This version of IWFM includes the following modifications and corrections:

1. **(08/28/2017)** Z-Budget output for unsaturated zone component is implemented.

2. **(09/27/2017)** In certain cases water demand areas (subregions, cells, group of cells, etc.) were not initiated properly causing a memory error and crashing the Simulation run. This is corrected.

3. **(11/01/2017)** In Stream Component Version 4.2, when stream bed parameters for multiple groundwater nodes corresponding to a single stream node were being entered, Simulation crashed if groundwater node number didn’t match with those listed in the Preprocessor. This is corrected by checking for consistency and producing a proper error message before stopping the execution Simulation.

4. **(12/15/2017)** A faulty information that was printed to unsaturated zone Z-Budget HDF output file was later causing the Z-Budget post-processor to crash. This is corrected.

5. **(01/04/2018)** In the Root Zone Component, for ponded crops, it is now possible to use a saturated hydraulic conductivity that is different from that defined for the entire finite element. This allows better control on calculating the water demands for both ponded and non-ponded crops in the same element.

6. **(01/19/2018)** A logical error in automatically adjusting water supplies downward when supplies were greater than the demand was causing a lot of unnecessary supply adjustment iterations. This is corrected.
7. **(02/27/2018)** Additional modifications were made to the logic of automatic supply
adjustment for more effective iterations.

8. **(03/09/2018)** Adjustments are made to how HDF files are written and read for faster I/O
operations particularly for large Z-Budget files.

9. **(03/14/2018)** Changes to code were made to increase the efficiency of the Newton-Raphson
iteration method.

10. **(03/15/2018)** It is now possible to print both flow and stages at specified stream nodes.
    Before either flows or stages was allowed to be printed, forcing the user to run the model
twice if both information were required. Now using a new flag (IHSQR = 2), both of this
information can be printed. In this case, first printed set of output is for the flows and the
second set is for the stages.