GAM Models

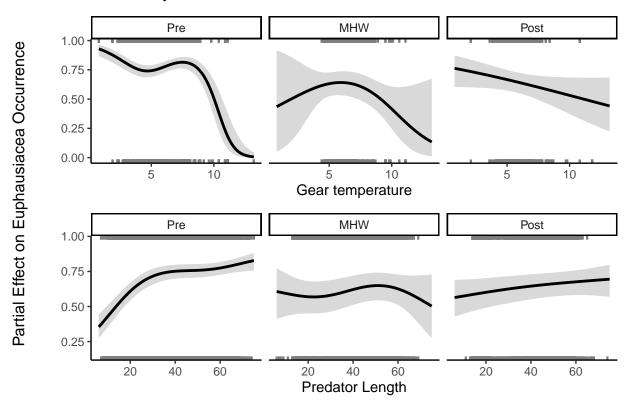
Catalina Burch

2023-05-24

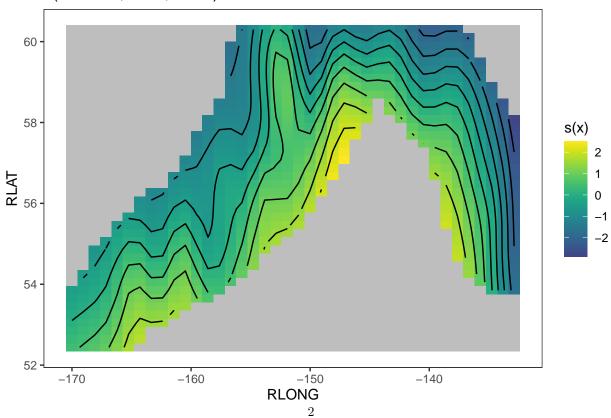
This document runs all of the GAMs included in my thesis.

Model 1: Euphausiacea Prey

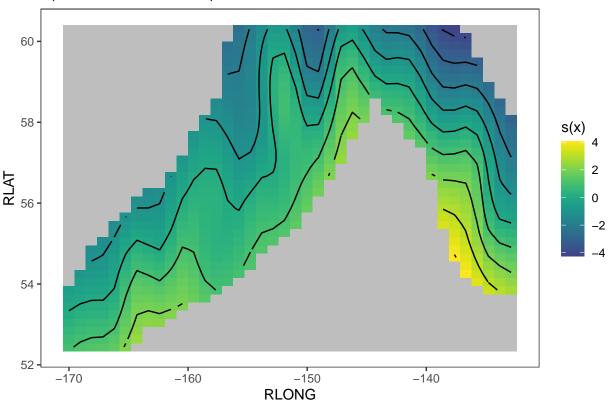
Predator: Walleye Pollock



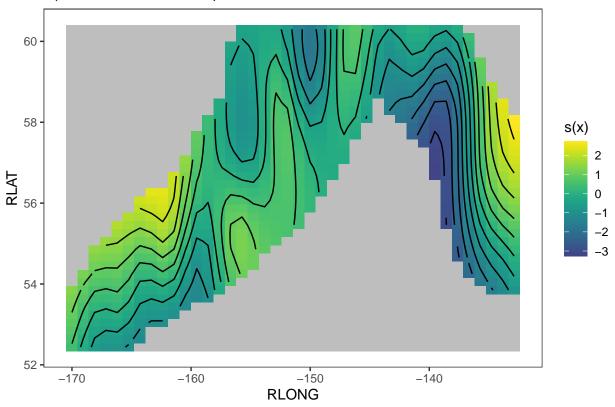
s(RLONG,RLAT,27.68):MHWPre



s(RLONG,RLAT,26.34):MHWMHW



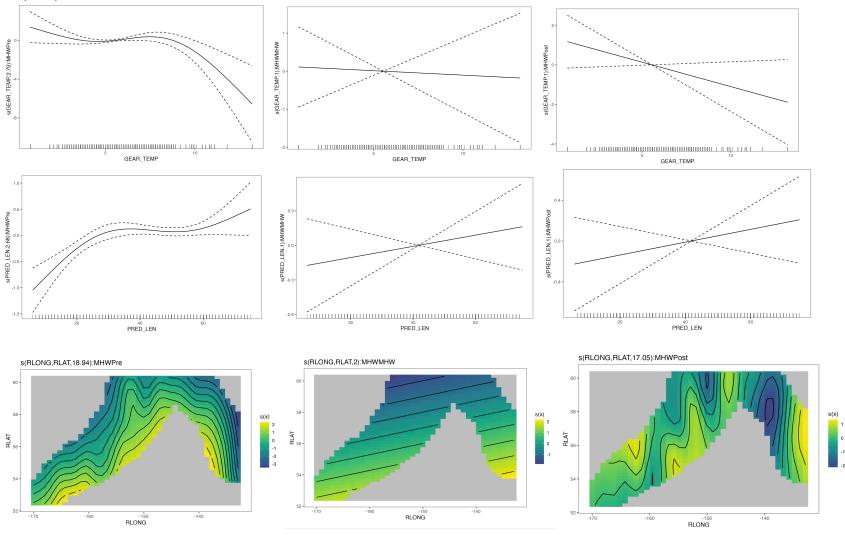
s(RLONG,RLAT,25.36):MHWPost



This page shows the results of a gamm4 model with a nested random effect of (1|YEAR/STATIONID).

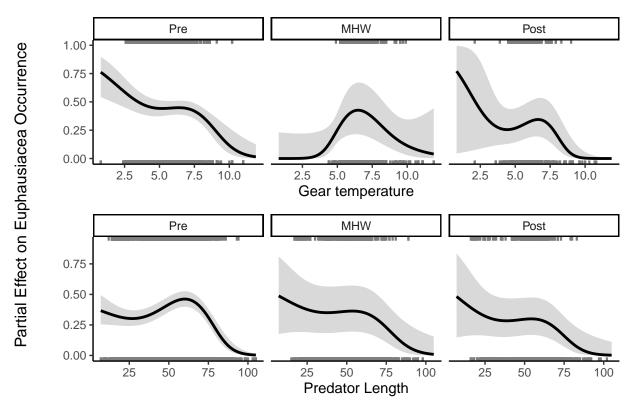
Predator: Walleye Pollock

Prey: Euphausiacea

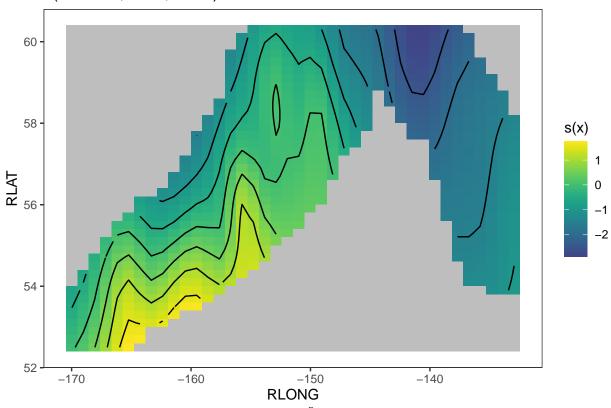


Model 1: Euphausiacea Prey

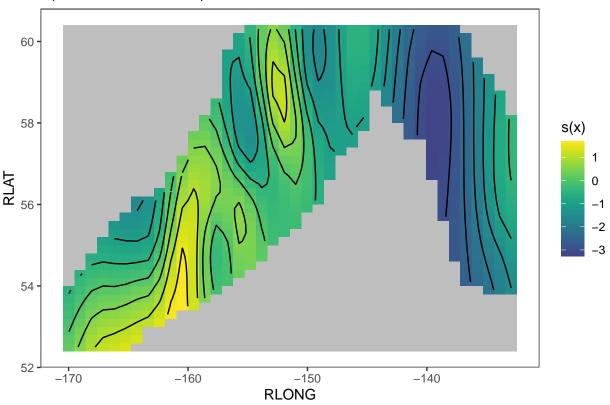
Predator: Pacific Cod



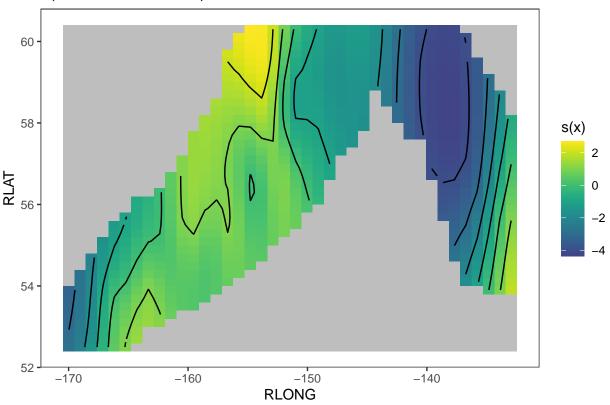
s(RLONG,RLAT,22.74):MHWPre



s(RLONG,RLAT,22.1):MHWMHW

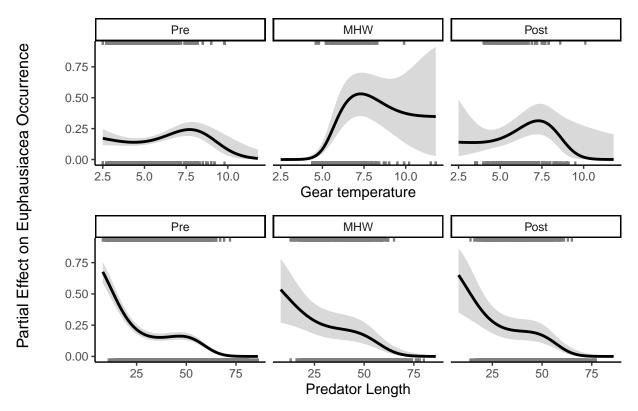


s(RLONG,RLAT,19.1):MHWPost

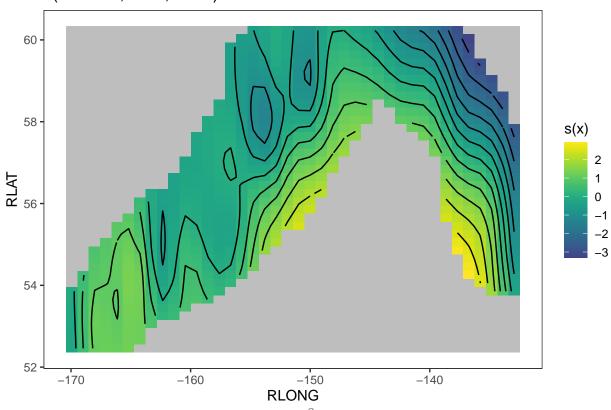


Model 1: Euphausiacea Prey

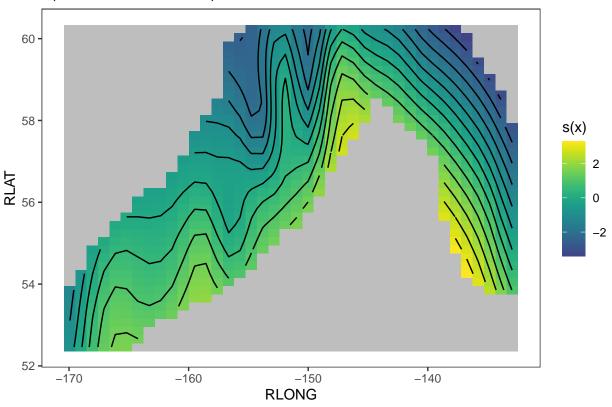
Predator: Arrowtooth Flounder

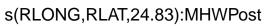


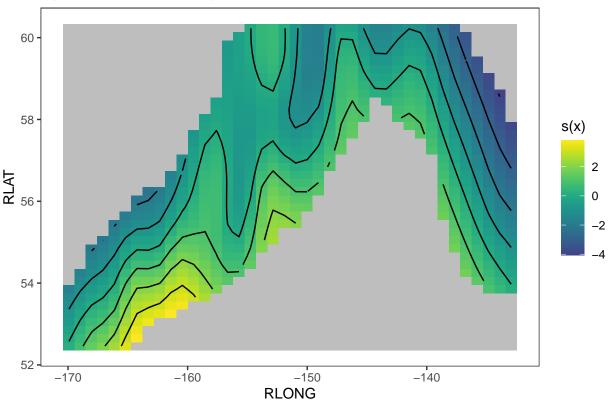
s(RLONG,RLAT,27.97):MHWPre



s(RLONG,RLAT,24.84):MHWMHW

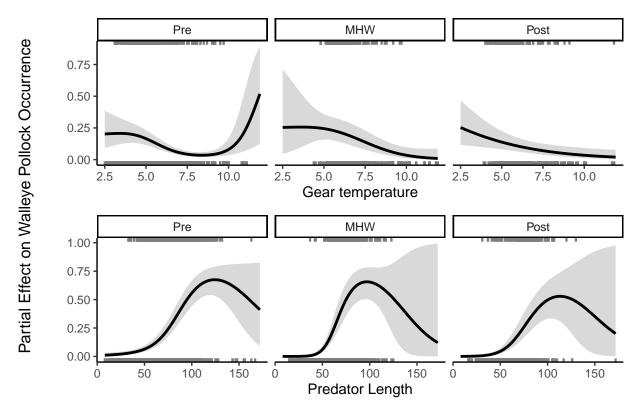




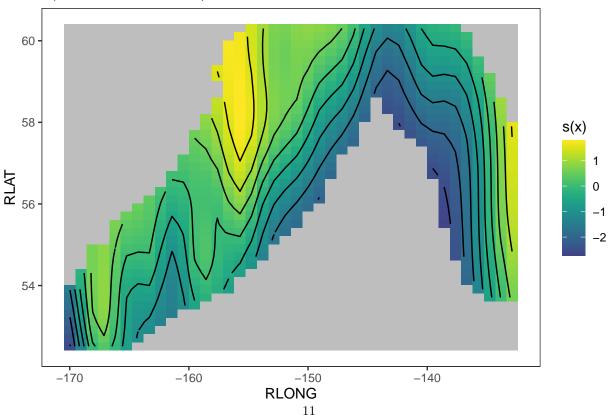


Model 2: Walleye Pollock Prey

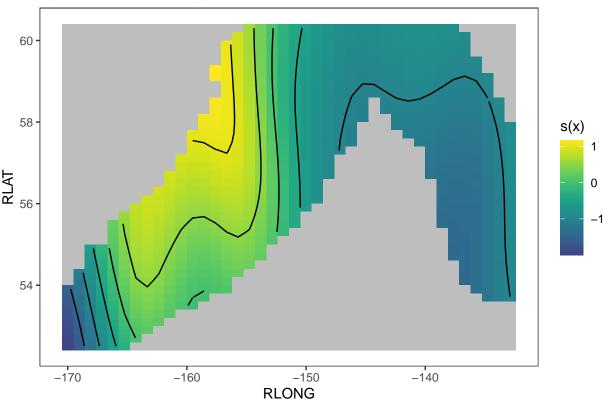
Predator: Pacific Halibut

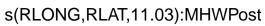


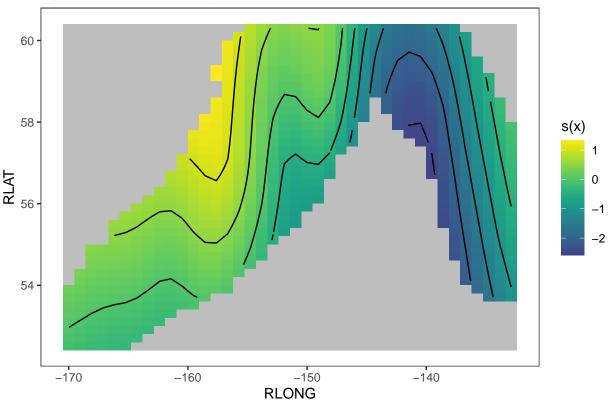
s(RLONG,RLAT,23.3):MHWPre



s(RLONG,RLAT,9.74):MHWMHW

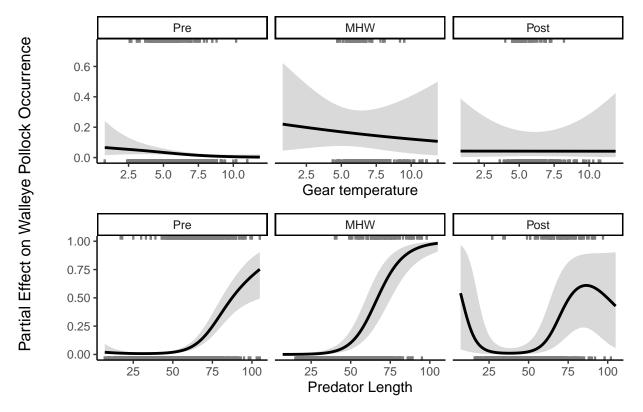




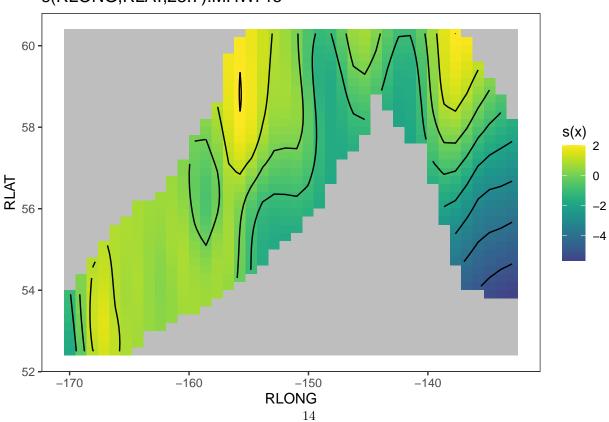


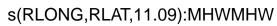
Model 2: Walleye Pollock Prey

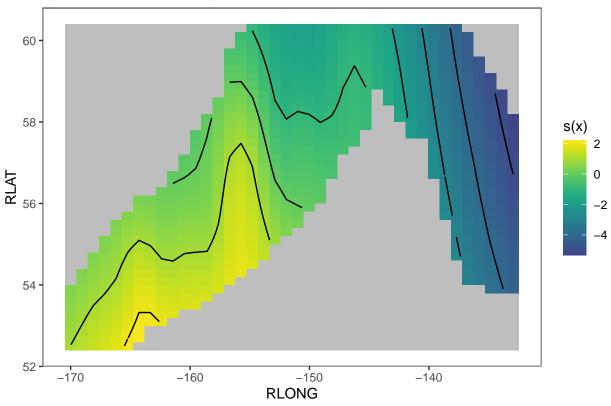
Predator: Pacific Cod



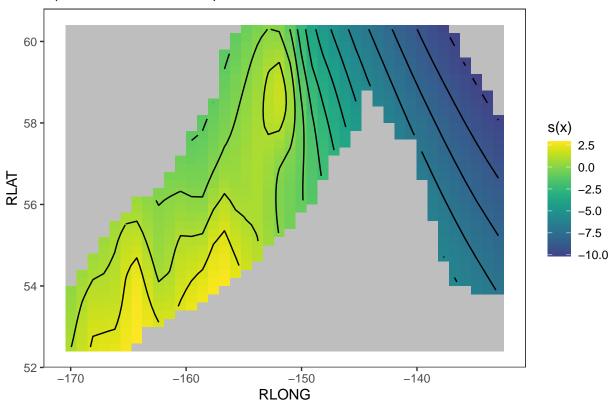
s(RLONG,RLAT,23.7):MHWPre





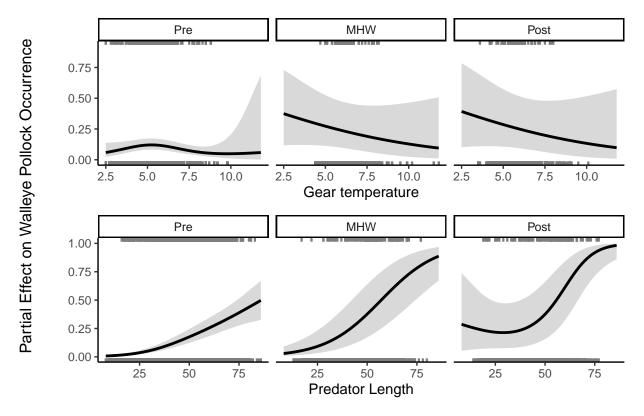


s(RLONG,RLAT,15.47):MHWPost

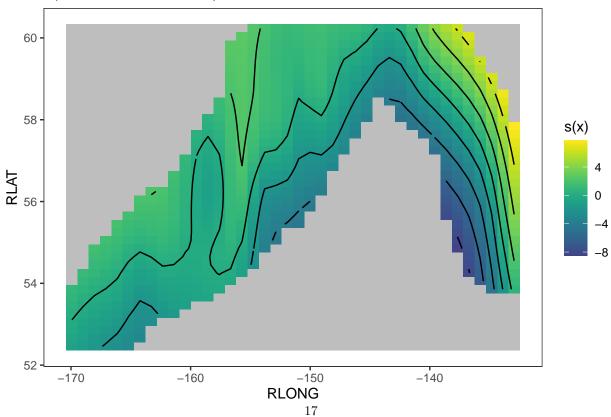


Model 2: Walleye Pollock Prey

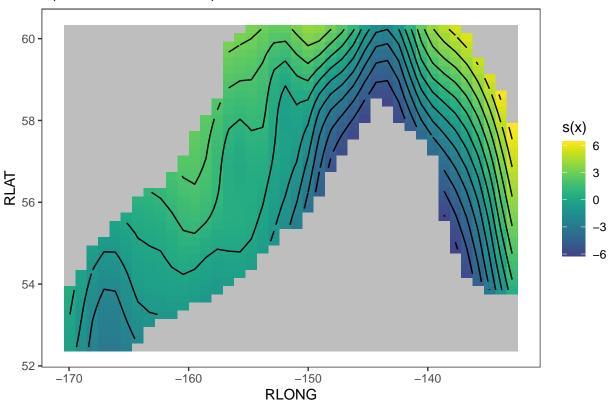
Predator: Arrowtooth Flouder



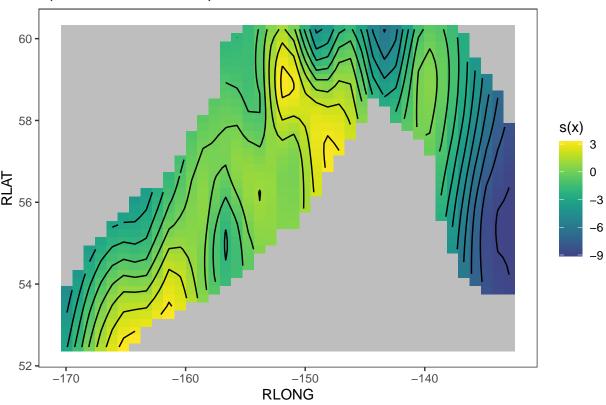
s(RLONG,RLAT,27.77):MHWPre



s(RLONG,RLAT,22.57):MHWMHW

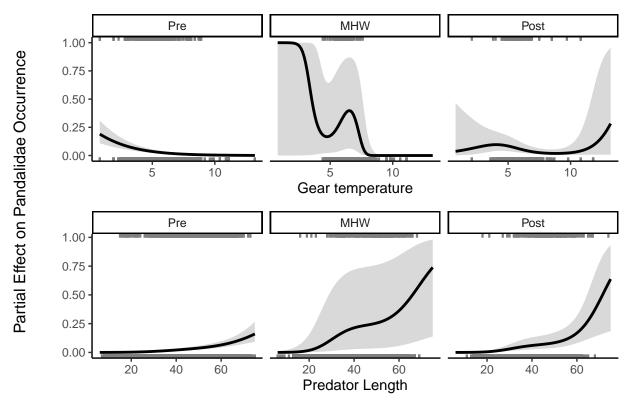


s(RLONG,RLAT,24.87):MHWPost

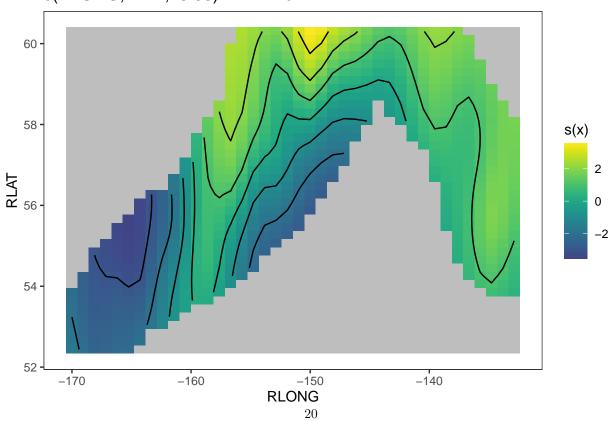


Model 3: Pandalidae Prey

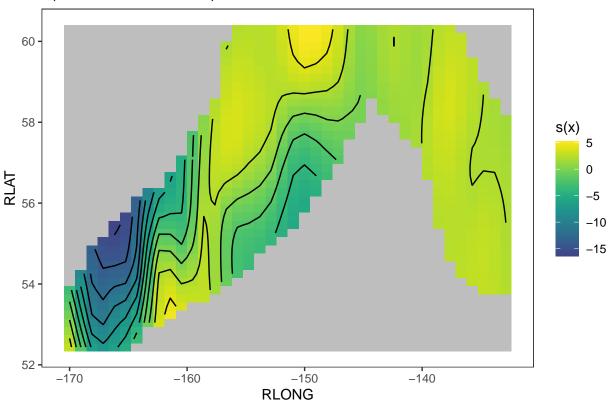
Predator: Walleye Pollock



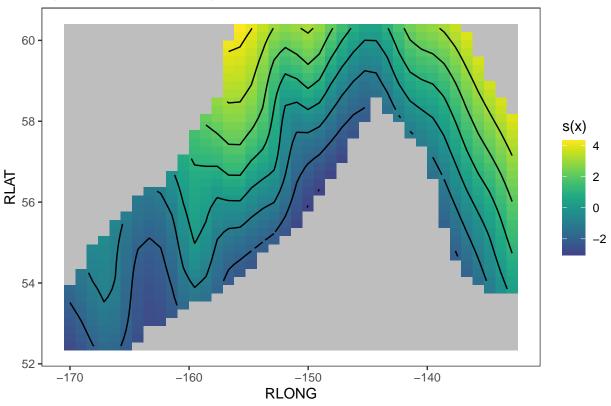
s(RLONG,RLAT,25.08):MHWPre





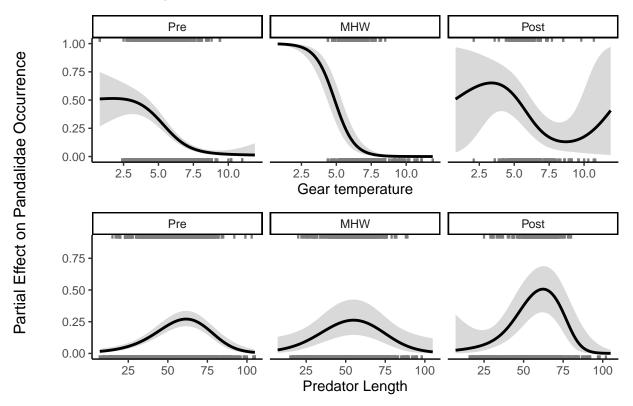




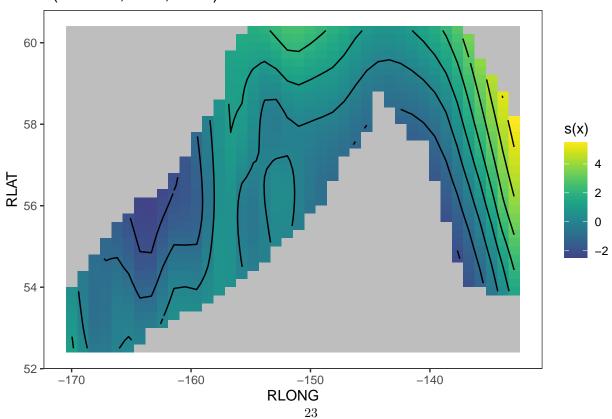


Model 3: Pandalidae Prey

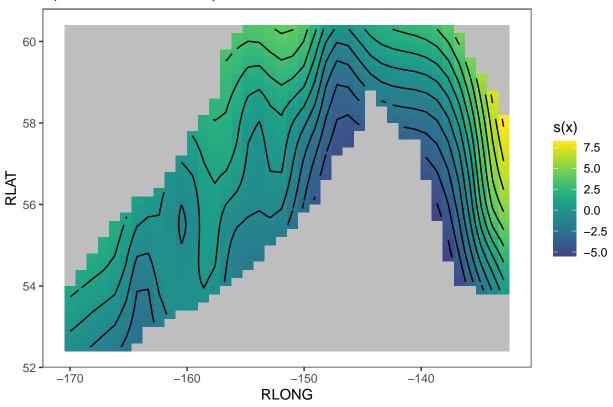
Predator: Walleye Pollock

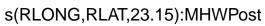


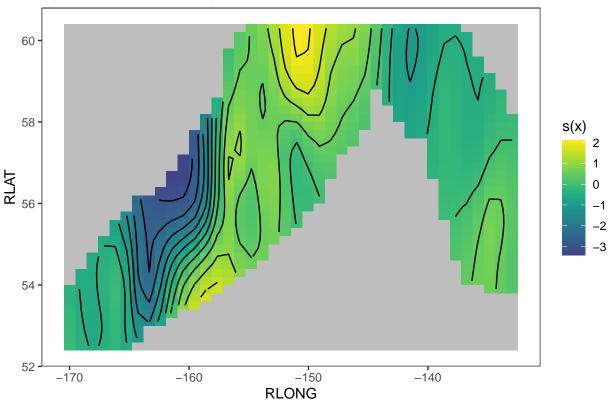
s(RLONG,RLAT,27.23):MHWPre



s(RLONG,RLAT,25.08):MHWMHW

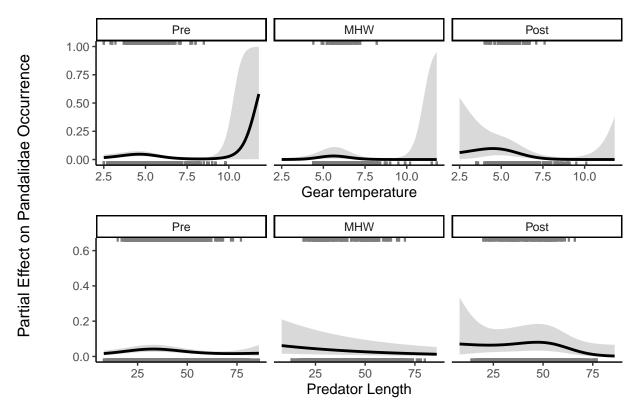




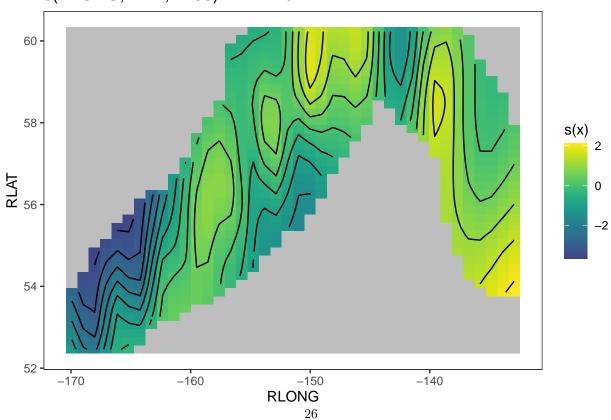


Model 3: Pandalidae Prey

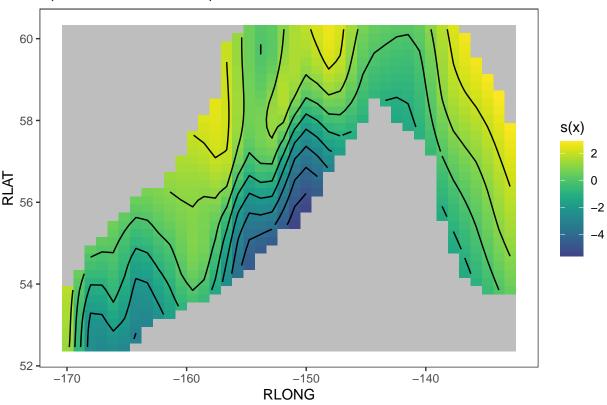
Predator: Arrowtooth Flounder

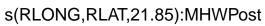


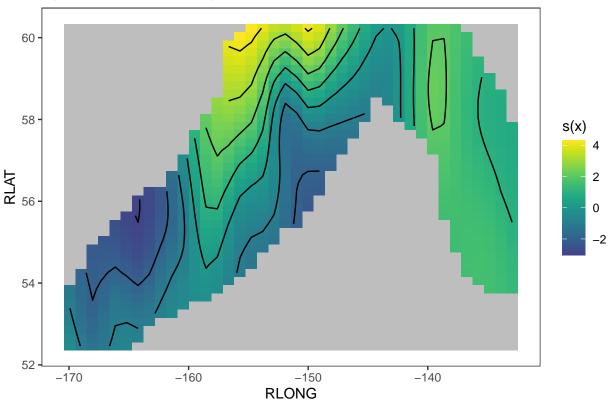
s(RLONG,RLAT,27.38):MHWPre





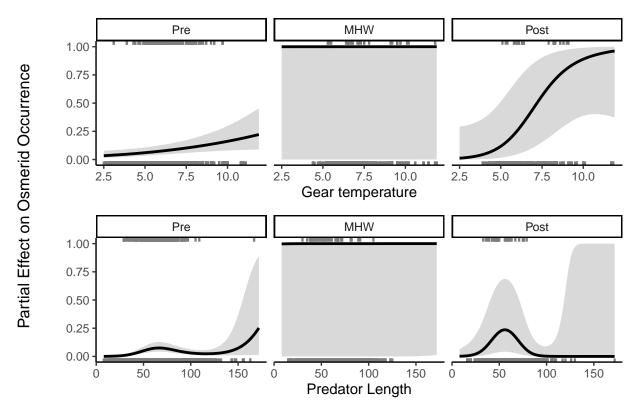




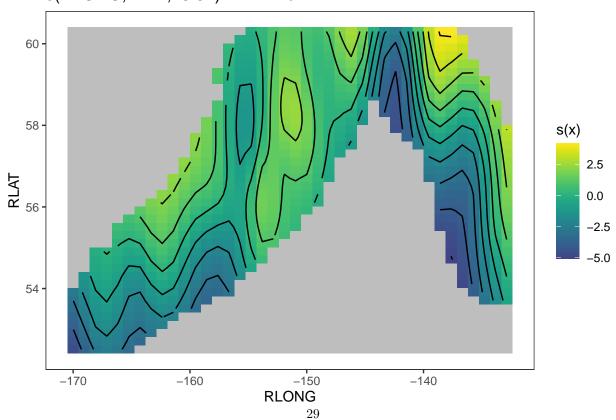


Model 5: Osmerid Prey

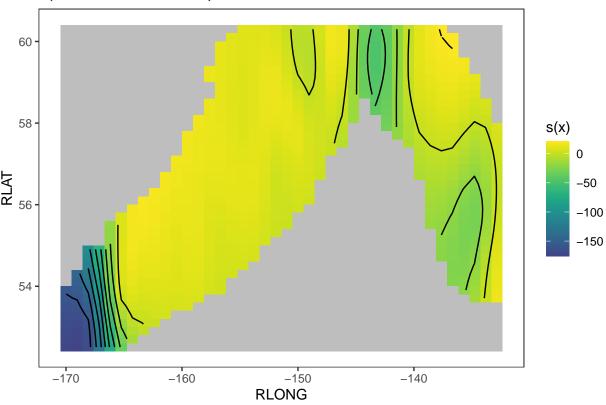
Predator: Pacific Halibut



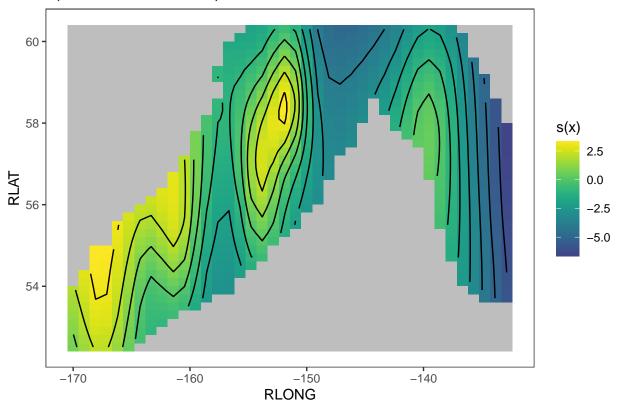
s(RLONG,RLAT,25.54):MHWPre





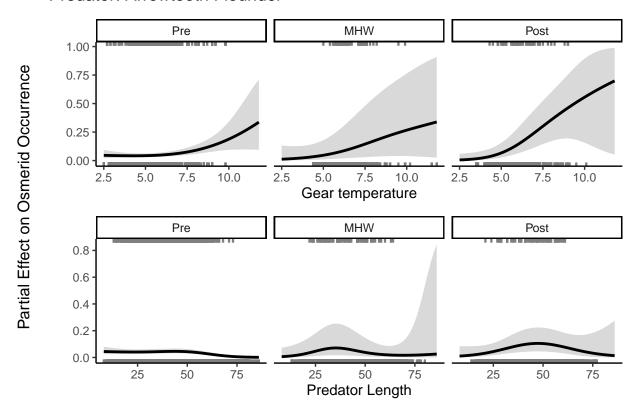


s(RLONG,RLAT,15.77):MHWPost

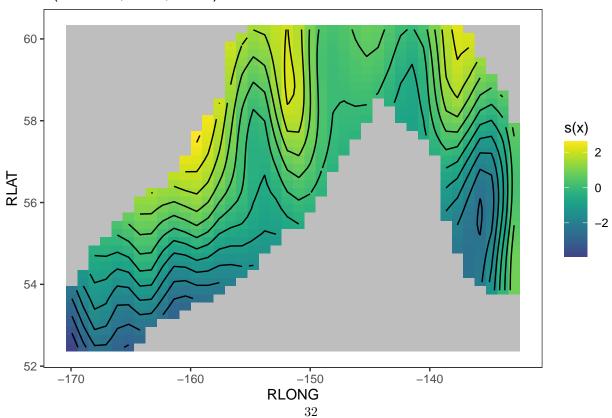


Model 5: Osmerid Prey

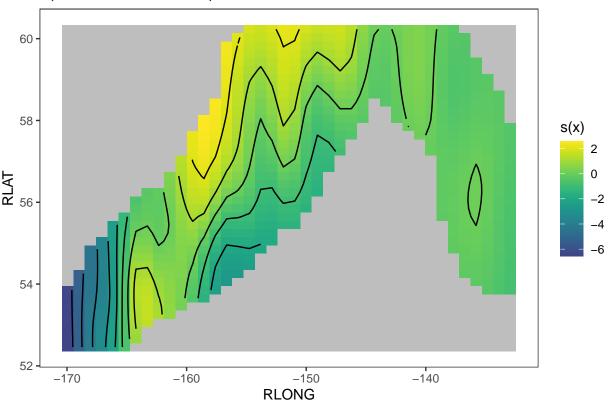
Predator: Arrowtooth Flounder

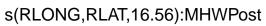


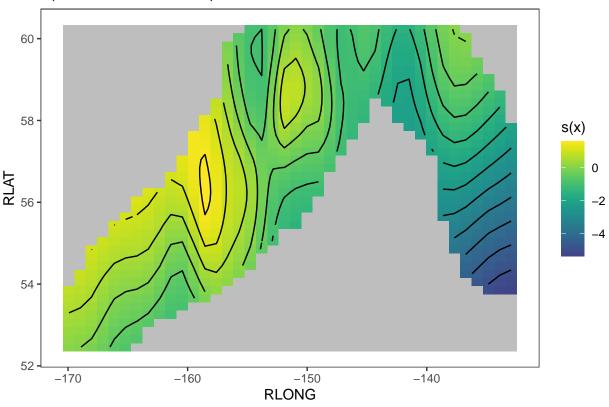
s(RLONG,RLAT,26.29):MHWPre





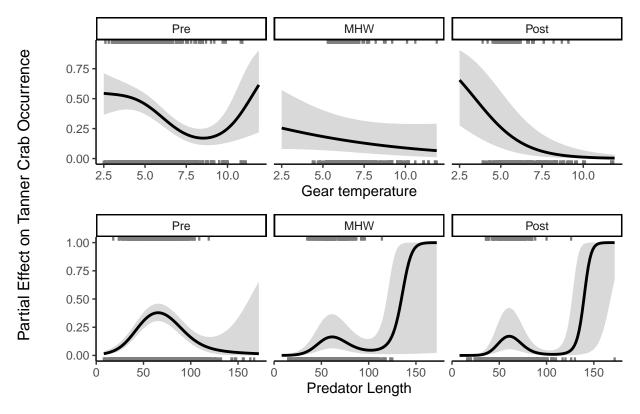




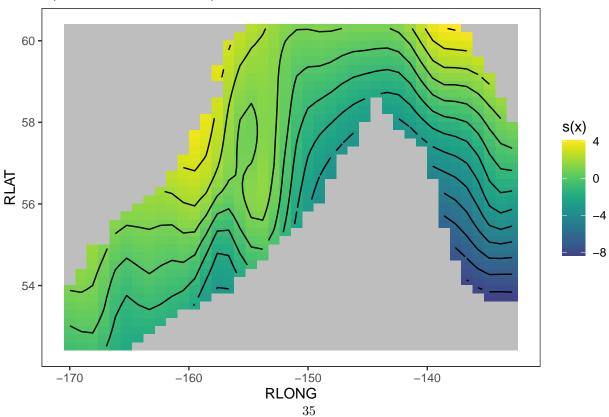


Model 6: Tanner Crab Prey Occurrence

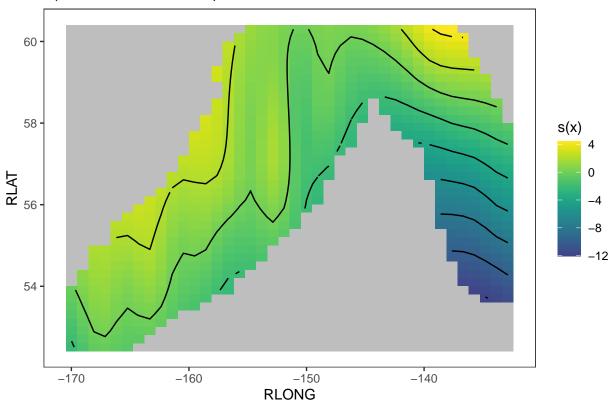
Predator: Pacific Halibut



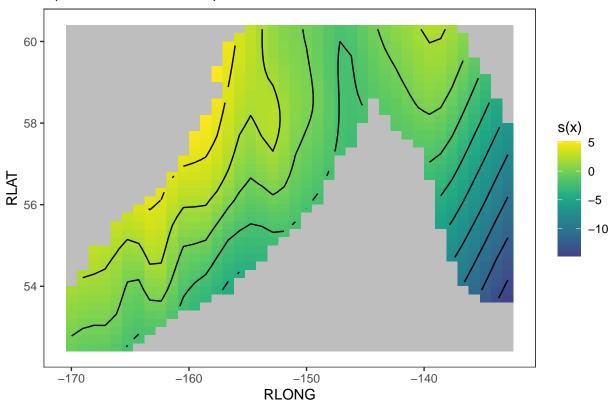
s(RLONG,RLAT,25.95):MHWPre



s(RLONG,RLAT,20.81):MHWMHW

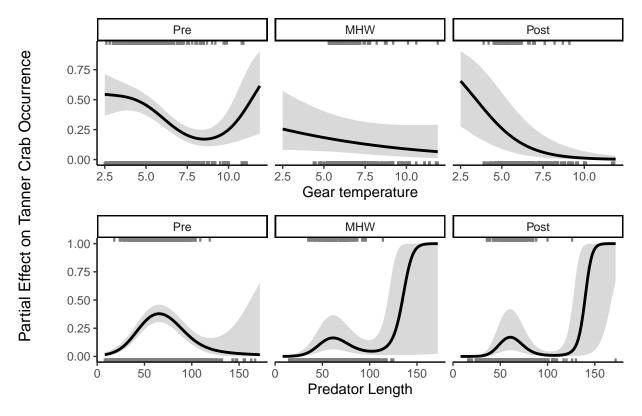


s(RLONG,RLAT,20.85):MHWPost

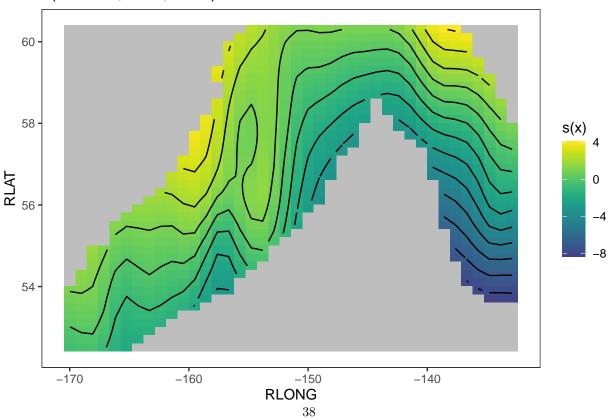


Model 6: Tanner Crab Prey Occurrence

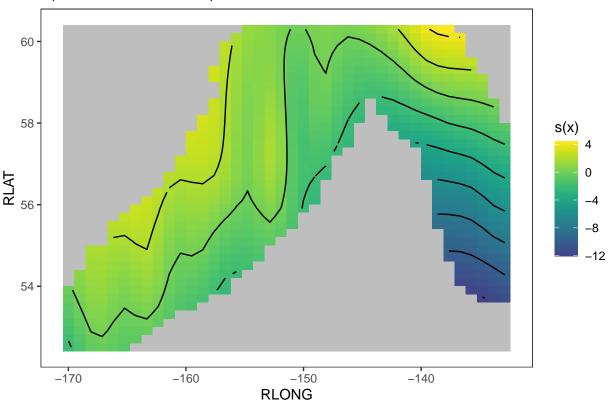
Predator: Pacific Halibut



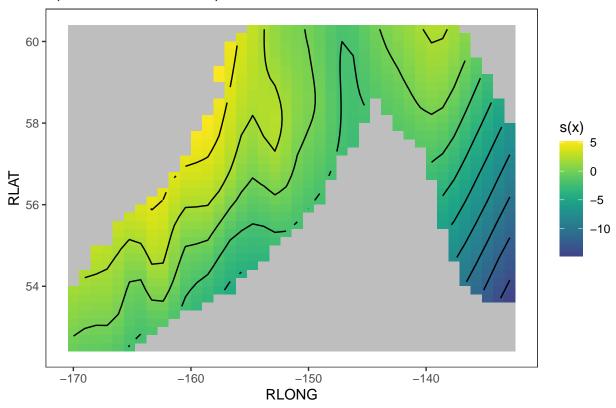
s(RLONG,RLAT,25.95):MHWPre



s(RLONG,RLAT,20.81):MHWMHW

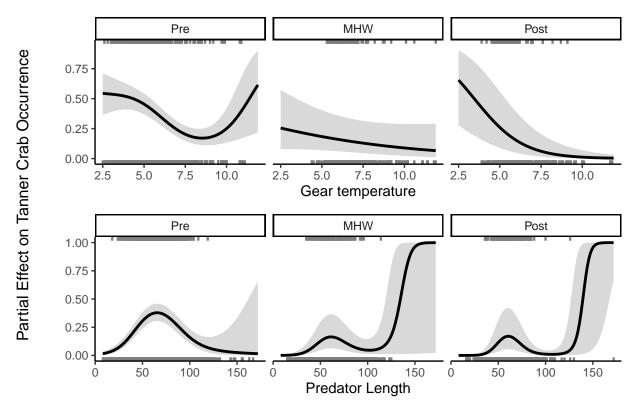


s(RLONG,RLAT,20.85):MHWPost

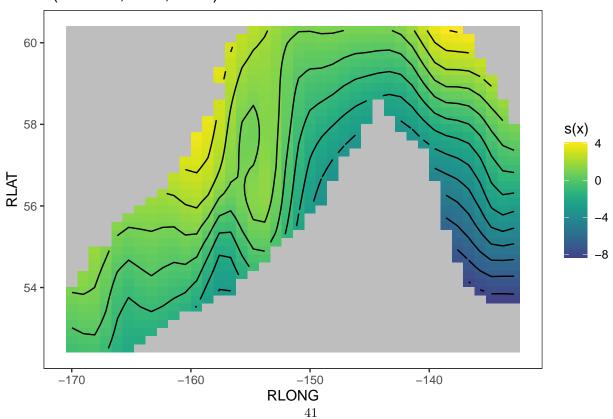


Model 7: Paguridae Prey Occurrence

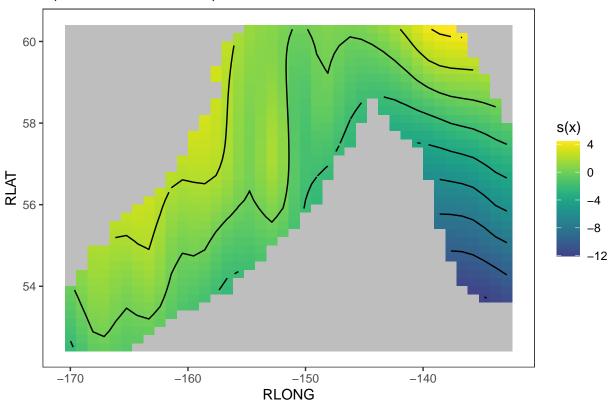
Predator: Pacific Halibut



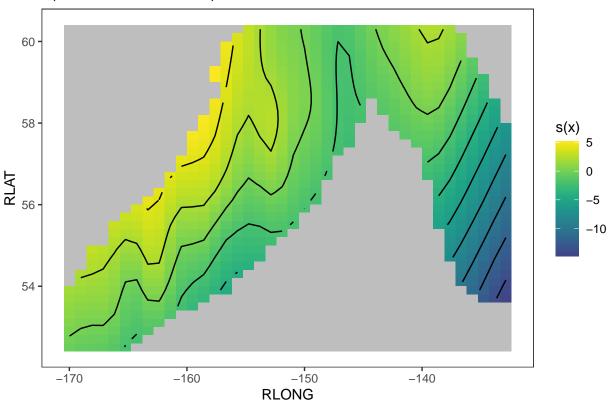
s(RLONG,RLAT,25.95):MHWPre



s(RLONG,RLAT,20.81):MHWMHW

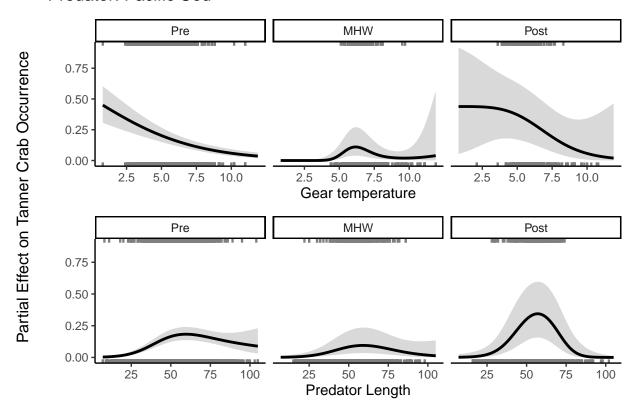


s(RLONG,RLAT,20.85):MHWPost

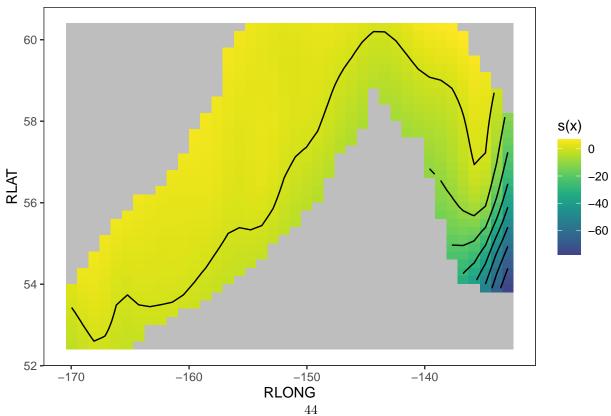


Model 7: Paguridae Prey Occurrence

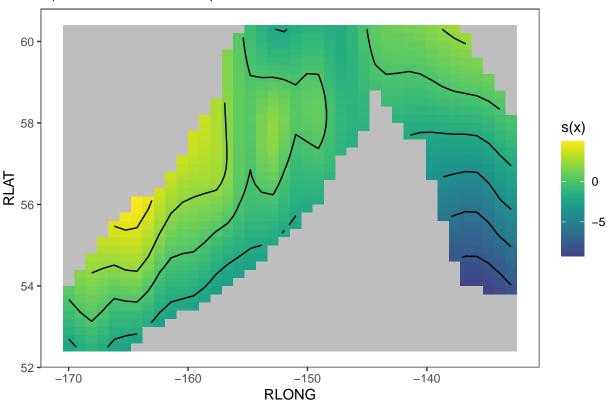
Predator: Pacific Cod



s(RLONG,RLAT,29):MHWPre



s(RLONG,RLAT,22.72):MHWMHW



s(RLONG,RLAT,24.34):MHWPost

