d:\modular\_datasets\_rev56\revision\_notes\Rev56\_docs

**REVISION 56 – November 6, 2018**

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 files added to FILE.CIO** – **CHANNEL Section**

* hyd-sed-lte.cha (formerly channel\_lte.cha)
* temperature.cha (NAME column in ‘temperature.cha’ cross walked with CH\_TEMP in ‘channel-lte.cha’)



**FILE.CIO** – “INIT” Section added following files:

soil\_plant.ini

om\_water.ini

pest\_hru.ini

pest\_water.ini

path\_hru.ini (formerly path\_soil.ini)

path\_water.ini

hmet\_hru.ini

hmet\_water.ini

salt\_hru.ini

salt\_water.ini

* **soil\_plant.ini** - name column crossed walked in HRU-DATA.HRU (soil\_plant\_init column):

SW\_FRAC – taken from PARAMETERS.BSN file, FFCB column

NUTRIENT – name from NUTRIENTS.SOL file;

PESTICIDES – name from PEST\_HRU.INI file

PATHOGENS – name from PATH\_HRU.INI file

HEAVY METALS – name from HMET\_HRU.INI

SALTS – name from SALT\_HRU.INI



* **pest\_hru.ini** – NAME cross walked from PESTICIDES column in SOIL\_PLANT.INI file



* **path\_hru.ini** – cross walked from PATHOGENS column in SOIL\_PLANT.INI file;



* **hmet\_hru.ini** – cross walked from HEAVY\_METALS column in SOIL\_PLANT.INI file (not currently active)
* **salt\_hru.ini** – cross walked from SALTS column in SOIL\_PLANT.INI file; (not currently active
* **om\_water.ini** – name column – cross walked in initial.res/initial.cha ORG-MIN column;



* **pest\_water.ini** - name column cross walked with initial.cha/initial.res, PESTICIDES column



* **path\_water.ini** – name column cross walked with initial.cha/initial.res, PATHOGENS column



* hmet\_water.ini (not currently active)
* salt\_water.ini (not currently active)
* Split the decision table file into three new files (d\_table.dtl no longer exists)  
  **lum.dtl** (landuse management table)  
  **res\_rel.dtl** (reservoir/release table)  
  **scen\_lu.dtl** (scenario/landuse table)

1. **NEW OUTPUT FILES**

hru\_pathogen\_output – HRU\_PATH\_\*.TXT

hru\_pesticide\_output – HRU\_PEST\_\*.TXT

1. **EXISTING OUTPUT FILES**

* All of the output files were renamed in this revision. The output filenames should match with the objects in the print.prt file. A list of the new names are listed in this document under RENAME OUTPUT.
* Removed bactp and bactlp from the following output files:

- hru\_ls\_day.txt (formerly named ‘losses\_day\_hru.txt’)  
- hru\_ls\_mon.txt (formerly named ‘losses\_mon\_hru.txt’)

- hru\_ls\_yr.txt (formerly named ‘losses\_yr\_hru.txt’)

- hru\_ls\_aa.txt (formerly named ‘losses\_aa\_hru.txt)

* Removed: PSOL, PSOR, BACP, BACLP, MET1, MET2, MET3 from the following output files:

- basin\_res\_\*.txt (formerly ‘reservoir\_\*\_bsn.txt’)

removed: bres\_d 🡪 added: bres\_in\_d, bres\_out\_d

bres\_m 🡪 added: bres\_in\_m, bres\_out\_m

bres\_y 🡪 added: bres\_in\_y, bres\_out\_y

bres\_a 🡪 added: bres\_in\_a, bres\_out\_a

- reservoir\_\*.txt (name not changed)

removed: res\_d 🡪 added: res\_in\_d, res\_out\_d

res\_m 🡪 added: res\_in\_m, res\_out\_m

res\_y 🡪 added: res\_in\_y, res\_out\_y

res\_a 🡪 added: res\_in\_a, res\_out\_a

- wetland\_\*.txt (name not changed)

removed: wet\_d 🡪 added: wet\_in\_d, wet\_out\_d

wet\_m 🡪 added: wet\_in\_m, wet\_out\_m

wet\_y 🡪 added: wet\_in\_y, wet\_out\_y

wet\_a 🡪 added: wet\_in\_a, wet\_out\_a

- hydin\_\*.txt (name not changed)

- hydout\_\*.txt (name not changed)

- deposition\_\*.txt (name not changed)

- basin\_psc\_\*.txt (formerly ‘pts\_day\_bsn.txt’) (recall)

1. **EXISTING INPUT FILES**

**CAL\_PARMS.UPD**  (database file updated – not user supplied)

* Replaced DEPIMP with PERCO
* Deleted CNCOEF and SMXCO

**PLANTS.PLT**

* added Juniper plant (updated all datasets)
* added variable curyr\_gro to database

**HYDROLOGY.HYD** – MOVE PERCO column to REPLACE the DEP\_IMP column

**PARAMETERS.BSN –** The following columns are no longer being used and are open for future

development:

CN\_COEF – in the type, called openvar1

SMXCO - ‘’ openvar2

R2ADJ - “ openvar3

* **FERTILIZER.FRT** -
* Removed columns BACTPB, BACTLPDB and BACTKDDB; A

added ‘Pathogens’ column (character, currently all set == ‘null’)

* Previous fertilizer files were off by a line; this file corrected and all values should be correct. All committed datasets files were updated.



* **AQUIFER.AQU** – Header ‘REVAP’ changed to ‘REVAP\_CO’
* **LS\_UNIT.DEF** – Check line #2 to ensure it includes total number

ls\_unit.def

**1 🡨**

SUB\_NUMB SUB\_NAME SUB\_AREA ELEM\_TOT ELEM1 ELEM2

1. lcu1 493.38 1 1 2

* **FILE.CIO –** DECISION\_TABLE section updated with three new files;

DECISION\_TABLE lum.dtl res\_rel.dtl scen\_lu\_dtl

* **PESTICIDE.CHA**

SEDPST\_CONC/SPST\_CONC is now PST\_SOLUB (pesticide solubility)

* **CHANNEL-LTE.CHA FILE** – format change and cross walk files;



Where: CHA\_INI 🡪 initial.cha

CHA\_HYD 🡪 hyd-sed-lte.cha

CHA\_SED 🡪 sediment.cha (not currently used)

CHA\_NUT 🡪 nutrients.cha

CHA\_PST 🡪 pesticide.cha

CHA\_PATH 🡪 pathogens.cha

CHA\_HMET 🡪 metals.cha

CHA\_SALT 🡪 salt.cha

CHA\_TEMP 🡪 temperature.cha

* **INITIAL.CHA FILE** – format change and crosswalk files;



Where: ORG-MIN 🡪 om\_water.ini

PESTICIDES 🡪 pest\_water.ini

PATHOGENS 🡪 path\_water.ini

HEAVY\_METALS 🡪 hmet\_water.ini

SALTS 🡪 salt\_water.ini

* **INITIAL.RES FILE** – format of file changed and crosswalk files:

**Note**: Initial.res file must have ORG-MIN filename



Where: ORG-MIN 🡪 om\_water.ini

PESTICIDES 🡪 pest\_water.ini

PATHOGENS 🡪 path\_water.ini

HEAVY\_METALS 🡪 hmet\_water.ini

SALTS 🡪 salt\_water.ini

* **HRU-DATA.HRU** – change header “**soil\_nutr\_init**” to “**soil\_plant\_init**”
* **PST\_CONC** and **SPST\_CONC** have been removed from calibration parameters.
* **EXCO\_OM.EXC** – The following columns/inputs removed from this file:

PSOL, PSOR

BACP, BACLP, MET1, MET2, MET3

These inputs are now being read from: **EXCO\_PEST.EXC** (see new input files section).

* **DR\_OM.DEL** – The following columns/inputs removed from this file:

PSOL, PSOR

BACP, BACLP, MET1, MET2, MET3

These inputs are now being read from: **DR\_PEST.DEL** (see new input files section).

* **RECALL\_DAY.REC FILE** – The following columns/inputs removed from the **recall\_day.rec**, **recall\_ann.rec** and **recall\_month.**rec files)

PSOL, PSOR

BACP, BACLP, MET1, MET2, MET3

1. **OTHER**

* Added new subroutines:

ch\_pesticide\_output.f90

ch\_pesticide\_module.f90

ch\_pathogen\_output.f90

ch\_pathogen\_module.f9

channel\_om\_output.f90

ch\_read\_temp.f90

CH\_RTPATH.F90

ch\_watqual4.f90

CONSTIT\_WATER\_FRAC.F90

CONSTIT\_WATER\_ADD.F90

dtbl\_scen\_read.f90

dtbl\_lum\_read.f90

dtbl\_res\_read.f90

header\_path.f90

header\_pest.f90

hru\_pesticide\_output.f90

hru\_pathogen\_output.f90

HYD\_CONVERT\_MASS\_TO\_CONC.f90 (included in hydrograph\_module.f90)

HYD\_CONVERT\_CONC\_TO\_MASS.f90 (included in hydrograph\_module.f90)

pathogen\_init.f90

om\_water\_init.f90

pest\_water\_init.f90

path\_water\_init.f90

output\_ls\_pathogen\_module.f90

output\_ls\_pesticide\_module.f90

SD\_HYDSED\_READ.F90

SD\_HYDSED\_INIT.F90

PATHPARM\_READ.F90

PATH\_LS\_SWROUTING.F90

PATH\_LS\_PROCESS.F90

PATH\_LS\_RUNOFF.F90

PATHOGEN\_DATA\_MODULE.F90

PATH\_APPLY.F90

SOIL\_PLANT\_INIT.F90

HMET\_HRU\_INIT.F90

PATH\_HRU\_INIT.F90

SALT\_HRU\_INIT.F90

PEST\_HRU\_INIT.F90

pst\_apply.f90

res\_convert\_mass.f90

* Deleted subroutines:

Ch\_rtbact.f90

ch\_rthpest.f90

BAC\_READ\_LSPARMS.F90

Bacteria\_init.f90

Hru\_soil\_assign.f90

Mgt\_tillmix.f90

hmet\_soil\_init.f90

path\_soil\_init.f90

pest\_soil\_init.f90

salt\_soil\_init.f90

CH\_RTHMUSK.F90

* **The following calibration subroutines were renamed:**



* **The following output files were renamed:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **old output name** | **NEW OUTPUT FILENAME** |  | **old CSV filename** | **NEW CVS FILE NAME** |
| **waterbal\_day\_bsn.txt** | **basin\_wb\_day.txt** |  | **waterbal\_day\_bsn.csv** | **basin\_wb\_day.csv** |
| **waterbal\_mon\_bsn.txt** | **basin\_wb\_mon.txt** |  | **waterbal\_mon\_bsn.csv** | **basin\_wb\_mon.csv** |
| **waterbal\_yr\_bsn.txt** | **basin\_wb\_yr.txt** |  | **waterbal\_yr\_bsn.csv** | **basin\_wb\_yr.csv** |
| **waterbal\_aa\_bsn.txt** | **basin\_wb\_aa.txt** |  | **waterbal\_aa\_bsn.csv** | **basin\_wb\_aa.csv** |
|  |  |  |  |  |
| **nutbal\_day\_bsn.txt** | **basin\_nb\_day.txt** |  | **nutbal\_day\_bsn.csv** | **basin\_nb\_day.csv** |
| **nutbal\_mon\_bsn.txt** | **basin\_nb\_mon.txt** |  | **nutbal\_mon\_bsn.csv** | **basin\_nb\_mon.csv** |
| **nutbal\_yr\_bsn.txt** | **basin\_nb\_yr.txt** |  | **nutbal\_yr\_bsn.csv** | **basin\_nb\_yr.csv** |
| **nutbal\_aa\_bsn.txt** | **basin\_nb\_aa.txt** |  | **nutbal\_aa\_bsn.csv** | **basin\_nb\_aa.csv** |
|  |  |  |  |  |
| **losses\_day\_bsn.txt** | **basin\_ls\_day.txt** |  | **losses\_day\_bsn.csv** | **basin\_ls\_day.csv** |
| **losses\_mon\_bsn.txt** | **basin\_ls\_mon.txt** |  | **losses\_mon\_bsn.csv** | **basin\_ls\_mon.csv** |
| **losses\_yr\_bsn.txt** | **basin\_ls\_yr.txt** |  | **losses\_yr\_bsn.csv** | **basin\_ls\_yr.csv** |
| **losses\_aa\_bsn.txt** | **basin\_ls\_aa.txt** |  | **losses\_aa\_bsn.csv** | **basin\_ls\_aa.csv** |
|  |  |  |  |  |
| **plantwx\_day\_bsn.txt** | **basin\_pw\_day.txt** |  | **plantwx\_day\_bsn.csv** | **basin\_pw\_day.csv** |
| **plantwx\_mon\_bsn.txt** | **basin\_pw\_mon.txt** |  | **plantwx\_mon\_bsn.csv** | **basin\_pw\_mon.csv** |
| **plantwx\_yr\_bsn.txt** | **basin\_pw\_yr.txt** |  | **plantwx\_yr\_bsn.csv** | **basin\_pw\_yr.csv** |
| **plantwx\_aa\_bsn.txt** | **basin\_pw\_aa.txt** |  | **plantwx\_aa\_bsn.csv** | **basin\_pw\_aa.csv** |
|  |  |  |  |  |
| **aquifer\_day\_bsn.txt** | **basin\_aqu\_day.txt** |  | **aquifer\_day\_bsn.csv** | **basin\_aqu\_day.csv** |
| **aquifer\_mon\_bsn.txt** | **basin\_aqu\_mon.txt** |  | **aquifer\_mon\_bsn.csv** | **basin\_aqu\_mon.csv** |
| **aquifer\_yr\_bsn.txt** | **basin\_aqu\_yr.txt** |  | **aquifer\_yr\_bsn.csv** | **basin\_aqu\_yr.csv** |
| **aquifer\_aa\_bsn.txt** | **basin\_aqu\_aa.txt** |  | **aquifer\_aa\_bsn.csv** | **basin\_aqu\_aa.csv** |
|  |  |  |  |  |
| **reservoir\_day\_bsn.txt** | **basin\_res\_day.txt** |  | **reservoir\_day\_bsn.csv** | **basin\_res\_day.csv** |
| **reservoir\_mon\_bsn.txt** | **basin\_res\_mon.txt** |  | **reservoir\_mon\_bsn.csv** | **basin\_res\_mon.csv** |
| **reservoir\_yr\_bsn.txt** | **basin\_res\_yr.txt** |  | **reservoir\_yr\_bsn.csv** | **basin\_res\_yr.csv** |
| **reservoir\_aa\_bsn.txt** | **basin\_res\_aa.txt** |  | **reservoir\_aa\_bsn.csv** | **basin\_res\_aa.csv** |
|  |  |  |  |  |
| **channel\_day\_bsn.txt** | **basin\_cha\_day.txt** |  | **channel\_day\_bsn.csv** | **basin\_cha\_day.csv** |
| **channel\_mon\_bsn.txt** | **basin\_cha\_mon.txt** |  | **channel\_mon\_bsn.csv** | **basin\_cha\_mon.csv** |
| **channel\_yr\_bsn.txt** | **basin\_cha\_yr.txt** |  | **channel\_yr\_bsn.csv** | **basin\_cha\_yr.csv** |
| **channel\_aa\_bsn.txt** | **basin\_cha\_aa.txt** |  | **channel\_aa\_bsn.csv** | **basin\_cha\_aa.csv** |
|  |  |  |  |  |
| **channel\_day\_sd\_bsn.txt** | **basin\_sd\_cha\_day.txt** |  | **channel\_day\_sd\_bsn.csv** | **basin\_sd\_cha\_day.csv** |
| **channel\_mon\_sd\_bsn.txt** | **basin\_sd\_cha\_mon.txt** |  | **channel\_mon\_sd\_bsn.csv** | **basin\_sd\_cha\_mon.csv** |
| **channel\_yr\_sd\_bsn.txt** | **basin\_sd\_cha\_yr.txt** |  | **channel\_yr\_sd\_bsn.csv** | **basin\_sd\_cha\_yr.csv** |
| **channel\_aa\_sd\_bsn.txt** | **basin\_sd\_cha\_aa.txt** |  | **channel\_aa\_sd\_bsn.csv** | **basin\_sd\_cha\_aa.csv** |
|  |  |  |  |  |
| **pts\_day\_bsn.txt** | **basin\_psc\_day.txt** |  | **pts\_day\_bsn.csv** | **basin\_psc\_day.csv** |
| **pts\_mon\_bsn.txt** | **basin\_psc\_mon.txt** |  | **pts\_mon\_bsn.csv** | **basin\_psc\_mon.csv** |
| **pts\_yr\_bsn.txt** | **basin\_psc\_yr.txt** |  | **pts\_yr\_bsn.csv** | **basin\_psc\_yr.csv** |
| **pts\_aa\_bsn.txt** | **basin\_psc\_aa.txt** |  | **pts\_aa\_bsn.csv** | **basin\_psc\_aa.csv** |
|  |  |  |  |  |
| **waterbal\_day\_lsu.txt** | **lsunit\_wb\_day.txt** |  | **waterbal\_day\_lsu.csv** | **lsunit\_wb\_day.csv** |
| **waterbal\_mon\_lsu.txt** | **lsunit\_wb\_mon.txt** |  | **waterbal\_mon\_lsu.csv** | **lsunit\_wb\_mon.csv** |
| **waterbal\_yr\_lsu.txt** | **lsunit\_wb\_yr.txt** |  | **waterbal\_yr\_lsu.csv** | **lsunit\_wb\_yr.csv** |
| **waterbal\_aa\_lsu.txt** | **lsunit\_wb\_aa.txt** |  | **waterbal\_aa\_lsu.csv** | **lsunit\_wb\_aa.csv** |
|  |  |  |  |  |
| **nutbal\_day\_lsu.txt** | **lsunit\_nb\_day.txt** |  | **nutbal\_day\_lsu.csv** | **lsunit\_nb\_day.csv** |
| **nutbal\_mon\_lsu.txt** | **lsunit\_nb\_mon.txt** |  | **nutbal\_mon\_lsu.csv** | **lsunit\_nb\_mon.csv** |
| **nutbal\_yr\_lsu.txt** | **lsunit\_nb\_yr.txt** |  | **nutbal\_yr\_lsu.csv** | **lsunit\_nb\_yr.csv** |
| **nutbal\_aa\_lsu.txt** | **lsunit\_nb\_aa.txt** |  | **nutbal\_aa\_lsu.csv** | **lsunit\_nb\_aa.csv** |
|  |  |  |  |  |
| **losses\_day\_lsu.txt** | **lsunit\_ls\_day.txt** |  | **losses\_day\_lsu.csv** | **lsunit\_ls\_day.csv** |
| **losses\_mon\_lsu.txt** | **lsunit\_ls\_mon.txt** |  | **losses\_mon\_lsu.csv** | **lsunit\_ls\_mon.csv** |
| **losses\_yr\_lsu.txt** | **lsunit\_ls\_yr.txt** |  | **losses\_yr\_lsu.csv** | **lsunit\_ls\_yr.csv** |
| **losses\_aa\_lsu.txt** | **lsunit\_ls\_aa.txt** |  | **losses\_aa\_lsu.csv** | **lsunit\_ls\_aa.csv** |
|  |  |  |  |  |
| **plantwx\_day\_lsu.txt** | **lsunit\_pw\_day.txt** |  | **plantwx\_day\_lsu.csv** | **lsunit\_pw\_day.csv** |
| **plantwx\_mon\_lsu.txt** | **lsunit\_pw\_mon.txt** |  | **plantwx\_mon\_lsu.csv** | **lsunit\_pw\_mon.csv** |
| **plantwx\_yr\_lsu.txt** | **lsunit\_pw\_yr.txt** |  | **plantwx\_yr\_lsu.csv** | **lsunit\_pw\_yr.csv** |
| **plantwx\_aa\_lsu.txt** | **lsunit\_pw\_aa.txt** |  | **plantwx\_aa\_lsu.csv** | **lsunit\_pw\_aa.csv** |
|  |  |  |  |  |
| **waterbal\_day\_sd.txt** | **hru-lte\_wb\_day.txt** |  | **waterbal\_day\_sd.csv** | **hru-lte\_wb\_day.csv** |
| **waterbal\_mon\_sd.txt** | **hru-lte\_wb\_mon.txt** |  | **waterbal\_mon\_sd.csv** | **hru-lte\_wb\_mon.csv** |
| **waterbal\_yr\_sd.txt** | **hru-lte\_wb\_yr.txt** |  | **waterbal\_yr\_sd.csv** | **hru-lte\_wb\_yr.csv** |
| **waterbal\_aa\_sd.txt** | **hru-lte\_wb\_aa.txt** |  | **waterbal\_aa\_sd.csv** | **hru-lte\_wb\_aa.csv** |
|  |  |  |  |  |
| **nutbal\_day\_sd.txt** | **no nutrients hru-lte** |  | **nutbal\_day\_sd.csv** | **no nutrients hru-lte** |
| **nutbal\_mon\_sd.txt** | **no nutrients hru-lte** |  | **nutbal\_mon\_sd.csv** | **no nutrients hru-lte** |
| **nutbal\_yr\_sd.txt** | **no nutrients hru-lte** |  | **nutbal\_yr\_sd.csv** | **no nutrients hru-lte** |
| **nutbal\_aa\_sd.txt** | **no nutrients hru-lte** |  | **nutbal\_aa\_sd.csv** | **no nutrients hru-lte** |
|  |  |  |  |  |
| **losses\_day\_sd.txt** | **hru-lte\_ls\_day.txt** |  | **losses\_day\_sd.csv** | **hru-lte\_ls\_day.csv** |
| **losses\_mon\_sd.txt** | **hru-lte\_ls\_mon.txt** |  | **losses\_mon\_sd.csv** | **hru-lte\_ls\_mon.csv** |
| **losses\_yr\_sd.txt** | **hru-lte\_ls\_yr.txt** |  | **losses\_yr\_sd.csv** | **hru-lte\_ls\_yr.csv** |
| **losses\_aa\_sd.txt** | **hru-lte\_ls\_aa.txt** |  | **losses\_aa\_sd.csv** | **hru-lte\_ls\_aa.csv** |
|  |  |  |  |  |
| **plantwx\_day\_sd.txt** | **hru-lte\_pw\_day.txt** |  | **plantwx\_day\_sd.csv** | **hru-lte\_pw\_day.csv** |
| **plantwx\_mon\_sd.txt** | **hru-lte\_pw\_mon.txt** |  | **plantwx\_mon\_sd.csv** | **hru-lte\_pw\_mon.csv** |
| **plantwx\_yr\_sd.txt** | **hru-lte\_pw\_yr.txt** |  | **plantwx\_yr\_sd.csv** | **hru-lte\_pw\_yr.csv** |
| **plantwx\_aa\_sd.txt** | **hru-lte\_pw\_aa.txt** |  | **plantwx\_aa\_sd.csv** | **hru-lte\_pw\_aa.csv** |
|  |  |  |  |  |
| **channel\_day.txt** | **channel\_day.txt** |  | **channel\_day.csv** | **channel\_day.csv** |
| **channel\_mon.txt** | **channel\_mon.txt** |  | **channel\_mon.csv** | **channel\_mon.csv** |
| **channel\_yr.txt** | **channel\_yr.txt** |  | **channel\_yr.csv** | **channel\_yr.csv** |
| **channel\_aa.txt** | **channel\_aa.txt** |  | **channel\_aa.csv** | **channel\_aa.csv** |
|  |  |  |  |  |
| **channel\_day\_sd.txt** | **channel\_sd\_day.txt** |  | **channel\_day\_sd.csv** | **channel\_sd\_day.csv** |
| **channel\_mon\_sd.txt** | **channel\_sd\_mon.txt** |  | **channel\_mon\_sd.csv** | **channel\_sd\_mon.csv** |
| **channel\_yr\_sd.txt** | **channel\_sd\_yr.txt** |  | **channel\_yr\_sd.csv** | **channel\_sd\_yr.csv** |
| **channel\_aa\_sd.txt** | **channel\_sd\_aa.txt** |  | **channel\_aa\_sd.csv** | **channel\_sd\_aa.csv** |
|  |  |  |  |  |
| **output filename** | **same name** |  | **CSV filename** | **same name** |
| **aquifer\_day.txt** | **aquifer\_day.txt** |  | **aquifer\_day.csv** | **aquifer\_day.csv** |
| **aquifer\_mon.txt** | **aquifer\_mon.txt** |  | **aquifer\_mon.csv** | **aquifer\_mon.csv** |
| **aquifer\_yr.txt** | **aquifer\_yr.txt** |  | **aquifer\_yr.csv** | **aquifer\_yr.csv** |
| **aquifer\_aa.txt** | **aquifer\_aa.txt** |  | **aquifer\_aa.csv** | **aquifer\_aa.csv** |
|  |  |  |  |  |
| **output filename** | **same name** |  | **CSV filename** | **same name** |
| **reservoir\_day.txt** | **reservoir\_day.txt** |  | **reservoir\_day.csv** | **reservoir\_day.csv** |
| **reservoir\_mon.txt** | **reservoir\_mon.txt** |  | **reservoir\_mon.csv** | **reservoir\_mon.csv** |
| **reservoir\_yr.txt** | **reservoir\_yr.txt** |  | **reservoir\_yr.csv** | **reservoir\_yr.csv** |
| **reservoir\_aa.txt** | **reservoir\_aa.txt** |  | **reservoir\_aa.csv** | **reservoir\_aa.csv** |
|  |  |  |  |  |
| **output filename** | **same name** |  | **CSV filename** | **same name** |
| **wetland\_day.txt** | **wetland\_day.txt** |  | **wetland\_day.csv** | **wetland\_day.csv** |
| **wetland\_mon.txt** | **wetland\_mon.txt** |  | **wetland\_mon.csv** | **wetland\_mon.csv** |
| **wetland\_yr.txt** | **wetland\_yr.txt** |  | **wetland\_yr.csv** | **wetland\_yr.csv** |
| **wetland\_aa.txt** | **wetland\_aa.txt** |  | **wetland\_aa.csv** | **wetland\_aa.csv** |
|  |  |  |  |  |
| **output filename** | **same name** |  | **CSV filename** | **same name** |
| **hydin\_day.txt** | **hydin\_day.txt** |  | **hydin\_day.csv** | **hydin\_day.csv** |
| **hydin\_mon.txt** | **hydin\_mon.txt** |  | **hydin\_mon.csv** | **hydin\_mon.csv** |
| **hydin\_yr.txt** | **hydin\_yr.txt** |  | **hydin\_yr.csv** | **hydin\_yr.csv** |
| **hydin\_aa.txt** | **hydin\_aa.txt** |  | **hydin\_aa.csv** | **hydin\_aa.csv** |
|  |  |  |  |  |
| **output filename** | **same name** |  | **CSV filename** | **same name** |
| **hydout\_day.txt** | **hydout\_day.txt** |  | **hydout\_day.csv** | **hydout\_day.csv** |
| **hydout\_mon.txt** | **hydout\_mon.txt** |  | **hydout\_mon.csv** | **hydout\_mon.csv** |
| **hydout\_yr.txt** | **hydout\_yr.txt** |  | **hyd\_yr\_hyd.csv** | **hyd\_yr\_hyd.csv** |
| **hydout\_aa.txt** | **hydout\_aa.txt** |  | **hydout\_aa.csv** | **hydout\_aa.csv** |
|  |  |  |  |  |
| **output filename** |  |  | **CSV filename** |  |
| **routing\_units\_day.txt** | **ru\_day.txt** |  | **routing\_units\_day.csv** | **ru\_day.csv** |
| **routing\_units\_mon.txt** | **ru\_mon.txt** |  | **routing\_units\_mon.csv** | **ru\_mon.csv** |
| **routing\_units\_yr.txt** | **ru\_yr.txt** |  | **routing\_units\_yr.csv** | **ru\_yr.csv** |
| **routing\_units\_aa.txt** | **ru\_aa.txt** |  | **routing\_units\_aa.csv** | **ru\_aa.csv** |
|  |  |  |  |  |
| **output filename** | **same name** |  | **CSV filename** |  |
| **soil\_nutcarb\_out.txt** | **soil\_nutcarb\_out.txt** |  | **NO CSV FILE** |  |
|  |  |  |  |  |
| **output filename** | **same name** |  | **CSV filename** |  |
| **mgt\_out.txt** | **mgt\_out.txt** |  | **NO CSV FILE** |  |
|  |  |  |  |  |
| **output filename** | **same name** |  |  |  |
| **flow\_duration\_curve.out** | **flow\_duration\_curve.out** |  |  |  |
|  |  |  |  |  |
| **pco%hyd== y** | **same name** |  | **CSV filename** | **same name** |
| **deposition\_day.txt** | **deposition\_day.txt** |  | **deposition\_day.csv** | **deposition\_day.csv** |
| **deposition\_mon.txt** | **deposition\_mon.txt** |  | **deposition\_mon.csv** | **deposition\_mon.csv** |
| **deposition\_yr.txt** | **deposition\_yr.txt** |  | **deposition\_yr.csv** | **deposition\_yr.csv** |
| **deposition\_aa.txt** | **deposition\_aa.txt** |  | **deposition\_aa.csv** | **deposition\_aa.csv** |
|  |  |  |  |  |
|  | **same name** |  | **CSV filename** | **same name** |
| **channel\_om\_day.txt** | **channel\_om\_day.txt** |  | **channel\_om\_day.csv** | **channel\_om\_day.csv** |
| **channel\_om\_mon.txt** | **channel\_om\_mon.txt** |  | **channel\_om\_mon.csv** | **channel\_om\_mon.csv** |
| **channel\_om\_yr.txt** | **channel\_om\_yr.txt** |  | **channel\_om\_yr.csv** | **channel\_om\_yr.csv** |
| **channel\_om\_aa.txt** | **channel\_om\_aa.txt** |  | **channel\_om\_aa.csv** | **channel\_om\_aa.csv** |
|  |  |  |  |  |
|  | **same name** |  | **CSV filename** | **same name** |
| **channel\_path\_day.txt** | **channel\_path\_day.txt** |  | **channel\_path\_day.csv** | **channel\_path\_day.csv** |
| **channel\_path\_mon.txt** | **channel\_path\_mon.txt** |  | **channel\_path\_mon.csv** | **channel\_path\_mon.csv** |
| **channel\_path\_yr.txt** | **channel\_path\_yr.txt** |  | **channel\_path\_yr.csv** | **channel\_path\_yr.csv** |
| **channel\_path\_aa.txt** | **channel\_path\_aa.txt** |  | **channel\_path\_aa.csv** | **channel\_path\_aa.csv** |
|  |  |  |  |  |
|  | **same name** |  | **CSV filename** | **same name** |
| **hru\_path\_day.txt** | **hru\_path\_day.txt** |  | **hru\_path\_day.csv** | **hru\_path\_day.csv** |
| **hru\_path\_mon.txt** | **hru\_path\_mon.txt** |  | **hru\_path\_mon.csv** | **hru\_path\_mon.csv** |
| **hru\_path\_yr.txt** | **hru\_path\_yr.txt** |  | **hru\_path\_yr.csv** | **hru\_path\_yr.csv** |
| **hru\_path\_aa.txt** | **hru\_path\_aa.txt** |  | **hru\_path\_aa.csv** | **hru\_path\_aa.csv** |
|  |  |  |  |  |
|  | **same name** |  | **CSV filename** | **same name** |
| **hru\_pest\_day.txt** | **hru\_pest\_day.txt** |  | **hru\_pest\_day.csv** | **hru\_pest\_day.csv** |
| **hru\_pest\_mon.txt** | **hru\_pest\_mon.txt** |  | **hru\_pest\_mon.csv** | **hru\_pest\_mon.csv** |
| **hru\_pest\_yr.txt** | **hru\_pest\_yr.txt** |  | **hru\_pest\_yr.csv** | **hru\_pest\_yr.csv** |
| **hru\_pest\_aa.txt** | **hru\_pest\_aa.txt** |  | **hru\_pest\_aa.csv** | **hru\_pest\_aa.csv** |