

r4ss Figure Examples

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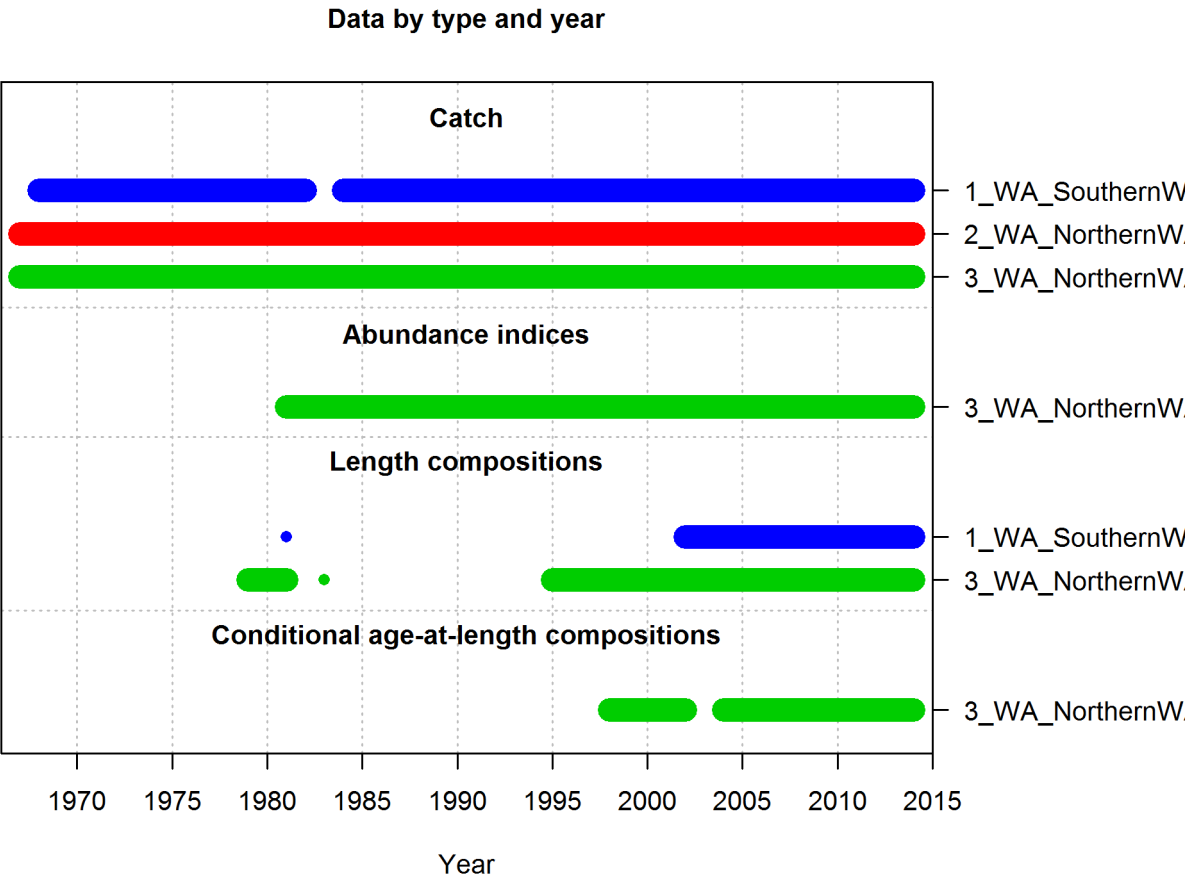


Figure 1: Summary of data sources used in the base case assessment. `fig:data_plot`

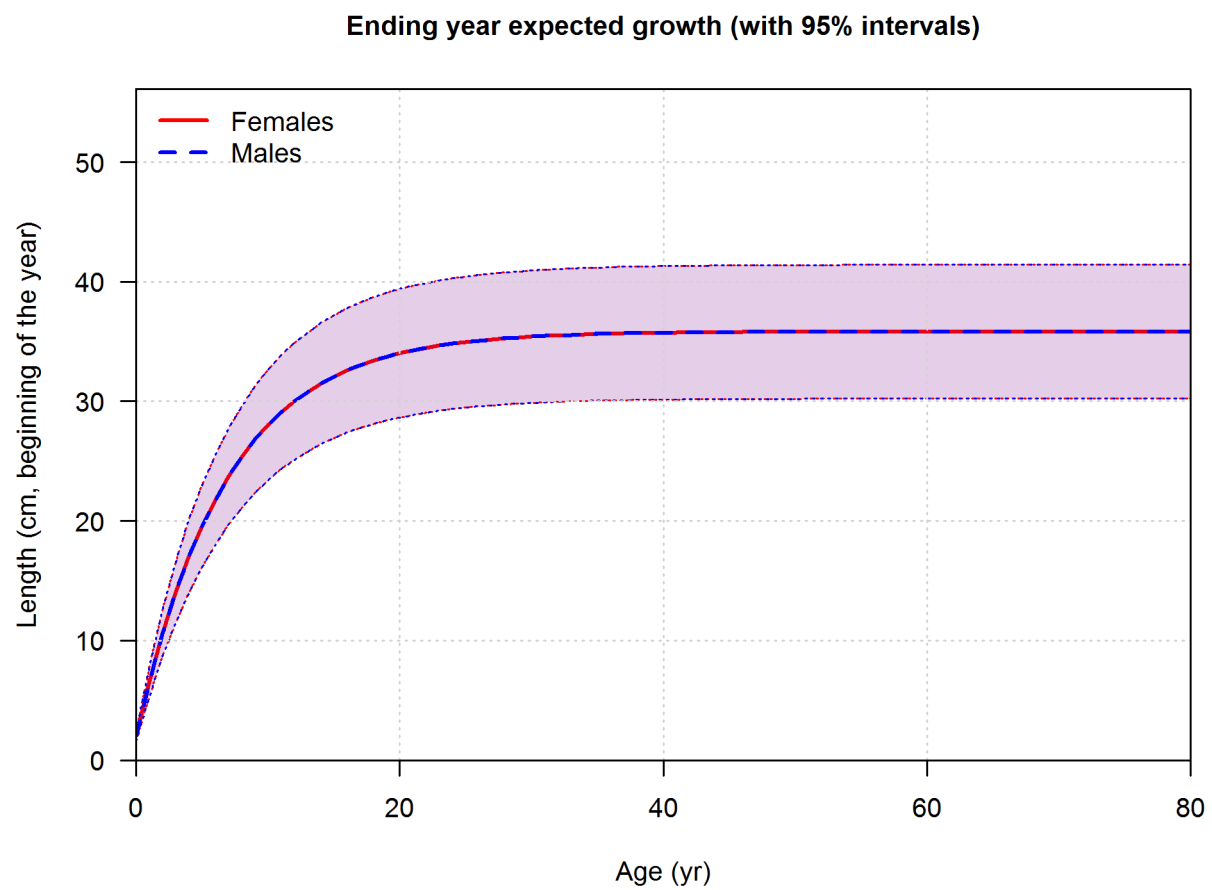


Figure 2: Length at age in the beginning of the year (or season) in the ending year of the model. Shaded area indicates 95% distribution of length at age around estimated growth curve. fig:mod1_1_biol_sizeatage

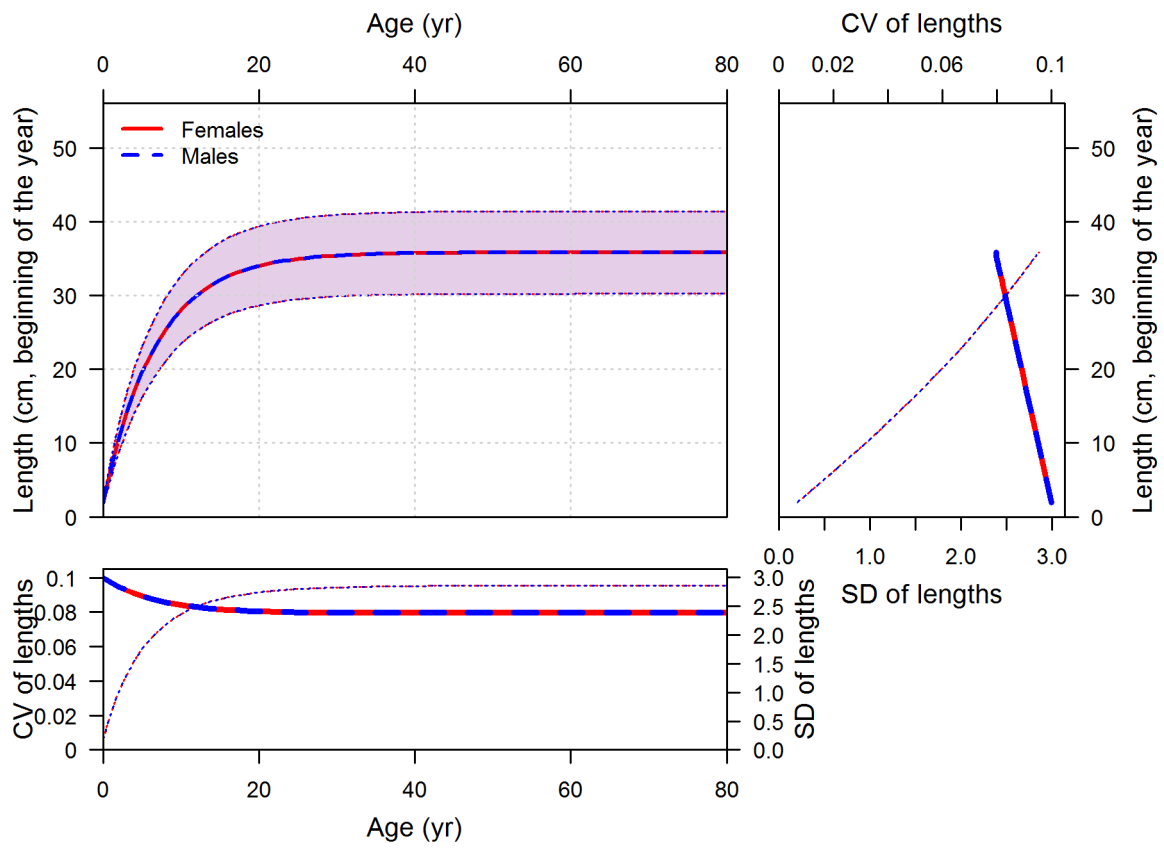


Figure 3: Length at age (top_left panel) with CV (thick line) and SD (thin line) of length at age shown in top_right and lower_left panels | fig:mod1_2_bio2_sizeatage_plus_CV_and_SD

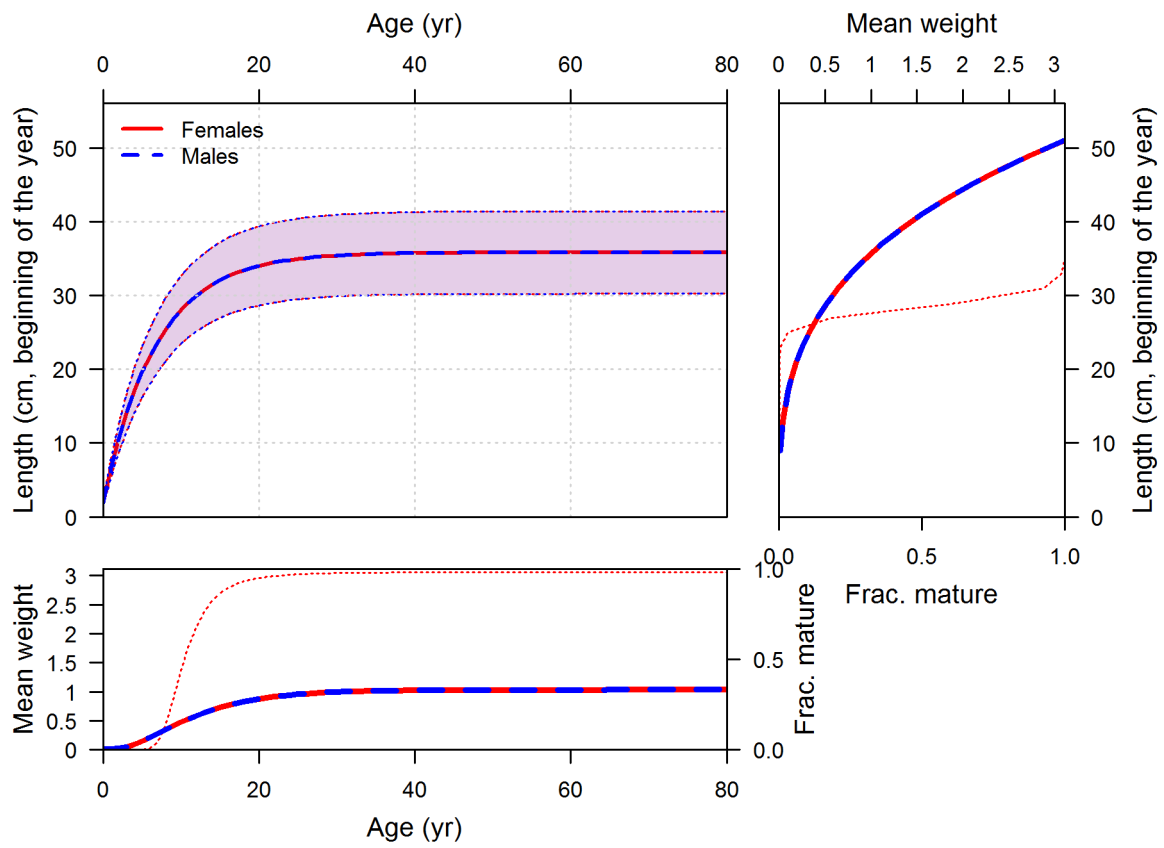


Figure 4: Length at age (top_left panel) with weight (thick line) and maturity (thin line) shown in top_right and lower_left panels

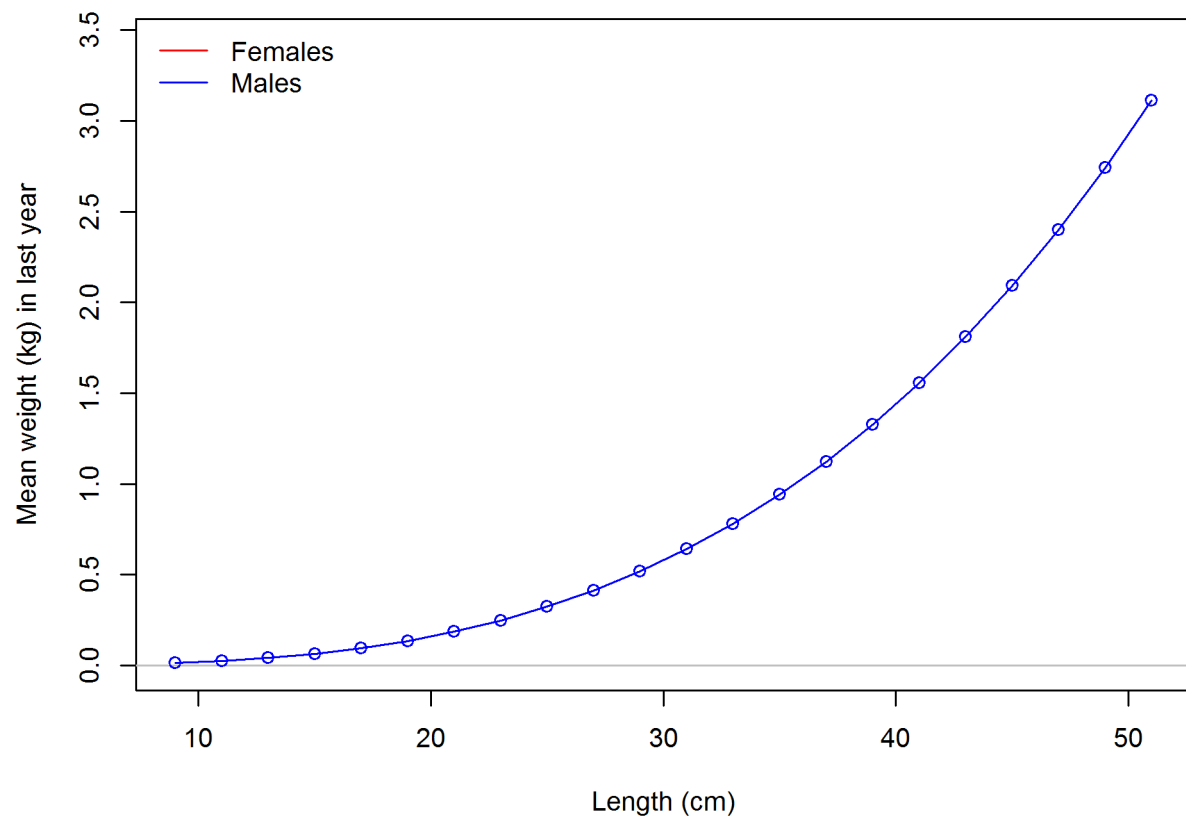


Figure 5: Weight_length relationship for females ^{fig:mod1_4_bio4_weightatsize}

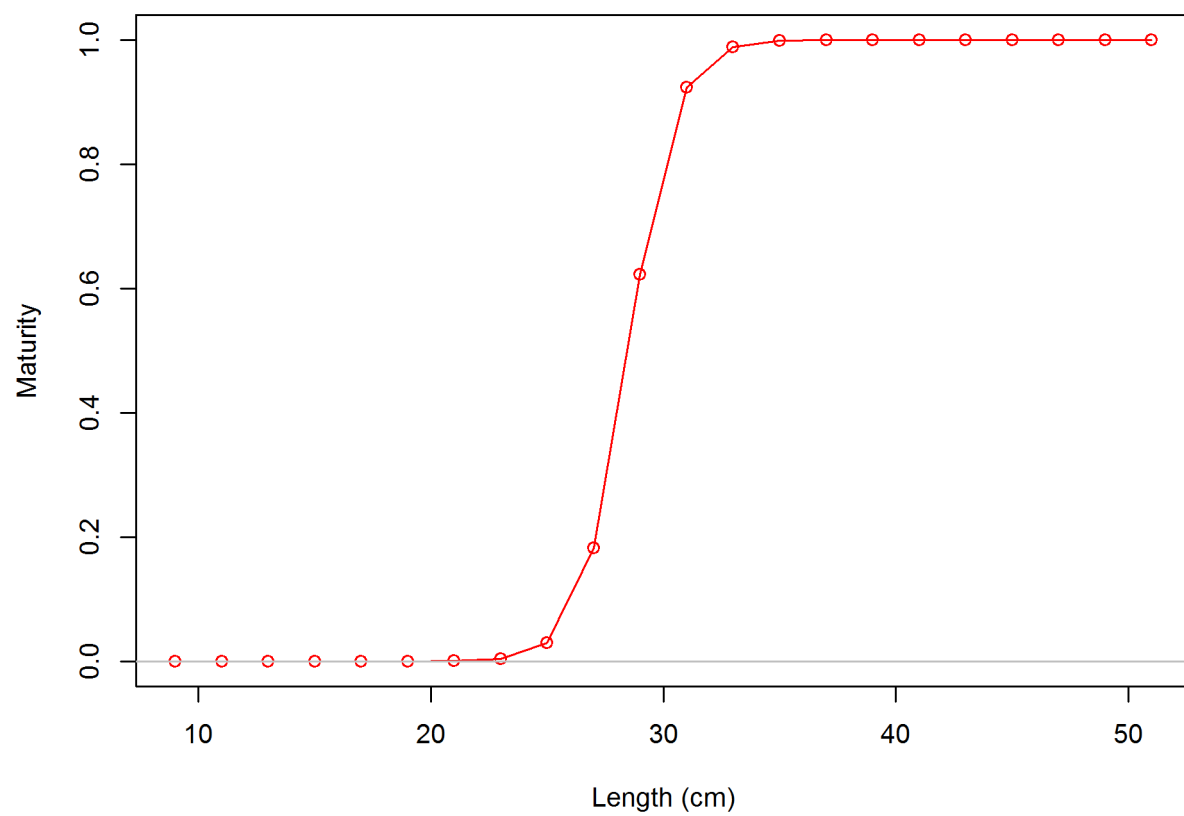


Figure 6: Maturity at length `fig:mod1_5_bio5_maturity`

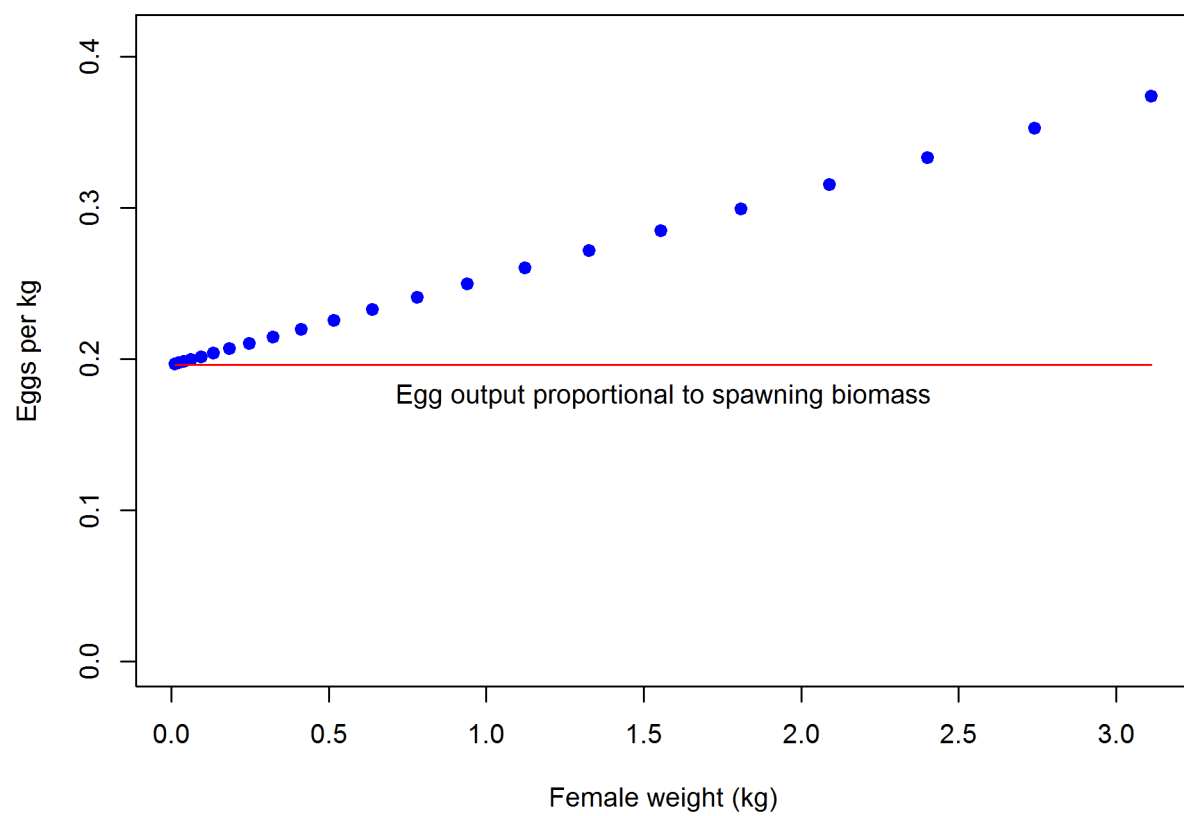


Figure 7: Fecundity ^{fig:mod1_6_bio6_fecundity}

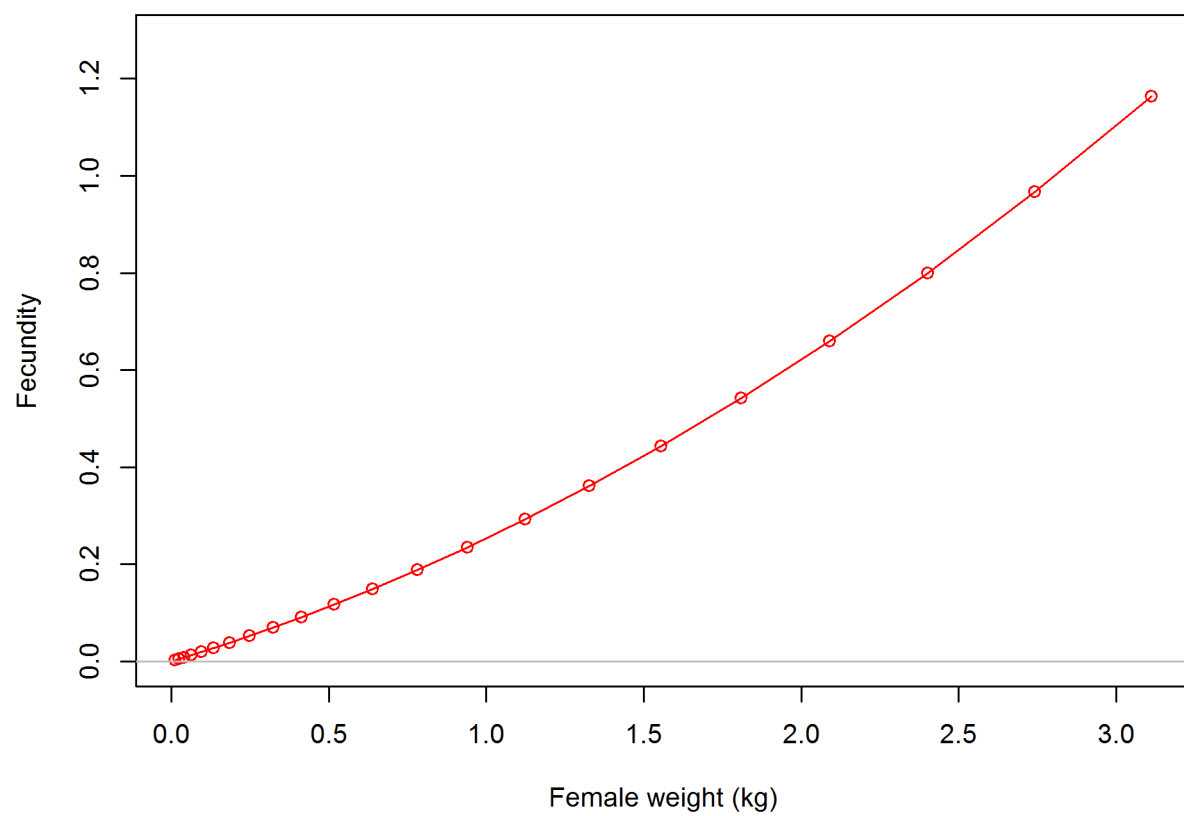


Figure 8: Fecundity as a function of weight | `fig:mod1_7_bio7_fecundity_wt`

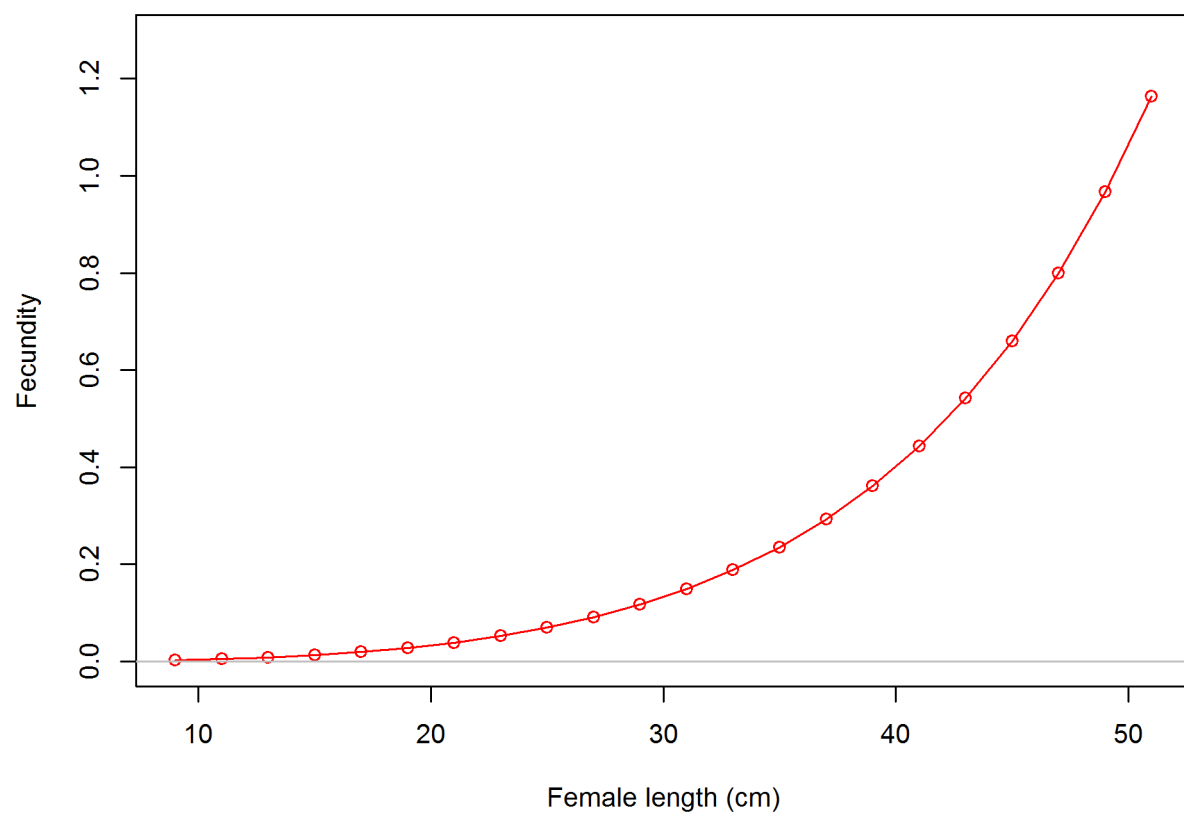


Figure 9: Fecundity as a function of length | `fig:mod1_8_bio8_fecundity_len`

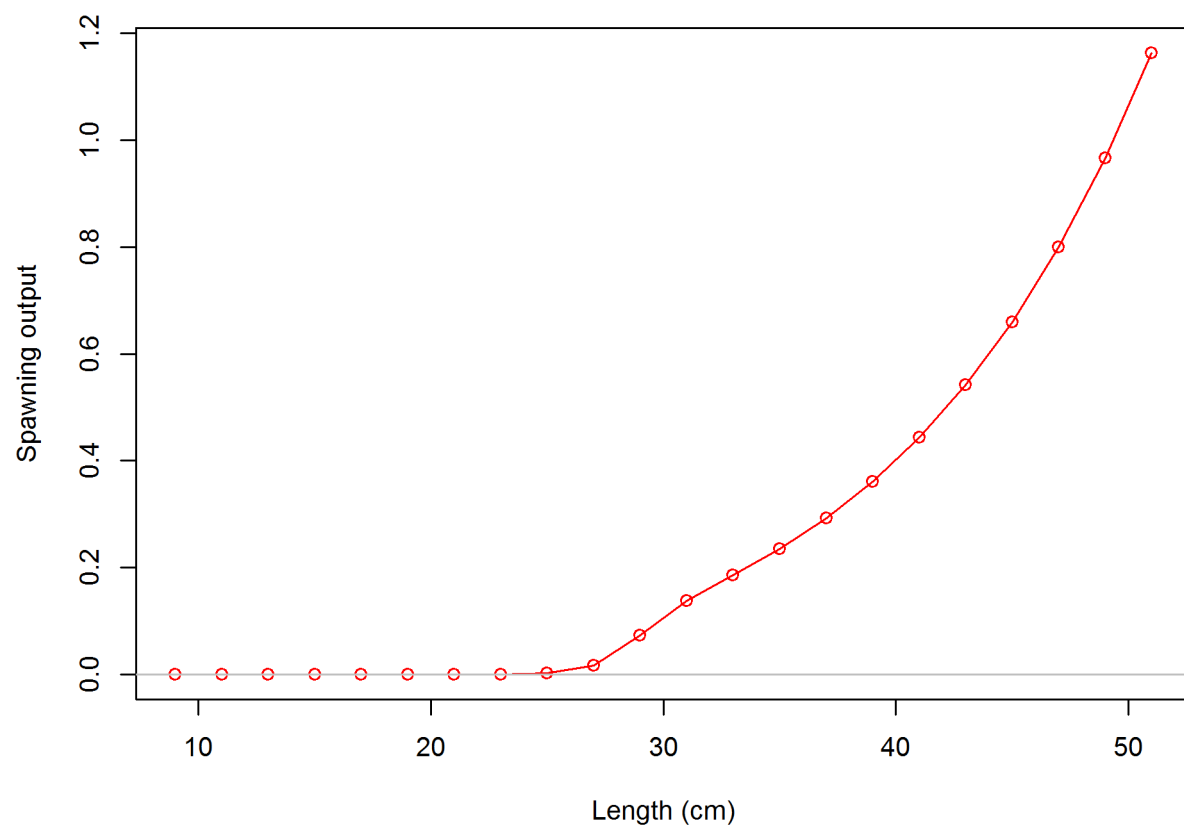


Figure 10: Spawning output at length ^{fig:mod1_9_bio9_spawningoutput}

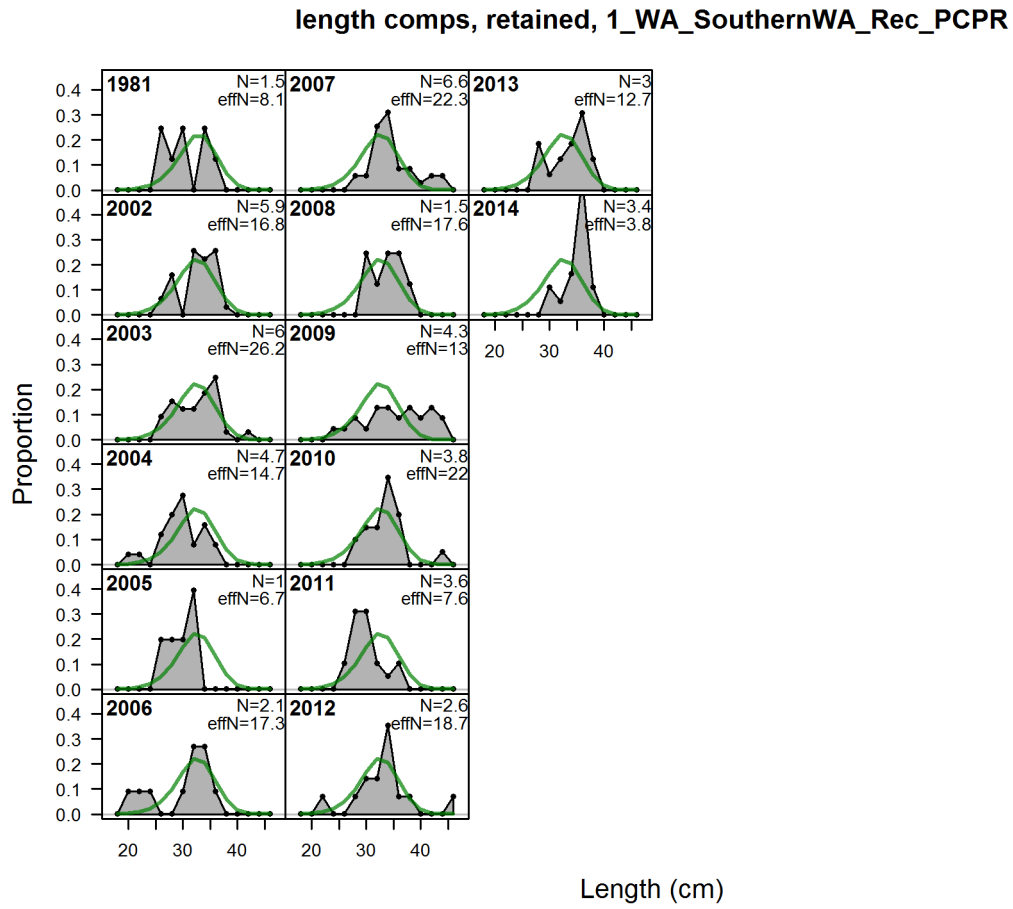


Figure 11: length comps, retained, 1_WA_SouthernWA_Rec_PCPR ^{fig:mod1_1_comp_lenfit_flt1mkt2}



Figure 12: Pearson residuals, retained, 1_WA_SouthernWA_Rec_PCPR (max=4.76)
 Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).
 fig:mod1_2_comp_lenfit_residsflt1mkt2

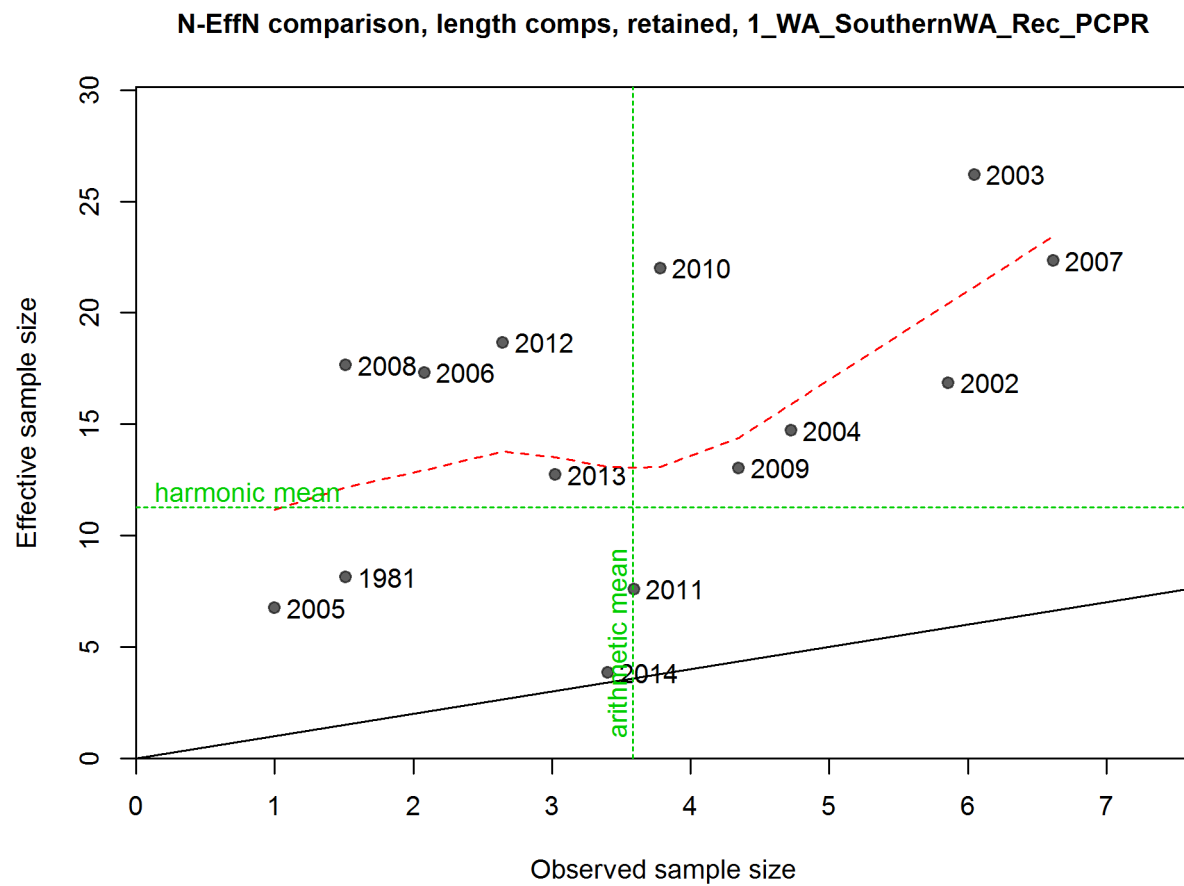


Figure 13: N_EffN comparison, length comps, retained, 1_WA_SouthernWA_Rec_PCPR fig:mod1_3_comp_lenfit.

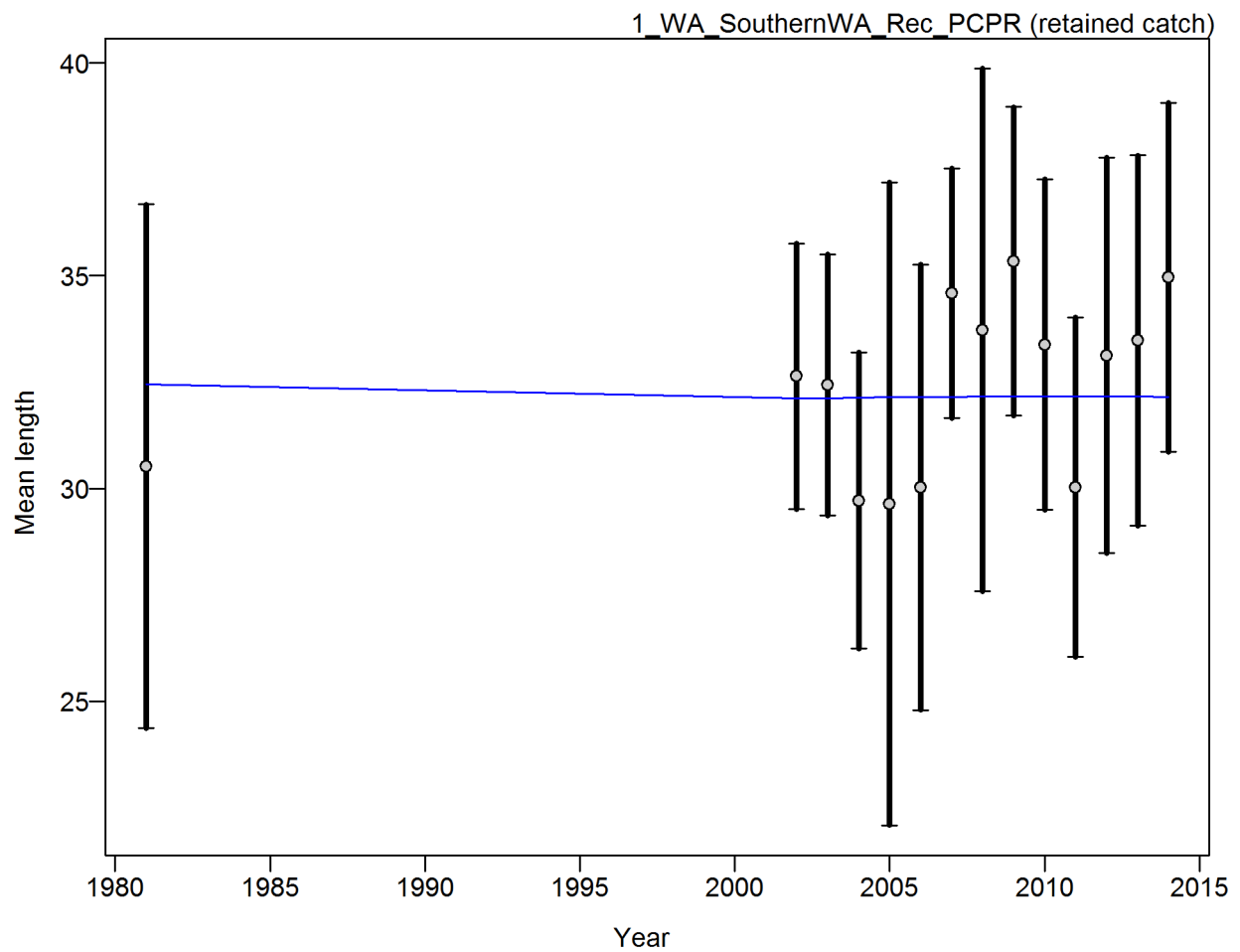


Figure 14: Francis data weighting method TA1.8 1_WA_SouthernWA_Rec_PCPR Suggested sample size adjustment (with 95% interval) for len data from 1_WA_SouthernWA_Rec_PCPR: 0.9991 (0.6704_2.4014)
 fig:mod1_4_comp_lenfit_data_weighting_TA1.8_1_WA_SouthernWA_Rec_PCPR

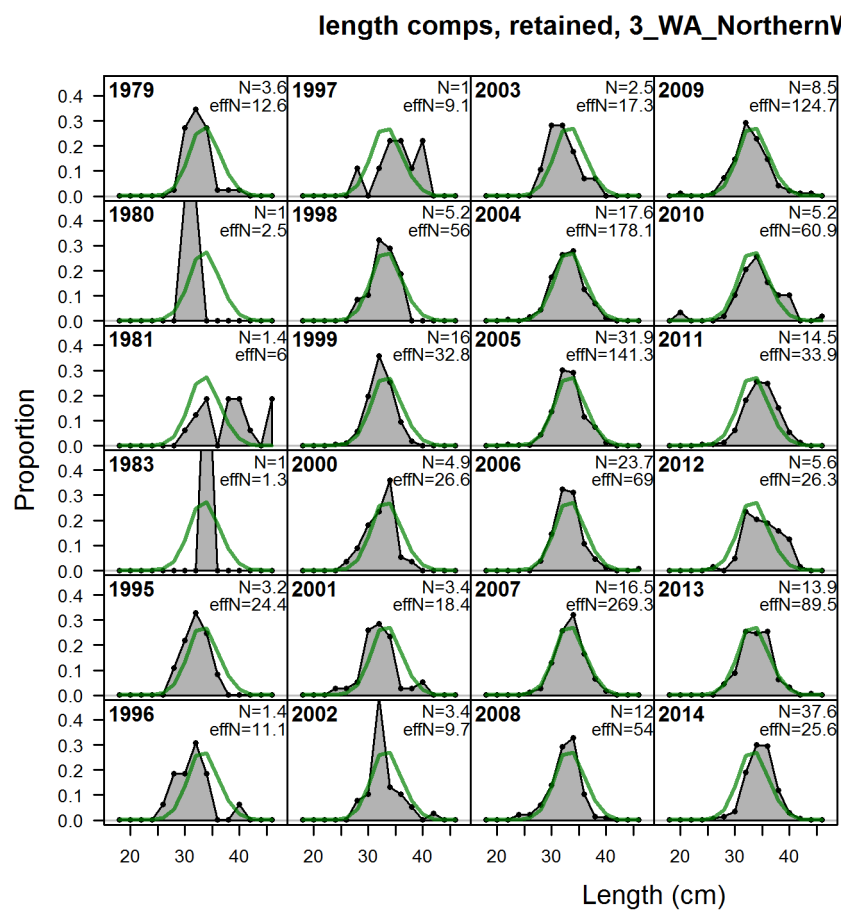


Figure 15: length comps, retained, 3_WA_NorthernWA_Rec_PR fig:mod1_5_comp_lenfit_flt3mkt2

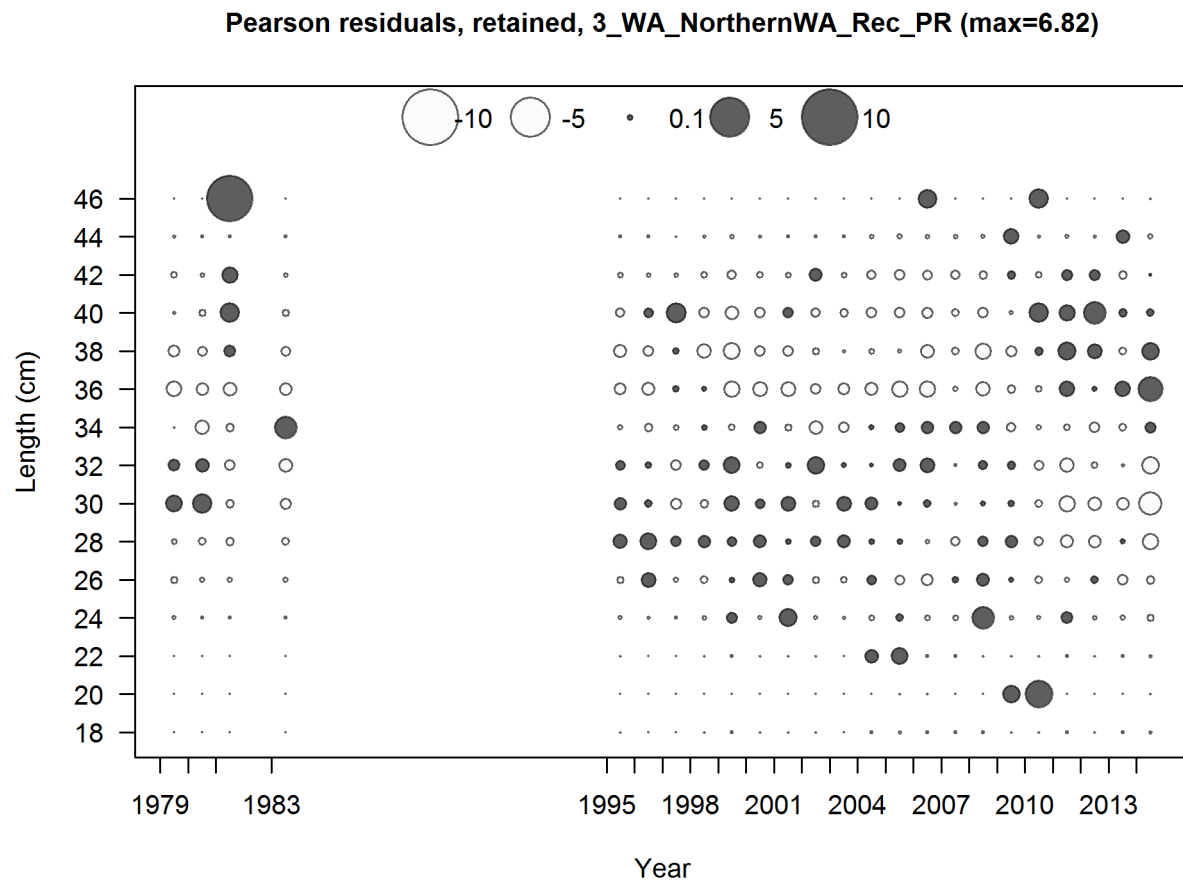


Figure 16: Pearson residuals, retained, 3_WA_NorthernWA_Rec_PR (max=6.82)
 Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).
 fig:mod1_6_comp_lenfit_residsflt3mkt2

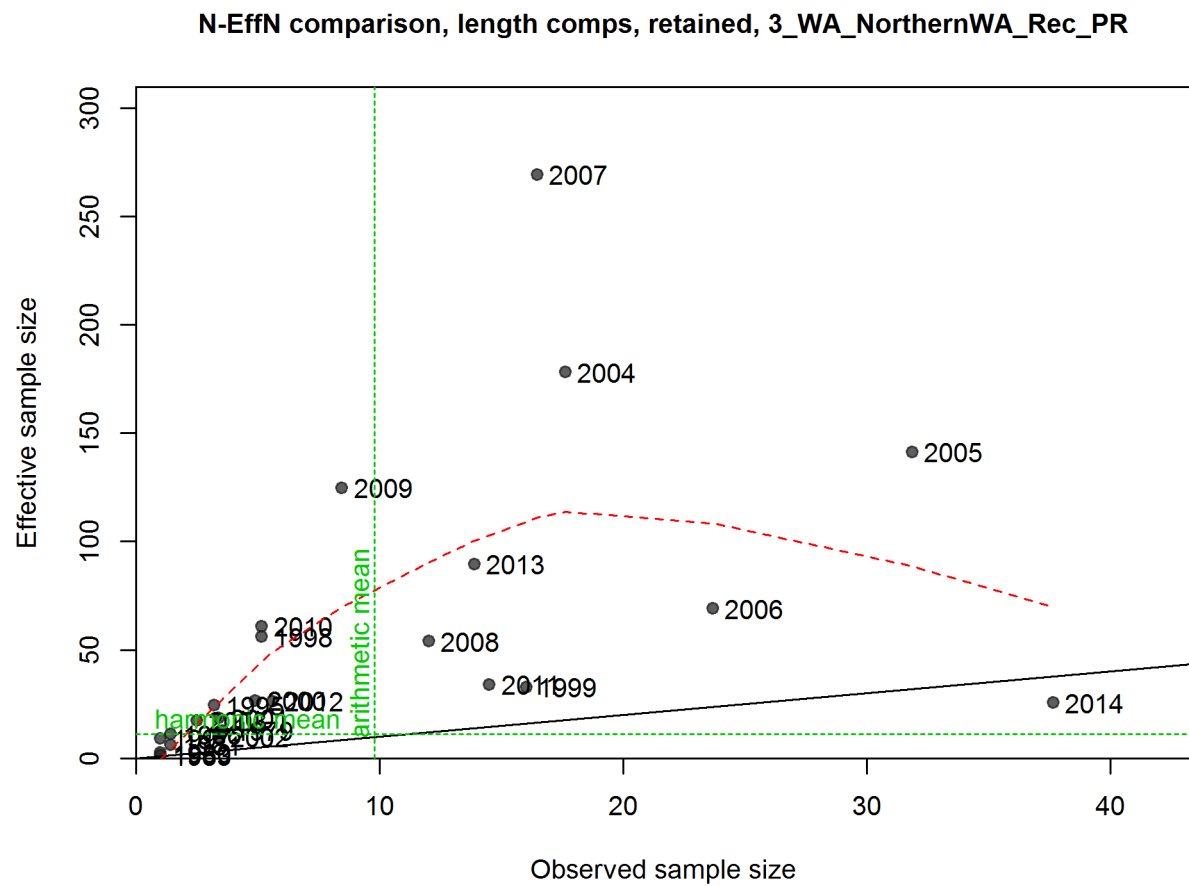


Figure 17: N_EffN comparison, length comps, retained, 3_WA_NorthernWA_Rec_PR fig:mod1_7_comp_lenfit_s

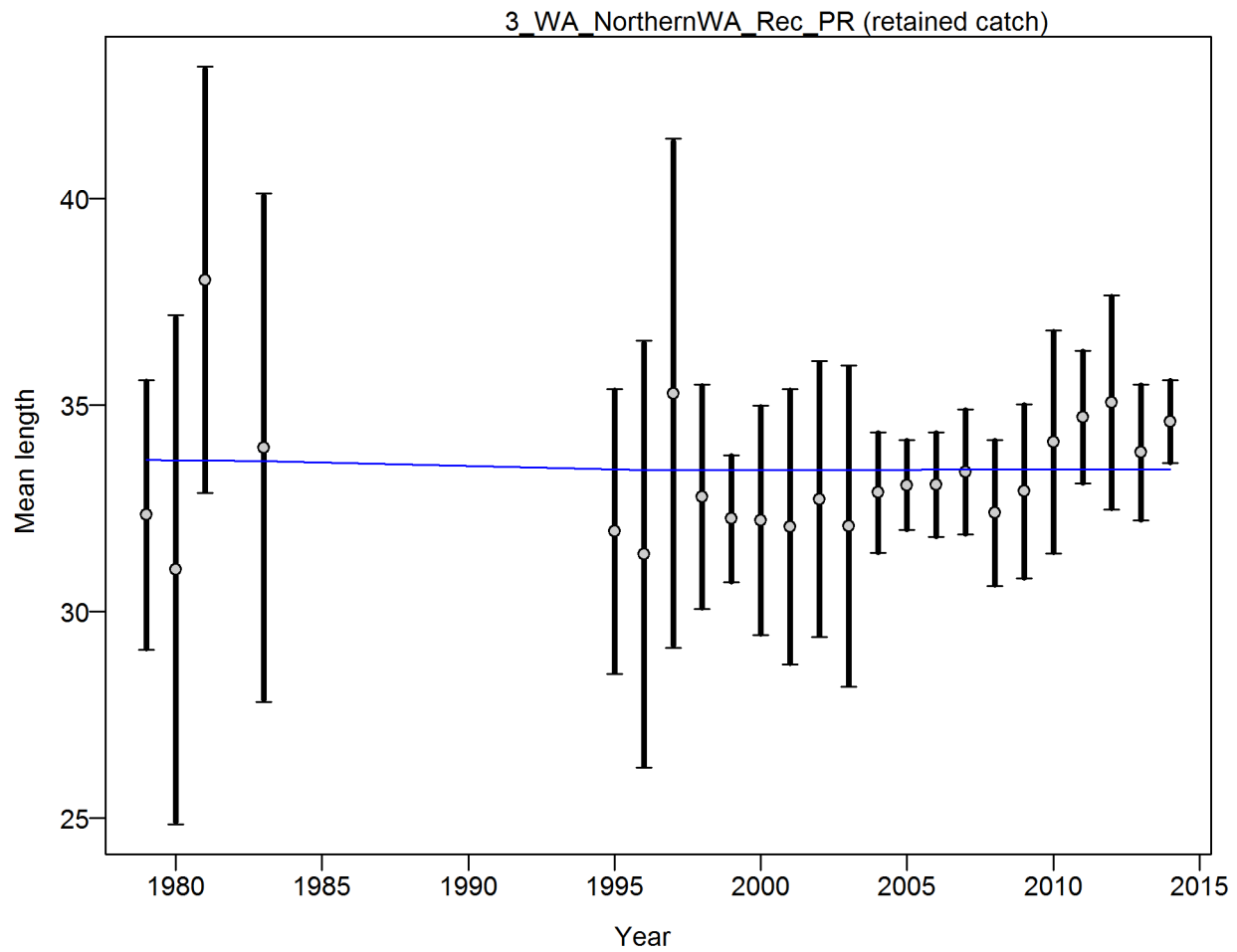


Figure 18: Francis data weighting method TA1.8 3_WA_NorthernWA_Rec_PR Suggested sample size adjustment (with 95% interval) for len data from 3_WA_NorthernWA_Rec_PR: 0.9797 (0.6466_2.3089) fig:mod1_8_comp_

length comps, retained, aggregated across time by fleet

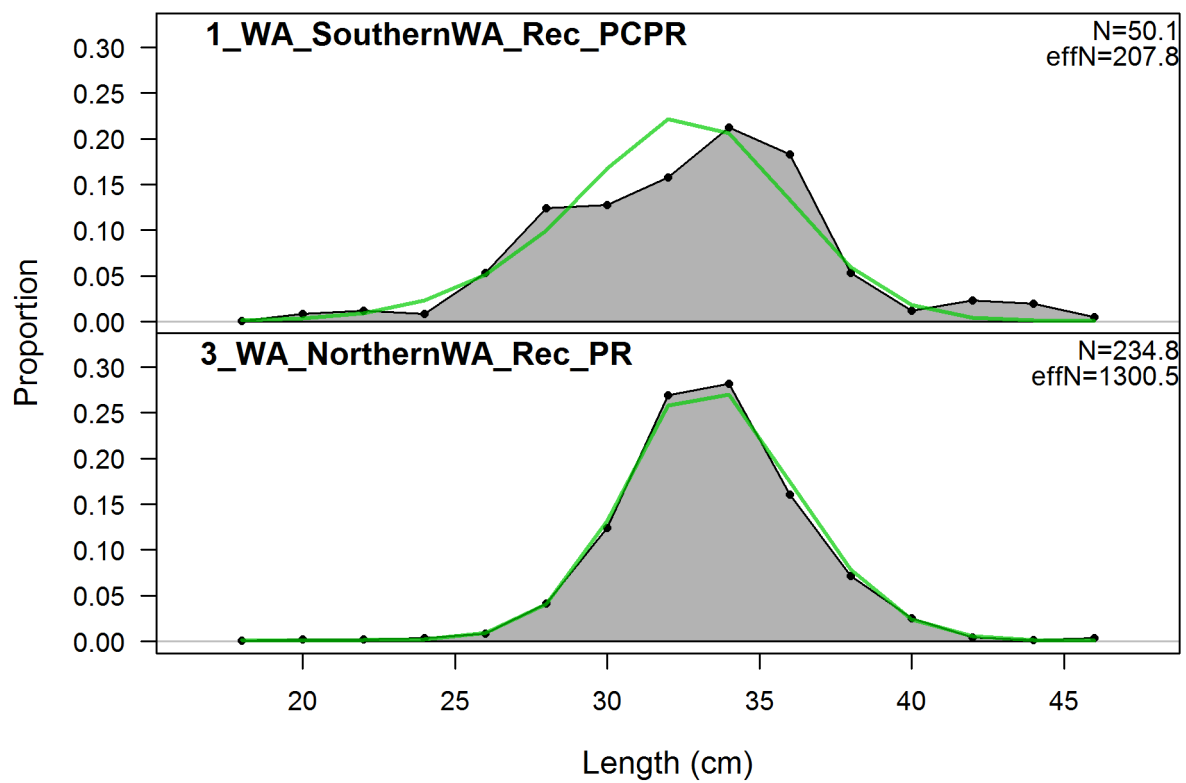


Figure 19: length comps, retained, aggregated across time by fleet | fig:mod1_9_comp_lenfit_mkt2_aggreg

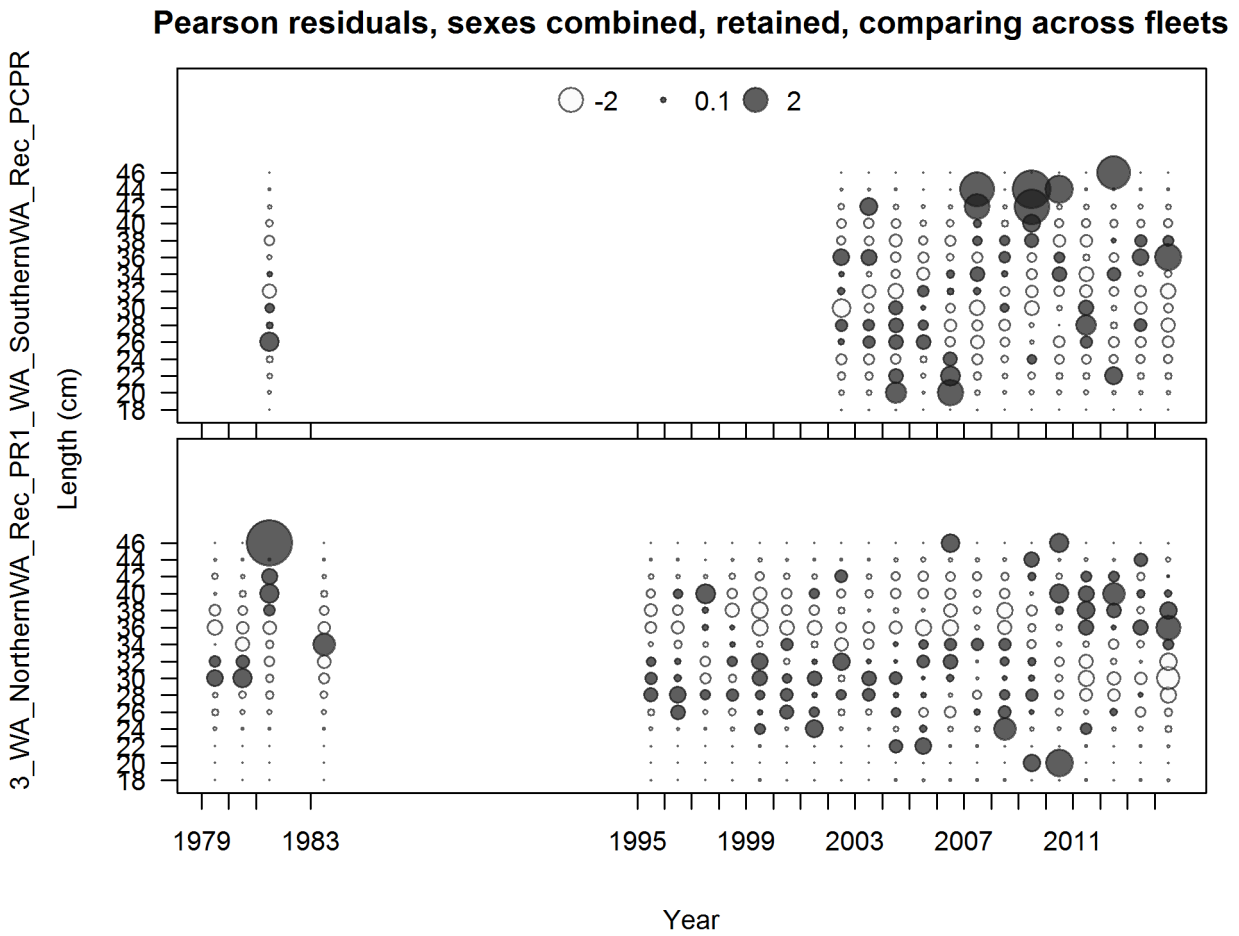


Figure 20: Note: this plot doesn't seem to be working right for some models. Pearson residuals, sexes combined, retained, comparing across fleets
 Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).
 fig:mod1_10_comp_lenfit_sex1mkt2_multi-fleet_comparison

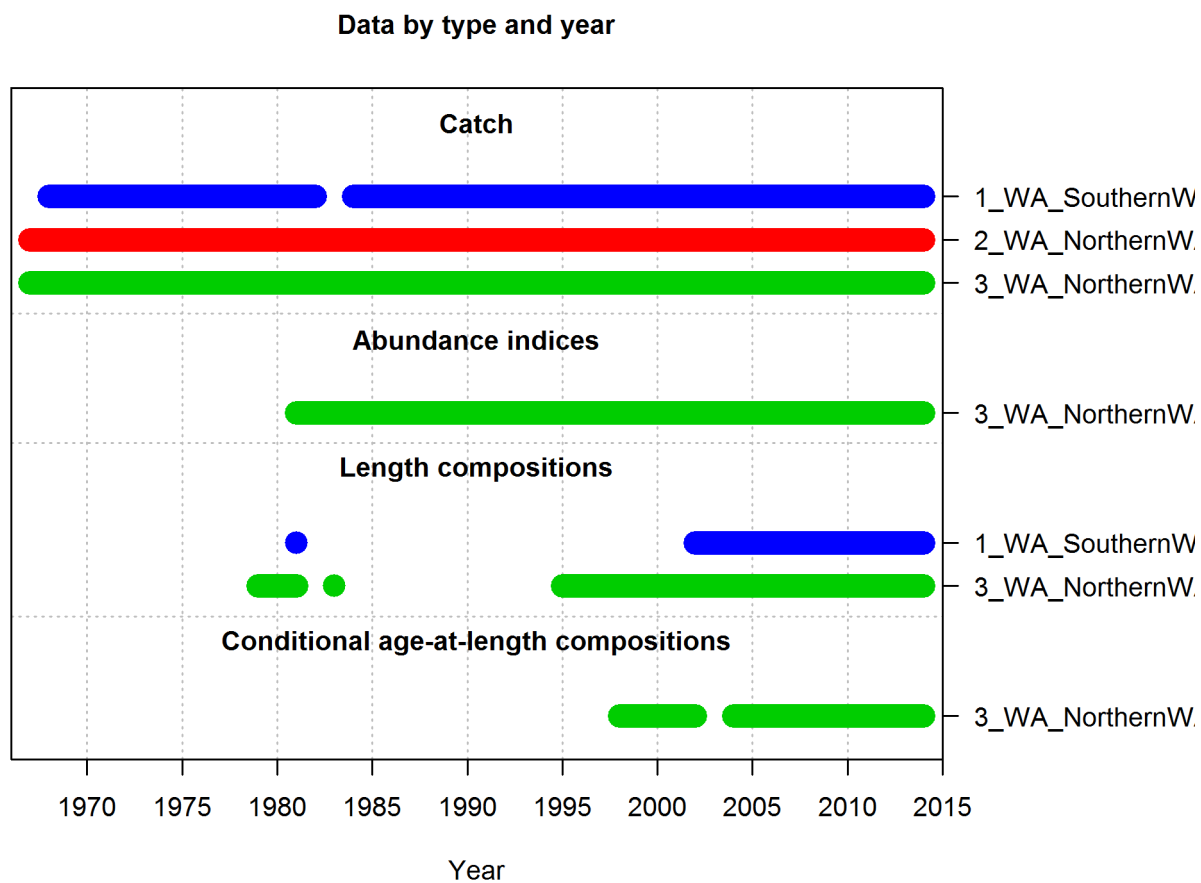


Figure 21: 1-Summary of data sources used in the base case assessment. fig:data_plot

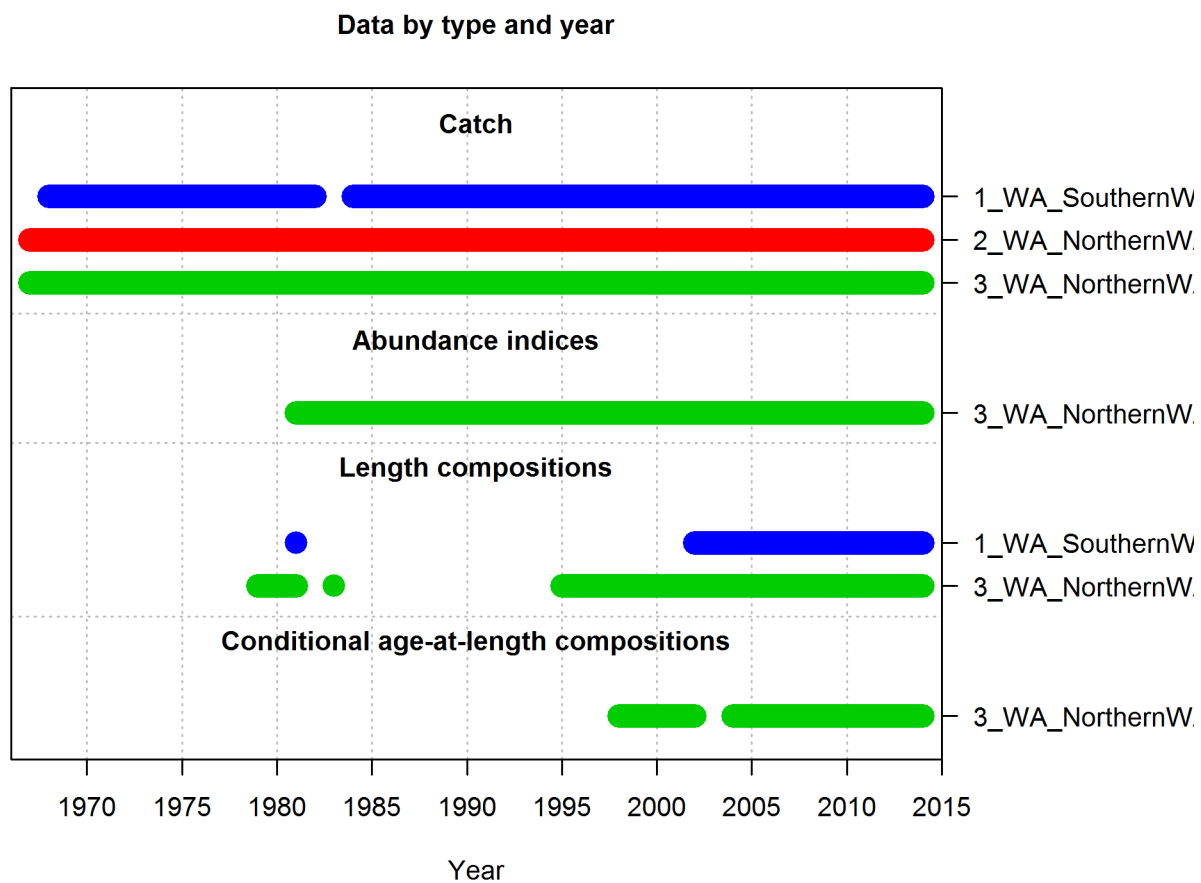


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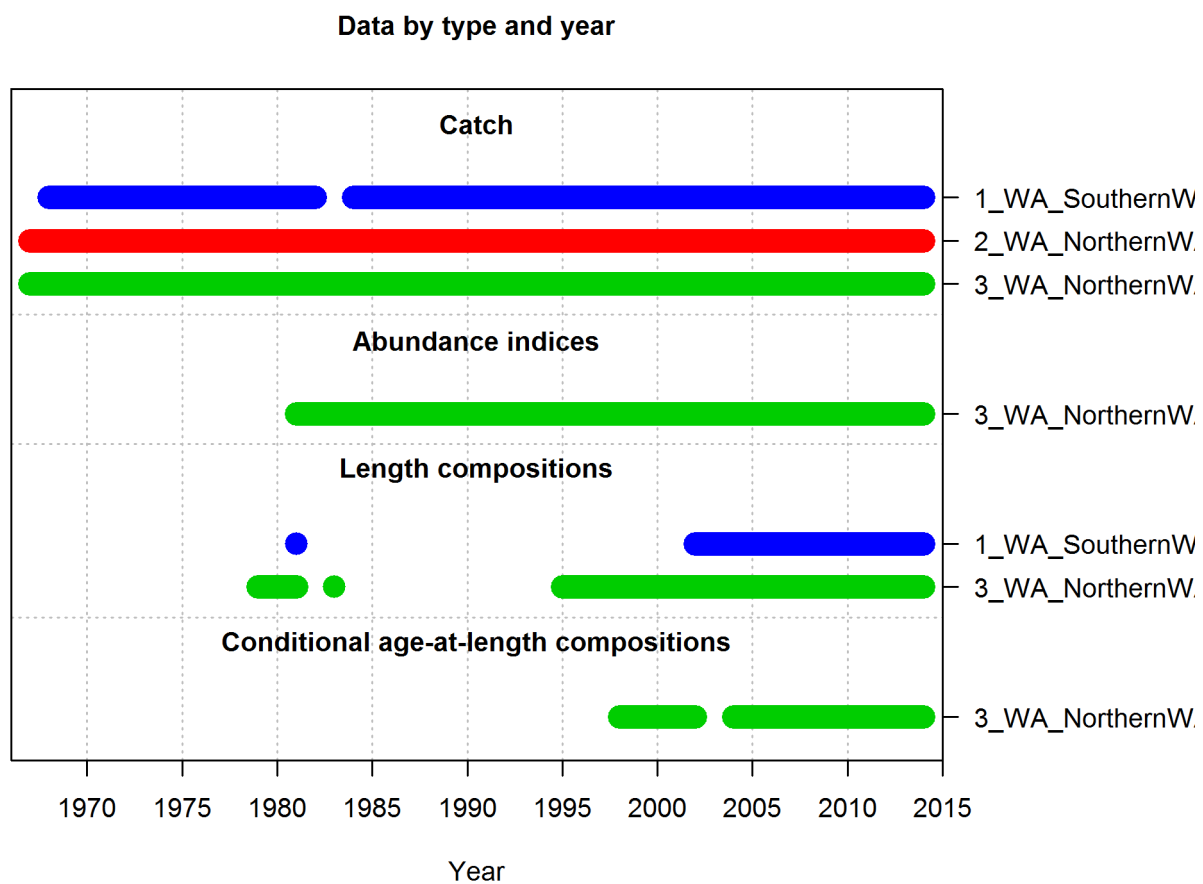


Figure 22: 3-Summary of data sources used in the base case assessment. `fig:data_plot`