

Supplemental document for the FISHstory project

Screenshots highlighting data collection in the current FISHstory project in the Zooniverse platform. Multiple screen shots are included to show all current data collection fields.





Length component data collection. Gray highlighted fields are autopopulated via the form. Non-highlighted fields are input by project participants.

FISHstory ImageJ Analysis Metadata	
Column Name	Description
UniqueID	This column is used to determine what type of measurement each row is, this is autopopulated
MeasurementNumber	Measurement number pasted from ImageJ, copied from ImageJ
PhotoName	Photo file name, copied from ImageJ
X	The x coordinate of the center point of the measurement line, copied from ImageJ
Y	the y coordinate of the center point of the measurement line, copied from ImageJ
Angle	the angle between the primary axis and a line parallel to the x-axis of the image, copied from ImageJ
Length	The length of the measurement line drawn in pixels, copied from ImageJ
CurvedFishYN	Indicates if fish measured was curved. Annotation: yes (Y) or no (N)
FishLevelComments	Any comments pertaining to the fish within that row
Analyst	This indicates who analyzed the photo. Annotation: FirstLast
Species	Indicates which species was measured in the photo. Annotation: SpecisName (no spaces for multiple word). Will be automated for scalar measurements.
TotalHanging	This indicates how many obstructed and unobstructed individuals of the species selected. This is needed for comparison between analysts
PrecentFishNotMeasured	approximate percent of fish that are obstructed in any way. This accounts for potential bias size distribution. This will be combined with bias to determine how to expand to total catch on the trip. Keep percent categorical
BiasYN	Indicate if there is bias in the length of the fish measured compared to non-measured
LumberSize	Size of lumber in leaderboard used to scale photo. 2x4 annotation: 4. 2x6 annotation: 6
AngledPhotoYN	Some photos are taken at an angle. Indicate yes or no to the photo being taken at an angle. Annotation: Yes (Y) or No (N)
UniqueID	This column is used to determine what type of measurement each row is, this is autopopulated

Column Name	Description
LabelNo	Unique Measurement number for each photo. Automated field
MeasurementTypeSF	indicates measurement type: scalar, fork, or total. Automated field
ClosestScalar	indicates the closest scalar to the fish measured. If AngledPhoto is N, then column is automated (AVG). If AngledPhoto is Y enter left (L), middle (M), or right *
ScalarID	The type of measurement, autopopulated based on number
ScalarLenPixels	Individual scalar used to set the scale for the photo based on the angle of the photo in pixels, autopopulated
ActualLumberSizeIn	The actual size of the lumber used to set the scale in inches. For 2x4 the measurement is 3.625 inches, 2x6 the measurement is 5.625 inches, autopopulated
ScaleRatio	the actual size of the lumber in inches divided by the ScalarLenPixels (scalar used) in pixels, autopopulated
LengthInches	The fish length measurement in inches as calculated by the length of fish measurement in pixels multiplied by the ScaleRatio
GeneralComment	Additional Comments