[5/31/2024 12:59:33]

 threads=-1

 batch=13 of 24

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

 nextsim=C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si27\

[5/31/2024 12:59:33] C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si19\echo.i4p

[5/31/2024 12:59:33] Reading Simulation

[5/31/2024 12:59:33] Simulation=100YR24HR

[5/31/2024 12:59:33] RunMode=-856294400

[5/31/2024 12:59:33] HotStart=0

[5/31/2024 12:59:33] SaveRestart=0

[5/31/2024 12:59:33] StartYear=0

[5/31/2024 12:59:33] StartMonth=0

[5/31/2024 12:59:34] StartDay=0

[5/31/2024 12:59:34] StartHour=0.000

[5/31/2024 12:59:34] EndYear=0

[5/31/2024 12:59:34] EndMonth=0

[5/31/2024 12:59:34] EndDay=0

[5/31/2024 12:59:34] EndHour=48.000

[5/31/2024 12:59:34] HotstartYear=0

[5/31/2024 12:59:34] HotstartMonth=0

[5/31/2024 12:59:34] HotstartDay=0

[5/31/2024 12:59:34] HotstartHour=0.000

[5/31/2024 12:59:34] MinCalc\_Hydrology=60.000

[5/31/2024 12:59:34] MinCalc\_Hydraulics=0.100

[5/31/2024 12:59:34] MaxCalc\_Hydraulics=30.000

[5/31/2024 12:59:34] MinCalc\_Groundwater=900.000

[5/31/2024 12:59:34] RainfallSet=

[5/31/2024 12:59:34] RefETSet=

[5/31/2024 12:59:34] UnitHydSet=

[5/31/2024 12:59:34] BndStageSet=25YR24HR-MHHWL

[5/31/2024 12:59:34] ExHydSet=

[5/31/2024 12:59:34] CurveNumSet=

[5/31/2024 12:59:34] GreenAmptSet=

[5/31/2024 12:59:34] VertLayerSet=

[5/31/2024 12:59:34] ImpervSet=

[5/31/2024 12:59:34] RoughnessSet=

[5/31/2024 12:59:34] CropCoefSet=

[5/31/2024 12:59:34] PorosSet=

[5/31/2024 12:59:34] ConductSet=

[5/31/2024 12:59:34] LeakageSet=

[5/31/2024 12:59:34] TimeMarching=0

[5/31/2024 12:59:34] MaxIterations=6

[5/31/2024 12:59:34] OverRelaxWeightFactor=0.500

[5/31/2024 12:59:34] dZTolerance=0.001

[5/31/2024 12:59:34] MaxdZ=1.500

[5/31/2024 12:59:34] LinkOptTol=0.000

[5/31/2024 12:59:34] EdgeLengthOpt=0

[5/31/2024 12:59:34] EdgeLengthFactor=0.667

[5/31/2024 12:59:34] DefaultDampThresh2d=0.005

[5/31/2024 12:59:34] MinSurfArea2d=100.000

[5/31/2024 12:59:34] EnergySwitch2d=1

[5/31/2024 12:59:34] IaTime=24.000

[5/31/2024 12:59:34] IncludeETManBasns=0

[5/31/2024 12:59:34] VertLayerSoln=0

[5/31/2024 12:59:34] RainOptManBasns=1

[5/31/2024 12:59:34] RainOptOF=1

[5/31/2024 12:59:34] RainName=~FLMOD

[5/31/2024 12:59:34] RainAmount=12.300

[5/31/2024 12:59:35] StormDur=24.000

[5/31/2024 12:59:35] DefaultDampThresh1D=0.005

[5/31/2024 12:59:35] MinNodeSurfArea1D=100.000

[5/31/2024 12:59:35] EnergySwitch1D=1

[5/31/2024 12:59:35] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 12:59:35] 19 threads [20 cores detected]

[5/31/2024 12:59:35] SolutionMethod=SAOR

[5/31/2024 12:59:35] No \_ET.TXT

[5/31/2024 12:59:35] No \_EV.TXT

[5/31/2024 12:59:35] Reading Operating Tables

[5/31/2024 12:59:35] Reading Cross Sections

[5/31/2024 12:59:35] Reading 1D Nodes

[5/31/2024 12:59:35] Reading Overland Flow Nodes

[5/31/2024 12:59:35] Reading 1D Channels

[5/31/2024 12:59:35] Setting up channel ghost nodes

[5/31/2024 12:59:35] Reading Pipes

[5/31/2024 12:59:35] Reading Rating Curves

[5/31/2024 12:59:35] Reading Weirs

[5/31/2024 12:59:35] Reading Drop Structures

[5/31/2024 12:59:35] Reading Breaches

[5/31/2024 12:59:36] Reading Percs

[5/31/2024 12:59:36] Reading Overland Flow Channels

[5/31/2024 12:59:36] Reading Overland Flow Weirs

[5/31/2024 12:59:36] Setting up ghost nodes

[5/31/2024 12:59:36] Reading Manual Basins

[5/31/2024 12:59:36] Reading Overland Flow Basins

[5/31/2024 12:59:36] Sorting basins

[5/31/2024 12:59:36] Reading Basin Features

[5/31/2024 12:59:36] Reading Groundwater

[5/31/2024 12:59:36] Initializing threads

[5/31/2024 12:59:36] Build Complete

[5/31/2024 12:59:36] Total basin area=47.340

[5/31/2024 12:59:36] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 12:59:36]

[5/31/2024 12:59:36] --- Hydrology Counts -----------------------------------------------

[5/31/2024 12:59:36] Total Basin = 28

[5/31/2024 12:59:36] Direct Basin = 0

[5/31/2024 12:59:36] Manual NRCS Basin = 0

[5/31/2024 12:59:36] Manual SB Basin = 0

[5/31/2024 12:59:36] Mapped NRCS Basin = 0

[5/31/2024 12:59:36] Mapped SB Basin = 0

[5/31/2024 12:59:36] Simple NRCS Basin = 28

[5/31/2024 12:59:37] Simple SB Basin = 0

[5/31/2024 12:59:37] Total Basin Polygon = 28

[5/31/2024 12:59:37] Manual Basin Polygon = 0

[5/31/2024 12:59:37] Mapped Basin Polygon = 0

[5/31/2024 12:59:37] 2D Basin Polygon = 0

[5/31/2024 12:59:37] Crop = 0

[5/31/2024 12:59:37] Reference ET = 0

[5/31/2024 12:59:37] Rainfall = 1

[5/31/2024 12:59:37] Green Ampt Parameter = 0

[5/31/2024 12:59:37] Vert Layer Parameter = 0

[5/31/2024 12:59:37] Curve Number Parameter = 29

[5/31/2024 12:59:37] Imperviousness = 29

[5/31/2024 12:59:37]

[5/31/2024 12:59:37] --- Routing Counts -------------------------------------------------

[5/31/2024 12:59:37] Region = 0

[5/31/2024 12:59:37] Total Node = 55

[5/31/2024 12:59:37] 1D Stage Area = 52

[5/31/2024 12:59:37] 1D Time Stage = 3

[5/31/2024 12:59:37] 1D Drop Nodes = 0

[5/31/2024 12:59:37] 2D Stage Area = 0

[5/31/2024 12:59:38] 2D Time Stage = 0

[5/31/2024 12:59:38] 2D Pond Ghost = 0

[5/31/2024 12:59:38] 2D Chan Ghost = 0

[5/31/2024 12:59:38] 1D/2D Node Interfaces = 0

[5/31/2024 12:59:38] 1D/2D Injection Wells = 0

[5/31/2024 12:59:38] Total Link = 86

[5/31/2024 12:59:38] 1D Pipe = 27

[5/31/2024 12:59:38] 1D Drop Structure = 1

[5/31/2024 12:59:38] 1D French Drain = 0

[5/31/2024 12:59:38] 1D Channel = 2

[5/31/2024 12:59:38] 2D Channel = 0

[5/31/2024 12:59:38] 1D Weir = 54

[5/31/2024 12:59:38] 1D Drop Weir = 2

[5/31/2024 12:59:38] 2D Weir = 0

[5/31/2024 12:59:38] 1D Rating Curve = 0

[5/31/2024 12:59:38] 1D Percolation = 0

[5/31/2024 12:59:38] Cross Section = 36

[5/31/2024 12:59:38] Operating Table = 0

[5/31/2024 12:59:38]

[5/31/2024 12:59:39] --- Groundwater Counts ---------------------------------------------

[5/31/2024 12:59:39] Region = 0

[5/31/2024 12:59:39] Triangle = 0

[5/31/2024 12:59:39] Vertex = 0

[5/31/2024 12:59:39] Midpoint = 0

[5/31/2024 12:59:39] --------------------------------------------------------------------

[5/31/2024 12:59:39]

[5/31/2024 12:59:39] Processing Initial Link Flows...

[5/31/2024 12:59:39] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 12:59:39] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:39] Node N-BTW-01 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:39] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:39] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:39] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:40] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:41] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 12:59:41] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 13:01:01] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 13:01:02] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 13:01:06] Node N-BTW-07B caused a revert (this will only be logged once per node)

[5/31/2024 13:01:09] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 13:01:11] Node N-BTW-02B caused a revert (this will only be logged once per node)

[5/31/2024 13:01:12] Node N-BTW-01B caused a revert (this will only be logged once per node)

[5/31/2024 13:01:42] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 13:01:52] Conduit Optimizer Total Count=17269171 of 21504952

[5/31/2024 13:01:52] PC busted 189 of 348505

[5/31/2024 13:01:52] Average Iterations was 1.204

[5/31/2024 13:01:52] Average dt was 0.52109 sec

[5/31/2024 13:01:52] Revert count=16838

[5/31/2024 13:01:52]

[5/31/2024 13:01:52] ---- Timers -----------------------------

[5/31/2024 13:01:52] Total Time=132.901 sec

[5/31/2024 13:01:52] Basin Time=0.013 sec

[5/31/2024 13:01:52] BasinPoly Time=0.005 sec

[5/31/2024 13:01:52] Node Time=4.113 sec

[5/31/2024 13:01:52] Link Time=117.155 sec

[5/31/2024 13:01:52] Hydrology Output Time=4.429 sec

[5/31/2024 13:01:52] Groundwater Output Time=0.001 sec

[5/31/2024 13:01:52] Routing Output Time=4.343 sec

[5/31/2024 13:01:52] --- Thread Timers --------------------

[5/31/2024 13:01:52] Thread[0] Basin Time=0.006 sec

[5/31/2024 13:01:52] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 13:01:53] Thread[0] Node Time=0.451 sec

[5/31/2024 13:01:53] Thread[0] Link Time=52.536 sec

[5/31/2024 13:01:53] --- Thread Timers --------------------

[5/31/2024 13:01:53] Thread[1] Basin Time=0.006 sec

[5/31/2024 13:01:53] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 13:01:53] Thread[1] Node Time=0.520 sec

[5/31/2024 13:01:53] Thread[1] Link Time=60.536 sec

[5/31/2024 13:01:53] --- Thread Timers --------------------

[5/31/2024 13:01:53] Thread[2] Basin Time=0.009 sec

[5/31/2024 13:01:53] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 13:01:53] Thread[2] Node Time=0.540 sec

[5/31/2024 13:01:53] Thread[2] Link Time=60.871 sec

[5/31/2024 13:01:53] --- Thread Timers --------------------

[5/31/2024 13:01:53] Thread[3] Basin Time=0.006 sec

[5/31/2024 13:01:53] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 13:01:53] Thread[3] Node Time=0.511 sec

[5/31/2024 13:01:53] Thread[3] Link Time=60.776 sec

[5/31/2024 13:01:53] --- Thread Timers --------------------

[5/31/2024 13:01:53] Thread[4] Basin Time=0.010 sec

[5/31/2024 13:01:53] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 13:01:53] Thread[4] Node Time=0.491 sec

[5/31/2024 13:01:53] Thread[4] Link Time=86.537 sec

[5/31/2024 13:01:53] --- Thread Timers --------------------

[5/31/2024 13:01:53] Thread[5] Basin Time=0.007 sec

[5/31/2024 13:01:53] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 13:01:53] Thread[5] Node Time=0.573 sec

[5/31/2024 13:01:53] Thread[5] Link Time=11.535 sec

[5/31/2024 13:01:54] --- Thread Timers --------------------

[5/31/2024 13:01:54] Thread[6] Basin Time=0.006 sec

[5/31/2024 13:01:54] Thread[6] BasinPoly Time=0.002 sec

[5/31/2024 13:01:54] Thread[6] Node Time=0.575 sec

[5/31/2024 13:01:54] Thread[6] Link Time=5.267 sec

[5/31/2024 13:01:54] --- Thread Timers --------------------

[5/31/2024 13:01:54] Thread[7] Basin Time=0.007 sec

[5/31/2024 13:01:54] Thread[7] BasinPoly Time=0.002 sec

[5/31/2024 13:01:54] Thread[7] Node Time=0.539 sec

[5/31/2024 13:01:55] Thread[7] Link Time=63.938 sec

[5/31/2024 13:01:55] --- Thread Timers --------------------

[5/31/2024 13:01:55] Thread[8] Basin Time=0.006 sec

[5/31/2024 13:01:55] Thread[8] BasinPoly Time=0.001 sec

[5/31/2024 13:01:55] Thread[8] Node Time=0.491 sec

[5/31/2024 13:01:55] Thread[8] Link Time=20.272 sec

[5/31/2024 13:01:55] --- Thread Timers --------------------

[5/31/2024 13:01:55] Thread[9] Basin Time=0.003 sec

[5/31/2024 13:01:56] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 13:01:56] Thread[9] Node Time=0.503 sec

[5/31/2024 13:01:56] Thread[9] Link Time=17.957 sec

[5/31/2024 13:01:56] --- Thread Timers --------------------

[5/31/2024 13:01:56] Thread[10] Basin Time=0.003 sec

[5/31/2024 13:01:56] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 13:01:56] Thread[10] Node Time=0.485 sec

[5/31/2024 13:01:56] Thread[10] Link Time=53.765 sec

[5/31/2024 13:01:56] --- Thread Timers --------------------

[5/31/2024 13:01:57] Thread[11] Basin Time=0.004 sec

[5/31/2024 13:01:57] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 13:01:57] Thread[11] Node Time=0.488 sec

[5/31/2024 13:01:57] Thread[11] Link Time=4.440 sec

[5/31/2024 13:01:57] --- Thread Timers --------------------

[5/31/2024 13:01:57] Thread[12] Basin Time=0.004 sec

[5/31/2024 13:01:57] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 13:01:57] Thread[12] Node Time=0.531 sec

[5/31/2024 13:01:58] Thread[12] Link Time=3.477 sec

[5/31/2024 13:01:58] --- Thread Timers --------------------

[5/31/2024 13:01:58] Thread[13] Basin Time=0.004 sec

[5/31/2024 13:01:58] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 13:01:58] Thread[13] Node Time=0.461 sec

[5/31/2024 13:01:58] Thread[13] Link Time=5.704 sec

[5/31/2024 13:01:58] --- Thread Timers --------------------

[5/31/2024 13:01:58] Thread[14] Basin Time=0.003 sec

[5/31/2024 13:01:58] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 13:01:58] Thread[14] Node Time=0.484 sec

[5/31/2024 13:01:59] Thread[14] Link Time=6.346 sec

[5/31/2024 13:01:59] --- Thread Timers --------------------

[5/31/2024 13:01:59] Thread[15] Basin Time=0.004 sec

[5/31/2024 13:01:59] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 13:01:59] Thread[15] Node Time=0.409 sec

[5/31/2024 13:01:59] Thread[15] Link Time=7.786 sec

[5/31/2024 13:01:59] --- Thread Timers --------------------

[5/31/2024 13:01:59] Thread[16] Basin Time=0.003 sec

[5/31/2024 13:02:00] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 13:02:00] Thread[16] Node Time=0.429 sec

[5/31/2024 13:02:00] Thread[16] Link Time=8.324 sec

[5/31/2024 13:02:00] --- Thread Timers --------------------

[5/31/2024 13:02:00] Thread[17] Basin Time=0.003 sec

[5/31/2024 13:02:00] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 13:02:00] Thread[17] Node Time=0.328 sec

[5/31/2024 13:02:01] Thread[17] Link Time=4.415 sec

[5/31/2024 13:02:01] --- Thread Timers --------------------

[5/31/2024 13:02:01] Thread[18] Basin Time=0.003 sec

[5/31/2024 13:02:01] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 13:02:01] Thread[18] Node Time=0.374 sec

[5/31/2024 13:02:01] Thread[18] Link Time=30.964 sec