# IMA Change Log

## Version 2.0 - for release August 2019

### Features and Improvements

* Added IWMM official logo, survey description, and contact information to opening page
* Attribute labels align to Avian Knowledge Network (AKN) observation fields
* Added real-time capture of Start and End time fields
* Added more descriptive error messages
* Added instructions for water depth, vegetation height, and habitat cover questions
* Added fields to capture “other methods” used in water depth estimation, flood duration assessment, and “other” disturbance sources
* Added a summary window to reflect species and count entries in “Waterbird Counts”
* Added ability to record multiple counts of the same species and aggregate values in AKN
* Added a summary page for each survey unit that displays data in the same structure as the AKN for easy data review
* “Waterbird Counts” and “Site Conditions” questions are initially in collapsed blocks to reduce screen clutter
* Made more questions conditional to reduce screen clutter
* Included Inbox and features to support synchronized editing with the distributed database in ArcGIS Online
* Captured UTC offset in case a date is incorrectly calculated during data entry
* Removed default values for start temp, visibility, and bird counts

### Bug Fixes

* Future dates aren’t allowed to be input
* Water gauge level can’t be negative
* Number of other observers can’t be negative
* A salinity measure less than 0.5 is automatically converted to zero during submission

### Known Issues

* Unable to delete individual survey units (page 2) after submitting
* Date selected doesn’t reflect date recorded if the application isn’t given access to the tablet’s location
* Can only increment by one for water depth, vegetation height, and habitat cover fields
* “Waterbird Counts” summary doesn’t reflect entered values when retrieved from the inbox
* A record placeholder is retained for “Waterbird Counts” data if the species is deleted in an editing session
* Start and End time values may be lost from page 2 if survey unit names are changed after the survey is initially sent, but are retained on the page 3 summary