BUGS

The input boxes only allow you enter DECIMAL POINTS if you first enter all the characters (numbers), and then go back and enter the decimal. For example you cannot enter, from scratch, 52.4. You have to first enter 524 then go between the 2 and the 4 and enter a decimal.

Bay Volume – Bricker et al reference. Is this a link? It’s in green, which indicates it might be, but you can’t actually click on it because the dialogue boxes disappear if you move your mouse from the question mark. See below, this latter part is an issue with all the references we want to provide, if we’re doing hyper links to pdf (preferred)

RESET DATA button. This is wonky and gets different results depending on what you’ve been doing. For example, I entered some ‘custom data’ now I’m hitting RESET DATA but nothing is happening in the Bay Properties or the Current Oyster Properties. The only thing that reset was the Goals.

When you are using “Custom Data” and you select your nearest site, you are only told what Ecoregion you are in, you are *not* told what Mass/Formula is being used the same way you’re told when you use an Existing site.

TEXT

**Estuary Filter Volume:** Rate of filtration required to achieve full estuary filtration within the residence time. It is calculated by dividing the bay volume by the residence time and converting the outputs to liters per hour

**Historic Filtration:** ~~This is~~ A reference ~~of historical filtration~~ value of the filtration that would have been provided by the historic oyster habitat where that historic condition of oysters is known (zu Ermgassen et al. 2012~~). for a given bay or estuary where the historic oyster data are available. It~~Historic filtration is not used in calculating current day filtration or restoration goals and ~~only meant to be used as~~ is only a historical reference.

\*note. Can we link to zu Ermgassen et al. 2012? And if we can, need to have the dialogue box allow for clicking a link because currently it goes away if you remove the mouse from the question mark.

**Current Filtration**: The estimate of the current filtration based on the Current Oyster Properties data ~~inputs~~ provided. It is displayed as percent filtration of the Estuary Filter Volume in litres per hour

**Goal Filtration**: The Estuary Filtration Percent (under Goals) displayed in litres per hour

FISH BENEFITS

Fish production data are from zu Ermgassen et al. 2015. Estimates are only available for the ~~based on an extensive literature review for the~~ Northern Gulf of Mexico and part of the Atlantic coast~~s, and are only available for the Northern Gulf of Mexico, (~~Floridian, Carolinian and Virginian ecoregions).

\*need link to zu Ermgassen et al. 2015

**Est. Site Abundance**: Select the estimated site abundance (ind./ha) for the bay or estuary you are calculating for. Default ~~estimated site abundance~~ is mean abundance for either the Gulf of Mexico or Atlantic coast (where applicable). High abundance is mean +1 SD. If species is not present, or occurs in low abundance, select ‘None’.

**# of New Individuals**: The number of new young of the year individuals per year. Calculated by multiplying site abundance by acres of restored habitat required to meet filtration goal ~~by number of individuals per ha.~~

**New Biomass**: The per species biomass, per year. Calculated by multiplying site abundance by acres of restored habitat required to meet filtration goal by biomass for each species per ha.

THE SUMMARY BOX

An estimated **0%** of the bay is currently filtered by oysters. To increase the filtration of the bay to **50%** will require **99 ha (245 ac)** of restored habitat. This restored habitat could support **38.6 M** ~~new~~ young of the year fish per year, with an estimated biomass of **275889 kg per year**.