



Figure 3. The connections between the stock sources and the mixed stocks represent the mean estimated proportion of individuals from each stock that disperse across the studied region and compose mixed stocks. On average, 95.9%, 90% CI[84.18,99.99], of shallow-water individuals remain within shallow-water populations. Only 4.1%, 90% CI [.01,15.81], of shallow-water individuals disperse towards deeper populations. 65.5%, 90% CI[22.11,99.50], of the deep-water stock remain within their deep-water populations, 34.5%, 90% CI[5.00,77.78], of the deep-water stock disperse towards shallow-water populations. Analysis was done through Bayesian Stock Mixture Analysis, an MCMC method (iterations = 50000, burn-in = 25000). 5 chains converged and for all estimates  $\text{rhat} = 1$ .