Figure 1. length weight relationship (filled circles for sampled, open for unsampled) text box with a and b.

Figure 2. dB~B and dB/b~B for each model presentent

Table 1. Equations to estimate mean and total biomass and associated variances.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| Type | Mean | Variance for mean | Biomass estimate | Variance for total |
| Simple random sample |  |  |  |  |
| Stratified random sample |  |  |  |  |
| Length weight |  |  | $Biomass=\sum\_{i}^N |  |

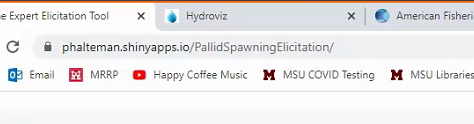


Table 2. Biomass dynamics equations and biological reference points