

A. Probabilistic Length-at-Date Model Run Type Predictions for Sacramento River and Tributary Rotary Screw Trap Sites

Three sets of figures are presented for each of the additional Sacramento River rotary screw trap (RST) sites where genetic testing occurred for the Spring-run Run ID Program. The figures are similar to the figures provided for Battle Creek in the Chapter 6 as Figures 5, 6, and 8. Figure legends are described below.

First panel set: Fits of the probabilistic length-at-date (PLAD) model to juvenile Chinook salmon captured in RSTs and genetically identified to run type. Spring-run (top left) in black, fall-run in red (top right), and winter-run in blue (bottom left for sites where they occurred). For each run type, the median (solid line), interquartile range (darker region), 95% credible intervals on predicted mean size (fork length in millimeters [mm]) (lighter region), 95% credible intervals on observed fish sizes (dotted lines), and observed sizes (squares) are plotted.

Second panel set: Predicted proportions across the sampling season (i.e., the π in the PLAD model). Spring-run (top left) in black, fall-run in red (top right), and winter-run in blue (bottom left). For each run type, the median (solid line), interquartile range (darker region) and 95% credible intervals are plotted.

Third panel set: Prediction of run assignment by fork length (in mm) at four dates in the sampling season at Battle Creek:

- October 6 (Day 98, top left)
- December 15 (Day 168, top right)
- February 23 (Day 238, bottom left)
- May 3 (Day 308, bottom right)

Spring-run is shown in black, fall-run is shown in red and winter-run is shown in blue. For each run type, median probability of assignment is shown as solid color, interquartile range is shown as a darker region, and 95%CrI is shown as a lighter region.

Figure A-1. Butte Creek First Panel Set

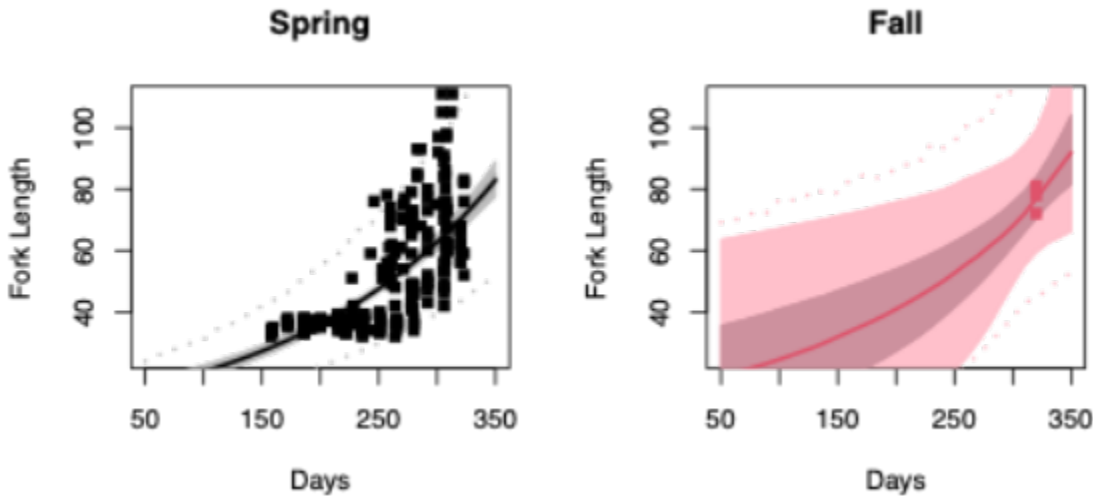


Figure A-2. Butte Creek Second Panel Set

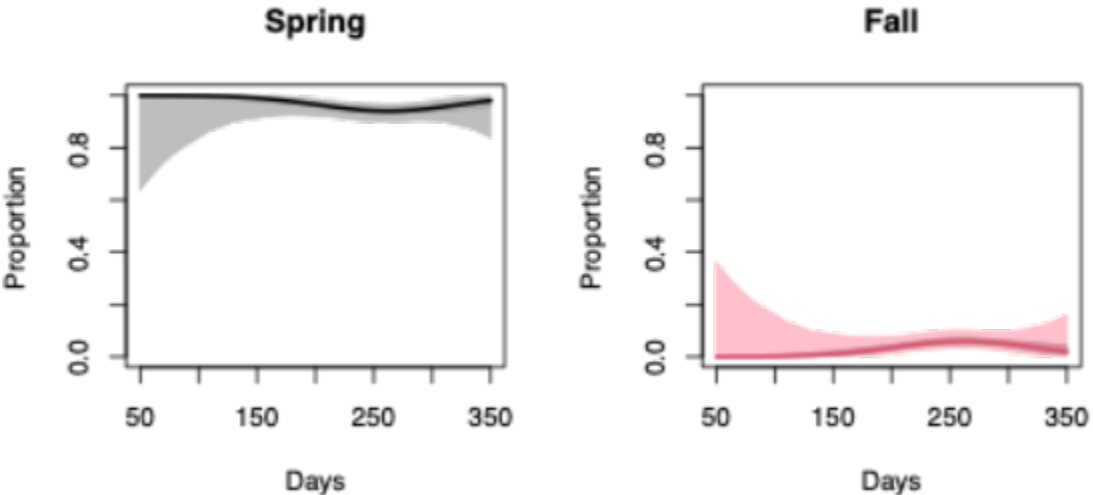


Figure A-3. Butte Creek Third Panel Set

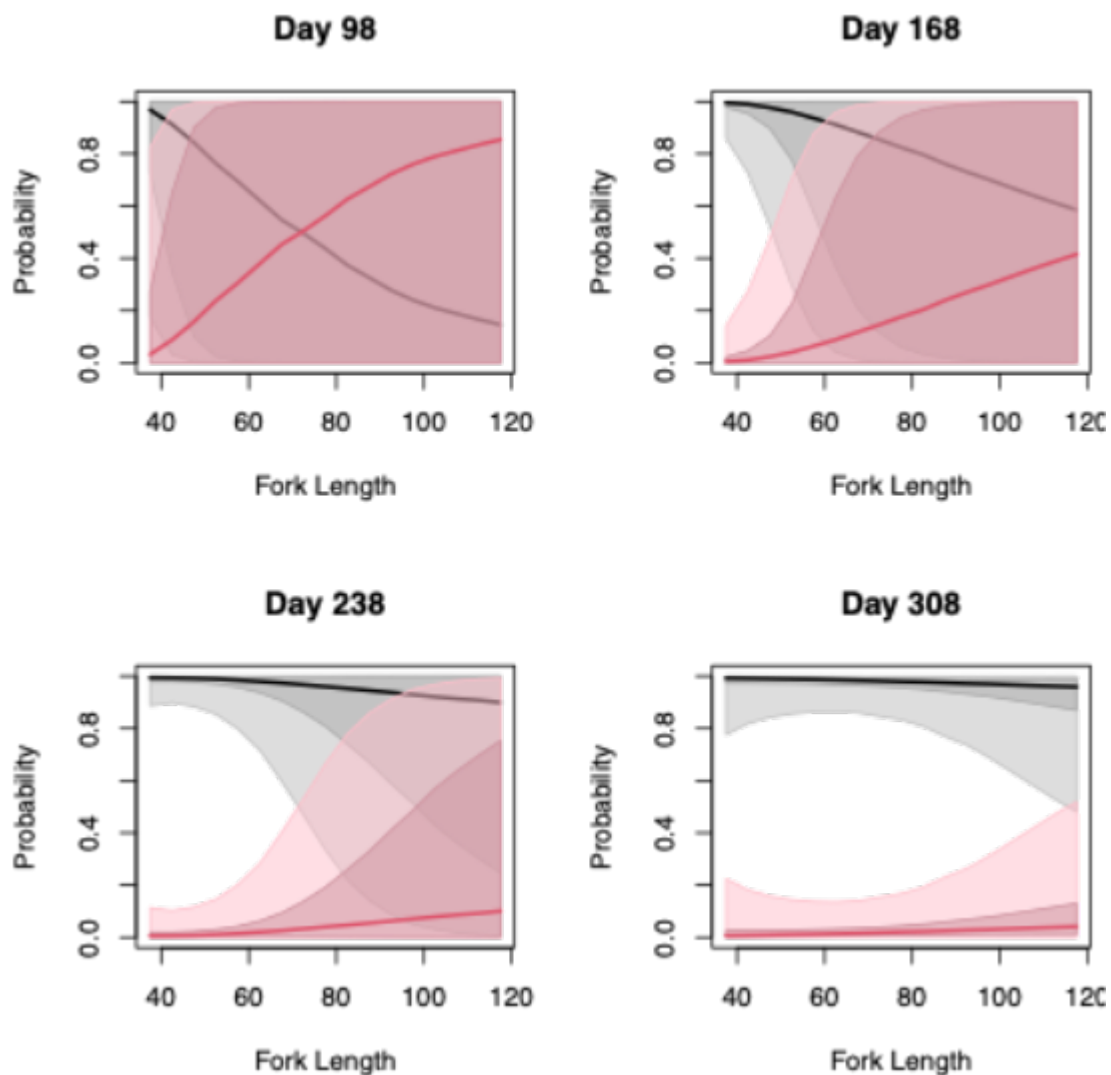


Figure A-4. Lower Clear Creek First Panel Set

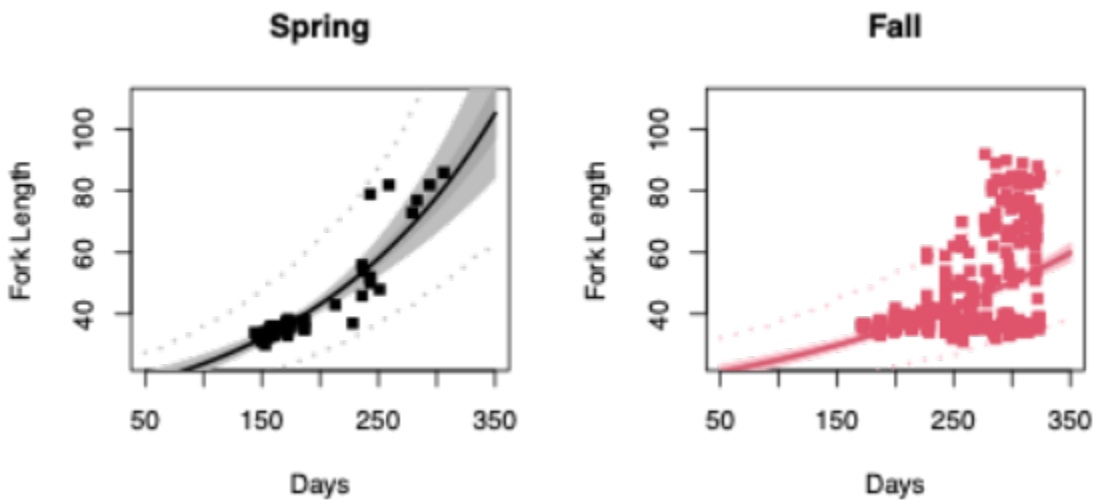


Figure A-5. Lower Clear Creek Second Panel Set

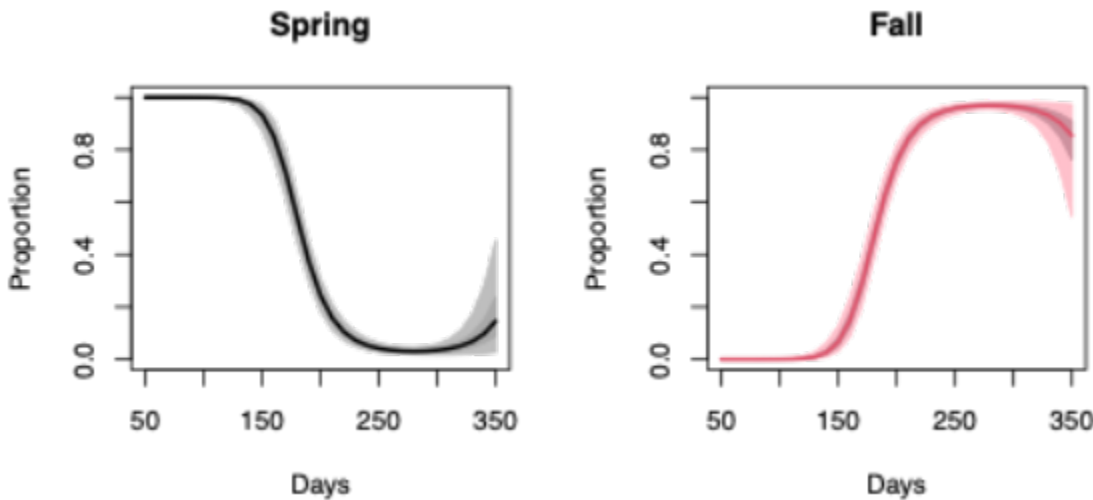


Figure A-6. Lower Clear Creek Third Panel Set

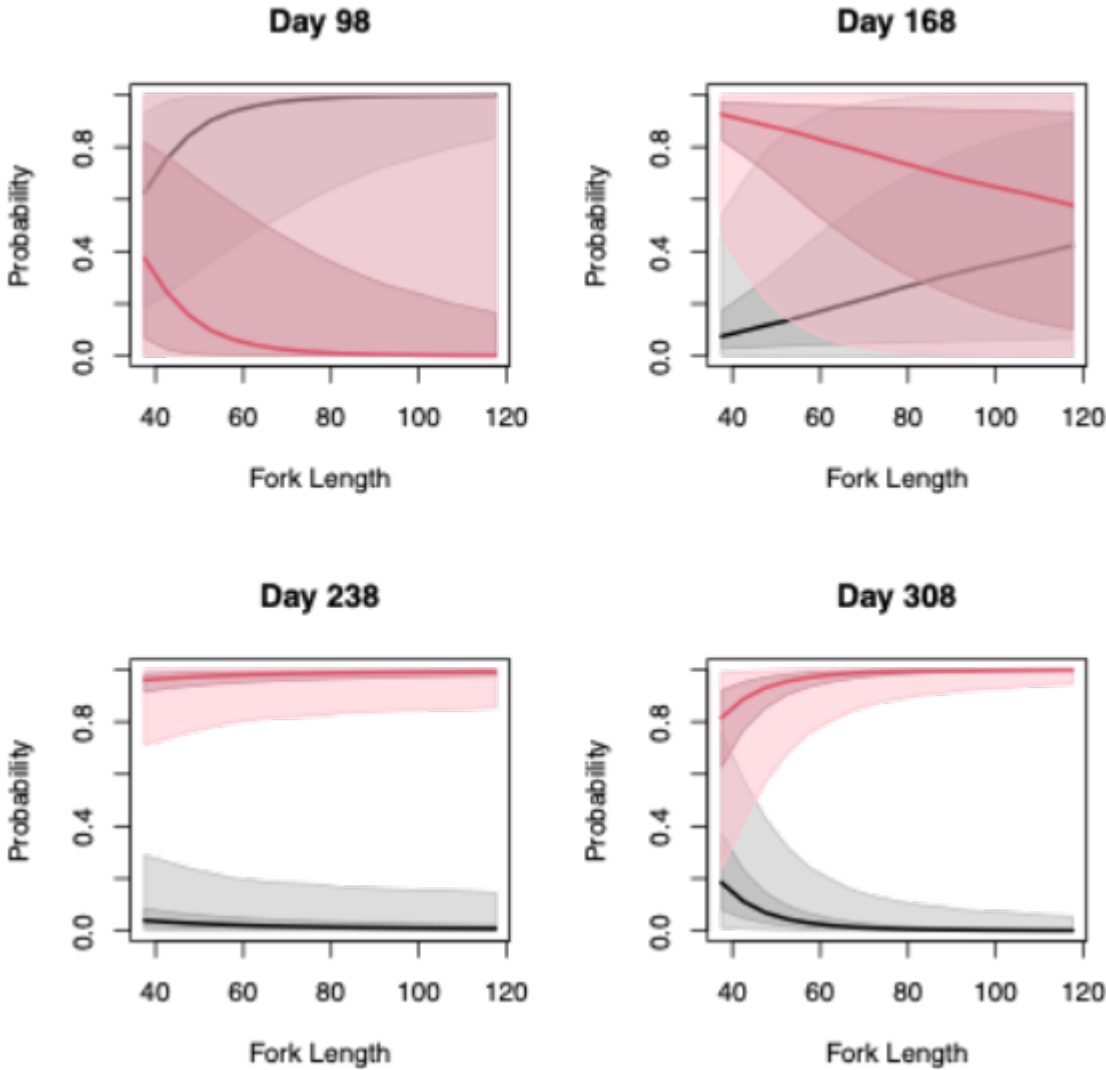


Figure A-7. Mill Creek First Panel Set

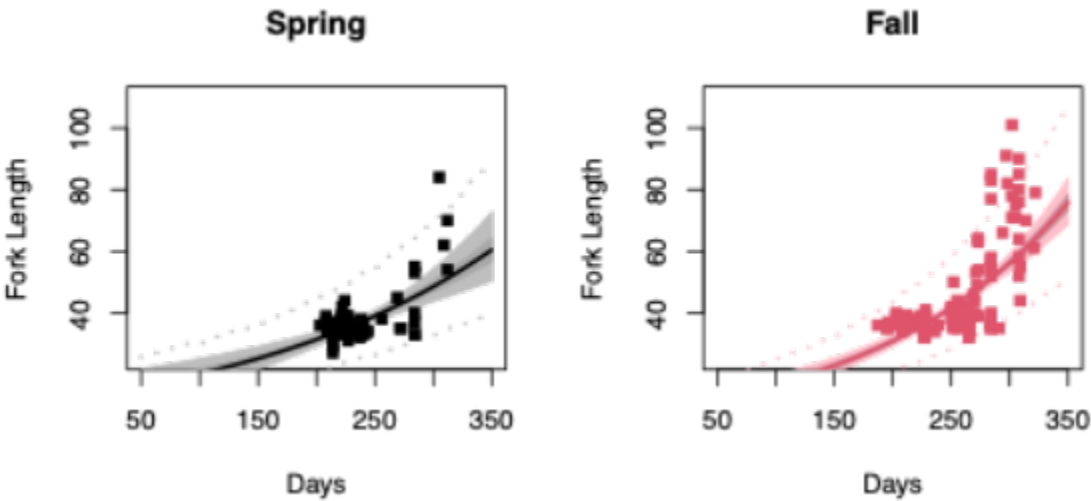


Figure A-8. Mill Creek Second Panel Set

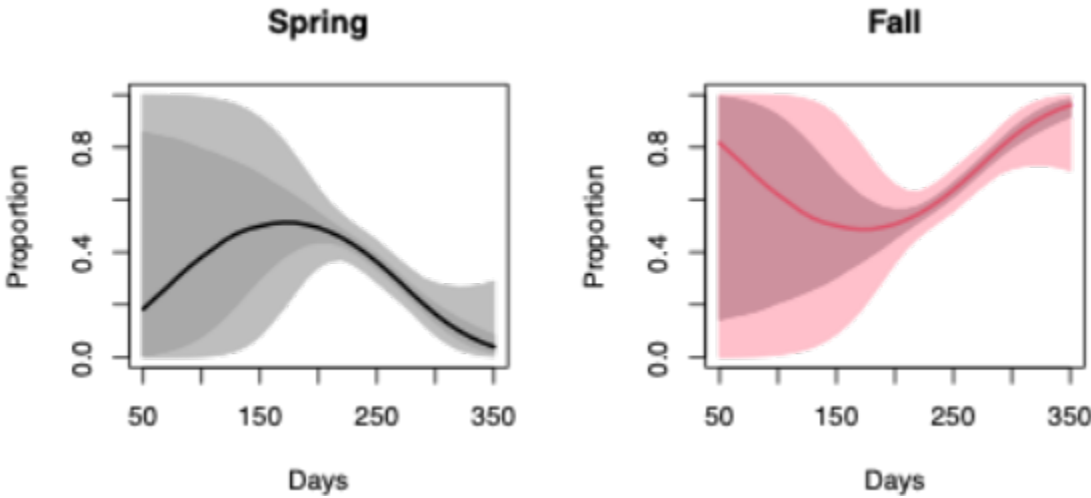


Figure A-9. Mill Creek Third Panel Set

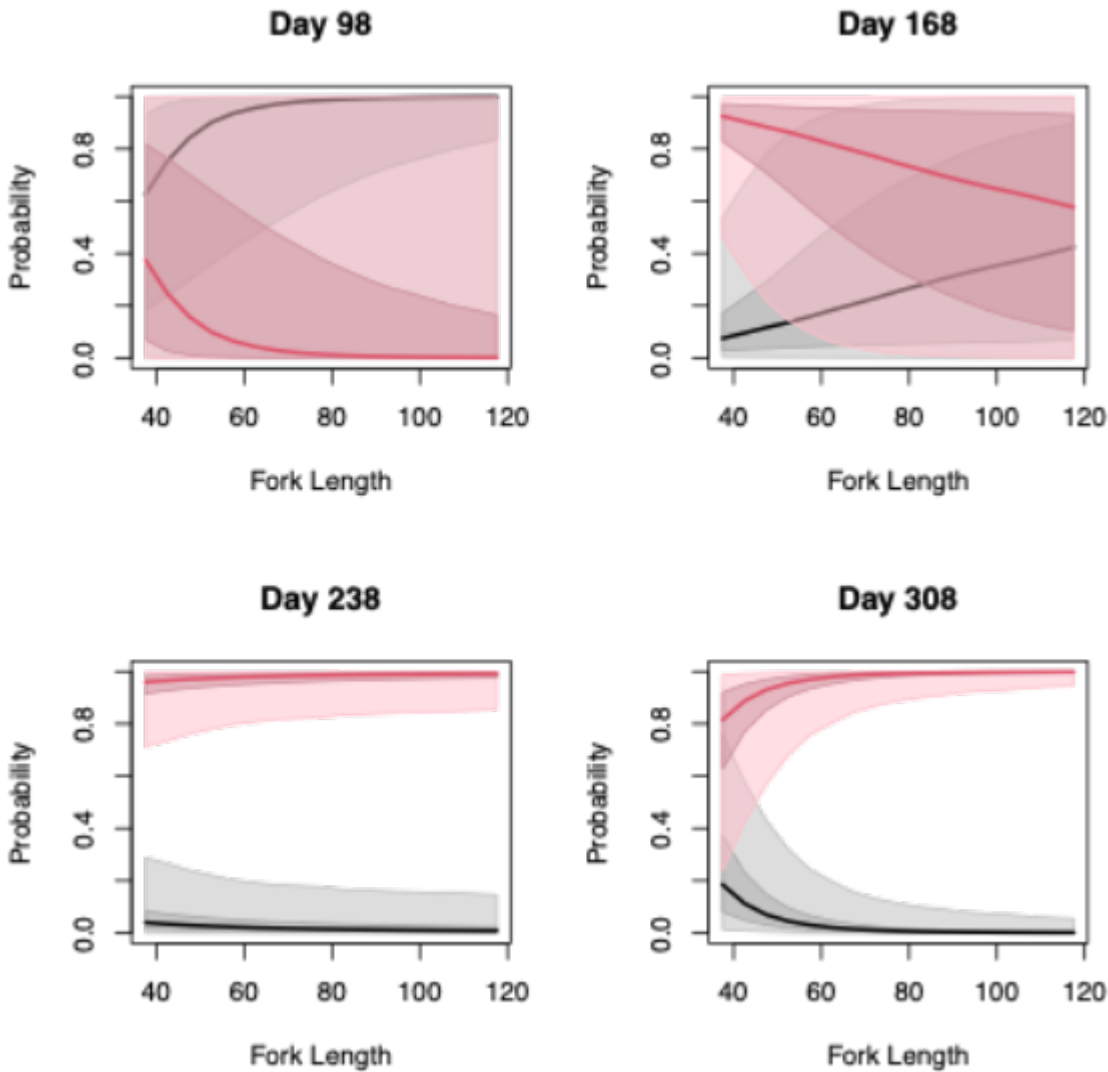


Figure A-10. Deer Creek First Panel Set

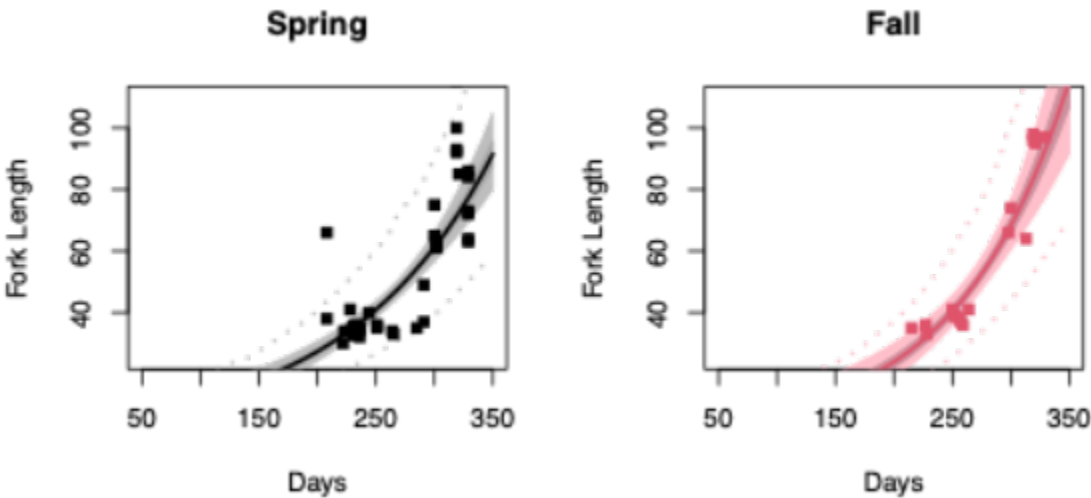


Figure A-11. Deer Creek Second Panel Set

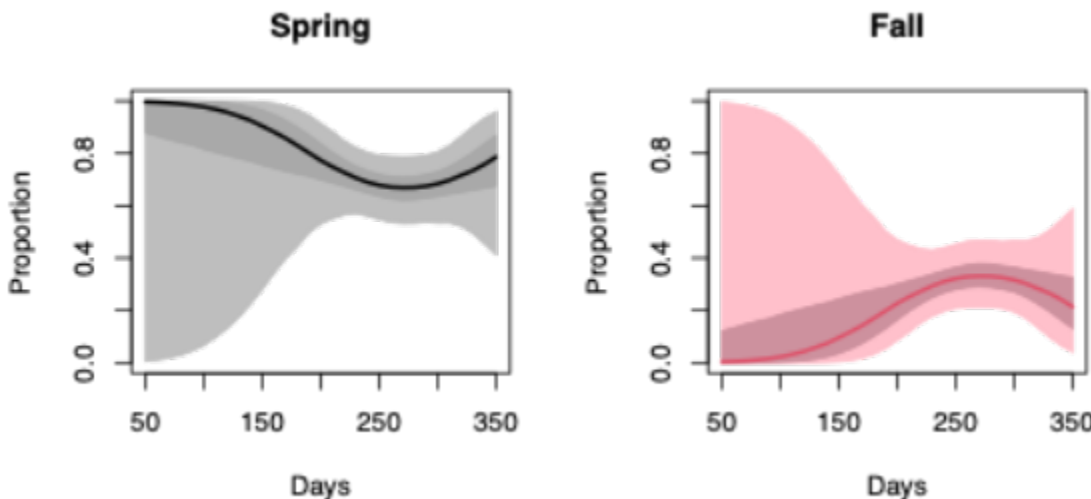


Figure A-12. Deer Creek Third Panel Set

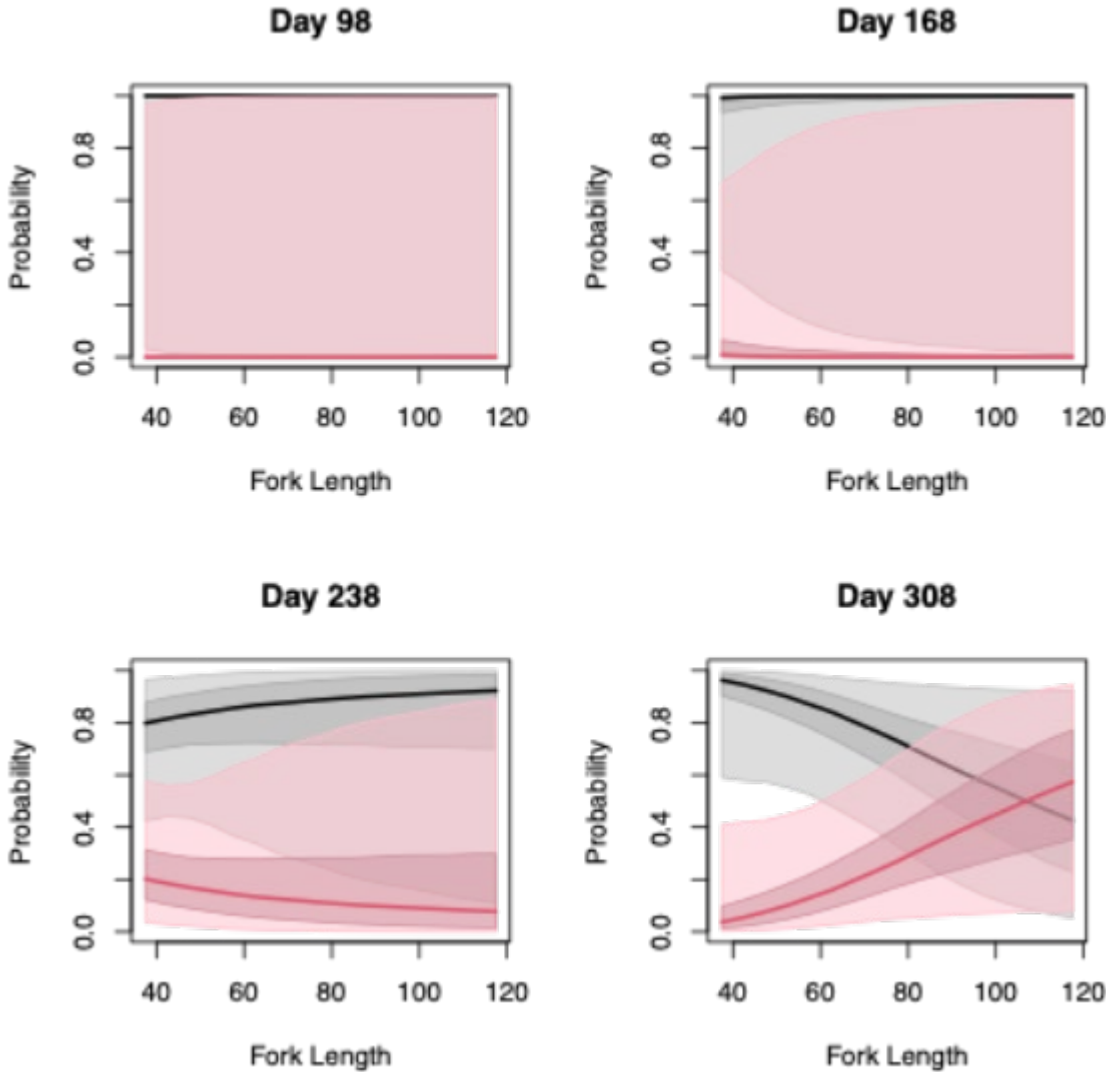


Figure A-13. Upper Feather River First Panel Set

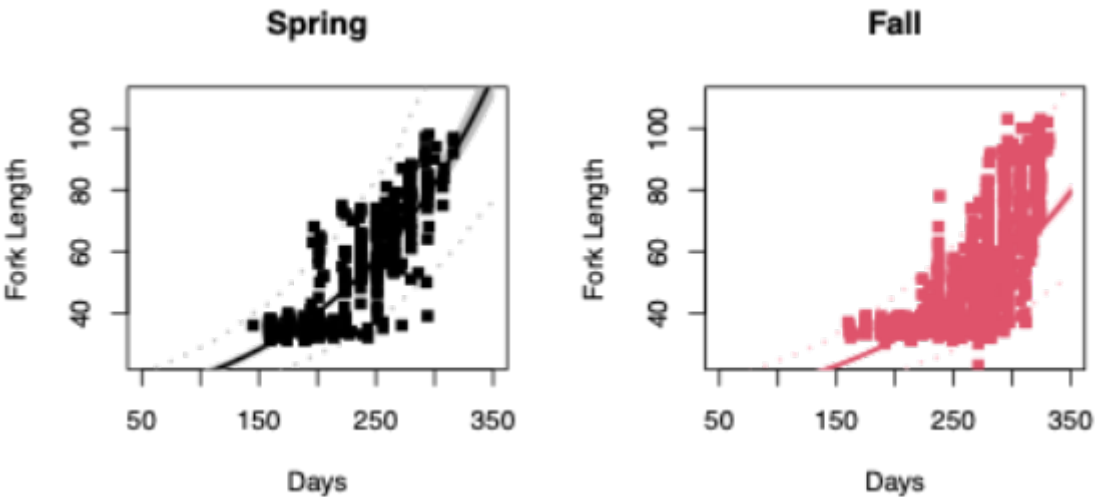


Figure A-14. Upper Feather River Second Panel Set

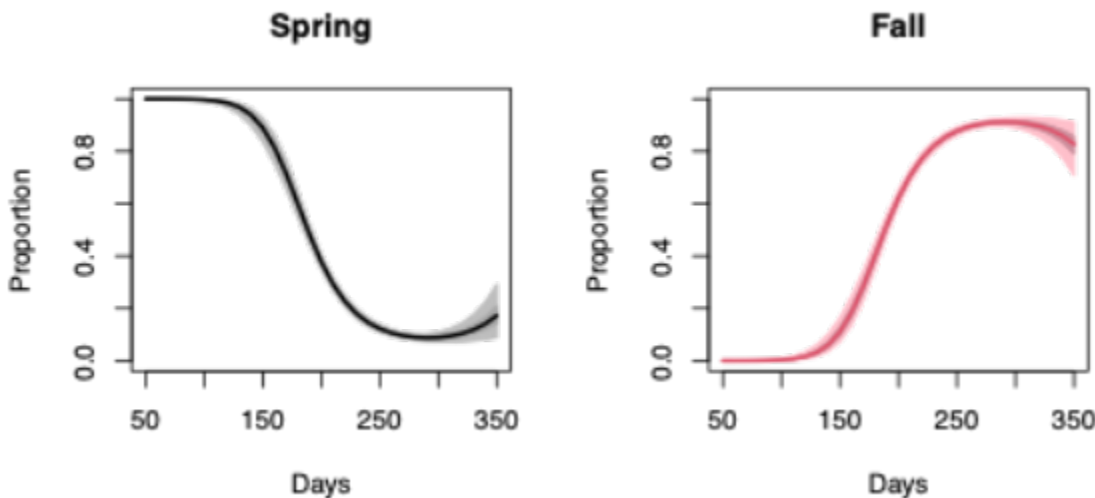


Figure A-15. Upper Feather River Third Panel Set

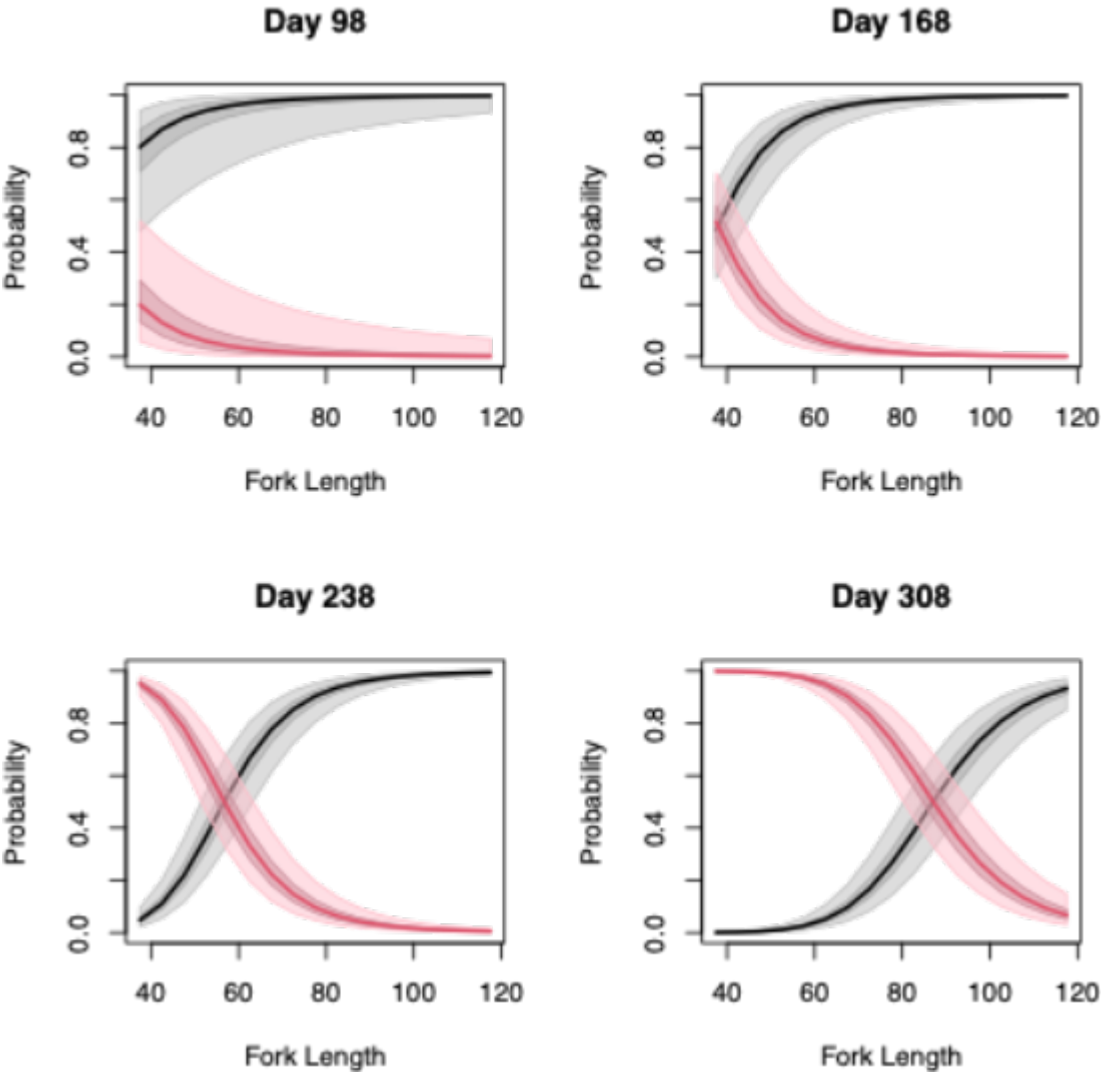


Figure A-16. Lower Feather River First Panel Set

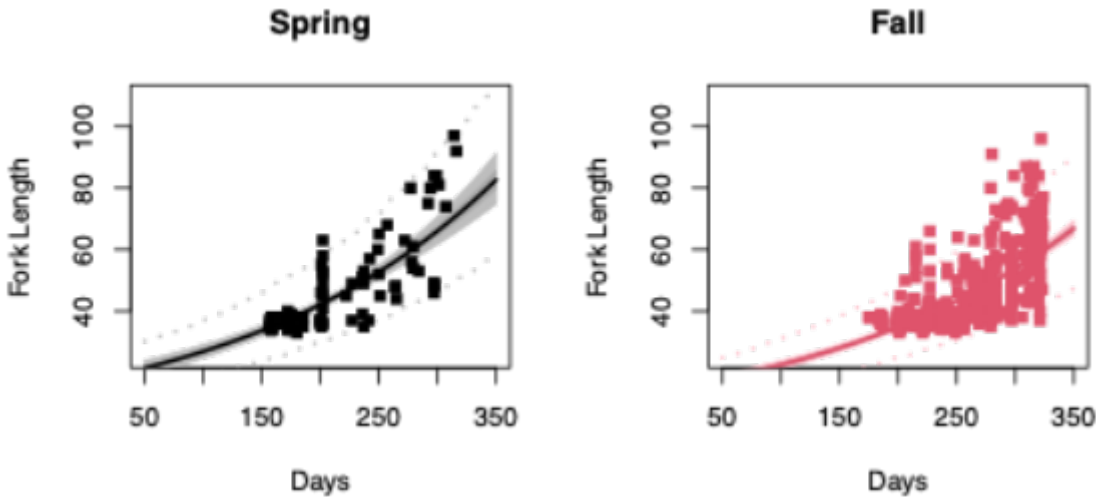


Figure A-17. Lower Feather River Second Panel Set

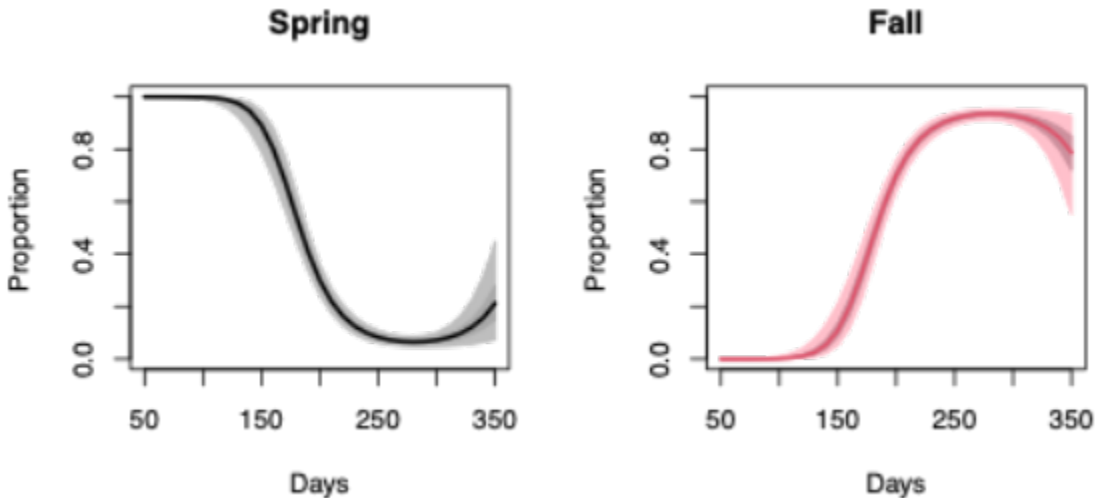


Figure A-18. Lower Feather River, Third Panel Set

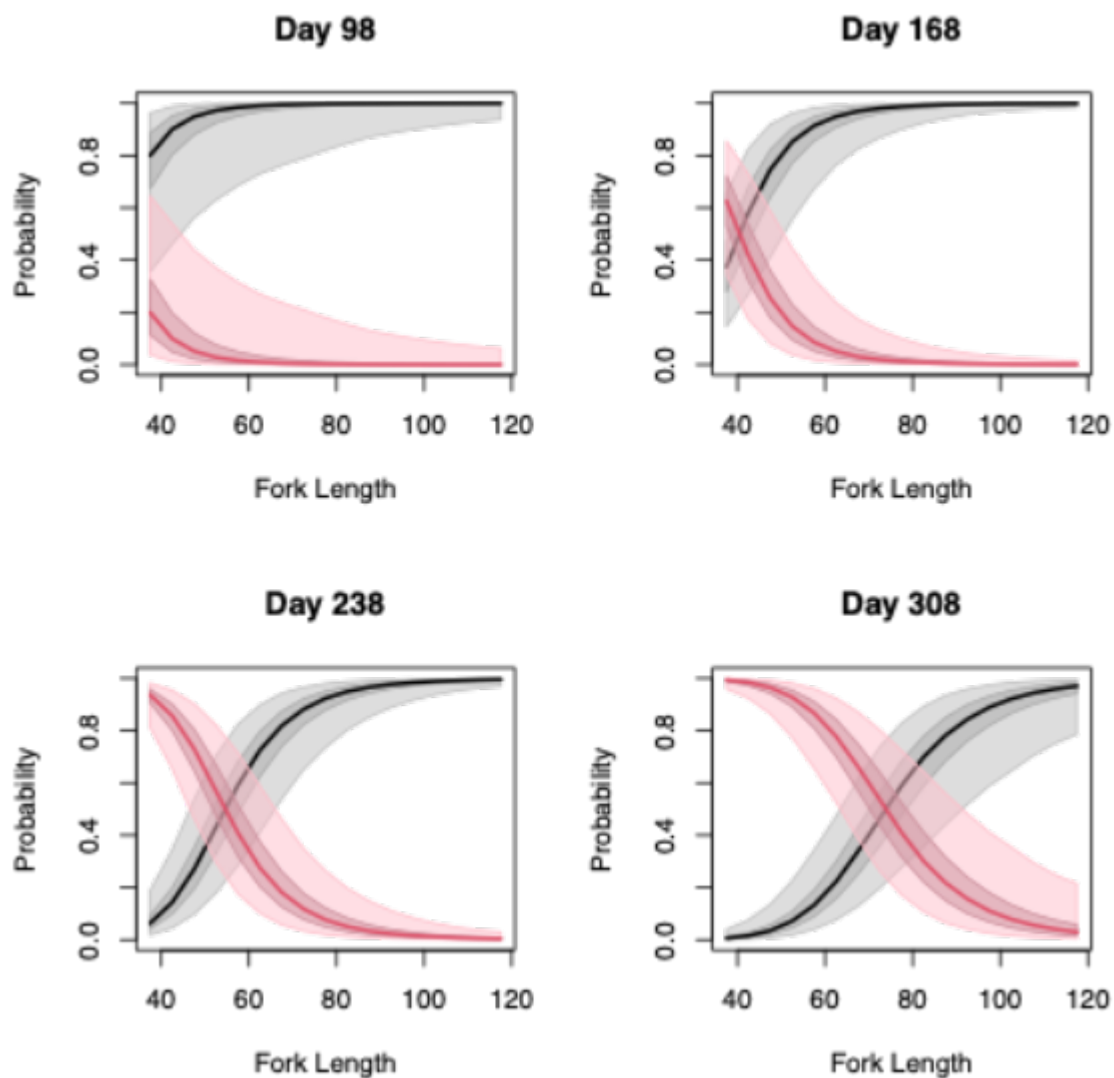


Figure A-19. Yuba River First Panel Set

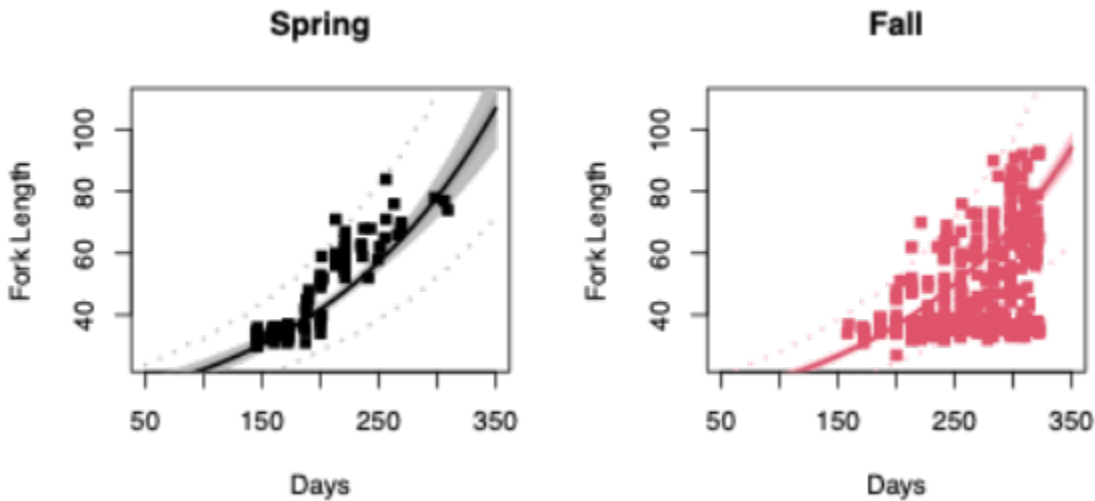


Figure A-20. Yuba River Second Panel Set

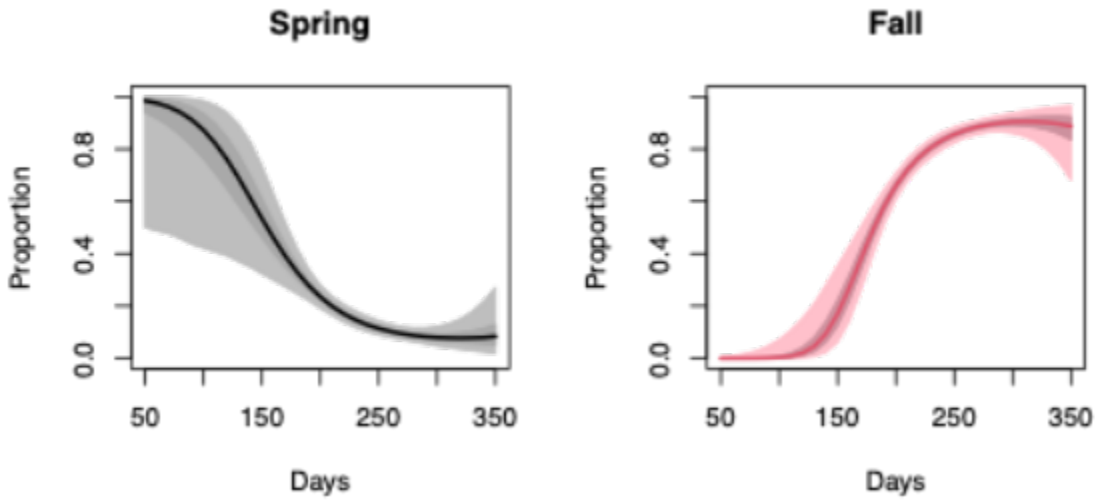


Figure A-21. Yuba River Third Panel Set

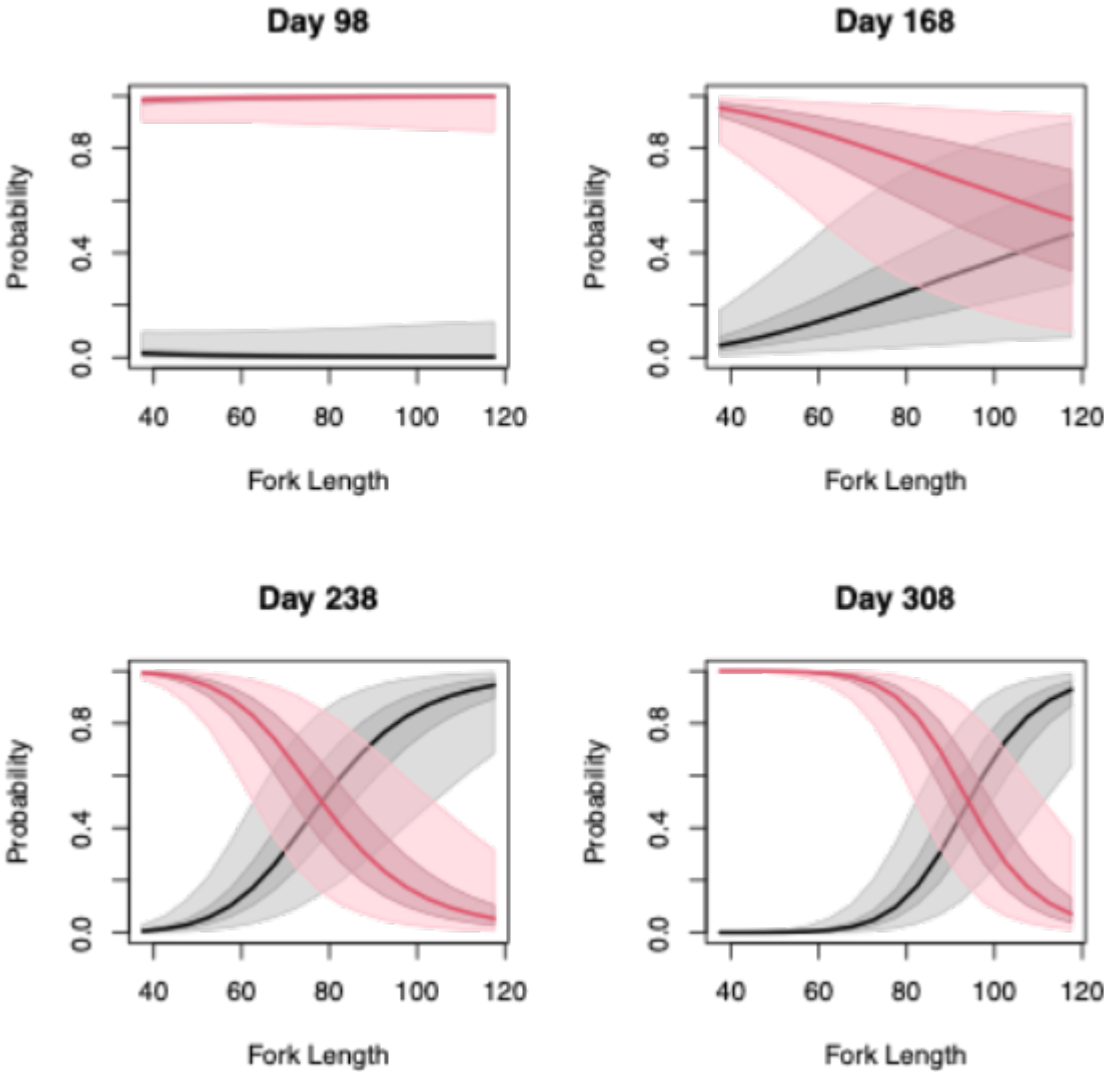
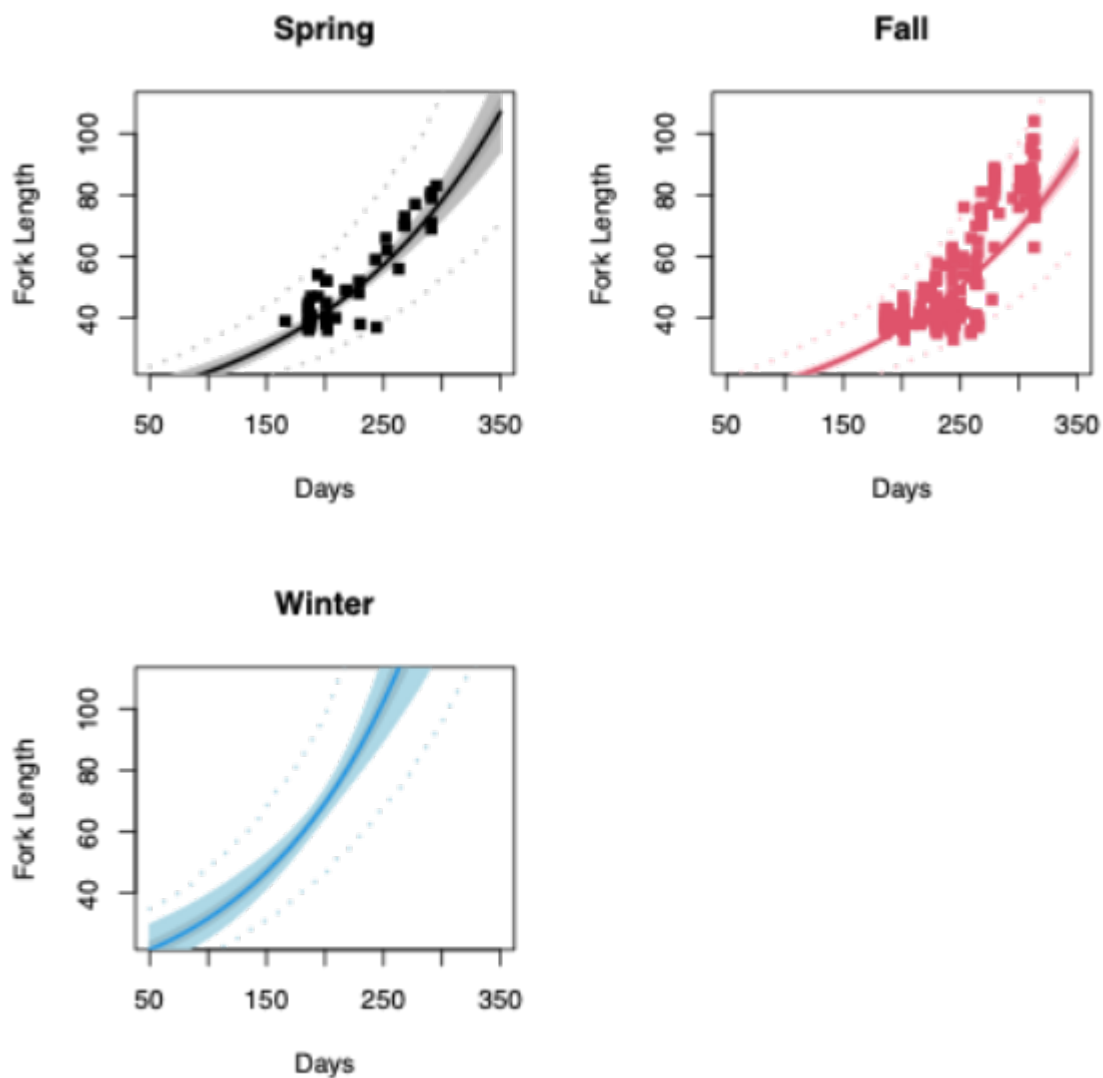


Figure A-22. Tisdale and Knights Landing

Tisdale (Points)



Knights Landing (Points)

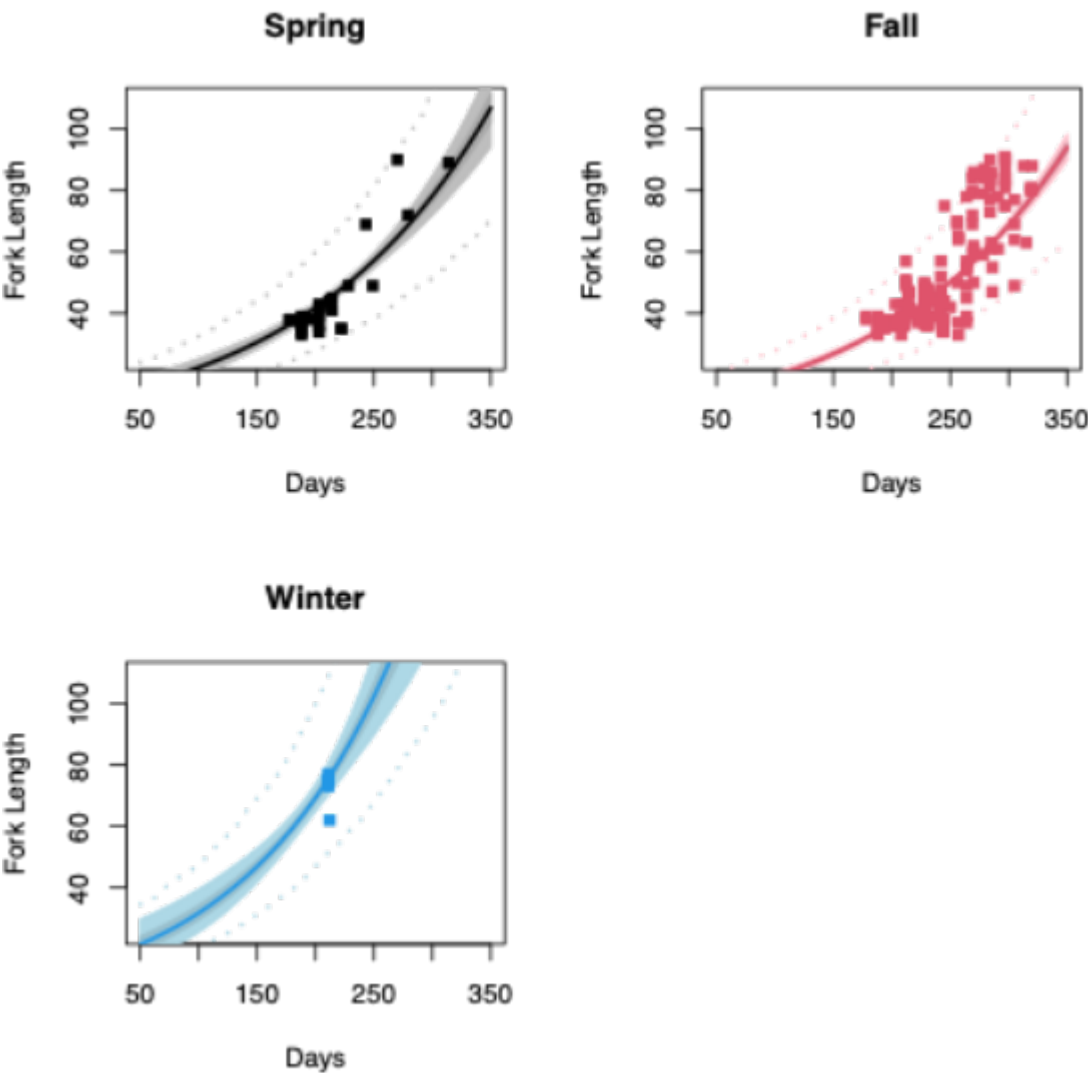


Figure A-23. Tisdale and Knights Landing, Continued

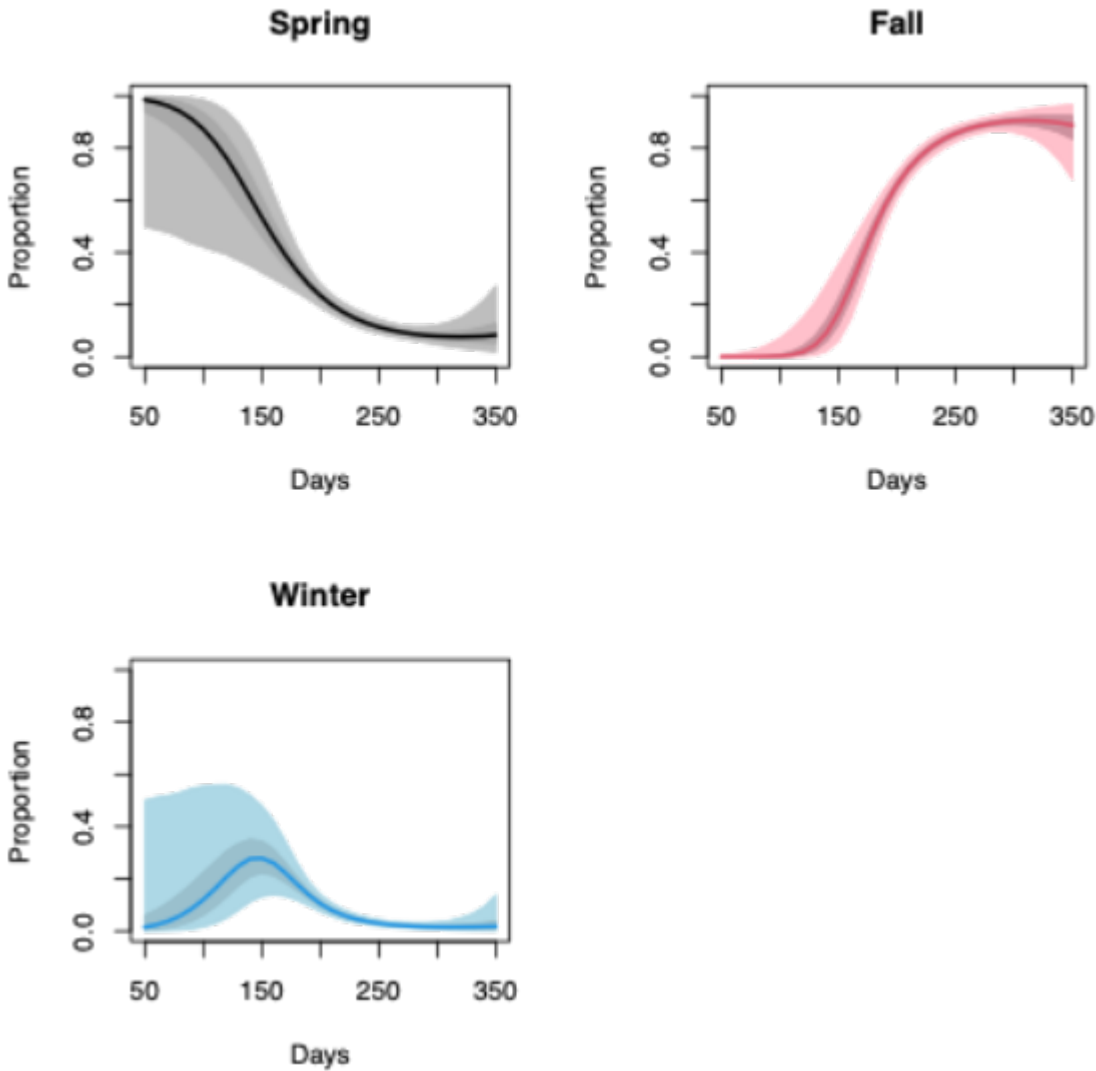


Figure A-24. Tisdale and Knights Landing, Continued

