[5/31/2024 13:05:53]

 threads=-1

 batch=16 of 24

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

 nextsim=C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si21\

[5/31/2024 13:05:53] C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si34\echo.i4p

[5/31/2024 13:05:53] Reading Simulation

[5/31/2024 13:05:53] Simulation=10YR24HR-2.36

[5/31/2024 13:05:53] RunMode=0

[5/31/2024 13:05:53] HotStart=0

[5/31/2024 13:05:53] SaveRestart=0

[5/31/2024 13:05:53] StartYear=0

[5/31/2024 13:05:53] StartMonth=0

[5/31/2024 13:05:53] StartDay=0

[5/31/2024 13:05:53] StartHour=0.000

[5/31/2024 13:05:53] EndYear=0

[5/31/2024 13:05:53] EndMonth=0

[5/31/2024 13:05:53] EndDay=0

[5/31/2024 13:05:53] EndHour=48.000

[5/31/2024 13:05:53] HotstartYear=0

[5/31/2024 13:05:53] HotstartMonth=0

[5/31/2024 13:05:53] HotstartDay=0

[5/31/2024 13:05:53] HotstartHour=0.000

[5/31/2024 13:05:53] MinCalc\_Hydrology=60.000

[5/31/2024 13:05:53] MinCalc\_Hydraulics=0.100

[5/31/2024 13:05:53] MaxCalc\_Hydraulics=30.000

[5/31/2024 13:05:53] MinCalc\_Groundwater=900.000

[5/31/2024 13:05:53] RainfallSet=

[5/31/2024 13:05:53] RefETSet=

[5/31/2024 13:05:53] UnitHydSet=

[5/31/2024 13:05:54] BndStageSet=25YR24HR-2.36

[5/31/2024 13:05:54] ExHydSet=

[5/31/2024 13:05:54] CurveNumSet=

[5/31/2024 13:05:54] GreenAmptSet=

[5/31/2024 13:05:54] VertLayerSet=

[5/31/2024 13:05:54] ImpervSet=

[5/31/2024 13:05:54] RoughnessSet=

[5/31/2024 13:05:54] CropCoefSet=

[5/31/2024 13:05:54] PorosSet=

[5/31/2024 13:05:54] ConductSet=

[5/31/2024 13:05:54] LeakageSet=

[5/31/2024 13:05:54] TimeMarching=0

[5/31/2024 13:05:54] MaxIterations=6

[5/31/2024 13:05:54] OverRelaxWeightFactor=0.500

[5/31/2024 13:05:54] dZTolerance=0.001

[5/31/2024 13:05:54] MaxdZ=1.500

[5/31/2024 13:05:54] LinkOptTol=0.000

[5/31/2024 13:05:54] EdgeLengthOpt=0

[5/31/2024 13:05:54] EdgeLengthFactor=0.667

[5/31/2024 13:05:54] DefaultDampThresh2d=0.005

[5/31/2024 13:05:54] MinSurfArea2d=100.000

[5/31/2024 13:05:54] EnergySwitch2d=1

[5/31/2024 13:05:54] IaTime=24.000

[5/31/2024 13:05:54] IncludeETManBasns=0

[5/31/2024 13:05:54] VertLayerSoln=0

[5/31/2024 13:05:54] RainOptManBasns=1

[5/31/2024 13:05:54] RainOptOF=1

[5/31/2024 13:05:54] RainName=~FLMOD

[5/31/2024 13:05:54] RainAmount=7.060

[5/31/2024 13:05:54] StormDur=24.000

[5/31/2024 13:05:54] DefaultDampThresh1D=0.005

[5/31/2024 13:05:54] MinNodeSurfArea1D=100.000

[5/31/2024 13:05:54] EnergySwitch1D=1

[5/31/2024 13:05:54] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 13:05:54] 19 threads [20 cores detected]

[5/31/2024 13:05:54] SolutionMethod=SAOR

[5/31/2024 13:05:54] No \_ET.TXT

[5/31/2024 13:05:54] No \_EV.TXT

[5/31/2024 13:05:54] Reading Operating Tables

[5/31/2024 13:05:55] Reading Cross Sections

[5/31/2024 13:05:55] Reading 1D Nodes

[5/31/2024 13:05:56] Reading Overland Flow Nodes

[5/31/2024 13:05:56] Reading 1D Channels

[5/31/2024 13:05:56] Setting up channel ghost nodes

[5/31/2024 13:05:56] Reading Pipes

[5/31/2024 13:05:56] Reading Rating Curves

[5/31/2024 13:05:56] Reading Weirs

[5/31/2024 13:05:56] Reading Drop Structures

[5/31/2024 13:05:56] Reading Breaches

[5/31/2024 13:05:56] Reading Percs

[5/31/2024 13:05:56] Reading Overland Flow Channels

[5/31/2024 13:05:56] Reading Overland Flow Weirs

[5/31/2024 13:05:56] Setting up ghost nodes

[5/31/2024 13:05:56] Reading Manual Basins

[5/31/2024 13:05:56] Reading Overland Flow Basins

[5/31/2024 13:05:56] Sorting basins

[5/31/2024 13:05:56] Reading Basin Features

[5/31/2024 13:05:56] Reading Groundwater

[5/31/2024 13:05:56] Initializing threads

[5/31/2024 13:05:56] Build Complete

[5/31/2024 13:05:57] Total basin area=47.340

[5/31/2024 13:05:57] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 13:05:57]

[5/31/2024 13:05:57] --- Hydrology Counts -----------------------------------------------

[5/31/2024 13:05:57] Total Basin = 28

[5/31/2024 13:05:57] Direct Basin = 0

[5/31/2024 13:05:57] Manual NRCS Basin = 0

[5/31/2024 13:05:57] Manual SB Basin = 0

[5/31/2024 13:05:57] Mapped NRCS Basin = 0

[5/31/2024 13:05:57] Mapped SB Basin = 0

[5/31/2024 13:05:57] Simple NRCS Basin = 28

[5/31/2024 13:05:57] Simple SB Basin = 0

[5/31/2024 13:05:57] Total Basin Polygon = 28

[5/31/2024 13:05:57] Manual Basin Polygon = 0

[5/31/2024 13:05:57] Mapped Basin Polygon = 0

[5/31/2024 13:05:57] 2D Basin Polygon = 0

[5/31/2024 13:05:57] Crop = 0

[5/31/2024 13:05:57] Reference ET = 0

[5/31/2024 13:05:58] Rainfall = 1

[5/31/2024 13:05:58] Green Ampt Parameter = 0

[5/31/2024 13:05:58] Vert Layer Parameter = 0

[5/31/2024 13:05:58] Curve Number Parameter = 29

[5/31/2024 13:05:58] Imperviousness = 29

[5/31/2024 13:05:58]

[5/31/2024 13:05:58] --- Routing Counts -------------------------------------------------

[5/31/2024 13:05:58] Region = 0

[5/31/2024 13:05:58] Total Node = 55

[5/31/2024 13:05:58] 1D Stage Area = 52

[5/31/2024 13:05:58] 1D Time Stage = 3

[5/31/2024 13:05:58] 1D Drop Nodes = 0

[5/31/2024 13:05:58] 2D Stage Area = 0

[5/31/2024 13:05:58] 2D Time Stage = 0

[5/31/2024 13:05:58] 2D Pond Ghost = 0

[5/31/2024 13:05:58] 2D Chan Ghost = 0

[5/31/2024 13:05:58] 1D/2D Node Interfaces = 0

[5/31/2024 13:05:58] 1D/2D Injection Wells = 0

[5/31/2024 13:05:59] Total Link = 86

[5/31/2024 13:05:59] 1D Pipe = 27

[5/31/2024 13:05:59] 1D Drop Structure = 1

[5/31/2024 13:05:59] 1D French Drain = 0

[5/31/2024 13:05:59] 1D Channel = 2

[5/31/2024 13:05:59] 2D Channel = 0

[5/31/2024 13:05:59] 1D Weir = 54

[5/31/2024 13:05:59] 1D Drop Weir = 2

[5/31/2024 13:05:59] 2D Weir = 0

[5/31/2024 13:05:59] 1D Rating Curve = 0

[5/31/2024 13:05:59] 1D Percolation = 0

[5/31/2024 13:05:59] Cross Section = 36

[5/31/2024 13:06:00] Operating Table = 0

[5/31/2024 13:06:00]

[5/31/2024 13:06:00] --- Groundwater Counts ---------------------------------------------

[5/31/2024 13:06:00] Region = 0

[5/31/2024 13:06:00] Triangle = 0

[5/31/2024 13:06:00] Vertex = 0

[5/31/2024 13:06:00] Midpoint = 0

[5/31/2024 13:06:00] --------------------------------------------------------------------

[5/31/2024 13:06:00]

[5/31/2024 13:06:00] Processing Initial Link Flows...

[5/31/2024 13:06:00] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 13:06:01] Node N-BTW-11 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:01] Node N-BTW-12 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:01] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:01] Node N-BTW-10 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:01] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:01] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:01] Node N-BTW-23 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:01] Node N-BTW-10B caused a revert (this will only be logged once per node)

[5/31/2024 13:06:03] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 13:06:04] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:04] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:04] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:04] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:04] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:04] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:05] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 13:06:05] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:02] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:05] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:09] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:47] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:47] Node N-BTW-01 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:48] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:48] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:49] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:49] Node N-BTW-01B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:49] Node N-BTW-26B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:49] Node N-BTW-27B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:49] Node N-BTW-18B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:49] Node N-BTW-19B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:49] Node N-BTW-20B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:50] Node N-BTW-25B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:50] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 13:07:50] Node N-BTW-16B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:50] Node N-BTW-17B caused a revert (this will only be logged once per node)

[5/31/2024 13:07:50] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:53] Node N-BTW-13 caused a revert (this will only be logged once per node)

[5/31/2024 13:07:56] Node N-BTW-15A caused a revert (this will only be logged once per node)

[5/31/2024 13:07:57] Conduit Optimizer Total Count=20168722 of 23697268

[5/31/2024 13:07:57] PC busted 283 of 376585

[5/31/2024 13:07:57] Average Iterations was 1.247

[5/31/2024 13:07:57] Average dt was 0.48182 sec

[5/31/2024 13:07:57] Revert count=17941

[5/31/2024 13:07:57]

[5/31/2024 13:07:57] ---- Timers -----------------------------

[5/31/2024 13:07:57] Total Time=116.839 sec

[5/31/2024 13:07:57] Basin Time=0.012 sec

[5/31/2024 13:07:57] BasinPoly Time=0.014 sec

[5/31/2024 13:07:57] Node Time=5.786 sec

[5/31/2024 13:07:57] Link Time=103.336 sec

[5/31/2024 13:07:57] Hydrology Output Time=2.030 sec

[5/31/2024 13:07:57] Groundwater Output Time=0.001 sec

[5/31/2024 13:07:57] Routing Output Time=2.146 sec

[5/31/2024 13:07:57] --- Thread Timers --------------------

[5/31/2024 13:07:57] Thread[0] Basin Time=0.005 sec

[5/31/2024 13:07:57] Thread[0] BasinPoly Time=0.002 sec

[5/31/2024 13:07:58] Thread[0] Node Time=0.498 sec

[5/31/2024 13:07:58] Thread[0] Link Time=43.195 sec

[5/31/2024 13:07:58] --- Thread Timers --------------------

[5/31/2024 13:07:58] Thread[1] Basin Time=0.006 sec

[5/31/2024 13:07:58] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 13:07:58] Thread[1] Node Time=0.583 sec

[5/31/2024 13:07:58] Thread[1] Link Time=52.287 sec

[5/31/2024 13:07:58] --- Thread Timers --------------------

[5/31/2024 13:07:58] Thread[2] Basin Time=0.008 sec

[5/31/2024 13:07:58] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 13:07:58] Thread[2] Node Time=0.579 sec

[5/31/2024 13:07:58] Thread[2] Link Time=51.702 sec

[5/31/2024 13:07:58] --- Thread Timers --------------------

[5/31/2024 13:07:58] Thread[3] Basin Time=0.006 sec

[5/31/2024 13:07:58] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 13:07:58] Thread[3] Node Time=0.582 sec

[5/31/2024 13:07:58] Thread[3] Link Time=49.944 sec

[5/31/2024 13:07:58] --- Thread Timers --------------------

[5/31/2024 13:07:58] Thread[4] Basin Time=0.009 sec

[5/31/2024 13:07:58] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 13:07:58] Thread[4] Node Time=0.566 sec

[5/31/2024 13:07:58] Thread[4] Link Time=58.145 sec

[5/31/2024 13:07:58] --- Thread Timers --------------------

[5/31/2024 13:07:58] Thread[5] Basin Time=0.006 sec

[5/31/2024 13:07:58] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 13:07:58] Thread[5] Node Time=0.581 sec

[5/31/2024 13:07:58] Thread[5] Link Time=2.163 sec

[5/31/2024 13:07:58] --- Thread Timers --------------------

[5/31/2024 13:07:59] Thread[6] Basin Time=0.005 sec

[5/31/2024 13:07:59] Thread[6] BasinPoly Time=0.001 sec

[5/31/2024 13:07:59] Thread[6] Node Time=0.642 sec

[5/31/2024 13:07:59] Thread[6] Link Time=4.854 sec

[5/31/2024 13:07:59] --- Thread Timers --------------------

[5/31/2024 13:07:59] Thread[7] Basin Time=0.007 sec

[5/31/2024 13:07:59] Thread[7] BasinPoly Time=0.001 sec

[5/31/2024 13:07:59] Thread[7] Node Time=2.156 sec

[5/31/2024 13:07:59] Thread[7] Link Time=57.466 sec

[5/31/2024 13:07:59] --- Thread Timers --------------------

[5/31/2024 13:07:59] Thread[8] Basin Time=0.005 sec

[5/31/2024 13:07:59] Thread[8] BasinPoly Time=0.001 sec

[5/31/2024 13:07:59] Thread[8] Node Time=0.541 sec

[5/31/2024 13:08:00] Thread[8] Link Time=18.930 sec

[5/31/2024 13:08:00] --- Thread Timers --------------------

[5/31/2024 13:08:00] Thread[9] Basin Time=0.003 sec

[5/31/2024 13:08:00] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 13:08:00] Thread[9] Node Time=0.551 sec

[5/31/2024 13:08:00] Thread[9] Link Time=13.923 sec

[5/31/2024 13:08:00] --- Thread Timers --------------------

[5/31/2024 13:08:00] Thread[10] Basin Time=0.003 sec

[5/31/2024 13:08:00] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 13:08:00] Thread[10] Node Time=0.526 sec

[5/31/2024 13:08:01] Thread[10] Link Time=56.880 sec

[5/31/2024 13:08:01] --- Thread Timers --------------------

[5/31/2024 13:08:01] Thread[11] Basin Time=0.003 sec

[5/31/2024 13:08:01] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 13:08:01] Thread[11] Node Time=0.649 sec

[5/31/2024 13:08:01] Thread[11] Link Time=1.722 sec

[5/31/2024 13:08:01] --- Thread Timers --------------------

[5/31/2024 13:08:01] Thread[12] Basin Time=0.004 sec

[5/31/2024 13:08:01] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 13:08:01] Thread[12] Node Time=0.558 sec

[5/31/2024 13:08:01] Thread[12] Link Time=28.305 sec

[5/31/2024 13:08:01] --- Thread Timers --------------------

[5/31/2024 13:08:02] Thread[13] Basin Time=0.003 sec

[5/31/2024 13:08:02] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 13:08:02] Thread[13] Node Time=0.539 sec

[5/31/2024 13:08:02] Thread[13] Link Time=3.235 sec

[5/31/2024 13:08:02] --- Thread Timers --------------------

[5/31/2024 13:08:02] Thread[14] Basin Time=0.003 sec

[5/31/2024 13:08:02] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 13:08:02] Thread[14] Node Time=0.667 sec

[5/31/2024 13:08:02] Thread[14] Link Time=2.546 sec

[5/31/2024 13:08:02] --- Thread Timers --------------------

[5/31/2024 13:08:02] Thread[15] Basin Time=0.003 sec

[5/31/2024 13:08:02] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 13:08:02] Thread[15] Node Time=0.454 sec

[5/31/2024 13:08:03] Thread[15] Link Time=4.652 sec

[5/31/2024 13:08:03] --- Thread Timers --------------------

[5/31/2024 13:08:03] Thread[16] Basin Time=0.003 sec

[5/31/2024 13:08:03] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 13:08:03] Thread[16] Node Time=0.719 sec

[5/31/2024 13:08:03] Thread[16] Link Time=5.326 sec

[5/31/2024 13:08:03] --- Thread Timers --------------------

[5/31/2024 13:08:03] Thread[17] Basin Time=0.003 sec

[5/31/2024 13:08:03] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 13:08:03] Thread[17] Node Time=0.395 sec

[5/31/2024 13:08:03] Thread[17] Link Time=4.704 sec

[5/31/2024 13:08:03] --- Thread Timers --------------------

[5/31/2024 13:08:04] Thread[18] Basin Time=0.003 sec

[5/31/2024 13:08:04] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 13:08:04] Thread[18] Node Time=0.638 sec

[5/31/2024 13:08:04] Thread[18] Link Time=14.444 sec