[5/31/2024 12:38:45]

 threads=-1

 batch=5 of 24

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

 nextsim=C:\Work Space\buttonwood\Scenarios\Sc1\Simulations\Si30\

[5/31/2024 12:38:45] C:\Work Space\buttonwood\Scenarios\Sc1\Simulations\Si5\echo.i4p

[5/31/2024 12:38:45] Reading Simulation

[5/31/2024 12:38:45] Simulation=2.33YR24HR

[5/31/2024 12:38:45] RunMode=0

[5/31/2024 12:38:45] HotStart=0

[5/31/2024 12:38:45] SaveRestart=0

[5/31/2024 12:38:45] StartYear=0

[5/31/2024 12:38:45] StartMonth=0

[5/31/2024 12:38:45] StartDay=0

[5/31/2024 12:38:45] StartHour=0.000

[5/31/2024 12:38:45] EndYear=0

[5/31/2024 12:38:45] EndMonth=0

[5/31/2024 12:38:45] EndDay=0

[5/31/2024 12:38:45] EndHour=48.000

[5/31/2024 12:38:45] HotstartYear=0

[5/31/2024 12:38:45] HotstartMonth=0

[5/31/2024 12:38:46] HotstartDay=0

[5/31/2024 12:38:46] HotstartHour=0.000

[5/31/2024 12:38:46] MinCalc\_Hydrology=60.000

[5/31/2024 12:38:46] MinCalc\_Hydraulics=0.100

[5/31/2024 12:38:46] MaxCalc\_Hydraulics=30.000

[5/31/2024 12:38:46] MinCalc\_Groundwater=900.000

[5/31/2024 12:38:46] RainfallSet=

[5/31/2024 12:38:46] RefETSet=

[5/31/2024 12:38:46] UnitHydSet=

[5/31/2024 12:38:46] BndStageSet=25YR24HR-MHHWL

[5/31/2024 12:38:46] ExHydSet=

[5/31/2024 12:38:46] CurveNumSet=

[5/31/2024 12:38:46] GreenAmptSet=

[5/31/2024 12:38:46] VertLayerSet=

[5/31/2024 12:38:46] ImpervSet=

[5/31/2024 12:38:46] RoughnessSet=

[5/31/2024 12:38:46] CropCoefSet=

[5/31/2024 12:38:46] PorosSet=

[5/31/2024 12:38:46] ConductSet=

[5/31/2024 12:38:46] LeakageSet=

[5/31/2024 12:38:46] TimeMarching=0

[5/31/2024 12:38:46] MaxIterations=6

[5/31/2024 12:38:46] OverRelaxWeightFactor=0.500

[5/31/2024 12:38:46] dZTolerance=0.001

[5/31/2024 12:38:46] MaxdZ=1.500

[5/31/2024 12:38:46] LinkOptTol=0.000

[5/31/2024 12:38:46] EdgeLengthOpt=0

[5/31/2024 12:38:46] EdgeLengthFactor=0.667

[5/31/2024 12:38:46] DefaultDampThresh2d=0.005

[5/31/2024 12:38:46] MinSurfArea2d=100.000

[5/31/2024 12:38:46] EnergySwitch2d=1

[5/31/2024 12:38:46] IaTime=24.000

[5/31/2024 12:38:46] IncludeETManBasns=0

[5/31/2024 12:38:46] VertLayerSoln=0

[5/31/2024 12:38:46] RainOptManBasns=1

[5/31/2024 12:38:46] RainOptOF=1

[5/31/2024 12:38:46] RainName=~FLMOD

[5/31/2024 12:38:46] RainAmount=4.820

[5/31/2024 12:38:46] StormDur=24.000

[5/31/2024 12:38:47] DefaultDampThresh1D=0.005

[5/31/2024 12:38:47] MinNodeSurfArea1D=100.000

[5/31/2024 12:38:47] EnergySwitch1D=1

[5/31/2024 12:38:47] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 12:38:47] 19 threads [20 cores detected]

[5/31/2024 12:38:47] SolutionMethod=SAOR

[5/31/2024 12:38:47] No \_ET.TXT

[5/31/2024 12:38:47] No \_EV.TXT

[5/31/2024 12:38:47] Reading Operating Tables

[5/31/2024 12:38:47] Reading Cross Sections

[5/31/2024 12:38:47] Reading 1D Nodes

[5/31/2024 12:38:47] Reading Overland Flow Nodes

[5/31/2024 12:38:47] Reading 1D Channels

[5/31/2024 12:38:48] Setting up channel ghost nodes

[5/31/2024 12:38:48] Reading Pipes

[5/31/2024 12:38:48] Reading Rating Curves

[5/31/2024 12:38:48] Reading Weirs

[5/31/2024 12:38:48] Reading Drop Structures

[5/31/2024 12:38:48] Reading Breaches

[5/31/2024 12:38:48] Reading Percs

[5/31/2024 12:38:48] Reading Overland Flow Channels

[5/31/2024 12:38:49] Reading Overland Flow Weirs

[5/31/2024 12:38:49] Setting up ghost nodes

[5/31/2024 12:38:49] Reading Manual Basins

[5/31/2024 12:38:49] Reading Overland Flow Basins

[5/31/2024 12:38:49] Sorting basins

[5/31/2024 12:38:49] Reading Basin Features

[5/31/2024 12:38:49] Reading Groundwater

[5/31/2024 12:38:49] Initializing threads

[5/31/2024 12:38:49] Build Complete

[5/31/2024 12:38:50] Total basin area=47.340

[5/31/2024 12:38:50] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 12:38:50]

[5/31/2024 12:38:50] --- Hydrology Counts -----------------------------------------------

[5/31/2024 12:38:50] Total Basin = 28

[5/31/2024 12:38:50] Direct Basin = 0

[5/31/2024 12:38:51] Manual NRCS Basin = 0

[5/31/2024 12:38:51] Manual SB Basin = 0

[5/31/2024 12:38:51] Mapped NRCS Basin = 0

[5/31/2024 12:38:51] Mapped SB Basin = 0

[5/31/2024 12:38:52] Simple NRCS Basin = 28

[5/31/2024 12:38:52] Simple SB Basin = 0

[5/31/2024 12:38:52] Total Basin Polygon = 28

[5/31/2024 12:38:52] Manual Basin Polygon = 0

[5/31/2024 12:38:52] Mapped Basin Polygon = 0

[5/31/2024 12:38:53] 2D Basin Polygon = 0

[5/31/2024 12:38:53] Crop = 0

[5/31/2024 12:38:53] Reference ET = 0

[5/31/2024 12:38:53] Rainfall = 1

[5/31/2024 12:38:53] Green Ampt Parameter = 0

[5/31/2024 12:38:53] Vert Layer Parameter = 0

[5/31/2024 12:38:53] Curve Number Parameter = 29

[5/31/2024 12:38:54] Imperviousness = 29

[5/31/2024 12:38:54]

[5/31/2024 12:38:54] --- Routing Counts -------------------------------------------------

[5/31/2024 12:38:54] Region = 0

[5/31/2024 12:38:54] Total Node = 54

[5/31/2024 12:38:54] 1D Stage Area = 52

[5/31/2024 12:38:54] 1D Time Stage = 2

[5/31/2024 12:38:54] 1D Drop Nodes = 0

[5/31/2024 12:38:54] 2D Stage Area = 0

[5/31/2024 12:38:54] 2D Time Stage = 0

[5/31/2024 12:38:55] 2D Pond Ghost = 0

[5/31/2024 12:38:55] 2D Chan Ghost = 0

[5/31/2024 12:38:55] 1D/2D Node Interfaces = 0

[5/31/2024 12:38:55] 1D/2D Injection Wells = 0

[5/31/2024 12:38:55] Total Link = 85

[5/31/2024 12:38:55] 1D Pipe = 26

[5/31/2024 12:38:55] 1D Drop Structure = 1

[5/31/2024 12:38:55] 1D French Drain = 0

[5/31/2024 12:38:55] 1D Channel = 2

[5/31/2024 12:38:55] 2D Channel = 0

[5/31/2024 12:38:55] 1D Weir = 54

[5/31/2024 12:38:55] 1D Drop Weir = 2

[5/31/2024 12:38:55] 2D Weir = 0

[5/31/2024 12:38:56] 1D Rating Curve = 0

[5/31/2024 12:38:56] 1D Percolation = 0

[5/31/2024 12:38:56] Cross Section = 36

[5/31/2024 12:38:56] Operating Table = 0

[5/31/2024 12:38:56]

[5/31/2024 12:38:56] --- Groundwater Counts ---------------------------------------------

[5/31/2024 12:38:56] Region = 0

[5/31/2024 12:38:56] Triangle = 0

[5/31/2024 12:38:56] Vertex = 0

[5/31/2024 12:38:57] Midpoint = 0

[5/31/2024 12:38:57] --------------------------------------------------------------------

[5/31/2024 12:38:57]

[5/31/2024 12:38:57] Processing Initial Link Flows...

[5/31/2024 12:38:57] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 12:38:57] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 12:38:57] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 12:38:57] Node N-BTW-09 caused a revert (this will only be logged once per node)

[5/31/2024 12:38:57] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 12:38:57] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 12:38:58] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 12:38:58] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 12:38:58] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 12:38:58] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 12:38:59] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 12:39:01] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 12:39:22] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 12:39:50] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 12:39:50] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 12:39:50] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 12:39:54] Node N-BTW-08B caused a revert (this will only be logged once per node)

[5/31/2024 12:39:54] Node N-BTW-08 caused a revert (this will only be logged once per node)

[5/31/2024 12:39:57] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 12:39:58] Node N-BTW-05B caused a revert (this will only be logged once per node)

[5/31/2024 12:40:00] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 12:41:12] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 12:41:12] Node N-BTW-23 caused a revert (this will only be logged once per node)

[5/31/2024 12:41:13] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 12:41:13] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 12:41:17] Conduit Optimizer Total Count=16430694 of 21455644

[5/31/2024 12:41:17] PC busted 126 of 359457

[5/31/2024 12:41:17] Average Iterations was 1.132

[5/31/2024 12:41:17] Average dt was 0.50531 sec

[5/31/2024 12:41:17] Revert count=17442

[5/31/2024 12:41:17]

[5/31/2024 12:41:17] ---- Timers -----------------------------

[5/31/2024 12:41:17] Total Time=140.185 sec

[5/31/2024 12:41:17] Basin Time=0.065 sec

[5/31/2024 12:41:17] BasinPoly Time=0.023 sec

[5/31/2024 12:41:17] Node Time=8.347 sec

[5/31/2024 12:41:17] Link Time=112.268 sec

[5/31/2024 12:41:17] Hydrology Output Time=8.843 sec

[5/31/2024 12:41:17] Groundwater Output Time=0.001 sec

[5/31/2024 12:41:18] Routing Output Time=7.432 sec

[5/31/2024 12:41:18] --- Thread Timers --------------------

[5/31/2024 12:41:18] Thread[0] Basin Time=0.005 sec

[5/31/2024 12:41:18] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 12:41:18] Thread[0] Node Time=0.450 sec

[5/31/2024 12:41:18] Thread[0] Link Time=68.145 sec

[5/31/2024 12:41:18] --- Thread Timers --------------------

[5/31/2024 12:41:18] Thread[1] Basin Time=0.006 sec

[5/31/2024 12:41:18] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 12:41:18] Thread[1] Node Time=0.529 sec

[5/31/2024 12:41:18] Thread[1] Link Time=67.210 sec

[5/31/2024 12:41:18] --- Thread Timers --------------------

[5/31/2024 12:41:18] Thread[2] Basin Time=0.008 sec

[5/31/2024 12:41:18] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 12:41:18] Thread[2] Node Time=0.511 sec

[5/31/2024 12:41:18] Thread[2] Link Time=67.662 sec

[5/31/2024 12:41:18] --- Thread Timers --------------------

[5/31/2024 12:41:18] Thread[3] Basin Time=0.006 sec

[5/31/2024 12:41:18] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 12:41:18] Thread[3] Node Time=0.502 sec

[5/31/2024 12:41:18] Thread[3] Link Time=80.203 sec

[5/31/2024 12:41:18] --- Thread Timers --------------------

[5/31/2024 12:41:18] Thread[4] Basin Time=0.010 sec

[5/31/2024 12:41:18] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 12:41:18] Thread[4] Node Time=0.484 sec

[5/31/2024 12:41:18] Thread[4] Link Time=14.880 sec

[5/31/2024 12:41:18] --- Thread Timers --------------------

[5/31/2024 12:41:18] Thread[5] Basin Time=0.006 sec

[5/31/2024 12:41:18] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 12:41:18] Thread[5] Node Time=0.532 sec

[5/31/2024 12:41:18] Thread[5] Link Time=5.321 sec

[5/31/2024 12:41:19] --- Thread Timers --------------------

[5/31/2024 12:41:19] Thread[6] Basin Time=0.006 sec

[5/31/2024 12:41:19] Thread[6] BasinPoly Time=0.002 sec

[5/31/2024 12:41:19] Thread[6] Node Time=0.539 sec

[5/31/2024 12:41:19] Thread[6] Link Time=68.198 sec

[5/31/2024 12:41:19] --- Thread Timers --------------------

[5/31/2024 12:41:19] Thread[7] Basin Time=0.006 sec

[5/31/2024 12:41:19] Thread[7] BasinPoly Time=0.002 sec

[5/31/2024 12:41:19] Thread[7] Node Time=0.519 sec

[5/31/2024 12:41:19] Thread[7] Link Time=18.730 sec

[5/31/2024 12:41:19] --- Thread Timers --------------------

[5/31/2024 12:41:19] Thread[8] Basin Time=0.006 sec

[5/31/2024 12:41:19] Thread[8] BasinPoly Time=0.002 sec

[5/31/2024 12:41:19] Thread[8] Node Time=0.501 sec

[5/31/2024 12:41:19] Thread[8] Link Time=16.297 sec

[5/31/2024 12:41:20] --- Thread Timers --------------------

[5/31/2024 12:41:20] Thread[9] Basin Time=0.003 sec

[5/31/2024 12:41:20] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 12:41:20] Thread[9] Node Time=0.513 sec

[5/31/2024 12:41:20] Thread[9] Link Time=69.758 sec

[5/31/2024 12:41:20] --- Thread Timers --------------------

[5/31/2024 12:41:20] Thread[10] Basin Time=0.003 sec

[5/31/2024 12:41:20] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 12:41:20] Thread[10] Node Time=0.500 sec

[5/31/2024 12:41:20] Thread[10] Link Time=62.402 sec

[5/31/2024 12:41:20] --- Thread Timers --------------------

[5/31/2024 12:41:20] Thread[11] Basin Time=0.004 sec

[5/31/2024 12:41:20] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 12:41:20] Thread[11] Node Time=0.527 sec

[5/31/2024 12:41:21] Thread[11] Link Time=2.642 sec

[5/31/2024 12:41:21] --- Thread Timers --------------------

[5/31/2024 12:41:21] Thread[12] Basin Time=0.004 sec

[5/31/2024 12:41:21] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 12:41:21] Thread[12] Node Time=0.519 sec

[5/31/2024 12:41:21] Thread[12] Link Time=4.770 sec

[5/31/2024 12:41:21] --- Thread Timers --------------------

[5/31/2024 12:41:21] Thread[13] Basin Time=0.003 sec

[5/31/2024 12:41:21] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 12:41:21] Thread[13] Node Time=0.497 sec

[5/31/2024 12:41:21] Thread[13] Link Time=3.491 sec

[5/31/2024 12:41:21] --- Thread Timers --------------------

[5/31/2024 12:41:21] Thread[14] Basin Time=0.004 sec

[5/31/2024 12:41:21] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 12:41:22] Thread[14] Node Time=0.503 sec

[5/31/2024 12:41:22] Thread[14] Link Time=6.736 sec

[5/31/2024 12:41:22] --- Thread Timers --------------------

[5/31/2024 12:41:22] Thread[15] Basin Time=0.004 sec

[5/31/2024 12:41:22] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 12:41:22] Thread[15] Node Time=0.428 sec

[5/31/2024 12:41:22] Thread[15] Link Time=6.584 sec

[5/31/2024 12:41:22] --- Thread Timers --------------------

[5/31/2024 12:41:22] Thread[16] Basin Time=0.004 sec

[5/31/2024 12:41:22] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 12:41:22] Thread[16] Node Time=0.394 sec

[5/31/2024 12:41:22] Thread[16] Link Time=1.937 sec

[5/31/2024 12:41:22] --- Thread Timers --------------------

[5/31/2024 12:41:23] Thread[17] Basin Time=0.003 sec

[5/31/2024 12:41:23] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 12:41:23] Thread[17] Node Time=0.362 sec

[5/31/2024 12:41:23] Thread[17] Link Time=55.281 sec

[5/31/2024 12:41:23] --- Thread Timers --------------------

[5/31/2024 12:41:23] Thread[18] Basin Time=0.003 sec

[5/31/2024 12:41:23] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 12:41:23] Thread[18] Node Time=0.374 sec

[5/31/2024 12:41:24] Thread[18] Link Time=66.467 sec