

MBFIT v2.3

June 16, 2011

These release notes document changes relative to version 2.2

NEW FEATURES

1. I converted the percentile functions back to "percentile" instead of "percentile.exc" so that it can run on Excel2007 and 2003

BUG FIXES

None at this time

OTHER

1. I improved the documentation and format a bit.
2. I have not been maintaining the charts. If you wish to graph the results, I have a HydroSep spreadsheet that is good at graphing the separation results.

~~~~~ OLD VERSIONS ~~~~~

MBFIT v2.2

January 12, 2011

These release notes document changes relative to version 2.1

#### NEW FEATURES

1. You can now input flow magnitudes (instead of percentiles) for the high flow pulse upper and lower thresholds in both MBFIT and IHA calculations.
2. All percentile functions have been converted to percentile.exc. This means that MBFIT cannot run on Excel 2003 or 2007, only 2010. If you need to run MBFIT on an older version of Excel, please contact Dan Opdyke at 512-389-8734

#### BUG FIXES

1. Changed a ">" sign in IHA equations to ">=" Note that the TNC IHA software appears to inconsistently treat the rise rate. When RR=25%, sometimes an increase of exactly 25% triggers a high flow pulse, sometimes it does not. I have no idea how to replicate this inconsistent behavior (nor what causes it).

#### OTHER

Note that the code will not work if the lower high flow pulse threshold is zero cfs. Please set the lower high flow pulse threshold to a percentile that results in a non-zero flow value, or set the flow magnitude to a non-zero value directly.

MBFIT v2.1

September 9, 2010

These release notes document changes relative to version 2.01

#### NEW FEATURES

1. The code is now much more automated and thus easier to use. Follow the instructions on sheet "instructions."
2. The code now lets you (optionally) enter the desired small flood threshold value in cfs (instead of return interval). This happens in cell M38.

3. Because the code is more automated, it is fairly easy to run in batch mode. Please contact Dan Opdyke at TPWD (512-389-8734) for more information.

#### BUG FIXES

None at this time

#### OTHER

None at this time