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| --- | --- | --- | --- |
| Issue | Major | Responsible | Fixed |
| Process rate resize issue |  | SA |  |
| Light and Temperature |  | SA | 0.0.9 |
| Light and Temperature to the engine | \* | AM |  |
| Semi-colon at end of lines in script | \* | SA | 0.0.8 |
| Inflow units |  | SA |  |
| Beaver Dams in streams |  | SA | 0.0.8? |
| There are two "build-up" properties for catchment |  | SA | 0.0.8 |
| Catchment should not have a saturated hydraulic conductivity | \* | SA | 0.0.8 |
| Catchment should have Manning's roughness property | \* | SA | 0.0.8 |
| Catchment grid dialog should be different than the rest (let's talk about it) |  | SA | 0.0.8 |
| For catchment precipitation default should be Yes |  | SA | 0.0.8 |
| For external flux when the model is not free surface velocity exponent and depth exponent are not needed |  | SA | 0.0.62 |
| Connectors: Area and ~~Ks~~ should not be set (set val) when they are not entered |  | SA | 0.0.9 |
| Storativitiy for Soil and Darcy |  | AM & SA | 0.0.9 |
| For Darcy block the default value for the initial moisture content should be equal to the saturated moisture content |  | AM & SA | \*\* |
| Removing processes in reaction crashes |  | SA | 0.0.50 |
| No flow in stream-Darcy connector |  | AM & SA | 0.0.9 |
| Initial Time step |  | SA | Default value removed 0.0.13 |
| Oscillation tolerance is allowed to be smaller than 0.01 with warning |  | SA | 0.0.13 |
| In the post-processing Add:  1-Moisture Content  2-Water Depth  3-Velocity (connector)  4-Area (connector) |  | SA | Blocks 0.0.14  0.0.18 |
| Aeration model: Constant rate |  | SA | 0.0.18 |
| External Flux fix |  | SA | 0.0.13 |
| New Crashes |  | SA | 0.0.14 |
| Setup seem to add the program to the startup menu |  | SA | 0.0.14 |
| Dam does not work |  | AM | 0.0.50 |
| Initial timestep default should be 0.01 |  | SA | 0.0.14 |
| Vapor diffusion in all blocks should be allowed to be zero |  | SA | 0.0.14 |
| Test Rating curve |  | SA and AM |  |
| Rating curve should have a datum |  | AM & SA | 0.0.15 |
| Pipe must have a z1 and z2 |  | SA | - |
| Manning roughness unit should be checked |  | AM & SA | 0.0.15 |
| Uniformoutput default should be true |  | SA | 0.0.15 |
| Rating curve\_datum be added |  | SA | 0.0.15 |
| Multiple External Fluxes |  | SA |  |
| Repeated Names |  | SA | 0.0.19 |
| Write Solution names: No default item is needed. Default is no. |  |  | 0.0.30 |
| Moisture content in the output is not calculated correctly. It is always 0 |  | SA | 0.0.30 |
| Prescribed flow in connectors |  | SA | 0.0.30 |
| Soil Moisture content is always plotted as zero |  | SA | 0.0.30 |
| Right click on temperature time-series does not show the graph option |  | SA | 0.0.30 |
| Settling properties of constituents to be added |  | SA | 0.0.30 |
| Either make the top menus functional or remove them |  | SA |  |
| Soil Types |  | SA | 0.0.34 |
| Uniform time-step output does not work |  | SA | 0.0.45 |
| Show precipitation graph |  | SA | 0.0.45 |
| Precipitation does not work with headings “//” |  | SA | 0.0.45 |
| Delete Bulk density from pond and but force it to be 1 |  | SA | 0.0.45 |
| Pond should not have saturated moisture content |  | SA | 0.0.45 |
| Soil-pond example stuck |  | AM |  |
| Stop does not work |  | SA | 0.0.62 |
| When you force shut down the program, it is still in the processes and simulation continues |  | SA |  |
| Settling velocity needs a unit |  | SA | 0.0.45 ? |
| Make solution method a dropdown menu |  | SA | 0.0.62 |
| Fix the properties of connectors, The default type should be “Default”. |  | AM & SA | 0.0.60 |
| Changed “combined” to “Penman” in the evaporation model |  | SA | 0.0.55 |
| Constituents and particles cannot be selected as observed data. A “Hello” item shows up when constituent is selected |  | SA | 0.0.64 |
| In the log window errors for connectors are written as Block:… |  | SA | 0.0.64 |
| It will be good if Name of connectors are updated based on block names (but not absolutely necessary) |  |  |  |
| Tooltips on icons do |  |  |  |
| Change “Property Dialog” to “Properties” |  |  | 0.0.54 |
| Make the caption of the grid dialog box “Grid” |  |  | 0.0.54 |
| Grid needs units. Can we use XString instead of string? |  |  | 0.0.63 |
| Rating curve exponent and coefficient are sent to the engine the other way around. |  |  | 0.0.54 |
| When a grid is generated the type of the connector is not default. |  |  | 0.0.62 |
| Datum should have a length unit. |  |  | 0.0.65 |
| The key for rating curve is “rating\_curve”. |  |  | 0.0.54 |
| Sassan: Let's arrange the setting in this way:  Project Setting  - Start and End time  - Description  - Steady State Hydraulics  - Working path    Climatic Setting:  - Precipitation  - Light  - Humidity  - Temperature  - Wind  Solver Setting:  - The rest |  |  | 0.0.55 |
| Change "Crank-Nicholson time weighting" to "Time Weighting factor" |  |  | 0.0.55 |
| The property names should be consistent in terms of capitalization |  |  | 0.0.64 |
| I guess we can remove forward/inverse simulation item. |  |  | 0.0.55 |
| Change "initial time step" to "Initial time step size". |  |  | 0.0.55 |
| Change "Uniform output export interval" to "Uniform output interval". |  |  | 0.0.55 |
| Change "Jacobian Matrix update interval" to "Jacobian update interval" |  |  | 0.0.55 |
| Prefered lower limit of NR iterations. I think "Prefered " is misspelled. |  |  | 0.0.55 |
| Pond have two subtypes one is "Pond" and the other one is "pond", it should only have one. |  |  | 0.0.55 |
| We better change "Grid" to "Array". |  |  | 0.0.65 |
| Pond needs a length property |  |  | 0.0.55 |
| The default value of bulk density for soils is roughly 1400-1600 kg/m3 |  |  | 0.0.55 |
| Epsilon and n\_c parameters should be added to storage. |  |  | 0.0.55 |
| Catchment doesn't need a bulk density property |  |  | 0.0.55 |
| Stream doesn't need bulk density property |  |  | 0.0.55 |
| Change the name of "combined" evaporation model to Penman. |  |  | 0.0.55 |
| Connectors connecting Surface water blocks with default connectors don’t need saturated hydraulic conductivity. |  |  | 0.0.55 |
| The top menus should either function or be eliminated. |  |  |  |
| Change "light" to "solar-radiation" everywhere. |  |  | 0.0.56 |
| For single phase colloid model the following parameters are not needed:  - Attachment efficiency  - Collection efficiency  -Critical velocity of release  - Irreversible collection fraction  - release rate coefficient  - specific surface area |  |  | 0.0.56 |
| For dual phase particle model "irreversible collection fraction" is not needed. |  |  | 0.0.56 |
| Add a cm2 unit to bottom area and cm to depth. |  |  | 0.0.63 |
| Pond, stream, catchment do not need bulk density input but a bulk density of 1 should be assigned to it. |  |  | 0.0.63 |
| Pond should not have a depth parameter but a depth value of 1 should be assigned. |  |  | 0.0.63 |
| Bulk density in particles need a unit. |  |  | 0.0.63 |
| File/New Crashes |  |  | 0.0.65 |
| Solver Setting does not show the properties |  |  |  |
| Move "quasi steady state hydraulics" to "Project Setting subgroup" |  |  | 0.0.63 |
| In the external flux model we should treat "mode" as a subtype. Some of the properties are not available for some of the models. |  |  |  |
| Diffusion coefficients should all have a unit of L^2/T (e.g. m2/day) |  |  | 0.0.63 |
| Horizontal distance between cell**s** |  |  |  |
| Project Explorer is misspelled. |  |  | 0.0.63 |
| In Initial conditions "remove" doesn't work properly. It removes the empty cell at the bottom of the table. |  |  |  |
| Apply to all cases in Parameters is not needed. |  |  | 0.0.66 |
| Inverse run, experiments icons do not show in the executable version |  |  |  |
| The number of experiments are not updated when a new project is opened. |  |  |  |
| In the result graphs, if the duration is less than 5 days, just show numbers on the x axis (not time) |  |  |  |
| Show the experiment name on the graphs |  |  |  |