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Cleary, J.S., Hawkshaw, S., Grinnell, M.H., and Grandin, C. Stock Assessment for Pacific Herring (*Clupea pallasii*) in British Columbia in 2017 and forecast for 2018. CSAP Working Paper 2017PEL01.

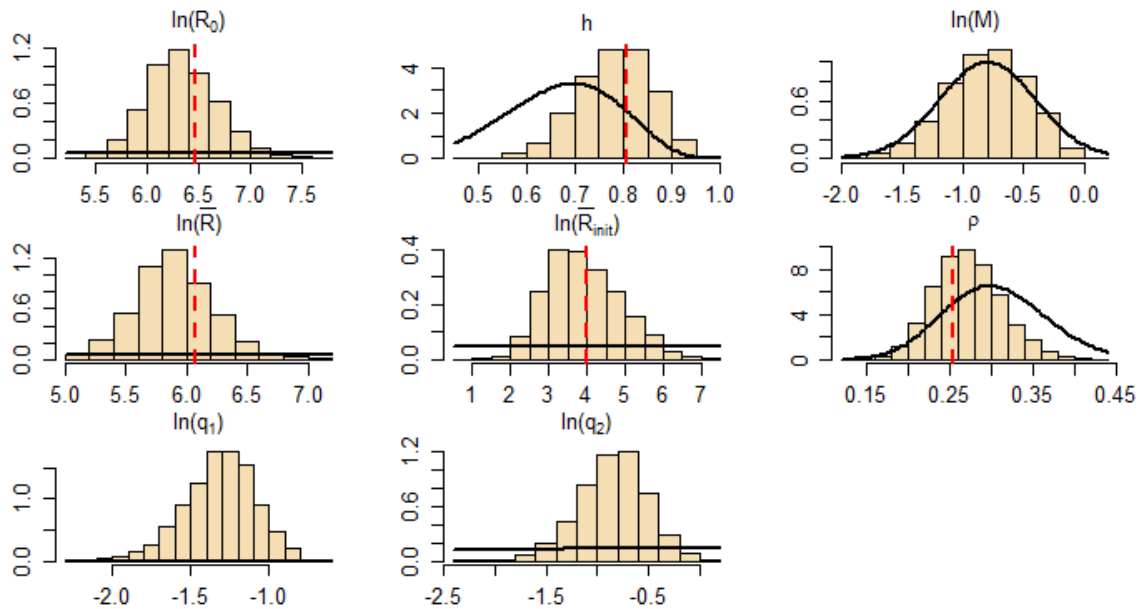


Figure 1. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Haida Gwaii AM1 model with the standard deviation on survey  $q$  set to 3. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

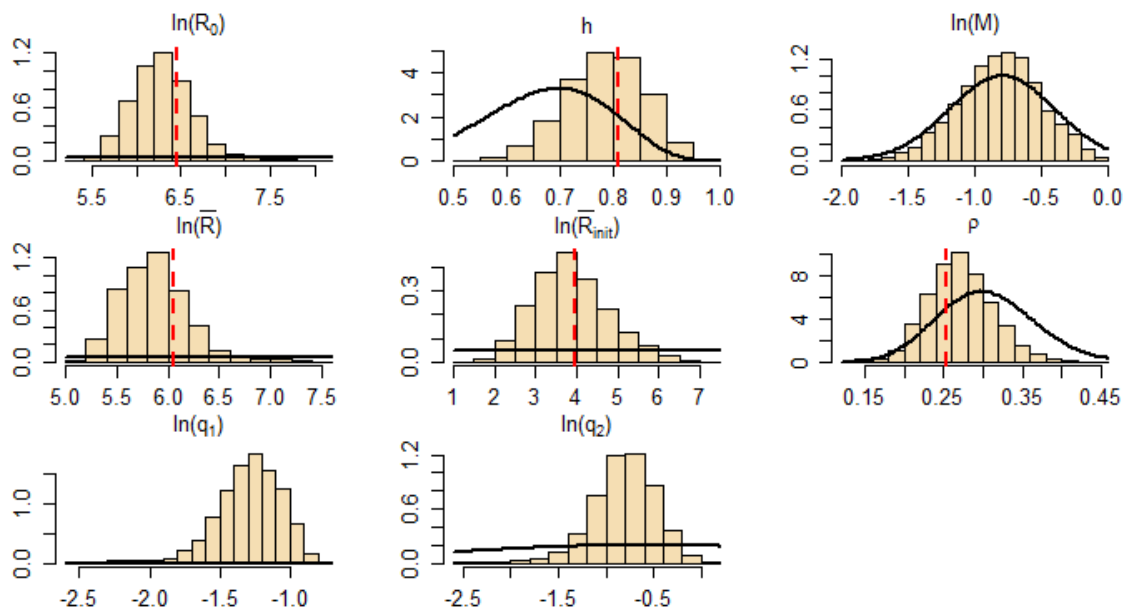


Figure 2. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Haida Gwaii AM1 model with the standard deviation on survey  $q$  set to 2. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

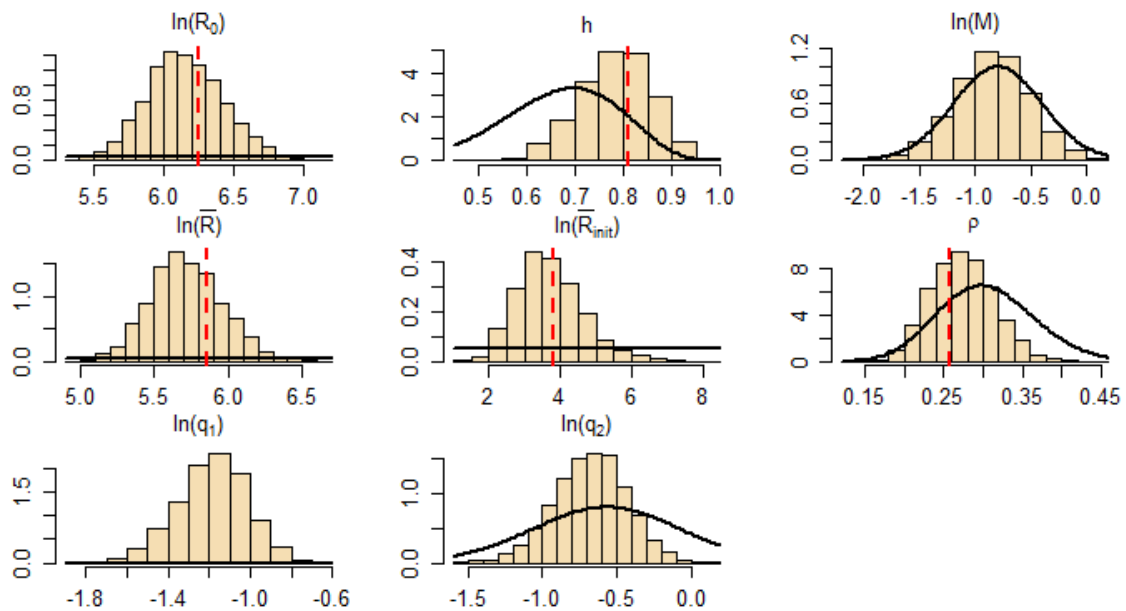


Figure 3. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Haida Gwaii AM1 model with the standard deviation on survey  $q$  set to 0.5. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

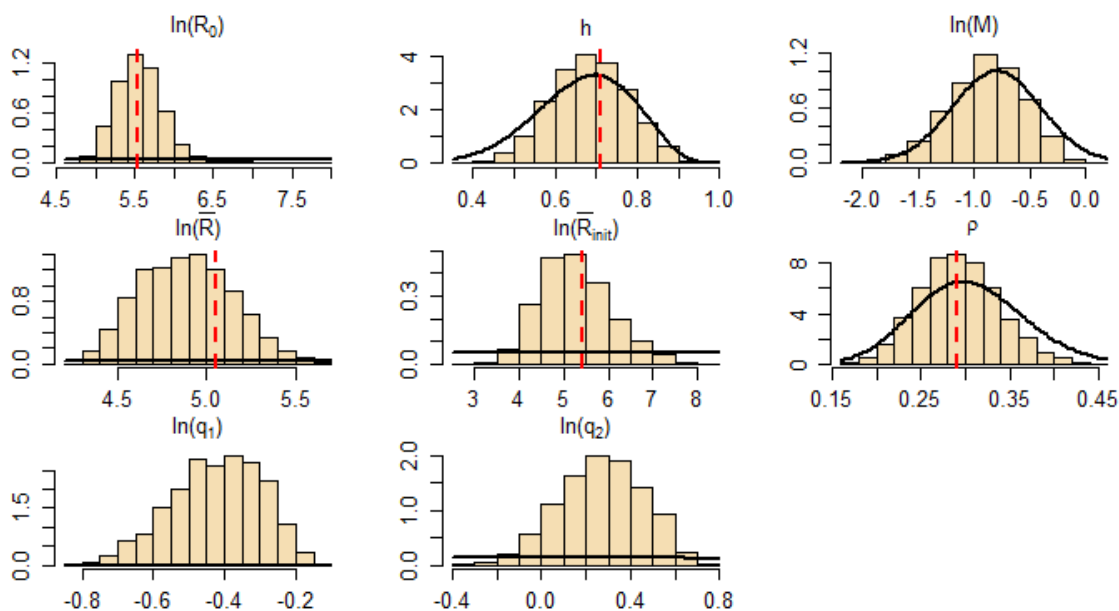


Figure 4. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Prince Rupert District AM1 model with the standard deviation on survey  $q$  set to 3. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

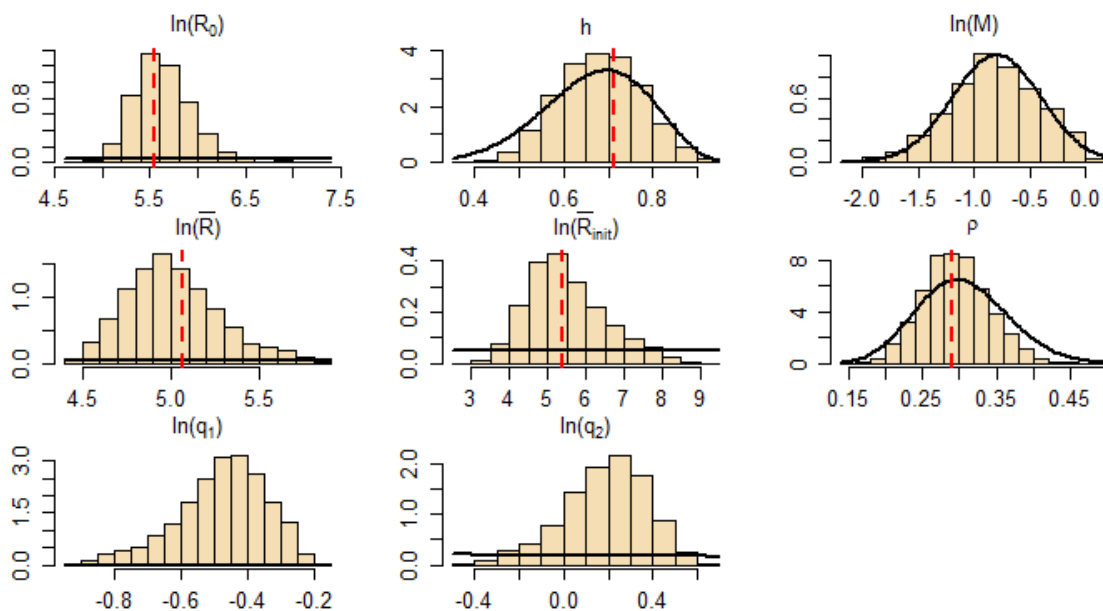


Figure 5. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Prince Rupert District AM1 model with the standard deviation on survey  $q$  set to 2. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

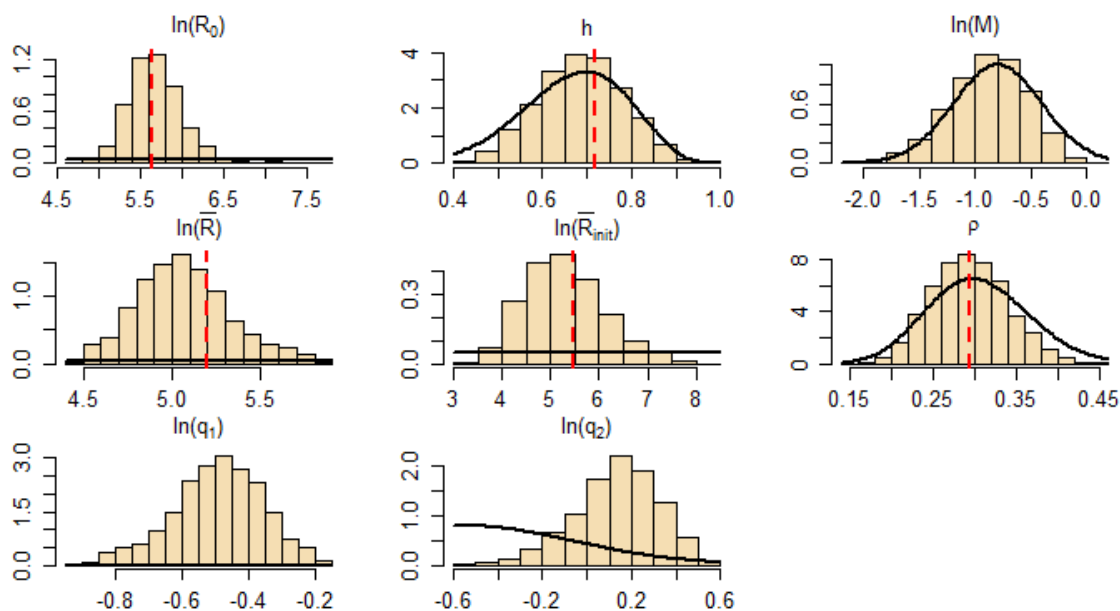


Figure 6. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Prince Rupert District AM1 model with the standard deviation on survey  $q$  set to 0.5. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

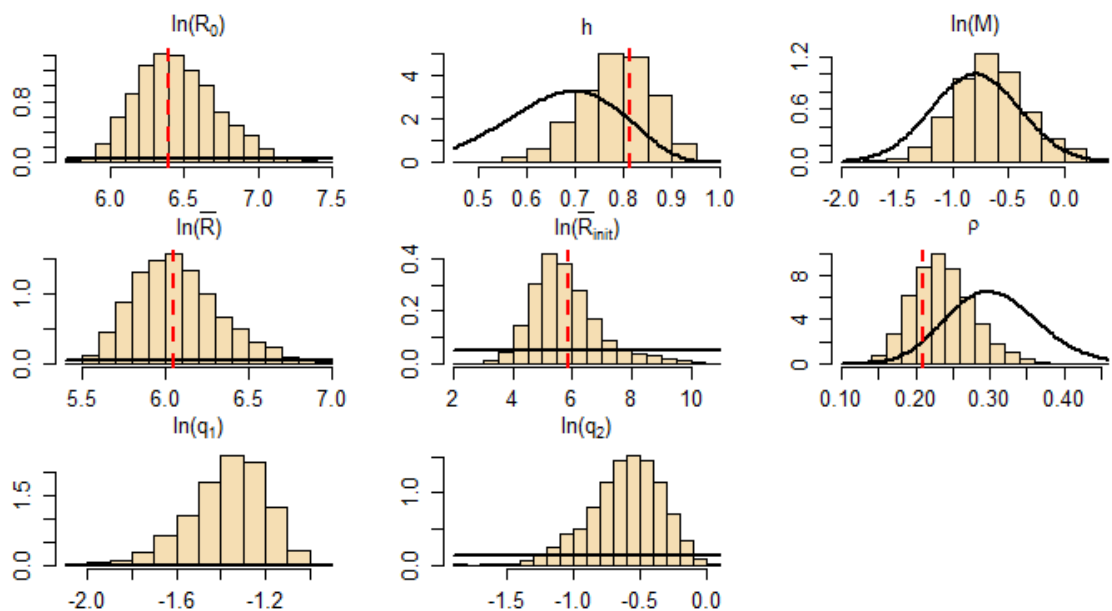


Figure 7. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Central Coast AM1 model with the standard deviation on survey  $q$  set to 3. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

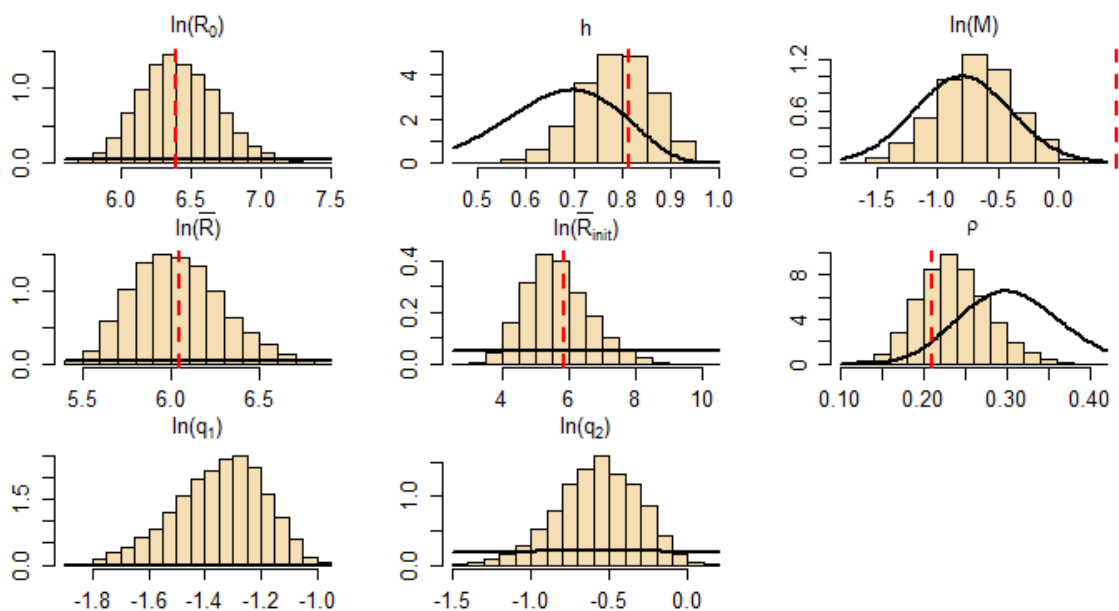


Figure 8. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Central Coast AM1 model with the standard deviation on survey  $q$  set to 2. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

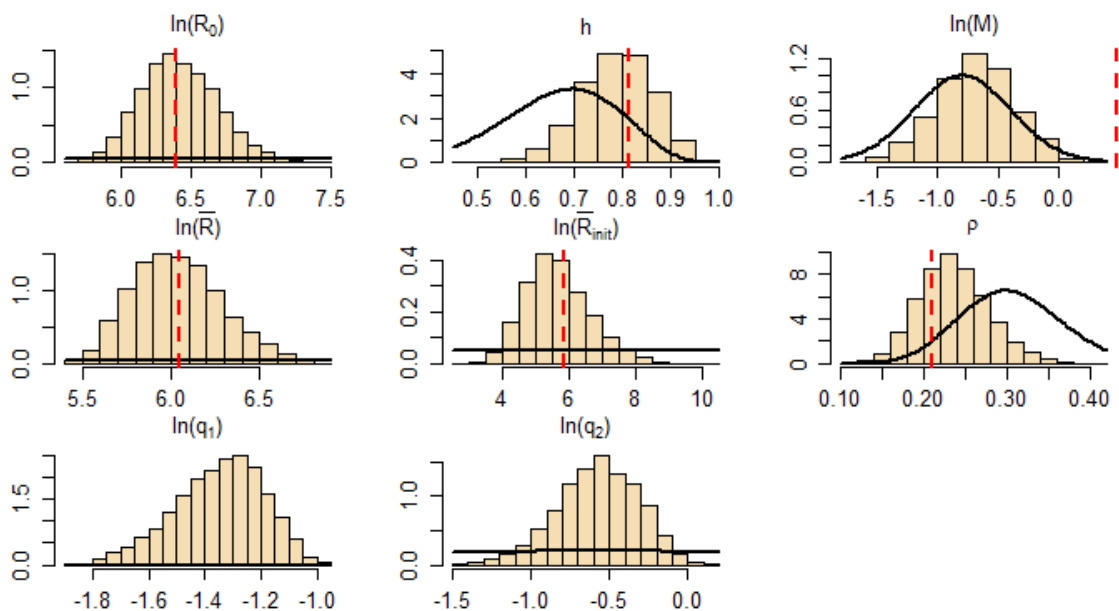


Figure 9. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Central Coast AM1 model with the standard deviation on survey  $q$  set to 2. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

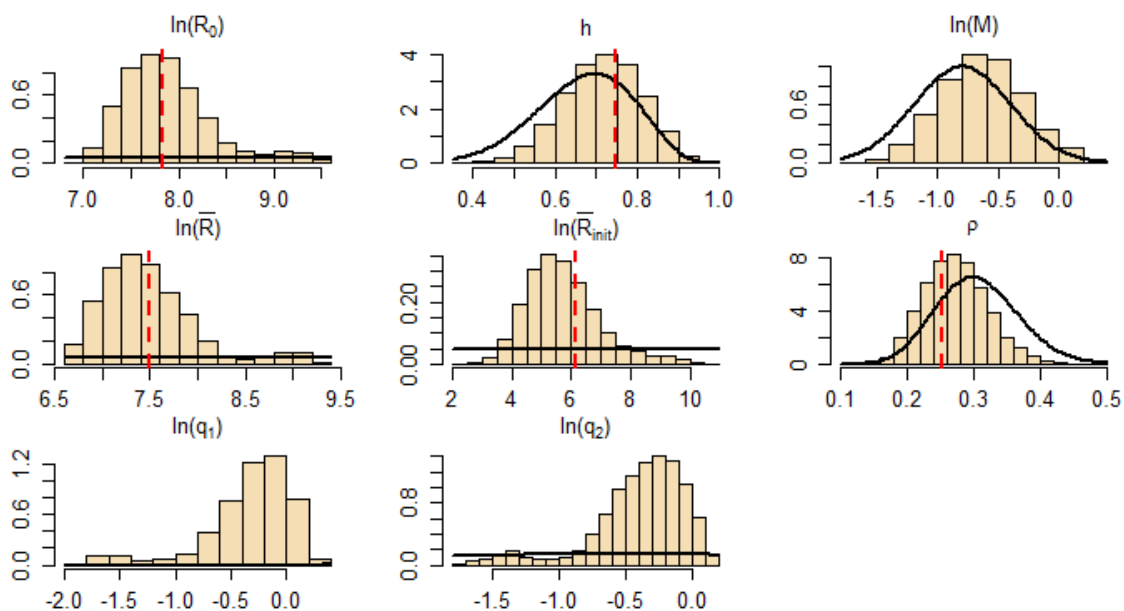


Figure 10. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Strait of Georgia AM1 model with the standard deviation on survey  $q$  set to 3. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

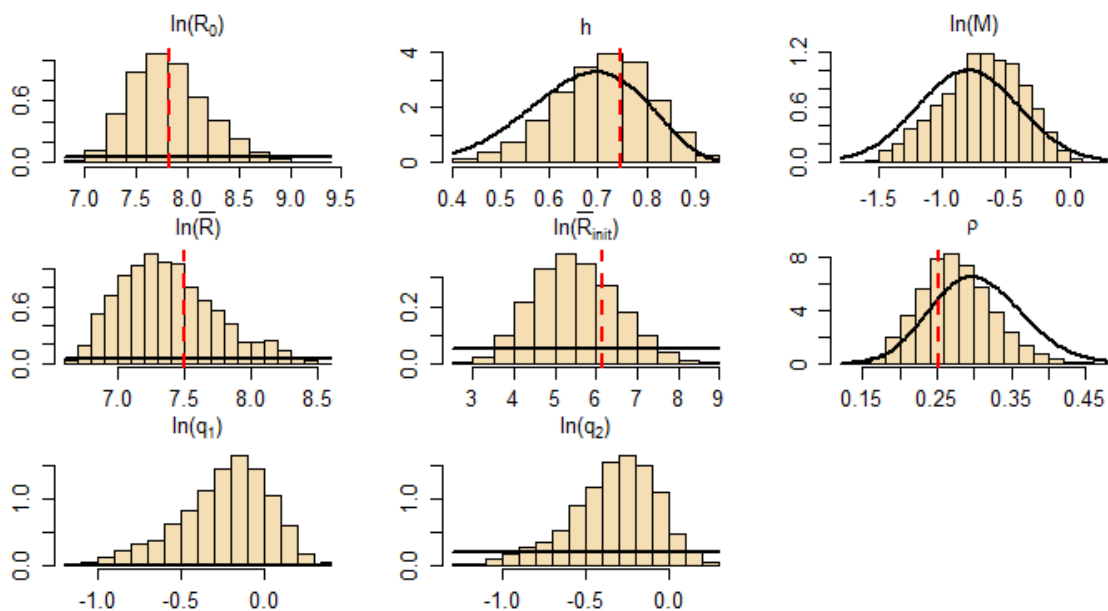


Figure 11. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Strait of Georgia AM1 model with the standard deviation on survey  $q$  set to 2. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

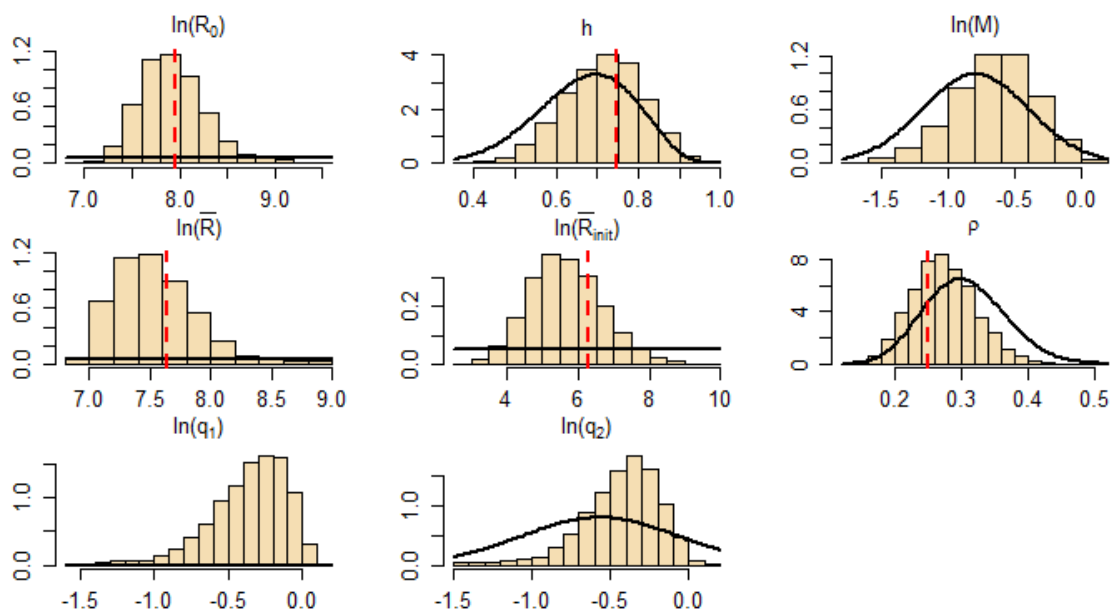


Figure 12. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the Strait of Georgia AM1 model with the standard deviation on survey  $q$  set to 0.5. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

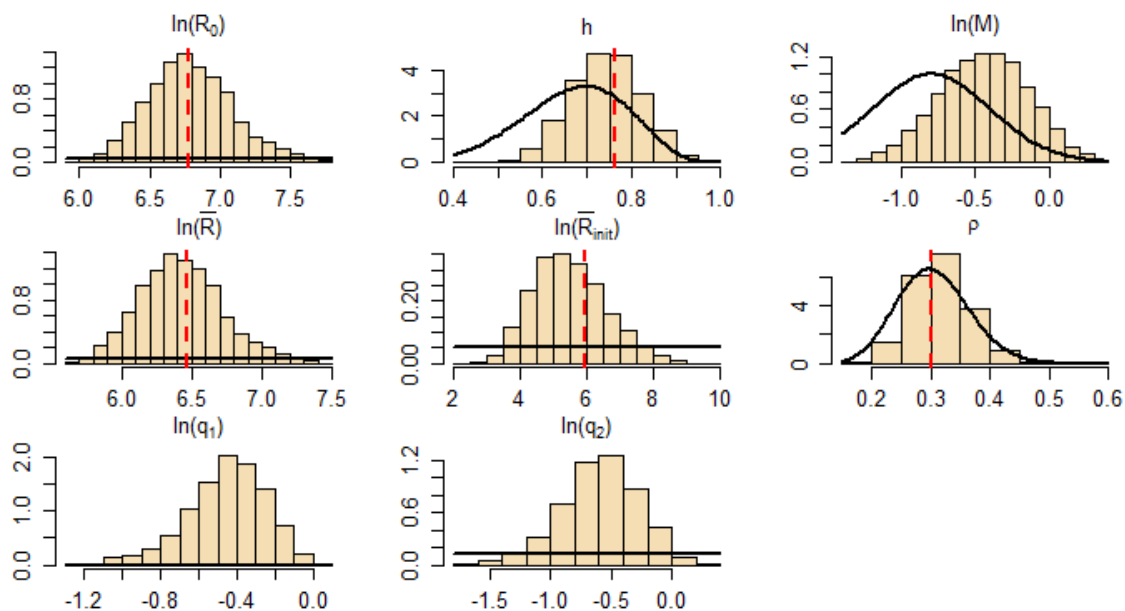


Figure 13. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the WCVI AM1 model with the standard deviation on survey  $q$  set to 3. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.



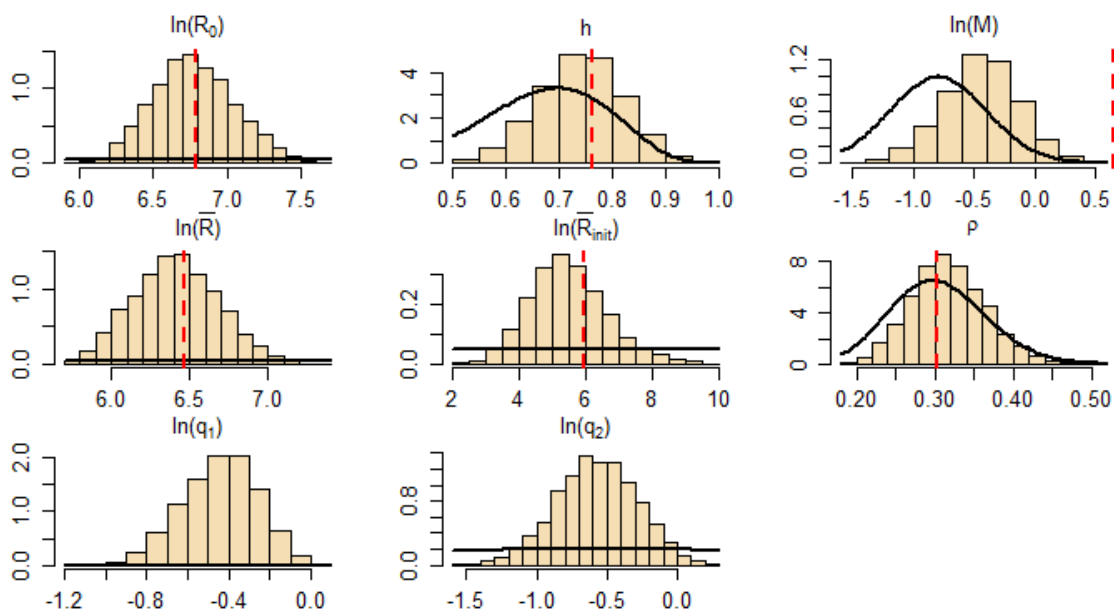


Figure 14. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the WCVI AM1 model with the standard deviation on survey  $q$  set to 2. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.

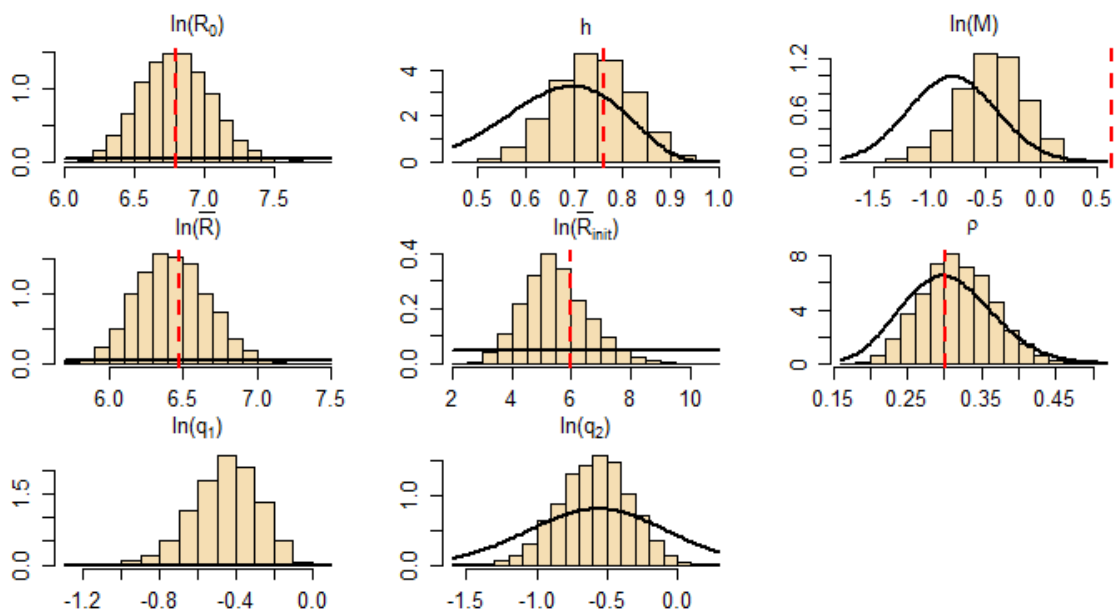


Figure 15. Prior probability distributions (lines) with comparative posterior histograms (bars) used in the WCVI AM1 model with the standard deviation on survey  $q$  set to 0.5. Parameters  $q_k$  represent gears where:  $k = 1$  is the surface survey and  $k = 2$  is the dive survey. The dotted red lines are the MPD estimates.