Default output files for DHSVM

Aggregated values file

This is an ASCII file similar in format to the pixel output files. The name of this file is always `Aggregated.Values`. It contains the **basin average values** of the variables reported in the pixel output files, as well as the number of saturated pixels in the basin (last column).

Date HasSnow OverSnow LastSnow Swq Melt PackWater TPack SurfWater TSurf
ColdContent EvapTot EPot0 EPot1 EPot2 EAct0 EAct1 EAct2 EInt0 EInt1
ESoil00 ESoil01 ESoil02 ESoil10 ESoil11 ESoil12 ESoil Precip IntRain0
IntRain1 IntSnow0 IntSnow1 RadBeam RadDiff SoilMoist0 SoilMoist1 SoilMoist2
Perc0 Perc1 Perc2 TableDepth SatFlow Runoff SoilTemp Qnet Qs Qe Qg Qst Ra
IExcess (InfiltAcc *IF DYNAMIC OPTION*)

Check the name of the variables here (https://www.pnnl.gov/sites/default/files/media/file/Output%20variable%20IDs.pdf).

Mass balance file

This is a file in ASCII format that reports the various water balance components and water balance error for each individual time step. The name of this file is always `Mass.Balance.` The columns in the output file are:

1. Total runoff
2. Total amount of water in the canopy
3. Total amount of water in the soil
4. Total amount of snow water equivalent
5. Total amount of saturated subsurface flow
6. Total amount of water intercepted by channels
7. Total amount of water intercepted by roads
8. Total amount of water returned by culverts to the land surface
9. Total amount of evapotranspiration
10. Total amount of precipitation
11. Total amount of sublimation from snow on the ground
12. Total amount of sublimation from snow in the canopy
13. Total amount of water during the previous time step
14. Total amount of flow from culverts to the channel

15. Total amount of surface flow to the channel
16. Total mass balance error for the current time step

Saturation Extent

The ASCII file `saturation_extent.txt` is intended to screen for Mass Wasting and Soil Erosion Dates to insert in the MWM configuration file. This file it output for DHSVM version 3.0 and higher.

1. Date
2. percentage of the number of pixels in the basin with a water table that is at least MTHRESH of soil depth. MTHRESH is presently set up to 0.85