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

 threads=-1

 batch=8 of 24

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

 nextsim=C:\Work Space\buttonwood\Scenarios\Sc1\Simulations\Si23\

[5/31/2024 12:45:59] C:\Work Space\buttonwood\Scenarios\Sc1\Simulations\Si31\echo.i4p

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

[5/31/2024 12:45:59] Simulation=25YR24HR-2.36

[5/31/2024 12:45:59] RunMode=0

[5/31/2024 12:45:59] HotStart=0

[5/31/2024 12:45:59] SaveRestart=0

[5/31/2024 12:45:59] StartYear=0

[5/31/2024 12:45:59] StartMonth=0

[5/31/2024 12:45:59] StartDay=0

[5/31/2024 12:45:59] StartHour=0.000

[5/31/2024 12:45:59] EndYear=0

[5/31/2024 12:45:59] EndMonth=0

[5/31/2024 12:45:59] EndDay=0

[5/31/2024 12:45:59] EndHour=48.000

[5/31/2024 12:45:59] HotstartYear=0

[5/31/2024 12:45:59] HotstartMonth=0

[5/31/2024 12:45:59] HotstartDay=0

[5/31/2024 12:45:59] HotstartHour=0.000

[5/31/2024 12:46:00] MinCalc\_Hydrology=60.000

[5/31/2024 12:46:00] MinCalc\_Hydraulics=0.100

[5/31/2024 12:46:00] MaxCalc\_Hydraulics=30.000

[5/31/2024 12:46:00] MinCalc\_Groundwater=900.000

[5/31/2024 12:46:00] RainfallSet=

[5/31/2024 12:46:00] RefETSet=

[5/31/2024 12:46:00] UnitHydSet=

[5/31/2024 12:46:00] BndStageSet=25YR24HR-2.36

[5/31/2024 12:46:00] ExHydSet=

[5/31/2024 12:46:00] CurveNumSet=

[5/31/2024 12:46:00] GreenAmptSet=

[5/31/2024 12:46:00] VertLayerSet=

[5/31/2024 12:46:00] ImpervSet=

[5/31/2024 12:46:00] RoughnessSet=

[5/31/2024 12:46:00] CropCoefSet=

[5/31/2024 12:46:00] PorosSet=

[5/31/2024 12:46:00] ConductSet=

[5/31/2024 12:46:00] LeakageSet=

[5/31/2024 12:46:00] TimeMarching=0

[5/31/2024 12:46:00] MaxIterations=6

[5/31/2024 12:46:00] OverRelaxWeightFactor=0.500

[5/31/2024 12:46:00] dZTolerance=0.001

[5/31/2024 12:46:00] MaxdZ=1.500

[5/31/2024 12:46:00] LinkOptTol=0.000

[5/31/2024 12:46:00] EdgeLengthOpt=0

[5/31/2024 12:46:00] EdgeLengthFactor=0.667

[5/31/2024 12:46:00] DefaultDampThresh2d=0.005

[5/31/2024 12:46:00] MinSurfArea2d=100.000

[5/31/2024 12:46:00] EnergySwitch2d=1

[5/31/2024 12:46:00] IaTime=24.000

[5/31/2024 12:46:00] IncludeETManBasns=0

[5/31/2024 12:46:00] VertLayerSoln=0

[5/31/2024 12:46:00] RainOptManBasns=1

[5/31/2024 12:46:00] RainOptOF=1

[5/31/2024 12:46:00] RainName=~FLMOD

[5/31/2024 12:46:00] RainAmount=8.880

[5/31/2024 12:46:00] StormDur=24.000

[5/31/2024 12:46:00] DefaultDampThresh1D=0.005

[5/31/2024 12:46:00] MinNodeSurfArea1D=100.000

[5/31/2024 12:46:00] EnergySwitch1D=1

[5/31/2024 12:46:00] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 12:46:01] 19 threads [20 cores detected]

[5/31/2024 12:46:01] SolutionMethod=SAOR

[5/31/2024 12:46:01] No \_ET.TXT

[5/31/2024 12:46:01] No \_EV.TXT

[5/31/2024 12:46:01] Reading Operating Tables

[5/31/2024 12:46:01] Reading Cross Sections

[5/31/2024 12:46:01] Reading 1D Nodes

[5/31/2024 12:46:01] Reading Overland Flow Nodes

[5/31/2024 12:46:01] Reading 1D Channels

[5/31/2024 12:46:01] Setting up channel ghost nodes

[5/31/2024 12:46:01] Reading Pipes

[5/31/2024 12:46:01] Reading Rating Curves

[5/31/2024 12:46:01] Reading Weirs

[5/31/2024 12:46:01] Reading Drop Structures

[5/31/2024 12:46:01] Reading Breaches

[5/31/2024 12:46:01] Reading Percs

[5/31/2024 12:46:01] Reading Overland Flow Channels

[5/31/2024 12:46:02] Reading Overland Flow Weirs

[5/31/2024 12:46:02] Setting up ghost nodes

[5/31/2024 12:46:02] Reading Manual Basins

[5/31/2024 12:46:02] Reading Overland Flow Basins

[5/31/2024 12:46:02] Sorting basins

[5/31/2024 12:46:02] Reading Basin Features

[5/31/2024 12:46:02] Reading Groundwater

[5/31/2024 12:46:02] Initializing threads

[5/31/2024 12:46:02] Build Complete

[5/31/2024 12:46:02] Total basin area=47.340

[5/31/2024 12:46:02] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 12:46:02]

[5/31/2024 12:46:02] --- Hydrology Counts -----------------------------------------------

[5/31/2024 12:46:02] Total Basin = 28

[5/31/2024 12:46:02] Direct Basin = 0

[5/31/2024 12:46:02] Manual NRCS Basin = 0

[5/31/2024 12:46:02] Manual SB Basin = 0

[5/31/2024 12:46:02] Mapped NRCS Basin = 0

[5/31/2024 12:46:02] Mapped SB Basin = 0

[5/31/2024 12:46:02] Simple NRCS Basin = 28

[5/31/2024 12:46:03] Simple SB Basin = 0

[5/31/2024 12:46:03] Total Basin Polygon = 28

[5/31/2024 12:46:03] Manual Basin Polygon = 0

[5/31/2024 12:46:03] Mapped Basin Polygon = 0

[5/31/2024 12:46:03] 2D Basin Polygon = 0

[5/31/2024 12:46:03] Crop = 0

[5/31/2024 12:46:03] Reference ET = 0

[5/31/2024 12:46:03] Rainfall = 1

[5/31/2024 12:46:03] Green Ampt Parameter = 0

[5/31/2024 12:46:03] Vert Layer Parameter = 0

[5/31/2024 12:46:03] Curve Number Parameter = 29

[5/31/2024 12:46:03] Imperviousness = 29

[5/31/2024 12:46:03]

[5/31/2024 12:46:03] --- Routing Counts -------------------------------------------------

[5/31/2024 12:46:03] Region = 0

[5/31/2024 12:46:03] Total Node = 54

[5/31/2024 12:46:03] 1D Stage Area = 52

[5/31/2024 12:46:03] 1D Time Stage = 2

[5/31/2024 12:46:03] 1D Drop Nodes = 0

[5/31/2024 12:46:03] 2D Stage Area = 0

[5/31/2024 12:46:04] 2D Time Stage = 0

[5/31/2024 12:46:04] 2D Pond Ghost = 0

[5/31/2024 12:46:04] 2D Chan Ghost = 0

[5/31/2024 12:46:04] 1D/2D Node Interfaces = 0

[5/31/2024 12:46:04] 1D/2D Injection Wells = 0

[5/31/2024 12:46:04] Total Link = 85

[5/31/2024 12:46:04] 1D Pipe = 26

[5/31/2024 12:46:04] 1D Drop Structure = 1

[5/31/2024 12:46:04] 1D French Drain = 0

[5/31/2024 12:46:04] 1D Channel = 2

[5/31/2024 12:46:04] 2D Channel = 0

[5/31/2024 12:46:04] 1D Weir = 54

[5/31/2024 12:46:04] 1D Drop Weir = 2

[5/31/2024 12:46:04] 2D Weir = 0

[5/31/2024 12:46:04] 1D Rating Curve = 0

[5/31/2024 12:46:04] 1D Percolation = 0

[5/31/2024 12:46:04] Cross Section = 36

[5/31/2024 12:46:04] Operating Table = 0

[5/31/2024 12:46:04]

[5/31/2024 12:46:04] --- Groundwater Counts ---------------------------------------------

[5/31/2024 12:46:05] Region = 0

[5/31/2024 12:46:05] Triangle = 0

[5/31/2024 12:46:05] Vertex = 0

[5/31/2024 12:46:05] Midpoint = 0

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

[5/31/2024 12:46:05]

[5/31/2024 12:46:05] Processing Initial Link Flows...

[5/31/2024 12:46:05] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 12:46:05] Node N-BTW-01 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:05] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:05] Node N-BTW-08 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:05] Node N-BTW-11 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:05] Node N-BTW-12 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:05] Node N-BTW-15 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:05] Node N-BTW-10 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:05] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:06] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:06] Node N-BTW-09 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:06] Node N-BTW-10B caused a revert (this will only be logged once per node)

[5/31/2024 12:46:06] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:06] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:06] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:06] Node N-BTW-08B caused a revert (this will only be logged once per node)

[5/31/2024 12:46:08] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:08] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:09] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:09] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:09] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 12:46:09] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:10] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:10] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:11] Node N-BTW-19B caused a revert (this will only be logged once per node)

[5/31/2024 12:46:12] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 12:46:12] Node N-BTW-26B caused a revert (this will only be logged once per node)

[5/31/2024 12:46:12] Node N-BTW-25B caused a revert (this will only be logged once per node)

[5/31/2024 12:46:12] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 12:47:38] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 12:48:45] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 12:48:45] Node N-BTW-18B caused a revert (this will only be logged once per node)

[5/31/2024 12:48:48] Node N-BTW-17B caused a revert (this will only be logged once per node)

[5/31/2024 12:48:50] Node N-BTW-20B caused a revert (this will only be logged once per node)

[5/31/2024 12:48:51] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 12:48:52] Conduit Optimizer Total Count=25830814 of 31526908

[5/31/2024 12:48:52] PC busted 344 of 491937

[5/31/2024 12:48:53] Average Iterations was 1.289

[5/31/2024 12:48:53] Average dt was 0.36867 sec

[5/31/2024 12:48:53] Revert count=23211

[5/31/2024 12:48:53]

[5/31/2024 12:48:53] ---- Timers -----------------------------

[5/31/2024 12:48:53] Total Time=167.617 sec

[5/31/2024 12:48:53] Basin Time=0.015 sec

[5/31/2024 12:48:53] BasinPoly Time=0.010 sec

[5/31/2024 12:48:53] Node Time=5.457 sec

[5/31/2024 12:48:53] Link Time=155.133 sec

[5/31/2024 12:48:53] Hydrology Output Time=2.099 sec

[5/31/2024 12:48:53] Groundwater Output Time=0.002 sec

[5/31/2024 12:48:53] Routing Output Time=1.363 sec

[5/31/2024 12:48:53] --- Thread Timers --------------------

[5/31/2024 12:48:53] Thread[0] Basin Time=0.006 sec

[5/31/2024 12:48:53] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 12:48:53] Thread[0] Node Time=0.652 sec

[5/31/2024 12:48:53] Thread[0] Link Time=75.173 sec

[5/31/2024 12:48:53] --- Thread Timers --------------------

[5/31/2024 12:48:53] Thread[1] Basin Time=0.006 sec

[5/31/2024 12:48:53] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 12:48:53] Thread[1] Node Time=0.778 sec

[5/31/2024 12:48:53] Thread[1] Link Time=70.093 sec

[5/31/2024 12:48:53] --- Thread Timers --------------------

[5/31/2024 12:48:53] Thread[2] Basin Time=0.009 sec

[5/31/2024 12:48:53] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 12:48:53] Thread[2] Node Time=0.779 sec

[5/31/2024 12:48:53] Thread[2] Link Time=73.515 sec

[5/31/2024 12:48:53] --- Thread Timers --------------------

[5/31/2024 12:48:53] Thread[3] Basin Time=0.006 sec

[5/31/2024 12:48:54] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 12:48:54] Thread[3] Node Time=0.757 sec

[5/31/2024 12:48:54] Thread[3] Link Time=107.169 sec

[5/31/2024 12:48:54] --- Thread Timers --------------------

[5/31/2024 12:48:54] Thread[4] Basin Time=0.011 sec

[5/31/2024 12:48:54] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 12:48:54] Thread[4] Node Time=0.723 sec

[5/31/2024 12:48:54] Thread[4] Link Time=4.705 sec

[5/31/2024 12:48:54] --- Thread Timers --------------------

[5/31/2024 12:48:54] Thread[5] Basin Time=0.007 sec

[5/31/2024 12:48:54] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 12:48:54] Thread[5] Node Time=0.840 sec

[5/31/2024 12:48:54] Thread[5] Link Time=5.946 sec

[5/31/2024 12:48:54] --- Thread Timers --------------------

[5/31/2024 12:48:54] Thread[6] Basin Time=0.006 sec

[5/31/2024 12:48:54] Thread[6] BasinPoly Time=0.002 sec

[5/31/2024 12:48:54] Thread[6] Node Time=0.813 sec

[5/31/2024 12:48:54] Thread[6] Link Time=91.725 sec

[5/31/2024 12:48:54] --- Thread Timers --------------------

[5/31/2024 12:48:54] Thread[7] Basin Time=0.007 sec

[5/31/2024 12:48:54] Thread[7] BasinPoly Time=0.002 sec

[5/31/2024 12:48:55] Thread[7] Node Time=0.812 sec

[5/31/2024 12:48:55] Thread[7] Link Time=32.706 sec

[5/31/2024 12:48:55] --- Thread Timers --------------------

[5/31/2024 12:48:55] Thread[8] Basin Time=0.006 sec

[5/31/2024 12:48:55] Thread[8] BasinPoly Time=0.002 sec

[5/31/2024 12:48:55] Thread[8] Node Time=0.714 sec

[5/31/2024 12:48:55] Thread[8] Link Time=21.429 sec

[5/31/2024 12:48:55] --- Thread Timers --------------------

[5/31/2024 12:48:56] Thread[9] Basin Time=0.003 sec

[5/31/2024 12:48:56] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 12:48:56] Thread[9] Node Time=0.731 sec

[5/31/2024 12:48:56] Thread[9] Link Time=80.773 sec

[5/31/2024 12:48:56] --- Thread Timers --------------------

[5/31/2024 12:48:56] Thread[10] Basin Time=0.003 sec

[5/31/2024 12:48:56] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 12:48:56] Thread[10] Node Time=0.703 sec

[5/31/2024 12:48:56] Thread[10] Link Time=58.259 sec

[5/31/2024 12:48:56] --- Thread Timers --------------------

[5/31/2024 12:48:56] Thread[11] Basin Time=0.004 sec

[5/31/2024 12:48:56] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 12:48:57] Thread[11] Node Time=0.749 sec

[5/31/2024 12:48:57] Thread[11] Link Time=37.703 sec

[5/31/2024 12:48:57] --- Thread Timers --------------------

[5/31/2024 12:48:57] Thread[12] Basin Time=0.004 sec

[5/31/2024 12:48:57] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 12:48:57] Thread[12] Node Time=0.730 sec

[5/31/2024 12:48:57] Thread[12] Link Time=3.655 sec

[5/31/2024 12:48:57] --- Thread Timers --------------------

[5/31/2024 12:48:57] Thread[13] Basin Time=0.003 sec

[5/31/2024 12:48:57] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 12:48:58] Thread[13] Node Time=0.707 sec

[5/31/2024 12:48:58] Thread[13] Link Time=4.956 sec

[5/31/2024 12:48:58] --- Thread Timers --------------------

[5/31/2024 12:48:58] Thread[14] Basin Time=0.004 sec

[5/31/2024 12:48:58] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 12:48:58] Thread[14] Node Time=0.701 sec

[5/31/2024 12:48:58] Thread[14] Link Time=5.161 sec

[5/31/2024 12:48:58] --- Thread Timers --------------------

[5/31/2024 12:48:58] Thread[15] Basin Time=0.003 sec

[5/31/2024 12:48:58] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 12:48:58] Thread[15] Node Time=0.610 sec

[5/31/2024 12:48:59] Thread[15] Link Time=6.539 sec

[5/31/2024 12:48:59] --- Thread Timers --------------------

[5/31/2024 12:48:59] Thread[16] Basin Time=0.003 sec

[5/31/2024 12:48:59] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 12:48:59] Thread[16] Node Time=0.566 sec

[5/31/2024 12:48:59] Thread[16] Link Time=8.439 sec

[5/31/2024 12:49:00] --- Thread Timers --------------------

[5/31/2024 12:49:00] Thread[17] Basin Time=0.003 sec

[5/31/2024 12:49:00] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 12:49:00] Thread[17] Node Time=0.475 sec

[5/31/2024 12:49:00] Thread[17] Link Time=9.146 sec

[5/31/2024 12:49:00] --- Thread Timers --------------------

[5/31/2024 12:49:00] Thread[18] Basin Time=0.003 sec

[5/31/2024 12:49:00] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 12:49:01] Thread[18] Node Time=0.549 sec

[5/31/2024 12:49:01] Thread[18] Link Time=60.901 sec