d:\swatplus\_code\Rev41\_docs

**REVISION 41 – December 21, 2017**

1. NEW\_INPUT\_FILES

Contains a list of new input files that are being tested.

1. NEW\_OUTPUT\_FILES

Contains a list of new output files being review.

1. Existing output files

List of changes in output files

1. Existing input files

List of changes in input files

1. Other

Other files that were modified in this revision.

1. **NEW INPUT FILES**
2. **NEW OUTPUT FILES**
3. **EXISTING OUTPUT FILES**
4. **EXISTING INPUT FILES**
5. Object.cnt – three variables added to the front of this file:

NAME AREA\_LS\_HA AREA\_TOT\_HA

2\_stage 30.0 33.0

1. Snow.sno – Initial snow input:

COV50 **INIT\_MM**

0.000 **0.000**

3) PRINT.PRT file:

Added T column in objects section (see **BOLD** below):

print.prt output print settings

…

OBJECTS DAILY MONTHLY YEARLY AVANN **T**

basin\_wb n n y y **n**

basin\_nb n n y y **n**

basin\_ls n n y y **n**

1. **OTHER**

The following is due to module cleanup and does not affect input data sets;

Deleted following modules from source code list:

OTHER\_MODULE.F90

JRW\_PROCESS\_MODULE.F90

CBN\_NEW.f90

SOIL\_WRITE.F90

HRU\_MODULE.F90

**Split** out HRU\_SOIL\_INIT.F90 into the following **NEW** subroutines:

HRUDB\_INIT.F90

HRU\_SOIL\_INIT.F90

SOILS\_INIT.F90

HRU\_OUTPUT\_ALLO.F90

BACTERIA\_INIT.F90

PESTICIDE\_INIT.F90

PLANT\_INIT.F90

PLANT\_ALL\_INIT.F90

NEW Subroutines:

SOILTEST\_ALL\_INIT.F90

SOILTEST\_INIT.F90

hru\_re\_initialize.f90

basin\_objs\_read.f90

RENAMED the following subroutines:

Split HRU\_SOIL\_INIT.F90 🡪 HYDRO\_INIT.F90

HRU\_SOIL\_CHEM.F90 🡪 SOIL\_NUTCARB\_INIT.F90

HRU\_SOIL\_PHYS.F90 🡪 SOIL\_PHYS\_INIT.F90

HRU\_SOIL\_PHYS.F90 🡪 SOIL\_PHYS\_INIT.F90

* Cleanup of MHRU, MCH, MRES
* Cleaned up MODULES to exclude ‘USE’
* Aqu\_1d\_control.f90 – zeroed these three vars (Katrin problems, 12-12-17)

**aqu(iaq)%flo\_cha = 0.**

**aqu(iaq)%flo\_res = 0.**

**aqu(iaq)%flo\_ls = 0.**

do iout = 1, ob(iob\_out)%src\_tot

select case (ob(iob\_out)%obtyp\_out(iout))