[5/31/2024 13:10:57]

 threads=-1

 batch=19 of 24

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

 nextsim=C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si36\

[5/31/2024 13:10:57] C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si22\echo.i4p

[5/31/2024 13:10:57] Reading Simulation

[5/31/2024 13:10:57] Simulation=25YR24HR

[5/31/2024 13:10:57] RunMode=0

[5/31/2024 13:10:57] HotStart=0

[5/31/2024 13:10:57] SaveRestart=0

[5/31/2024 13:10:57] StartYear=0

[5/31/2024 13:10:57] StartMonth=0

[5/31/2024 13:10:57] StartDay=0

[5/31/2024 13:10:57] StartHour=0.000

[5/31/2024 13:10:57] EndYear=0

[5/31/2024 13:10:57] EndMonth=0

[5/31/2024 13:10:58] EndDay=0

[5/31/2024 13:10:58] EndHour=48.000

[5/31/2024 13:10:58] HotstartYear=0

[5/31/2024 13:10:58] HotstartMonth=0

[5/31/2024 13:10:58] HotstartDay=0

[5/31/2024 13:10:58] HotstartHour=0.000

[5/31/2024 13:10:58] MinCalc\_Hydrology=60.000

[5/31/2024 13:10:58] MinCalc\_Hydraulics=0.100

[5/31/2024 13:10:58] MaxCalc\_Hydraulics=30.000

[5/31/2024 13:10:58] MinCalc\_Groundwater=900.000

[5/31/2024 13:10:58] RainfallSet=

[5/31/2024 13:10:58] RefETSet=

[5/31/2024 13:10:58] UnitHydSet=

[5/31/2024 13:10:58] BndStageSet=25YR24HR-MHHWL

[5/31/2024 13:10:58] ExHydSet=

[5/31/2024 13:10:58] CurveNumSet=

[5/31/2024 13:10:58] GreenAmptSet=

[5/31/2024 13:10:58] VertLayerSet=

[5/31/2024 13:10:58] ImpervSet=

[5/31/2024 13:10:58] RoughnessSet=

[5/31/2024 13:10:58] CropCoefSet=

[5/31/2024 13:10:58] PorosSet=

[5/31/2024 13:10:58] ConductSet=

[5/31/2024 13:10:58] LeakageSet=

[5/31/2024 13:10:58] TimeMarching=0

[5/31/2024 13:10:58] MaxIterations=6

[5/31/2024 13:10:58] OverRelaxWeightFactor=0.500

[5/31/2024 13:10:58] dZTolerance=0.001

[5/31/2024 13:10:58] MaxdZ=1.500

[5/31/2024 13:10:58] LinkOptTol=0.000

[5/31/2024 13:10:58] EdgeLengthOpt=-1655823104

[5/31/2024 13:10:58] EdgeLengthFactor=0.667

[5/31/2024 13:10:58] DefaultDampThresh2d=0.005

[5/31/2024 13:10:58] MinSurfArea2d=100.000

[5/31/2024 13:10:58] EnergySwitch2d=1

[5/31/2024 13:10:58] IaTime=24.000

[5/31/2024 13:10:58] IncludeETManBasns=0

[5/31/2024 13:10:58] VertLayerSoln=0

[5/31/2024 13:10:58] RainOptManBasns=1

[5/31/2024 13:10:58] RainOptOF=1

[5/31/2024 13:10:58] RainName=~FLMOD

[5/31/2024 13:10:58] RainAmount=8.880

[5/31/2024 13:10:58] StormDur=24.000

[5/31/2024 13:10:58] DefaultDampThresh1D=0.005

[5/31/2024 13:10:58] MinNodeSurfArea1D=100.000

[5/31/2024 13:10:58] EnergySwitch1D=1

[5/31/2024 13:10:58] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 13:10:58] 19 threads [20 cores detected]

[5/31/2024 13:10:58] SolutionMethod=SAOR

[5/31/2024 13:10:58] No \_ET.TXT

[5/31/2024 13:10:58] No \_EV.TXT

[5/31/2024 13:10:59] Reading Operating Tables

[5/31/2024 13:10:59] Reading Cross Sections

[5/31/2024 13:10:59] Reading 1D Nodes

[5/31/2024 13:10:59] Reading Overland Flow Nodes

[5/31/2024 13:11:00] Reading 1D Channels

[5/31/2024 13:11:00] Setting up channel ghost nodes

[5/31/2024 13:11:00] Reading Pipes

[5/31/2024 13:11:00] Reading Rating Curves

[5/31/2024 13:11:00] Reading Weirs

[5/31/2024 13:11:00] Reading Drop Structures

[5/31/2024 13:11:00] Reading Breaches

[5/31/2024 13:11:01] Reading Percs

[5/31/2024 13:11:01] Reading Overland Flow Channels

[5/31/2024 13:11:01] Reading Overland Flow Weirs

[5/31/2024 13:11:01] Setting up ghost nodes

[5/31/2024 13:11:01] Reading Manual Basins

[5/31/2024 13:11:01] Reading Overland Flow Basins

[5/31/2024 13:11:01] Sorting basins

[5/31/2024 13:11:01] Reading Basin Features

[5/31/2024 13:11:01] Reading Groundwater

[5/31/2024 13:11:01] Initializing threads

[5/31/2024 13:11:01] Build Complete

[5/31/2024 13:11:01] Total basin area=47.340

[5/31/2024 13:11:01] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 13:11:01]

[5/31/2024 13:11:01] --- Hydrology Counts -----------------------------------------------

[5/31/2024 13:11:01] Total Basin = 28

[5/31/2024 13:11:01] Direct Basin = 0

[5/31/2024 13:11:01] Manual NRCS Basin = 0

[5/31/2024 13:11:01] Manual SB Basin = 0

[5/31/2024 13:11:02] Mapped NRCS Basin = 0

[5/31/2024 13:11:02] Mapped SB Basin = 0

[5/31/2024 13:11:02] Simple NRCS Basin = 28

[5/31/2024 13:11:02] Simple SB Basin = 0

[5/31/2024 13:11:02] Total Basin Polygon = 28

[5/31/2024 13:11:02] Manual Basin Polygon = 0

[5/31/2024 13:11:02] Mapped Basin Polygon = 0

[5/31/2024 13:11:02] 2D Basin Polygon = 0

[5/31/2024 13:11:02] Crop = 0

[5/31/2024 13:11:02] Reference ET = 0

[5/31/2024 13:11:02] Rainfall = 1

[5/31/2024 13:11:02] Green Ampt Parameter = 0

[5/31/2024 13:11:02] Vert Layer Parameter = 0

[5/31/2024 13:11:02] Curve Number Parameter = 29

[5/31/2024 13:11:02] Imperviousness = 29

[5/31/2024 13:11:02]

[5/31/2024 13:11:02] --- Routing Counts -------------------------------------------------

[5/31/2024 13:11:02] Region = 0

[5/31/2024 13:11:03] Total Node = 55

[5/31/2024 13:11:03] 1D Stage Area = 52

[5/31/2024 13:11:03] 1D Time Stage = 3

[5/31/2024 13:11:03] 1D Drop Nodes = 0

[5/31/2024 13:11:03] 2D Stage Area = 0

[5/31/2024 13:11:03] 2D Time Stage = 0

[5/31/2024 13:11:03] 2D Pond Ghost = 0

[5/31/2024 13:11:03] 2D Chan Ghost = 0

[5/31/2024 13:11:03] 1D/2D Node Interfaces = 0

[5/31/2024 13:11:03] 1D/2D Injection Wells = 0

[5/31/2024 13:11:03] Total Link = 86

[5/31/2024 13:11:03] 1D Pipe = 27

[5/31/2024 13:11:03] 1D Drop Structure = 1

[5/31/2024 13:11:03] 1D French Drain = 0

[5/31/2024 13:11:03] 1D Channel = 2

[5/31/2024 13:11:03] 2D Channel = 0

[5/31/2024 13:11:03] 1D Weir = 54

[5/31/2024 13:11:03] 1D Drop Weir = 2

[5/31/2024 13:11:03] 2D Weir = 0

[5/31/2024 13:11:04] 1D Rating Curve = 0

[5/31/2024 13:11:04] 1D Percolation = 0

[5/31/2024 13:11:04] Cross Section = 36

[5/31/2024 13:11:04] Operating Table = 0

[5/31/2024 13:11:04]

[5/31/2024 13:11:04] --- Groundwater Counts ---------------------------------------------

[5/31/2024 13:11:04] Region = 0

[5/31/2024 13:11:04] Triangle = 0

[5/31/2024 13:11:04] Vertex = 0

[5/31/2024 13:11:04] Midpoint = 0

[5/31/2024 13:11:04] --------------------------------------------------------------------

[5/31/2024 13:11:04]

[5/31/2024 13:11:04] Processing Initial Link Flows...

[5/31/2024 13:11:04] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 13:11:04] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-01 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:05] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:06] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:06] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:06] Node N-BTW-23 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:06] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:06] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:06] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:07] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 13:11:56] Node N-BTW-07B caused a revert (this will only be logged once per node)

[5/31/2024 13:12:07] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:08] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:12] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:16] Node N-BTW-09B caused a revert (this will only be logged once per node)

[5/31/2024 13:12:16] Node N-BTW-09 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:17] Node N-BTW-08B caused a revert (this will only be logged once per node)

[5/31/2024 13:12:17] Node N-BTW-08 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:46] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 13:12:47] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 13:12:51] Conduit Optimizer Total Count=15810138 of 19413072

[5/31/2024 13:12:51] PC busted 137 of 320957

[5/31/2024 13:12:51] Average Iterations was 1.160

[5/31/2024 13:12:51] Average dt was 0.56568 sec

[5/31/2024 13:12:52] Revert count=15437

[5/31/2024 13:12:52]

[5/31/2024 13:12:52] ---- Timers -----------------------------

[5/31/2024 13:12:52] Total Time=107.135 sec

[5/31/2024 13:12:52] Basin Time=0.012 sec

[5/31/2024 13:12:52] BasinPoly Time=0.005 sec

[5/31/2024 13:12:52] Node Time=3.004 sec

[5/31/2024 13:12:52] Link Time=96.433 sec

[5/31/2024 13:12:52] Hydrology Output Time=1.615 sec

[5/31/2024 13:12:52] Groundwater Output Time=0.001 sec

[5/31/2024 13:12:52] Routing Output Time=2.647 sec

[5/31/2024 13:12:52] --- Thread Timers --------------------

[5/31/2024 13:12:52] Thread[0] Basin Time=0.005 sec

[5/31/2024 13:12:52] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 13:12:52] Thread[0] Node Time=0.412 sec

[5/31/2024 13:12:52] Thread[0] Link Time=43.254 sec

[5/31/2024 13:12:52] --- Thread Timers --------------------

[5/31/2024 13:12:52] Thread[1] Basin Time=0.006 sec

[5/31/2024 13:12:52] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 13:12:52] Thread[1] Node Time=0.467 sec

[5/31/2024 13:12:52] Thread[1] Link Time=48.663 sec

[5/31/2024 13:12:52] --- Thread Timers --------------------

[5/31/2024 13:12:52] Thread[2] Basin Time=0.008 sec

[5/31/2024 13:12:52] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 13:12:52] Thread[2] Node Time=0.478 sec

[5/31/2024 13:12:52] Thread[2] Link Time=50.709 sec

[5/31/2024 13:12:52] --- Thread Timers --------------------

[5/31/2024 13:12:52] Thread[3] Basin Time=0.006 sec

[5/31/2024 13:12:52] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 13:12:52] Thread[3] Node Time=0.471 sec

[5/31/2024 13:12:53] Thread[3] Link Time=51.230 sec

[5/31/2024 13:12:53] --- Thread Timers --------------------

[5/31/2024 13:12:53] Thread[4] Basin Time=0.010 sec

[5/31/2024 13:12:53] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 13:12:53] Thread[4] Node Time=0.462 sec

[5/31/2024 13:12:53] Thread[4] Link Time=70.420 sec

[5/31/2024 13:12:53] --- Thread Timers --------------------

[5/31/2024 13:12:53] Thread[5] Basin Time=0.006 sec

[5/31/2024 13:12:53] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 13:12:53] Thread[5] Node Time=0.494 sec

[5/31/2024 13:12:53] Thread[5] Link Time=10.718 sec

[5/31/2024 13:12:53] --- Thread Timers --------------------

[5/31/2024 13:12:53] Thread[6] Basin Time=0.005 sec

[5/31/2024 13:12:53] Thread[6] BasinPoly Time=0.001 sec

[5/31/2024 13:12:54] Thread[6] Node Time=0.505 sec

[5/31/2024 13:12:54] Thread[6] Link Time=5.113 sec

[5/31/2024 13:12:55] --- Thread Timers --------------------

[5/31/2024 13:12:55] Thread[7] Basin Time=0.006 sec

[5/31/2024 13:12:55] Thread[7] BasinPoly Time=0.001 sec

[5/31/2024 13:12:55] Thread[7] Node Time=0.480 sec

[5/31/2024 13:12:55] Thread[7] Link Time=50.148 sec

[5/31/2024 13:12:55] --- Thread Timers --------------------

[5/31/2024 13:12:55] Thread[8] Basin Time=0.006 sec

[5/31/2024 13:12:56] Thread[8] BasinPoly Time=0.001 sec

[5/31/2024 13:12:56] Thread[8] Node Time=0.433 sec

[5/31/2024 13:12:56] Thread[8] Link Time=17.388 sec

[5/31/2024 13:12:56] --- Thread Timers --------------------

[5/31/2024 13:12:56] Thread[9] Basin Time=0.003 sec

[5/31/2024 13:12:56] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 13:12:56] Thread[9] Node Time=0.430 sec

[5/31/2024 13:12:56] Thread[9] Link Time=16.366 sec

[5/31/2024 13:12:56] --- Thread Timers --------------------

[5/31/2024 13:12:56] Thread[10] Basin Time=0.003 sec

[5/31/2024 13:12:56] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 13:12:56] Thread[10] Node Time=0.425 sec

[5/31/2024 13:12:56] Thread[10] Link Time=46.408 sec

[5/31/2024 13:12:56] --- Thread Timers --------------------

[5/31/2024 13:12:57] Thread[11] Basin Time=0.003 sec

[5/31/2024 13:12:57] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 13:12:57] Thread[11] Node Time=0.464 sec

[5/31/2024 13:12:57] Thread[11] Link Time=4.243 sec

[5/31/2024 13:12:57] --- Thread Timers --------------------

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

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

[5/31/2024 13:12:57] Thread[12] Node Time=0.464 sec

[5/31/2024 13:12:57] Thread[12] Link Time=2.685 sec

[5/31/2024 13:12:57] --- Thread Timers --------------------

[5/31/2024 13:12:57] Thread[13] Basin Time=0.003 sec

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

[5/31/2024 13:12:58] Thread[13] Node Time=0.430 sec

[5/31/2024 13:12:58] Thread[13] Link Time=4.650 sec

[5/31/2024 13:12:58] --- Thread Timers --------------------

[5/31/2024 13:12:58] Thread[14] Basin Time=0.003 sec

[5/31/2024 13:12:58] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 13:12:58] Thread[14] Node Time=0.442 sec

[5/31/2024 13:12:58] Thread[14] Link Time=4.595 sec

[5/31/2024 13:12:58] --- Thread Timers --------------------

[5/31/2024 13:12:58] Thread[15] Basin Time=0.003 sec

[5/31/2024 13:12:58] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 13:12:58] Thread[15] Node Time=0.370 sec

[5/31/2024 13:12:58] Thread[15] Link Time=7.348 sec

[5/31/2024 13:12:58] --- Thread Timers --------------------

[5/31/2024 13:12:59] Thread[16] Basin Time=0.003 sec

[5/31/2024 13:12:59] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 13:12:59] Thread[16] Node Time=0.425 sec

[5/31/2024 13:12:59] Thread[16] Link Time=6.998 sec

[5/31/2024 13:12:59] --- Thread Timers --------------------

[5/31/2024 13:12:59] Thread[17] Basin Time=0.003 sec

[5/31/2024 13:12:59] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 13:12:59] Thread[17] Node Time=0.301 sec

[5/31/2024 13:12:59] Thread[17] Link Time=2.845 sec

[5/31/2024 13:12:59] --- Thread Timers --------------------

[5/31/2024 13:12:59] Thread[18] Basin Time=0.003 sec

[5/31/2024 13:12:59] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 13:12:59] Thread[18] Node Time=0.336 sec

[5/31/2024 13:13:00] Thread[18] Link Time=26.771 sec