

## WaterSMART / CADSWES Study Manager / Disaggregation Plugin / 5-02-2012

- Disaggregation Plugin (without name map support)
  - Spacial Disagg Success Results
  - Temporal Disagg Success Results

Disaggregation Plugin (without name map support)

**Disaggregator - Configure** [?] [X]

Disaggregation Functions

Function: Temporal Disaggregation [v]

Observed Monthly Flows: C:/Riverware/HydrologySimulator/scriptdata/tmpdisag/lf\_mnt\_vector.txt [...] [time series file]

First Year: 1906

☐ Observed Annual Flows: [...] [time series file]

☐ Simulated Annual Flows: [...] [time series file]

☒ Simulation Length: 50

☒ Output Directory: C:/Riverware/HydrologySimulator/scriptOut [...] [time series file]

Help Load Save Execute [ ]

OK

**Disaggregator - Configure** [?] [X]

Disaggregation Functions

Function: Spatial Disaggregation [v]

Observed Monthly Flows: C:/Riverware/HydrologySimulator/scriptdata/spdisag/monflow\_2site\_vector.txt [...] [time series file]

First Year: 1906

☒ Location Count: 2

☐ Observed Annual Flows: [...] [time series file]

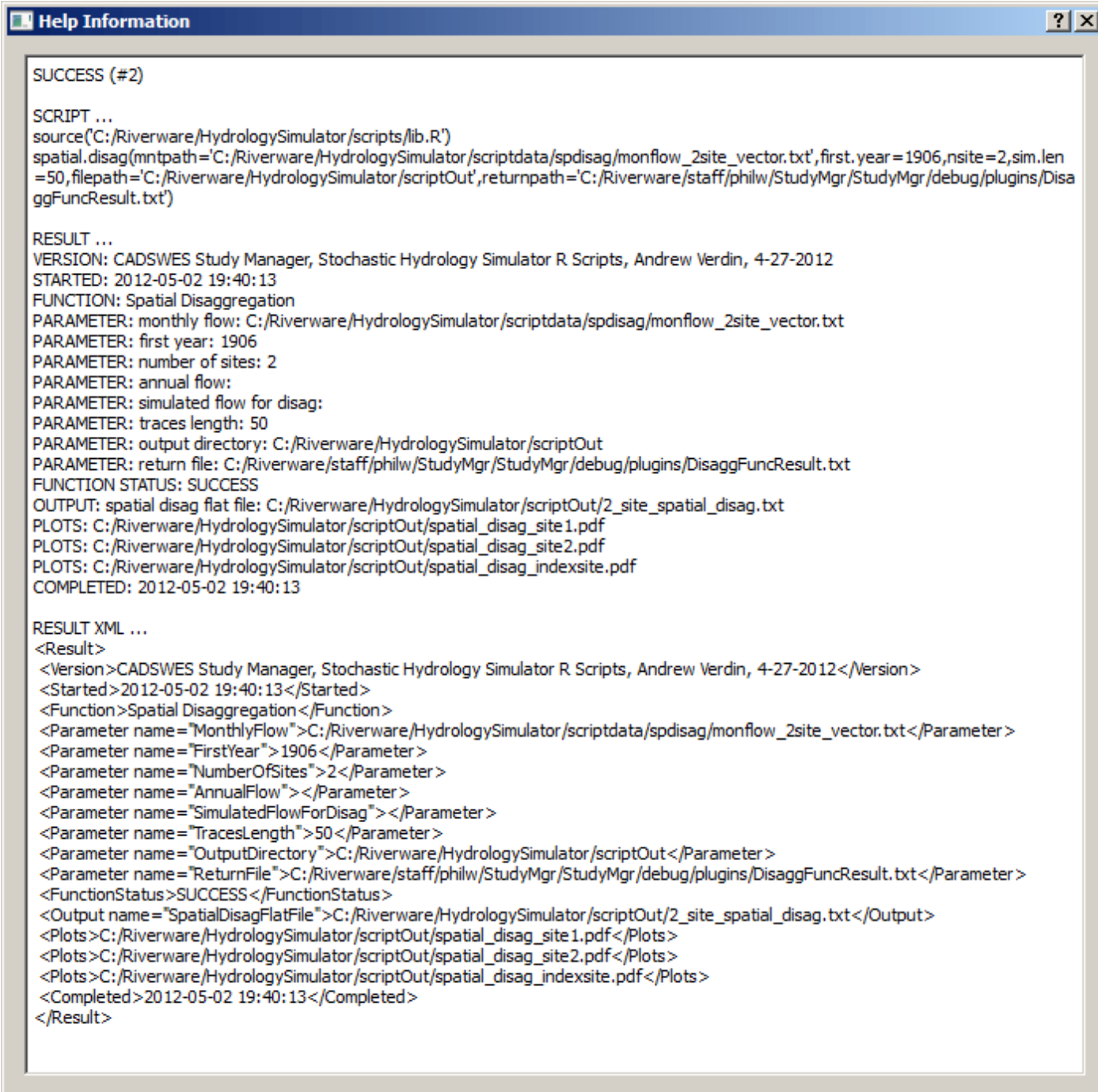
☐ Simulated Annual Flows: [...] [time series file]

☒ Simulation Length: 50

☒ Output Directory: C:/Riverware/HydrologySimulator/scriptOut [...] [time series file]

Help Load Save Execute [ ]

OK

[Spacial Disagg Success Results](#)


```

Help Information

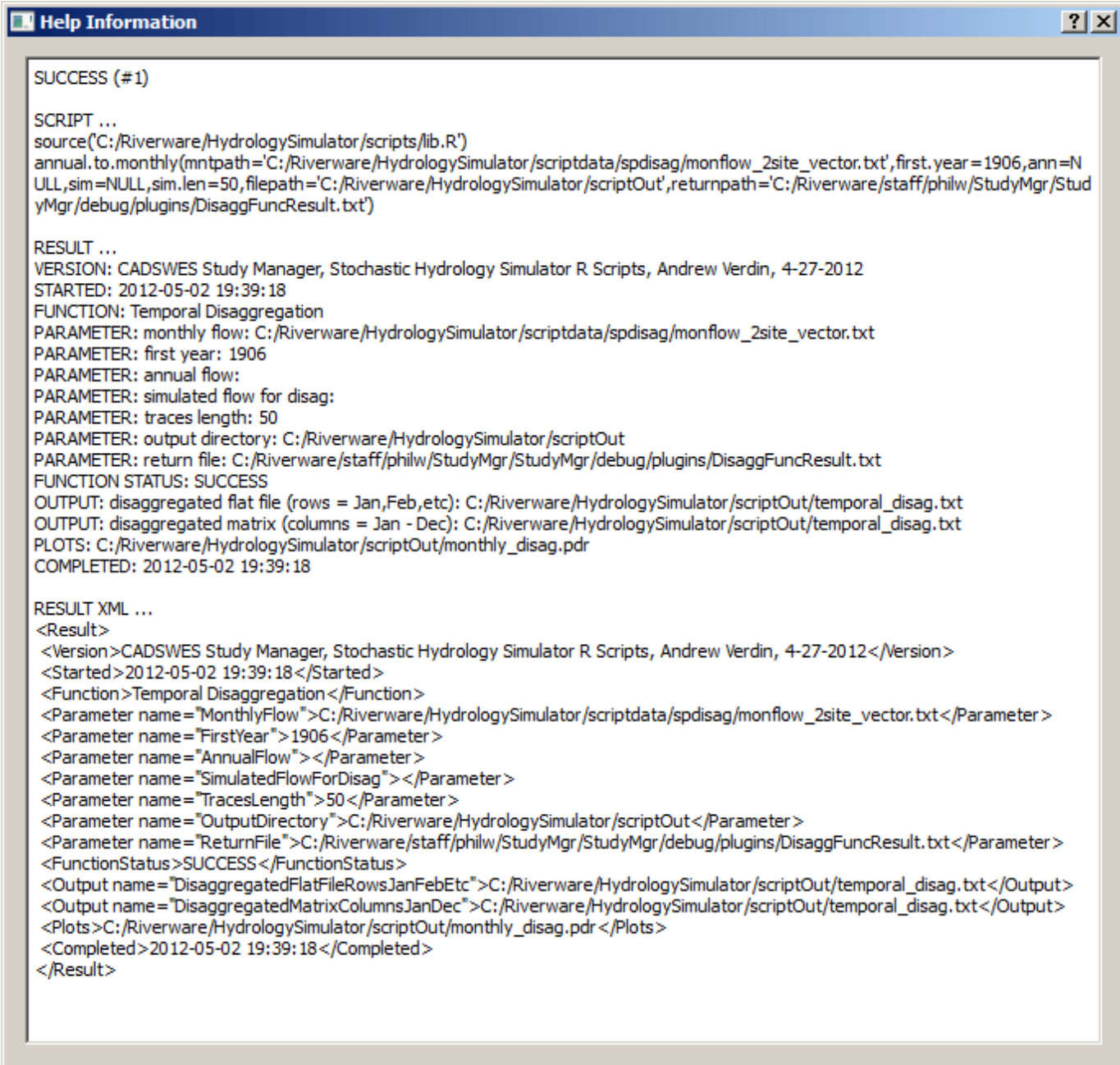
SUCCESS (#2)

SCRIPT ...
source('C:/Riverware/HydrologySimulator/scripts/lib.R')
spatial.disag(mntpath='C:/Riverware/HydrologySimulator/scriptdata/spdisag/monflow_2site_vector.txt',first.year=1906,nsite=2,sim.len=50,filepath='C:/Riverware/HydrologySimulator/scriptOut',returnpath='C:/Riverware/staff/philw/StudyMgr/StudyMgr/debug/plugins/DisaggFuncResult.txt')

RESULT ...
VERSION: CADSWES Study Manager, Stochastic Hydrology Simulator R Scripts, Andrew Verdin, 4-27-2012
STARTED: 2012-05-02 19:40:13
FUNCTION: Spatial Disaggregation
PARAMETER: monthly flow: C:/Riverware/HydrologySimulator/scriptdata/spdisag/monflow_2site_vector.txt
PARAMETER: first year: 1906
PARAMETER: number of sites: 2
PARAMETER: annual flow:
PARAMETER: simulated flow for disag:
PARAMETER: traces length: 50
PARAMETER: output directory: C:/Riverware/HydrologySimulator/scriptOut
PARAMETER: return file: C:/Riverware/staff/philw/StudyMgr/StudyMgr/debug/plugins/DisaggFuncResult.txt
FUNCTION STATUS: SUCCESS
OUTPUT: spatial disag flat file: C:/Riverware/HydrologySimulator/scriptOut/2_site_spatial_disag.txt
PLOTS: C:/Riverware/HydrologySimulator/scriptOut/spatial_disag_site1.pdf
PLOTS: C:/Riverware/HydrologySimulator/scriptOut/spatial_disag_site2.pdf
PLOTS: C:/Riverware/HydrologySimulator/scriptOut/spatial_disag_indexsite.pdf
COMPLETED: 2012-05-02 19:40:13

RESULT XML ...
<Result>
  <Version>CADSWES Study Manager, Stochastic Hydrology Simulator R Scripts, Andrew Verdin, 4-27-2012</Version>
  <Started>2012-05-02 19:40:13</Started>
  <Function>Spatial Disaggregation</Function>
  <Parameter name="MonthlyFlow">C:/Riverware/HydrologySimulator/scriptdata/spdisag/monflow_2site_vector.txt</Parameter>
  <Parameter name="FirstYear">1906</Parameter>
  <Parameter name="NumberOfSites">2</Parameter>
  <Parameter name="AnnualFlow"></Parameter>
  <Parameter name="SimulatedFlowForDisag"></Parameter>
  <Parameter name="TracesLength">50</Parameter>
  <Parameter name="OutputDirectory">C:/Riverware/HydrologySimulator/scriptOut</Parameter>
  <Parameter name="ReturnFile">C:/Riverware/staff/philw/StudyMgr/StudyMgr/debug/plugins/DisaggFuncResult.txt</Parameter>
  <FunctionStatus>SUCCESS</FunctionStatus>
  <Output name="SpatialDisagFlatFile">C:/Riverware/HydrologySimulator/scriptOut/2_site_spatial_disag.txt</Output>
  <Plots>C:/Riverware/HydrologySimulator/scriptOut/spatial_disag_site1.pdf</Plots>
  <Plots>C:/Riverware/HydrologySimulator/scriptOut/spatial_disag_site2.pdf</Plots>
  <Plots>C:/Riverware/HydrologySimulator/scriptOut/spatial_disag_indexsite.pdf</Plots>
  <Completed>2012-05-02 19:40:13</Completed>
</Result>

```

Temporal Disagg Success Results


```

Help Information

SUCCESS (#1)

SCRIPT ...
source('C:/Riverware/HydrologySimulator/scripts/lib.R')
annual.to.monthly(mnpath='C:/Riverware/HydrologySimulator/scriptdata/spdisag/monflow_2site_vector.txt',first.year=1906,ann=N
ULL,sim=NULL,sim.len=50,filepath='C:/Riverware/HydrologySimulator/scriptOut',returnpath='C:/Riverware/staff/philw/StudyMgr/Stud
yMgr/debug/plugins/DisaggFuncResult.txt')

RESULT ...
VERSION: CADSWES Study Manager, Stochastic Hydrology Simulator R Scripts, Andrew Verdin, 4-27-2012
STARTED: 2012-05-02 19:39:18
FUNCTION: Temporal Disaggregation
PARAMETER: monthly flow: C:/Riverware/HydrologySimulator/scriptdata/spdisag/monflow_2site_vector.txt
PARAMETER: first year: 1906
PARAMETER: annual flow:
PARAMETER: simulated flow for disag:
PARAMETER: traces length: 50
PARAMETER: output directory: C:/Riverware/HydrologySimulator/scriptOut
PARAMETER: return file: C:/Riverware/staff/philw/StudyMgr/StudyMgr/debug/plugins/DisaggFuncResult.txt
FUNCTION STATUS: SUCCESS
OUTPUT: disaggregated flat file (rows = Jan, Feb, etc): C:/Riverware/HydrologySimulator/scriptOut/temporal_disag.txt
OUTPUT: disaggregated matrix (columns = Jan - Dec): C:/Riverware/HydrologySimulator/scriptOut/temporal_disag.txt
PLOTS: C:/Riverware/HydrologySimulator/scriptOut/monthly_disag.pdr
COMPLETED: 2012-05-02 19:39:18

RESULT XML ...
<Result>
<Version>CADSWES Study Manager, Stochastic Hydrology Simulator R Scripts, Andrew Verdin, 4-27-2012</Version>
<Started>2012-05-02 19:39:18</Started>
<Function>Temporal Disaggregation</Function>
<Parameter name="MonthlyFlow">C:/Riverware/HydrologySimulator/scriptdata/spdisag/monflow_2site_vector.txt</Parameter>
<Parameter name="FirstYear">1906</Parameter>
<Parameter name="AnnualFlow"></Parameter>
<Parameter name="SimulatedFlowForDisag"></Parameter>
<Parameter name="TracesLength">50</Parameter>
<Parameter name="OutputDirectory">C:/Riverware/HydrologySimulator/scriptOut</Parameter>
<Parameter name="ReturnFile">C:/Riverware/staff/philw/StudyMgr/StudyMgr/debug/plugins/DisaggFuncResult.txt</Parameter>
<FunctionStatus>SUCCESS</FunctionStatus>
<Output name="DisaggregatedFlatFileRowsJanFebEtc">C:/Riverware/HydrologySimulator/scriptOut/temporal_disag.txt</Output>
<Output name="DisaggregatedMatrixColumnsJanDec">C:/Riverware/HydrologySimulator/scriptOut/temporal_disag.txt</Output>
<Plots>C:/Riverware/HydrologySimulator/scriptOut/monthly_disag.pdr</Plots>
<Completed>2012-05-02 19:39:18</Completed>
</Result>

```

--- (end) ---