[5/31/2024 12:43:43]

 threads=-1

 batch=7 of 24

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

 nextsim=C:\Work Space\buttonwood\Scenarios\Sc1\Simulations\Si31\

[5/31/2024 12:43:43] C:\Work Space\buttonwood\Scenarios\Sc1\Simulations\Si6\echo.i4p

[5/31/2024 12:43:43] Reading Simulation

[5/31/2024 12:43:43] Simulation=25YR24HR

[5/31/2024 12:43:43] RunMode=0

[5/31/2024 12:43:43] HotStart=0

[5/31/2024 12:43:43] SaveRestart=0

[5/31/2024 12:43:43] StartYear=0

[5/31/2024 12:43:43] StartMonth=0

[5/31/2024 12:43:43] StartDay=0

[5/31/2024 12:43:43] StartHour=0.000

[5/31/2024 12:43:43] EndYear=0

[5/31/2024 12:43:43] EndMonth=0

[5/31/2024 12:43:43] EndDay=0

[5/31/2024 12:43:43] EndHour=48.000

[5/31/2024 12:43:43] HotstartYear=0

[5/31/2024 12:43:43] HotstartMonth=0

[5/31/2024 12:43:43] HotstartDay=0

[5/31/2024 12:43:44] HotstartHour=0.000

[5/31/2024 12:43:44] MinCalc\_Hydrology=60.000

[5/31/2024 12:43:44] MinCalc\_Hydraulics=0.100

[5/31/2024 12:43:44] MaxCalc\_Hydraulics=30.000

[5/31/2024 12:43:44] MinCalc\_Groundwater=900.000

[5/31/2024 12:43:44] RainfallSet=

[5/31/2024 12:43:44] RefETSet=

[5/31/2024 12:43:44] UnitHydSet=

[5/31/2024 12:43:44] BndStageSet=25YR24HR-MHHWL

[5/31/2024 12:43:44] ExHydSet=

[5/31/2024 12:43:44] CurveNumSet=

[5/31/2024 12:43:44] GreenAmptSet=

[5/31/2024 12:43:44] VertLayerSet=

[5/31/2024 12:43:44] ImpervSet=

[5/31/2024 12:43:44] RoughnessSet=

[5/31/2024 12:43:44] CropCoefSet=

[5/31/2024 12:43:44] PorosSet=

[5/31/2024 12:43:44] ConductSet=

[5/31/2024 12:43:44] LeakageSet=

[5/31/2024 12:43:44] TimeMarching=0

[5/31/2024 12:43:44] MaxIterations=6

[5/31/2024 12:43:44] OverRelaxWeightFactor=0.500

[5/31/2024 12:43:44] dZTolerance=0.001

[5/31/2024 12:43:44] MaxdZ=1.500

[5/31/2024 12:43:44] LinkOptTol=0.000

[5/31/2024 12:43:44] EdgeLengthOpt=0

[5/31/2024 12:43:44] EdgeLengthFactor=0.667

[5/31/2024 12:43:44] DefaultDampThresh2d=0.005

[5/31/2024 12:43:44] MinSurfArea2d=100.000

[5/31/2024 12:43:44] EnergySwitch2d=1

[5/31/2024 12:43:44] IaTime=24.000

[5/31/2024 12:43:44] IncludeETManBasns=0

[5/31/2024 12:43:44] VertLayerSoln=0

[5/31/2024 12:43:44] RainOptManBasns=1

[5/31/2024 12:43:44] RainOptOF=1

[5/31/2024 12:43:44] RainName=~FLMOD

[5/31/2024 12:43:44] RainAmount=8.880

[5/31/2024 12:43:44] StormDur=24.000

[5/31/2024 12:43:44] DefaultDampThresh1D=0.005

[5/31/2024 12:43:44] MinNodeSurfArea1D=100.000

[5/31/2024 12:43:44] EnergySwitch1D=1

[5/31/2024 12:43:44] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 12:43:44] 19 threads [20 cores detected]

[5/31/2024 12:43:44] SolutionMethod=SAOR

[5/31/2024 12:43:44] No \_ET.TXT

[5/31/2024 12:43:44] No \_EV.TXT

[5/31/2024 12:43:45] Reading Operating Tables

[5/31/2024 12:43:45] Reading Cross Sections

[5/31/2024 12:43:45] Reading 1D Nodes

[5/31/2024 12:43:45] Reading Overland Flow Nodes

[5/31/2024 12:43:45] Reading 1D Channels

[5/31/2024 12:43:45] Setting up channel ghost nodes

[5/31/2024 12:43:45] Reading Pipes

[5/31/2024 12:43:45] Reading Rating Curves

[5/31/2024 12:43:45] Reading Weirs

[5/31/2024 12:43:45] Reading Drop Structures

[5/31/2024 12:43:45] Reading Breaches

[5/31/2024 12:43:45] Reading Percs

[5/31/2024 12:43:45] Reading Overland Flow Channels

[5/31/2024 12:43:45] Reading Overland Flow Weirs

[5/31/2024 12:43:45] Setting up ghost nodes

[5/31/2024 12:43:45] Reading Manual Basins

[5/31/2024 12:43:45] Reading Overland Flow Basins

[5/31/2024 12:43:46] Sorting basins

[5/31/2024 12:43:46] Reading Basin Features

[5/31/2024 12:43:46] Reading Groundwater

[5/31/2024 12:43:46] Initializing threads

[5/31/2024 12:43:46] Build Complete

[5/31/2024 12:43:46] Total basin area=47.340

[5/31/2024 12:43:46] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 12:43:46]

[5/31/2024 12:43:46] --- Hydrology Counts -----------------------------------------------

[5/31/2024 12:43:46] Total Basin = 28

[5/31/2024 12:43:46] Direct Basin = 0

[5/31/2024 12:43:46] Manual NRCS Basin = 0

[5/31/2024 12:43:46] Manual SB Basin = 0

[5/31/2024 12:43:46] Mapped NRCS Basin = 0

[5/31/2024 12:43:46] Mapped SB Basin = 0

[5/31/2024 12:43:46] Simple NRCS Basin = 28

[5/31/2024 12:43:46] Simple SB Basin = 0

[5/31/2024 12:43:46] Total Basin Polygon = 28

[5/31/2024 12:43:47] Manual Basin Polygon = 0

[5/31/2024 12:43:47] Mapped Basin Polygon = 0

[5/31/2024 12:43:47] 2D Basin Polygon = 0

[5/31/2024 12:43:47] Crop = 0

[5/31/2024 12:43:47] Reference ET = 0

[5/31/2024 12:43:47] Rainfall = 1

[5/31/2024 12:43:47] Green Ampt Parameter = 0

[5/31/2024 12:43:47] Vert Layer Parameter = 0

[5/31/2024 12:43:47] Curve Number Parameter = 29

[5/31/2024 12:43:47] Imperviousness = 29

[5/31/2024 12:43:47]

[5/31/2024 12:43:47] --- Routing Counts -------------------------------------------------

[5/31/2024 12:43:47] Region = 0

[5/31/2024 12:43:47] Total Node = 54

[5/31/2024 12:43:47] 1D Stage Area = 52

[5/31/2024 12:43:47] 1D Time Stage = 2

[5/31/2024 12:43:47] 1D Drop Nodes = 0

[5/31/2024 12:43:48] 2D Stage Area = 0

[5/31/2024 12:43:48] 2D Time Stage = 0

[5/31/2024 12:43:48] 2D Pond Ghost = 0

[5/31/2024 12:43:48] 2D Chan Ghost = 0

[5/31/2024 12:43:48] 1D/2D Node Interfaces = 0

[5/31/2024 12:43:48] 1D/2D Injection Wells = 0

[5/31/2024 12:43:48] Total Link = 85

[5/31/2024 12:43:48] 1D Pipe = 26

[5/31/2024 12:43:48] 1D Drop Structure = 1

[5/31/2024 12:43:48] 1D French Drain = 0

[5/31/2024 12:43:48] 1D Channel = 2

[5/31/2024 12:43:48] 2D Channel = 0

[5/31/2024 12:43:48] 1D Weir = 54

[5/31/2024 12:43:48] 1D Drop Weir = 2

[5/31/2024 12:43:48] 2D Weir = 0

[5/31/2024 12:43:48] 1D Rating Curve = 0

[5/31/2024 12:43:48] 1D Percolation = 0

[5/31/2024 12:43:48] Cross Section = 36

[5/31/2024 12:43:48] Operating Table = 0

[5/31/2024 12:43:49]

[5/31/2024 12:43:49] --- Groundwater Counts ---------------------------------------------

[5/31/2024 12:43:49] Region = 0

[5/31/2024 12:43:49] Triangle = 0

[5/31/2024 12:43:49] Vertex = 0

[5/31/2024 12:43:49] Midpoint = 0

[5/31/2024 12:43:49] --------------------------------------------------------------------

[5/31/2024 12:43:49]

[5/31/2024 12:43:49] Processing Initial Link Flows...

[5/31/2024 12:43:49] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 12:43:49] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:49] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:49] Node N-BTW-09 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:49] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-23 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 12:43:50] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 12:44:19] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 12:44:31] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 12:44:31] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 12:44:32] Node N-BTW-08 caused a revert (this will only be logged once per node)

[5/31/2024 12:44:33] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 12:44:33] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 12:44:56] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 12:45:20] Node N-BTW-09B caused a revert (this will only be logged once per node)

[5/31/2024 12:45:20] Node N-BTW-08B caused a revert (this will only be logged once per node)

[5/31/2024 12:45:29] Node N-BTW-05B caused a revert (this will only be logged once per node)

[5/31/2024 12:45:54] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 12:45:54] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 12:45:59] Conduit Optimizer Total Count=14237445 of 18885384

[5/31/2024 12:45:59] PC busted 163 of 298046

[5/31/2024 12:45:59] Average Iterations was 1.263

[5/31/2024 12:45:59] Average dt was 0.60871 sec

[5/31/2024 12:45:59] Revert count=14149

[5/31/2024 12:45:59]

[5/31/2024 12:45:59] ---- Timers -----------------------------

[5/31/2024 12:45:59] Total Time=129.681 sec

[5/31/2024 12:45:59] Basin Time=0.014 sec

[5/31/2024 12:45:59] BasinPoly Time=0.007 sec

[5/31/2024 12:45:59] Node Time=4.228 sec

[5/31/2024 12:45:59] Link Time=118.479 sec

[5/31/2024 12:45:59] Hydrology Output Time=1.708 sec

[5/31/2024 12:45:59] Groundwater Output Time=0.002 sec

[5/31/2024 12:45:59] Routing Output Time=2.420 sec

[5/31/2024 12:45:59] --- Thread Timers --------------------

[5/31/2024 12:45:59] Thread[0] Basin Time=0.005 sec

[5/31/2024 12:45:59] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 12:45:59] Thread[0] Node Time=0.403 sec

[5/31/2024 12:45:59] Thread[0] Link Time=56.328 sec

[5/31/2024 12:45:59] --- Thread Timers --------------------

[5/31/2024 12:46:00] Thread[1] Basin Time=0.006 sec

[5/31/2024 12:46:00] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 12:46:00] Thread[1] Node Time=0.445 sec

[5/31/2024 12:46:00] Thread[1] Link Time=53.255 sec

[5/31/2024 12:46:00] --- Thread Timers --------------------

[5/31/2024 12:46:00] Thread[2] Basin Time=0.009 sec

[5/31/2024 12:46:00] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 12:46:00] Thread[2] Node Time=0.482 sec

[5/31/2024 12:46:00] Thread[2] Link Time=60.445 sec

[5/31/2024 12:46:00] --- Thread Timers --------------------

[5/31/2024 12:46:00] Thread[3] Basin Time=0.006 sec

[5/31/2024 12:46:00] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 12:46:00] Thread[3] Node Time=0.455 sec

[5/31/2024 12:46:00] Thread[3] Link Time=93.459 sec

[5/31/2024 12:46:00] --- Thread Timers --------------------

[5/31/2024 12:46:00] Thread[4] Basin Time=0.010 sec

[5/31/2024 12:46:00] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 12:46:00] Thread[4] Node Time=0.477 sec

[5/31/2024 12:46:00] Thread[4] Link Time=20.210 sec

[5/31/2024 12:46:00] --- Thread Timers --------------------

[5/31/2024 12:46:00] Thread[5] Basin Time=0.007 sec

[5/31/2024 12:46:00] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 12:46:00] Thread[5] Node Time=0.490 sec

[5/31/2024 12:46:00] Thread[5] Link Time=5.373 sec

[5/31/2024 12:46:00] --- Thread Timers --------------------

[5/31/2024 12:46:00] Thread[6] Basin Time=0.006 sec

[5/31/2024 12:46:01] Thread[6] BasinPoly Time=0.002 sec

[5/31/2024 12:46:01] Thread[6] Node Time=0.499 sec

[5/31/2024 12:46:01] Thread[6] Link Time=63.554 sec

[5/31/2024 12:46:01] --- Thread Timers --------------------

[5/31/2024 12:46:01] Thread[7] Basin Time=0.007 sec

[5/31/2024 12:46:01] Thread[7] BasinPoly Time=0.002 sec

[5/31/2024 12:46:01] Thread[7] Node Time=0.498 sec

[5/31/2024 12:46:01] Thread[7] Link Time=31.987 sec

[5/31/2024 12:46:01] --- Thread Timers --------------------

[5/31/2024 12:46:01] Thread[8] Basin Time=0.006 sec

[5/31/2024 12:46:01] Thread[8] BasinPoly Time=0.002 sec

[5/31/2024 12:46:01] Thread[8] Node Time=0.427 sec

[5/31/2024 12:46:02] Thread[8] Link Time=25.134 sec

[5/31/2024 12:46:02] --- Thread Timers --------------------

[5/31/2024 12:46:02] Thread[9] Basin Time=0.004 sec

[5/31/2024 12:46:02] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 12:46:02] Thread[9] Node Time=0.434 sec

[5/31/2024 12:46:02] Thread[9] Link Time=56.401 sec

[5/31/2024 12:46:02] --- Thread Timers --------------------

[5/31/2024 12:46:02] Thread[10] Basin Time=0.003 sec

[5/31/2024 12:46:02] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 12:46:02] Thread[10] Node Time=0.431 sec

[5/31/2024 12:46:02] Thread[10] Link Time=49.081 sec

[5/31/2024 12:46:02] --- Thread Timers --------------------

[5/31/2024 12:46:02] Thread[11] Basin Time=0.004 sec

[5/31/2024 12:46:02] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 12:46:03] Thread[11] Node Time=0.451 sec

[5/31/2024 12:46:03] Thread[11] Link Time=2.865 sec

[5/31/2024 12:46:03] --- Thread Timers --------------------

[5/31/2024 12:46:03] Thread[12] Basin Time=0.004 sec

[5/31/2024 12:46:03] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 12:46:03] Thread[12] Node Time=0.441 sec

[5/31/2024 12:46:03] Thread[12] Link Time=4.252 sec

[5/31/2024 12:46:03] --- Thread Timers --------------------

[5/31/2024 12:46:03] Thread[13] Basin Time=0.003 sec

[5/31/2024 12:46:03] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 12:46:03] Thread[13] Node Time=0.426 sec

[5/31/2024 12:46:03] Thread[13] Link Time=5.019 sec

[5/31/2024 12:46:03] --- Thread Timers --------------------

[5/31/2024 12:46:04] Thread[14] Basin Time=0.003 sec

[5/31/2024 12:46:04] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 12:46:04] Thread[14] Node Time=0.433 sec

[5/31/2024 12:46:04] Thread[14] Link Time=7.055 sec

[5/31/2024 12:46:04] --- Thread Timers --------------------

[5/31/2024 12:46:04] Thread[15] Basin Time=0.004 sec

[5/31/2024 12:46:04] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 12:46:04] Thread[15] Node Time=0.368 sec

[5/31/2024 12:46:04] Thread[15] Link Time=8.104 sec

[5/31/2024 12:46:04] --- Thread Timers --------------------

[5/31/2024 12:46:04] Thread[16] Basin Time=0.003 sec

[5/31/2024 12:46:04] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 12:46:04] Thread[16] Node Time=0.339 sec

[5/31/2024 12:46:04] Thread[16] Link Time=3.165 sec

[5/31/2024 12:46:05] --- Thread Timers --------------------

[5/31/2024 12:46:05] Thread[17] Basin Time=0.003 sec

[5/31/2024 12:46:05] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 12:46:05] Thread[17] Node Time=0.305 sec

[5/31/2024 12:46:05] Thread[17] Link Time=38.625 sec

[5/31/2024 12:46:05] --- Thread Timers --------------------

[5/31/2024 12:46:05] Thread[18] Basin Time=0.003 sec

[5/31/2024 12:46:05] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 12:46:05] Thread[18] Node Time=0.327 sec

[5/31/2024 12:46:05] Thread[18] Link Time=52.028 sec