area\_permit\_cog (model 5) CG CG CG longline misc. groundfish pelagic trawl 0.5 0.5 1.00 0.4 0.4 0.75 0.3 0.3 0.50 0.2 0.2 SE SEI WG longline longline longline 1.25 1.0 1.0 In sqrt(inertia) sector2 1.00 longline 0.8 0.8 0.75 misc. groundfish 0.6 0.6 pelagic trawl 0.50 0.4 0.4 0.25 WG WG WY misc. groundfish longline pelagic trawl 0.6 0.6 -1.00 0.4 0.4 0.75 0.2 0.2 0.50 1990 2000 2010 2020 1990 2000 2010 2020 1990 2000 2010 2020

area\_permit\_cog-ind (model 3) CG SE SEI longline longline longline -1.0 --1.0 **-**-0.5 **-**-1.5 **-**-1.5 <del>-</del> -1.0 **-**-2.0 · -2.0 **-**-1.5-2.5 **-**-2.5 **-**-3.0 **-**-2.0 -3.0 **-**-3.5 WG WG WG longline misc. groundfish pelagic trawl -1· sector2 In sqrt(inertia) -0.5 -0.5 longline -2 misc. groundfish -1.0 **-**-1.0 pelagic trawl -3 -1.5 -1.5 **-**1990 2000 2010 2020 2020 1990 2000 2010 WY longline -1 -2

1990

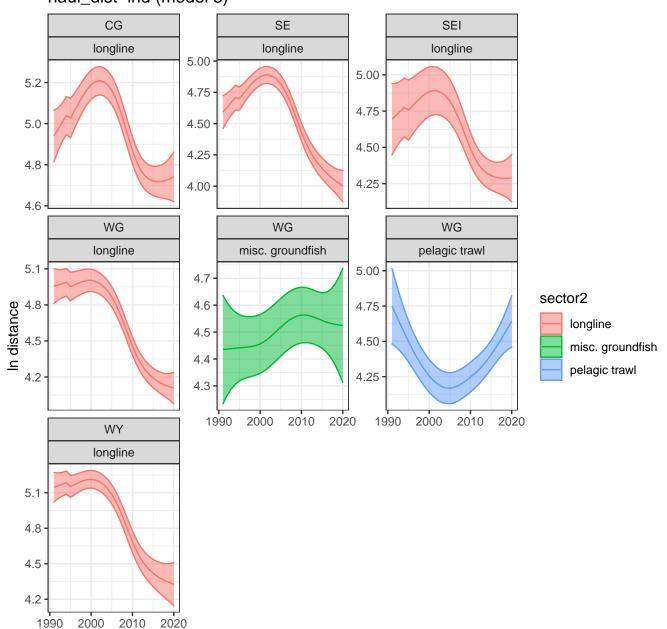
2000

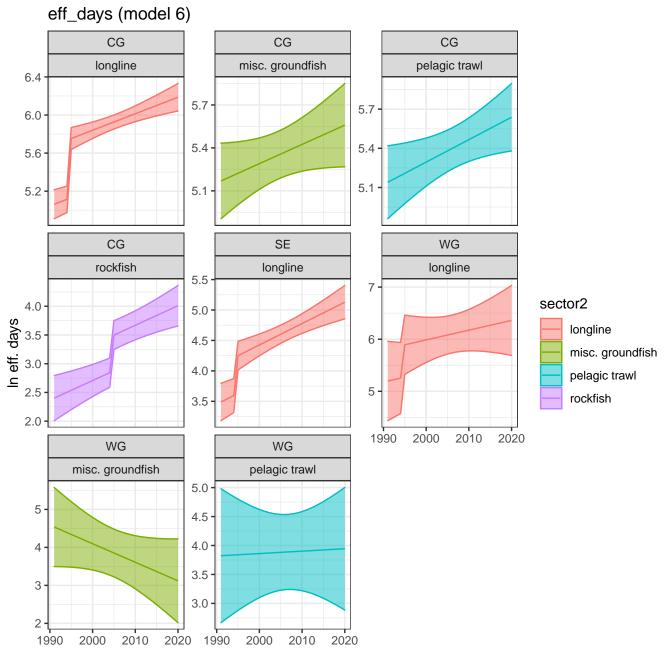
2010

2020

haul\_dist (model 5) CG CG CG longline misc. groundfish pelagic trawl 5.2 4.9 -4.9 4.8 5.0 4.8 4.7 4.8 4.7 4.6 -4.5 -4.6 4.6 SE SEI WG longline longline longline 5.0 4.8 4.8 sector2 In distance 4.8 longline 4.6 4.6 misc. groundfish pelagic trawl 4.4 4.4 4.2 4.2 WG WG WY misc. groundfish longline pelagic trawl 5.4 4.7 4.6 4.6 5.2 -4.5 -4.5 5.0 4.4 4.4 4.3 4.8 4.2 -4.3 1990 2000 2010 2020 1990 2000 2010 2020 1990 2000 2010 2020

haul\_dist-ind (model 5)





eff\_days-ind (model 6)

