[5/31/2024 13:09:15]

threads=-1

batch=18 of 24

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

nextsim=C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si22\

[5/31/2024 13:09:15] C:\Work Space\buttonwood\Scenarios\Sc18\Simulations\Si35\echo.i4p

[5/31/2024 13:09:15] Reading Simulation

[5/31/2024 13:09:15] Simulation=2.33YR24HR-2.36

[5/31/2024 13:09:15] RunMode=0

[5/31/2024 13:09:15] HotStart=0

[5/31/2024 13:09:15] SaveRestart=0

[5/31/2024 13:09:15] StartYear=0

[5/31/2024 13:09:16] StartMonth=0

[5/31/2024 13:09:16] StartDay=0

[5/31/2024 13:09:16] StartHour=0.000

[5/31/2024 13:09:16] EndYear=0

[5/31/2024 13:09:16] EndMonth=0

[5/31/2024 13:09:16] EndDay=0

[5/31/2024 13:09:16] EndHour=48.000

[5/31/2024 13:09:16] HotstartYear=0

[5/31/2024 13:09:16] HotstartMonth=0

[5/31/2024 13:09:16] HotstartDay=0

[5/31/2024 13:09:16] HotstartHour=0.000

[5/31/2024 13:09:16] MinCalc\_Hydrology=60.000

[5/31/2024 13:09:16] MinCalc\_Hydraulics=0.100

[5/31/2024 13:09:16] MaxCalc\_Hydraulics=30.000

[5/31/2024 13:09:16] MinCalc\_Groundwater=900.000

[5/31/2024 13:09:16] RainfallSet=

[5/31/2024 13:09:16] RefETSet=

[5/31/2024 13:09:16] UnitHydSet=

[5/31/2024 13:09:16] BndStageSet=25YR24HR-2.36

[5/31/2024 13:09:16] ExHydSet=

[5/31/2024 13:09:16] CurveNumSet=

[5/31/2024 13:09:16] GreenAmptSet=

[5/31/2024 13:09:16] VertLayerSet=

[5/31/2024 13:09:16] ImpervSet=

[5/31/2024 13:09:16] RoughnessSet=

[5/31/2024 13:09:16] CropCoefSet=

[5/31/2024 13:09:16] PorosSet=

[5/31/2024 13:09:16] ConductSet=

[5/31/2024 13:09:16] LeakageSet=

[5/31/2024 13:09:16] TimeMarching=0

[5/31/2024 13:09:16] MaxIterations=6

[5/31/2024 13:09:16] OverRelaxWeightFactor=0.500

[5/31/2024 13:09:16] dZTolerance=0.001

[5/31/2024 13:09:16] MaxdZ=1.500

[5/31/2024 13:09:16] LinkOptTol=0.000

[5/31/2024 13:09:16] EdgeLengthOpt=0

[5/31/2024 13:09:16] EdgeLengthFactor=0.667

[5/31/2024 13:09:16] DefaultDampThresh2d=0.005

[5/31/2024 13:09:16] MinSurfArea2d=100.000

[5/31/2024 13:09:16] EnergySwitch2d=1

[5/31/2024 13:09:16] IaTime=24.000

[5/31/2024 13:09:16] IncludeETManBasns=0

[5/31/2024 13:09:16] VertLayerSoln=0

[5/31/2024 13:09:16] RainOptManBasns=1

[5/31/2024 13:09:16] RainOptOF=1

[5/31/2024 13:09:16] RainName=~FLMOD

[5/31/2024 13:09:16] RainAmount=4.820

[5/31/2024 13:09:16] StormDur=24.000

[5/31/2024 13:09:16] DefaultDampThresh1D=0.005

[5/31/2024 13:09:16] MinNodeSurfArea1D=100.000

[5/31/2024 13:09:16] EnergySwitch1D=1

[5/31/2024 13:09:16] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 13:09:16] 19 threads [20 cores detected]

[5/31/2024 13:09:16] SolutionMethod=SAOR

[5/31/2024 13:09:16] No \_ET.TXT

[5/31/2024 13:09:17] No \_EV.TXT

[5/31/2024 13:09:17] Reading Operating Tables

[5/31/2024 13:09:17] Reading Cross Sections

[5/31/2024 13:09:17] Reading 1D Nodes

[5/31/2024 13:09:17] Reading Overland Flow Nodes

[5/31/2024 13:09:17] Reading 1D Channels

[5/31/2024 13:09:17] Setting up channel ghost nodes

[5/31/2024 13:09:17] Reading Pipes

[5/31/2024 13:09:17] Reading Rating Curves

[5/31/2024 13:09:17] Reading Weirs

[5/31/2024 13:09:17] Reading Drop Structures

[5/31/2024 13:09:17] Reading Breaches

[5/31/2024 13:09:17] Reading Percs

[5/31/2024 13:09:17] Reading Overland Flow Channels

[5/31/2024 13:09:17] Reading Overland Flow Weirs

[5/31/2024 13:09:17] Setting up ghost nodes

[5/31/2024 13:09:17] Reading Manual Basins

[5/31/2024 13:09:17] Reading Overland Flow Basins

[5/31/2024 13:09:17] Sorting basins

[5/31/2024 13:09:17] Reading Basin Features

[5/31/2024 13:09:18] Reading Groundwater

[5/31/2024 13:09:18] Initializing threads

[5/31/2024 13:09:18] Build Complete

[5/31/2024 13:09:18] Total basin area=47.340

[5/31/2024 13:09:18] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 13:09:18]

[5/31/2024 13:09:18] --- Hydrology Counts -----------------------------------------------

[5/31/2024 13:09:18] Total Basin = 28

[5/31/2024 13:09:18] Direct Basin = 0

[5/31/2024 13:09:18] Manual NRCS Basin = 0

[5/31/2024 13:09:18] Manual SB Basin = 0

[5/31/2024 13:09:18] Mapped NRCS Basin = 0

[5/31/2024 13:09:18] Mapped SB Basin = 0

[5/31/2024 13:09:18] Simple NRCS Basin = 28

[5/31/2024 13:09:18] Simple SB Basin = 0

[5/31/2024 13:09:18] Total Basin Polygon = 28

[5/31/2024 13:09:18] Manual Basin Polygon = 0

[5/31/2024 13:09:18] Mapped Basin Polygon = 0

[5/31/2024 13:09:18] 2D Basin Polygon = 0

[5/31/2024 13:09:18] Crop = 0

[5/31/2024 13:09:18] Reference ET = 0

[5/31/2024 13:09:18] Rainfall = 1

[5/31/2024 13:09:19] Green Ampt Parameter = 0

[5/31/2024 13:09:19] Vert Layer Parameter = 0

[5/31/2024 13:09:19] Curve Number Parameter = 29

[5/31/2024 13:09:19] Imperviousness = 29

[5/31/2024 13:09:19]

[5/31/2024 13:09:19] --- Routing Counts -------------------------------------------------

[5/31/2024 13:09:19] Region = 0

[5/31/2024 13:09:19] Total Node = 55

[5/31/2024 13:09:19] 1D Stage Area = 52

[5/31/2024 13:09:19] 1D Time Stage = 3

[5/31/2024 13:09:19] 1D Drop Nodes = 0

[5/31/2024 13:09:19] 2D Stage Area = 0

[5/31/2024 13:09:19] 2D Time Stage = 0

[5/31/2024 13:09:19] 2D Pond Ghost = 0

[5/31/2024 13:09:19] 2D Chan Ghost = 0

[5/31/2024 13:09:19] 1D/2D Node Interfaces = 0

[5/31/2024 13:09:19] 1D/2D Injection Wells = 0

[5/31/2024 13:09:19] Total Link = 86

[5/31/2024 13:09:19] 1D Pipe = 27

[5/31/2024 13:09:20] 1D Drop Structure = 1

[5/31/2024 13:09:20] 1D French Drain = 0

[5/31/2024 13:09:20] 1D Channel = 2

[5/31/2024 13:09:20] 2D Channel = 0

[5/31/2024 13:09:20] 1D Weir = 54

[5/31/2024 13:09:20] 1D Drop Weir = 2

[5/31/2024 13:09:20] 2D Weir = 0

[5/31/2024 13:09:20] 1D Rating Curve = 0

[5/31/2024 13:09:20] 1D Percolation = 0

[5/31/2024 13:09:20] Cross Section = 36

[5/31/2024 13:09:20] Operating Table = 0

[5/31/2024 13:09:20]

[5/31/2024 13:09:20] --- Groundwater Counts ---------------------------------------------

[5/31/2024 13:09:20] Region = 0

[5/31/2024 13:09:20] Triangle = 0

[5/31/2024 13:09:20] Vertex = 0

[5/31/2024 13:09:20] Midpoint = 0

[5/31/2024 13:09:20] --------------------------------------------------------------------

[5/31/2024 13:09:20]

[5/31/2024 13:09:21] Processing Initial Link Flows...

[5/31/2024 13:09:21] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 13:09:21] Node N-BTW-11 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:21] Node N-BTW-12 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:21] Node N-BTW-24 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:21] Node N-BTW-10 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:21] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:21] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:21] Node N-BTW-23 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:21] Node N-BTW-10B caused a revert (this will only be logged once per node)

[5/31/2024 13:09:23] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:23] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 13:09:23] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:24] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:24] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:24] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 13:09:24] Node N-BTW-28 caused a revert (this will only be logged once per node)

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

[5/31/2024 13:09:25] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:07] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:10] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:12] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:47] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:47] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:47] Node N-BTW-01 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:48] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:49] Node N-BTW-26B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:49] Node N-BTW-25B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:49] Node N-BTW-27B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:49] Node N-BTW-01B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:49] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:50] Node N-BTW-13A caused a revert (this will only be logged once per node)

[5/31/2024 13:10:50] Node N-BTW-14 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:50] Node N-BTW-18B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:50] Node N-BTW-19B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:50] Node N-BTW-20B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:52] Node N-BTW-16B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:52] Node N-BTW-17B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:55] Node N-BTW-11B caused a revert (this will only be logged once per node)

[5/31/2024 13:10:55] Node N-BTW-13 caused a revert (this will only be logged once per node)

[5/31/2024 13:10:57] Node N-BTW-15A caused a revert (this will only be logged once per node)

[5/31/2024 13:10:57] Conduit Optimizer Total Count=17299502 of 20374984

[5/31/2024 13:10:57] PC busted 284 of 328892

[5/31/2024 13:10:57] Average Iterations was 1.213

[5/31/2024 13:10:57] Average dt was 0.55214 sec

[5/31/2024 13:10:57] Revert count=15916

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

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

[5/31/2024 13:10:57] Total Time=96.603 sec

[5/31/2024 13:10:57] Basin Time=0.012 sec

[5/31/2024 13:10:57] BasinPoly Time=0.008 sec

[5/31/2024 13:10:57] Node Time=4.946 sec

[5/31/2024 13:10:58] Link Time=84.286 sec

[5/31/2024 13:10:58] Hydrology Output Time=2.125 sec

[5/31/2024 13:10:58] Groundwater Output Time=0.002 sec

[5/31/2024 13:10:58] Routing Output Time=2.079 sec

[5/31/2024 13:10:58] --- Thread Timers --------------------

[5/31/2024 13:10:58] Thread[0] Basin Time=0.005 sec

[5/31/2024 13:10:58] Thread[0] BasinPoly Time=0.001 sec

[5/31/2024 13:10:58] Thread[0] Node Time=0.428 sec

[5/31/2024 13:10:58] Thread[0] Link Time=39.742 sec

[5/31/2024 13:10:58] --- Thread Timers --------------------

[5/31/2024 13:10:58] Thread[1] Basin Time=0.005 sec

[5/31/2024 13:10:58] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 13:10:58] Thread[1] Node Time=0.553 sec

[5/31/2024 13:10:58] Thread[1] Link Time=46.192 sec

[5/31/2024 13:10:58] --- Thread Timers --------------------

[5/31/2024 13:10:58] Thread[2] Basin Time=0.007 sec

[5/31/2024 13:10:58] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 13:10:58] Thread[2] Node Time=0.520 sec

[5/31/2024 13:10:58] Thread[2] Link Time=46.842 sec

[5/31/2024 13:10:58] --- Thread Timers --------------------

[5/31/2024 13:10:58] Thread[3] Basin Time=0.005 sec

[5/31/2024 13:10:58] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 13:10:58] Thread[3] Node Time=0.497 sec

[5/31/2024 13:10:58] Thread[3] Link Time=44.147 sec

[5/31/2024 13:10:58] --- Thread Timers --------------------

[5/31/2024 13:10:58] Thread[4] Basin Time=0.008 sec

[5/31/2024 13:10:58] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 13:10:58] Thread[4] Node Time=0.473 sec

[5/31/2024 13:10:58] Thread[4] Link Time=44.594 sec

[5/31/2024 13:10:59] --- Thread Timers --------------------

[5/31/2024 13:10:59] Thread[5] Basin Time=0.006 sec

[5/31/2024 13:10:59] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 13:11:00] Thread[5] Node Time=0.520 sec

[5/31/2024 13:11:00] Thread[5] Link Time=1.859 sec

[5/31/2024 13:11:00] --- Thread Timers --------------------

[5/31/2024 13:11:00] Thread[6] Basin Time=0.005 sec

[5/31/2024 13:11:00] Thread[6] BasinPoly Time=0.001 sec

[5/31/2024 13:11:00] Thread[6] Node Time=0.524 sec

[5/31/2024 13:11:00] Thread[6] Link Time=4.044 sec

[5/31/2024 13:11:00] --- Thread Timers --------------------

[5/31/2024 13:11:01] Thread[7] Basin Time=0.006 sec

[5/31/2024 13:11:01] Thread[7] BasinPoly Time=0.001 sec

[5/31/2024 13:11:01] Thread[7] Node Time=2.241 sec

[5/31/2024 13:11:01] Thread[7] Link Time=47.786 sec

[5/31/2024 13:11:01] --- Thread Timers --------------------

[5/31/2024 13:11:01] Thread[8] Basin Time=0.005 sec

[5/31/2024 13:11:01] Thread[8] BasinPoly Time=0.001 sec

[5/31/2024 13:11:01] Thread[8] Node Time=0.437 sec

[5/31/2024 13:11:01] Thread[8] Link Time=16.980 sec

[5/31/2024 13:11:01] --- Thread Timers --------------------

[5/31/2024 13:11:01] Thread[9] Basin Time=0.003 sec

[5/31/2024 13:11:01] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 13:11:01] Thread[9] Node Time=0.472 sec

[5/31/2024 13:11:02] Thread[9] Link Time=11.700 sec

[5/31/2024 13:11:02] --- Thread Timers --------------------

[5/31/2024 13:11:02] Thread[10] Basin Time=0.003 sec

[5/31/2024 13:11:02] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 13:11:02] Thread[10] Node Time=0.443 sec

[5/31/2024 13:11:02] Thread[10] Link Time=49.950 sec

[5/31/2024 13:11:02] --- Thread Timers --------------------

[5/31/2024 13:11:02] Thread[11] Basin Time=0.003 sec

[5/31/2024 13:11:02] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 13:11:02] Thread[11] Node Time=0.603 sec

[5/31/2024 13:11:02] Thread[11] Link Time=1.524 sec

[5/31/2024 13:11:02] --- Thread Timers --------------------

[5/31/2024 13:11:03] Thread[12] Basin Time=0.003 sec

[5/31/2024 13:11:03] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 13:11:03] Thread[12] Node Time=0.469 sec

[5/31/2024 13:11:03] Thread[12] Link Time=23.680 sec

[5/31/2024 13:11:03] --- Thread Timers --------------------

[5/31/2024 13:11:03] Thread[13] Basin Time=0.003 sec

[5/31/2024 13:11:03] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 13:11:03] Thread[13] Node Time=0.451 sec

[5/31/2024 13:11:03] Thread[13] Link Time=2.622 sec

[5/31/2024 13:11:03] --- Thread Timers --------------------

[5/31/2024 13:11:03] Thread[14] Basin Time=0.003 sec

[5/31/2024 13:11:03] Thread[14] BasinPoly Time=0.001 sec

[5/31/2024 13:11:03] Thread[14] Node Time=0.477 sec

[5/31/2024 13:11:04] Thread[14] Link Time=1.470 sec

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

[5/31/2024 13:11:04] Thread[15] Basin Time=0.003 sec

[5/31/2024 13:11:04] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 13:11:04] Thread[15] Node Time=0.382 sec

[5/31/2024 13:11:04] Thread[15] Link Time=4.041 sec

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

[5/31/2024 13:11:04] Thread[16] Basin Time=0.003 sec

[5/31/2024 13:11:04] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 13:11:04] Thread[16] Node Time=0.428 sec

[5/31/2024 13:11:04] Thread[16] Link Time=4.552 sec

[5/31/2024 13:11:05] --- Thread Timers --------------------

[5/31/2024 13:11:05] Thread[17] Basin Time=0.003 sec

[5/31/2024 13:11:05] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 13:11:05] Thread[17] Node Time=0.298 sec

[5/31/2024 13:11:05] Thread[17] Link Time=2.988 sec

[5/31/2024 13:11:05] --- Thread Timers --------------------

[5/31/2024 13:11:05] Thread[18] Basin Time=0.003 sec

[5/31/2024 13:11:05] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 13:11:05] Thread[18] Node Time=0.409 sec

[5/31/2024 13:11:05] Thread[18] Link Time=12.948 sec