

mkmod8

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What is new in mkmod8

- Fixed bug in soil moisture accounting
- Add other budget items in summaries
- More flexible output options

Deficit/Excess Calculation (SW)

- $\text{NetApp} = \text{Eff}(\text{Gr}/\text{Sp}) * \text{Application} - \text{CIR}$
 - if $\text{NetApp} > 0$, $\text{excess} = \text{NetApp}$, $\text{deficit} = 0$
 - if $\text{NetApp} < 0$, $\text{excess} = 0$, $\text{deficit} = -\text{NetApp}$
- Optional Soil Moisture Adjustment
 - $\text{SMsink} = \text{field capacity} - \text{soil moisture}$
 - $\text{SMsource} = \text{soil moisture} - \text{wilting point}$
 - If $\text{deficit} > 0$ & $\text{SMsource} > 0$
 - $\text{SMchange} = -\min(\text{SMsource}, \text{deficit})$
 - $\text{deficit} = \text{deficit} + \text{SMchange}$
 - If $\text{excess} > 0$ & $\text{SMsink} > 0$
 - $\text{SMchange} = \min(\text{SMsink}, \text{excess})$
 - $\text{excess} = \text{excess} - \text{SMchange}$

New Output Summary Fields

- Canal Seepage
- Tributary Underflow
- Perched River Seepage
- Appears under *Other Components* in the overall summary table
- Units are acre-feet for the stress period

Command Line Parameters

- Stress output options
Separate output files including steady state
 - s single output file ('well term')
 - ss No steady state, single output file
 - sss Production mode only output is well file
 - S No steady state, separate output files**
- Without steady state (-ss, -sss & -S)
memory use is greatly reduced.