d:\swatplus\_code\Rev50\_docs

**REVISION 50 – May 25, 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 filesPLA

1. Existing input files

List of changes in input files

1. Other

Other files that were modified in this revision.

1. **NEW INPUT FILES**

* New soils input file for **LTE simulations**  
  filename: SOILS.LTE.SOL

(currently not included in file.cio)

1. **NEW OUTPUT FILES**
2. **EXISTING OUTPUT FILES**
3. **EXISTING INPUT FILES**
4. \*\*NOTE\*\* Example input datasets were not updated in PLANT.INI file (igro column to character)

They were updated in this revision.

1. IGRO renamed to GRO
2. Corrections to a couple of decision table inputs (1. minimum\_till number for ACTS column. 2. Two names entered for ‘plant\_harv\_c-sb’ (pl\_hav\_c-sb is correct).
3. Added plants with biomes input data (Allan Jones work) in the ‘plants.plt’ input file;
4. D\_TABLE.DTL updated
5. HRU\_LTE.HRU – the following are now characters:

ITEXT (renamed to TEXT)

1=sand; 2=loamy\_sand; 3=sandy\_loam; 4=loam; 5=silt\_loam; 6=silt; 7=silty\_clay;

8=clay\_loam; 9=sandy\_clay\_loam; 10=sandy\_clay; 11=silty\_clay; 12=clay;

1. HRU\_LTE.HRU – IGROW1 and IGROW2 are both characters:

1 == ‘pl\_grow\_sum’ (from dtable.dtl file)

2 == ‘pl\_end\_sum’ “

3 == ‘pl\_grow\_win’ “

4 == ‘pl\_end\_win’ “

1. HRU\_LTE.HRU – TROPICAL changed to character: 0=”non\_trop”; 1=”trop”
2. HRU\_LTE.HRU – IPET changed to character: 0=”harg”; 1=”p\_t”;
3. HRU\_LTE.HRU – IRR changed to character: 0=”no\_irr”; 1=”irr”’;
4. HRU\_LTE.HRU – IRRSC changed to character: 0=”outside\_bsn”; 1=“shal\_aqu”; 2=”deep\_aqu”
5. **OTHER**

* IDORM changed to character (not an input)

old ‘0’ = land cover growing is now ‘n’

old ‘1’ = land cover dormant is now ‘y’

* Split HRU\_MODULE.F90 – took out types for new SOIL\_MODULE.F90 and PLANT\_MODULE.F90
* NEW subroutine: MGT\_BIO\_DROP.F90
* SOIL\_LTE\_DB\_READ.F90
* Deleted EXCO\_READ.F90
* Deleted DR\_READ.F90
* HLT(\*)%igro changed to character and renamed to GRO (not an input)

Old ‘0’ = ‘n’

Old ‘1’ = ‘y’