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

threads=-1

batch=21 of 24

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

nextsim=C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si37\

[5/31/2024 13:15:08] C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si24\echo.i4p

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

[5/31/2024 13:15:08] Simulation=50YR24HR

[5/31/2024 13:15:08] RunMode=0

[5/31/2024 13:15:08] HotStart=0

[5/31/2024 13:15:08] SaveRestart=0

[5/31/2024 13:15:08] StartYear=0

[5/31/2024 13:15:08] StartMonth=0

[5/31/2024 13:15:08] StartDay=0

[5/31/2024 13:15:08] StartHour=0.000

[5/31/2024 13:15:08] EndYear=0

[5/31/2024 13:15:08] EndMonth=0

[5/31/2024 13:15:08] EndDay=0

[5/31/2024 13:15:08] EndHour=48.000

[5/31/2024 13:15:08] HotstartYear=0

[5/31/2024 13:15:08] HotstartMonth=0

[5/31/2024 13:15:08] HotstartDay=0

[5/31/2024 13:15:08] HotstartHour=0.000

[5/31/2024 13:15:08] MinCalc\_Hydrology=60.000

[5/31/2024 13:15:08] MinCalc\_Hydraulics=0.100

[5/31/2024 13:15:08] MaxCalc\_Hydraulics=30.000

[5/31/2024 13:15:08] MinCalc\_Groundwater=900.000

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

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

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

[5/31/2024 13:15:08] BndStageSet=25YR24HR-MHHWL

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

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

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

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

[5/31/2024 13:15:09] ImpervSet=

[5/31/2024 13:15:09] RoughnessSet=

[5/31/2024 13:15:09] CropCoefSet=

[5/31/2024 13:15:09] PorosSet=

[5/31/2024 13:15:09] ConductSet=

[5/31/2024 13:15:09] LeakageSet=

[5/31/2024 13:15:09] TimeMarching=0

[5/31/2024 13:15:09] MaxIterations=6

[5/31/2024 13:15:09] OverRelaxWeightFactor=0.500

[5/31/2024 13:15:09] dZTolerance=0.001

[5/31/2024 13:15:09] MaxdZ=1.500

[5/31/2024 13:15:09] LinkOptTol=0.000

[5/31/2024 13:15:09] EdgeLengthOpt=0

[5/31/2024 13:15:09] EdgeLengthFactor=0.667

[5/31/2024 13:15:09] DefaultDampThresh2d=0.005

[5/31/2024 13:15:09] MinSurfArea2d=100.000

[5/31/2024 13:15:09] EnergySwitch2d=1

[5/31/2024 13:15:09] IaTime=24.000

[5/31/2024 13:15:09] IncludeETManBasns=0

[5/31/2024 13:15:09] VertLayerSoln=0

[5/31/2024 13:15:09] RainOptManBasns=1

[5/31/2024 13:15:09] RainOptOF=1

[5/31/2024 13:15:09] RainName=~FLMOD

[5/31/2024 13:15:09] RainAmount=10.500

[5/31/2024 13:15:09] StormDur=24.000

[5/31/2024 13:15:09] DefaultDampThresh1D=0.005

[5/31/2024 13:15:09] MinNodeSurfArea1D=100.000

[5/31/2024 13:15:09] EnergySwitch1D=1

[5/31/2024 13:15:09] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 13:15:09] 19 threads [20 cores detected]

[5/31/2024 13:15:09] SolutionMethod=SAOR

[5/31/2024 13:15:10] No \_ET.TXT

[5/31/2024 13:15:10] No \_EV.TXT

[5/31/2024 13:15:10] Reading Operating Tables

[5/31/2024 13:15:10] Reading Cross Sections

[5/31/2024 13:15:10] Reading 1D Nodes

[5/31/2024 13:15:10] Reading Overland Flow Nodes

[5/31/2024 13:15:10] Reading 1D Channels

[5/31/2024 13:15:10] Setting up channel ghost nodes

[5/31/2024 13:15:10] Reading Pipes

[5/31/2024 13:15:10] Reading Rating Curves

[5/31/2024 13:15:10] Reading Weirs

[5/31/2024 13:15:10] Reading Drop Structures

[5/31/2024 13:15:10] Reading Breaches

[5/31/2024 13:15:11] Reading Percs

[5/31/2024 13:15:11] Reading Overland Flow Channels

[5/31/2024 13:15:11] Reading Overland Flow Weirs

[5/31/2024 13:15:11] Setting up ghost nodes

[5/31/2024 13:15:11] Reading Manual Basins

[5/31/2024 13:15:11] Reading Overland Flow Basins

[5/31/2024 13:15:11] Sorting basins

[5/31/2024 13:15:11] Reading Basin Features

[5/31/2024 13:15:11] Reading Groundwater

[5/31/2024 13:15:11] Initializing threads

[5/31/2024 13:15:11] Build Complete

[5/31/2024 13:15:11] Total basin area=47.340

[5/31/2024 13:15:11] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 13:15:11]

[5/31/2024 13:15:11] --- Hydrology Counts -----------------------------------------------

[5/31/2024 13:15:11] Total Basin = 28

[5/31/2024 13:15:11] Direct Basin = 0

[5/31/2024 13:15:11] Manual NRCS Basin = 0

[5/31/2024 13:15:11] Manual SB Basin = 0

[5/31/2024 13:15:11] Mapped NRCS Basin = 0

[5/31/2024 13:15:11] Mapped SB Basin = 0

[5/31/2024 13:15:11] Simple NRCS Basin = 28

[5/31/2024 13:15:12] Simple SB Basin = 0

[5/31/2024 13:15:12] Total Basin Polygon = 28

[5/31/2024 13:15:12] Manual Basin Polygon = 0

[5/31/2024 13:15:12] Mapped Basin Polygon = 0

[5/31/2024 13:15:12] 2D Basin Polygon = 0

[5/31/2024 13:15:12] Crop = 0

[5/31/2024 13:15:12] Reference ET = 0

[5/31/2024 13:15:12] Rainfall = 1

[5/31/2024 13:15:12] Green Ampt Parameter = 0

[5/31/2024 13:15:12] Vert Layer Parameter = 0

[5/31/2024 13:15:12] Curve Number Parameter = 29

[5/31/2024 13:15:12] Imperviousness = 29

[5/31/2024 13:15:12]

[5/31/2024 13:15:12] --- Routing Counts -------------------------------------------------

[5/31/2024 13:15:12] Region = 0

[5/31/2024 13:15:12] Total Node = 55

[5/31/2024 13:15:12] 1D Stage Area = 52

[5/31/2024 13:15:13] 1D Time Stage = 3

[5/31/2024 13:15:13] 1D Drop Nodes = 0

[5/31/2024 13:15:13] 2D Stage Area = 0

[5/31/2024 13:15:13] 2D Time Stage = 0

[5/31/2024 13:15:13] 2D Pond Ghost = 0

[5/31/2024 13:15:13] 2D Chan Ghost = 0

[5/31/2024 13:15:13] 1D/2D Node Interfaces = 0

[5/31/2024 13:15:13] 1D/2D Injection Wells = 0

[5/31/2024 13:15:13] Total Link = 86

[5/31/2024 13:15:13] 1D Pipe = 27

[5/31/2024 13:15:13] 1D Drop Structure = 1

[5/31/2024 13:15:13] 1D French Drain = 0

[5/31/2024 13:15:13] 1D Channel = 2

[5/31/2024 13:15:13] 2D Channel = 0

[5/31/2024 13:15:13] 1D Weir = 54

[5/31/2024 13:15:13] 1D Drop Weir = 2

[5/31/2024 13:15:13] 2D Weir = 0

[5/31/2024 13:15:13] 1D Rating Curve = 0

[5/31/2024 13:15:13] 1D Percolation = 0

[5/31/2024 13:15:13] Cross Section = 36

[5/31/2024 13:15:14] Operating Table = 0

[5/31/2024 13:15:14]

[5/31/2024 13:15:14] --- Groundwater Counts ---------------------------------------------

[5/31/2024 13:15:14] Region = 0

[5/31/2024 13:15:14] Triangle = 0

[5/31/2024 13:15:14] Vertex = 0

[5/31/2024 13:15:14] Midpoint = 0

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

[5/31/2024 13:15:14]

[5/31/2024 13:15:14] Processing Initial Link Flows...

[5/31/2024 13:15:14] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 13:15:14] Node N-BTW-02 caused a revert (this will only be logged once per node)

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

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

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

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

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

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

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

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

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

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

[5/31/2024 13:15:15] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 13:15:16] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 13:15:16] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 13:15:16] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 13:15:16] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 13:15:16] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 13:16:20] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 13:16:20] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 13:16:22] Node N-BTW-07B caused a revert (this will only be logged once per node)

[5/31/2024 13:16:27] Node N-BTW-01B caused a revert (this will only be logged once per node)

[5/31/2024 13:16:30] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 13:17:03] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 13:17:05] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 13:17:07] Conduit Optimizer Total Count=16752022 of 20631016

[5/31/2024 13:17:07] PC busted 169 of 338874

[5/31/2024 13:17:07] Average Iterations was 1.174

[5/31/2024 13:17:07] Average dt was 0.53577 sec

[5/31/2024 13:17:07] Revert count=16345

[5/31/2024 13:17:07]

[5/31/2024 13:17:07] ---- Timers -----------------------------

[5/31/2024 13:17:08] Total Time=113.048 sec

[5/31/2024 13:17:08] Basin Time=0.013 sec

[5/31/2024 13:17:08] BasinPoly Time=0.019 sec

[5/31/2024 13:17:08] Node Time=3.360 sec

[5/31/2024 13:17:08] Link Time=101.862 sec

[5/31/2024 13:17:08] Hydrology Output Time=1.659 sec

[5/31/2024 13:17:08] Groundwater Output Time=0.001 sec

[5/31/2024 13:17:08] Routing Output Time=3.206 sec

[5/31/2024 13:17:08] --- Thread Timers --------------------

[5/31/2024 13:17:08] Thread[0] Basin Time=0.005 sec

[5/31/2024 13:17:08] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 13:17:08] Thread[0] Node Time=0.421 sec

[5/31/2024 13:17:08] Thread[0] Link Time=46.763 sec

[5/31/2024 13:17:08] --- Thread Timers --------------------

[5/31/2024 13:17:08] Thread[1] Basin Time=0.006 sec

[5/31/2024 13:17:08] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 13:17:08] Thread[1] Node Time=0.491 sec

[5/31/2024 13:17:08] Thread[1] Link Time=53.776 sec

[5/31/2024 13:17:08] --- Thread Timers --------------------

[5/31/2024 13:17:08] Thread[2] Basin Time=0.008 sec

[5/31/2024 13:17:08] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 13:17:08] Thread[2] Node Time=0.502 sec

[5/31/2024 13:17:08] Thread[2] Link Time=55.582 sec

[5/31/2024 13:17:08] --- Thread Timers --------------------

[5/31/2024 13:17:08] Thread[3] Basin Time=0.006 sec

[5/31/2024 13:17:08] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 13:17:08] Thread[3] Node Time=0.505 sec

[5/31/2024 13:17:08] Thread[3] Link Time=55.606 sec

[5/31/2024 13:17:08] --- Thread Timers --------------------

[5/31/2024 13:17:08] Thread[4] Basin Time=0.010 sec

[5/31/2024 13:17:08] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 13:17:09] Thread[4] Node Time=0.464 sec

[5/31/2024 13:17:09] Thread[4] Link Time=73.290 sec

[5/31/2024 13:17:09] --- Thread Timers --------------------

[5/31/2024 13:17:09] Thread[5] Basin Time=0.006 sec

[5/31/2024 13:17:09] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 13:17:09] Thread[5] Node Time=0.506 sec

[5/31/2024 13:17:09] Thread[5] Link Time=10.686 sec

[5/31/2024 13:17:09] --- Thread Timers --------------------

[5/31/2024 13:17:09] Thread[6] Basin Time=0.006 sec

[5/31/2024 13:17:09] Thread[6] BasinPoly Time=0.002 sec

[5/31/2024 13:17:09] Thread[6] Node Time=0.524 sec

[5/31/2024 13:17:09] Thread[6] Link Time=5.115 sec

[5/31/2024 13:17:09] --- Thread Timers --------------------

[5/31/2024 13:17:09] Thread[7] Basin Time=0.007 sec

[5/31/2024 13:17:09] Thread[7] BasinPoly Time=0.002 sec

[5/31/2024 13:17:09] Thread[7] Node Time=0.518 sec

[5/31/2024 13:17:09] Thread[7] Link Time=56.568 sec

[5/31/2024 13:17:09] --- Thread Timers --------------------

[5/31/2024 13:17:09] Thread[8] Basin Time=0.006 sec

[5/31/2024 13:17:10] Thread[8] BasinPoly Time=0.001 sec

[5/31/2024 13:17:10] Thread[8] Node Time=0.446 sec

[5/31/2024 13:17:10] Thread[8] Link Time=18.301 sec

[5/31/2024 13:17:10] --- Thread Timers --------------------

[5/31/2024 13:17:10] Thread[9] Basin Time=0.003 sec

[5/31/2024 13:17:10] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 13:17:10] Thread[9] Node Time=0.476 sec

[5/31/2024 13:17:10] Thread[9] Link Time=17.312 sec

[5/31/2024 13:17:10] --- Thread Timers --------------------

[5/31/2024 13:17:10] Thread[10] Basin Time=0.003 sec

[5/31/2024 13:17:10] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 13:17:11] Thread[10] Node Time=0.468 sec

[5/31/2024 13:17:11] Thread[10] Link Time=49.647 sec

[5/31/2024 13:17:11] --- Thread Timers --------------------

[5/31/2024 13:17:11] Thread[11] Basin Time=0.003 sec

[5/31/2024 13:17:11] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 13:17:11] Thread[11] Node Time=0.488 sec

[5/31/2024 13:17:11] Thread[11] Link Time=4.428 sec

[5/31/2024 13:17:11] --- Thread Timers --------------------

[5/31/2024 13:17:11] Thread[12] Basin Time=0.004 sec

[5/31/2024 13:17:11] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 13:17:11] Thread[12] Node Time=0.488 sec

[5/31/2024 13:17:11] Thread[12] Link Time=2.924 sec

[5/31/2024 13:17:11] --- Thread Timers --------------------

[5/31/2024 13:17:11] Thread[13] Basin Time=0.003 sec

[5/31/2024 13:17:11] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 13:17:12] Thread[13] Node Time=0.446 sec

[5/31/2024 13:17:12] Thread[13] Link Time=5.045 sec

[5/31/2024 13:17:12] --- Thread Timers --------------------

[5/31/2024 13:17:12] Thread[14] Basin Time=0.004 sec

[5/31/2024 13:17:12] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 13:17:12] Thread[14] Node Time=0.476 sec

[5/31/2024 13:17:12] Thread[14] Link Time=5.635 sec

[5/31/2024 13:17:12] --- Thread Timers --------------------

[5/31/2024 13:17:12] Thread[15] Basin Time=0.003 sec

[5/31/2024 13:17:12] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 13:17:12] Thread[15] Node Time=0.399 sec

[5/31/2024 13:17:12] Thread[15] Link Time=7.389 sec

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

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

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

[5/31/2024 13:17:13] Thread[16] Node Time=0.409 sec

[5/31/2024 13:17:13] Thread[16] Link Time=7.755 sec

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

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

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

[5/31/2024 13:17:13] Thread[17] Node Time=0.320 sec

[5/31/2024 13:17:13] Thread[17] Link Time=3.352 sec

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

[5/31/2024 13:17:13] Thread[18] Basin Time=0.003 sec

[5/31/2024 13:17:14] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 13:17:14] Thread[18] Node Time=0.352 sec

[5/31/2024 13:17:14] Thread[18] Link Time=28.820 sec