/2024 13:05:57] Thread[9] Link Time=14.287 sec

[5/31/2024 13:05:58] --- Thread Timers --------------------

[5/31/2024 13:05:58] Thread[10] Basin Time=0.003 sec

[5/31/2024 13:05:58] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 13:05:58] Thread[10] Node Time=0.376 sec

[5/31/2024 13:05:58] Thread[10] Link Time=38.407 sec

[5/31/2024 13:05:58] --- Thread Timers --------------------

[5/31/2024 13:05:58] Thread[11] Basin Time=0.003 sec

[5/31/2024 13:05:58] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 13:05:58] Thread[11] Node Time=0.360 sec

[5/31/2024 13:05:58] Thread[11] Link Time=4.664 sec

[5/31/2024 13:05:58] --- Thread Timers --------------------

[5/31/2024 13:05:58] Thread[12] Basin Time=0.004 sec

[5/31/2024 13:05:58] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 13:05:58] Thread[12] Node Time=0.416 sec

[5/31/2024 13:05:59] Thread[12] Link Time=2.258 sec

[5/31/2024 13:05:59] --- Thread Timers --------------------

[5/31/2024 13:05:59] Thread[13] Basin Time=0.004 sec

[5/31/2024 13:05:59] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 13:05:59] Thread[13] Node Time=0.381 sec

[5/31/2024 13:05:59] Thread[13] Link Time=4.951 sec

[5/31/2024 13:05:59] --- Thread Timers --------------------

[5/31/2024 13:05:59] Thread[14] Basin Time=0.003 sec

[5/31/2024 13:05:59] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 13:06:00] Thread[14] Node Time=0.394 sec

[5/31/2024 13:06:00] Thread[14] Link Time=4.049 sec

[5/31/2024 13:06:00] --- Thread Timers --------------------

[5/31/2024 13:06:00] Thread[15] Basin Time=0.003 sec

[5/31/2024 13:06:00] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 13:06:00] Thread[15] Node Time=0.336 sec

[5/31/2024 13:06:00] Thread[15] Link Time=6.529 sec

[5/31/2024 13:06:00] --- Thread Timers --------------------

[5/31/2024 13:06:00] Thread[16] Basin Time=0.003 sec

[5/31/2024 13:06:00] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 13:06:00] Thread[16] Node Time=0.345 sec

[5/31/2024 13:06:00] Thread[16] Link Time=6.313 sec

[5/31/2024 13:06:01] --- Thread Timers --------------------

[5/31/2024 13:06:01] Thread[17] Basin Time=0.003 sec

[5/31/2024 13:06:01] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 13:06:01] Thread[17] Node Time=0.269 sec

[5/31/2024 13:06:01] Thread[17] Link Time=2.047 sec

[5/31/2024 13:06:01] --- Thread Timers --------------------

[5/31/2024 13:06:01] Thread[18] Basin Time=0.003 sec

[5/31/2024 13:06:01] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 13:06:01] Thread[18] Node Time=0.295 sec

[5/31/2024 13:06:01] Thread[18] Link Time=24.194 sec