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**REVISION 60.1 – October 11, 2019**

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**

* **BASIN CROP YIELD FILES ADDED (no code included in the ‘print.prt’ file;**

**always prints when HRU spatial objects > 0)**

basin\_crop\_yld\_yr.xt

basin\_crop\_yld\_aa.txt

1. **EXISTING OUTPUT FILES**

* Added new output variables to:

basin\_aqu\_pest\*.txt

aquifer\_pest\_\*.txt

(sol\_flo/sor\_flo/sol\_perc/stor\_ave/stor\_init/stor\_final)

* Rename ‘crop\_yld\_aa.out’ to’ crop\_yld\_aa.txt’
* Adjusted the headers in channel\_sd\*.txt and basin\_sd\_cha\*.\* txt files

(moved the following up one line to be included in the ‘area…..precip….evap’ line)

jday mon day yr unit gis\_id name

1. **EXISTING INPUT FILES**

* Updated ‘PLANTS.PLT’ with changes in:  
   CORN/CORN50/CORN100/CORN110/CORN120/CORN90

SOYB/SOYB100/SOYB105/SOYB110/SOYB115/SOYB120

Values in the following columns changed: bm\_e/harv\_idx/lai\_max1/hu\_lai\_decl/frac\_n\_yld/frac\_p\_yld/frac\_n\_em/frac\_n\_50/frac\_n\_mat/frac\_p\_em/frac\_p\_50/frac\_p\_mat

(all example input datasets updated with this file)

* UPDATED ‘FERTILIZER.FRT’ file with “p” added for CEAP simulation runs

(all example input datasets updated with this file)

* Deleted Treynor\_Iowa from the example datasets (…data)
* Added ‘tropic\_dataset’ and ‘07120002\_Iroquois\_IL’ to the example datasets
* PARAMETERS.BSN – SCOEF inserted in ‘openvar1’ spot (all example datasets changed)
* HYDROLOGY.HYD – added column named LATQ\_CO – plant ET curve number coefficient (formerly CNCOEF)
* WATER\_BALANCE.SFT

--PET (ave annual potential et) column added after TFR

--ORGN removed

* CAL\_PARMS.CAL (updated in …\databases directory)

--added PETCO and LATQ\_CO as soft calibration variables

--updated cn2, cn3\_swf, slope ABS\_MIN and ABS\_MAX values

1. **OTHER**

- Removed the following subroutines: **wattable.f90**/**smp\_filtw.f90**/**calsoft\_init.f90**

* Added new subroutine: **cli\_precip\_control.f90**
* **LS\_UNIT.ELE** – BSN\_FRAC column carried to 3 significant digits (Ryan Bailey excessive rainfall issue)

**NOTE:** (Jaclyn has fixed this problem in the editor (updated 59.3) to read this column in an

exponential format)