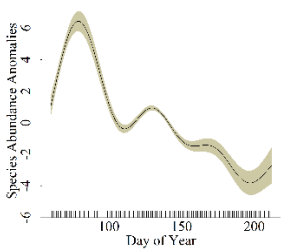
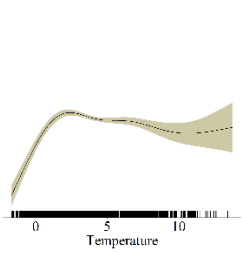
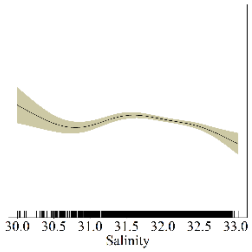
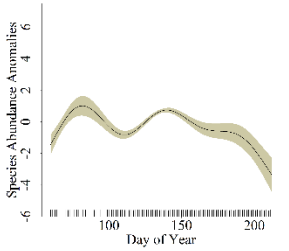
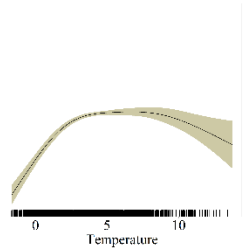
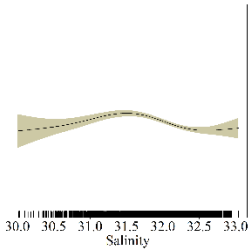
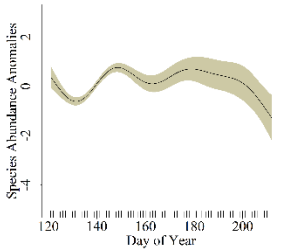
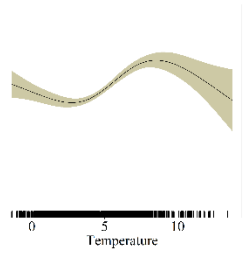
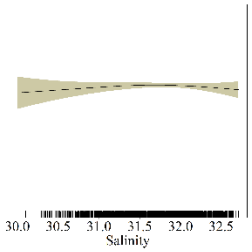
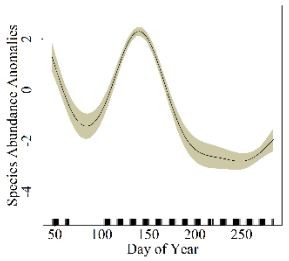
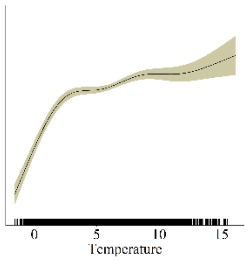
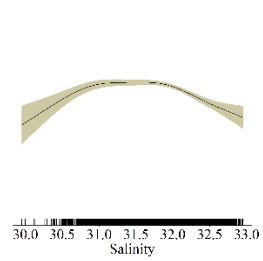
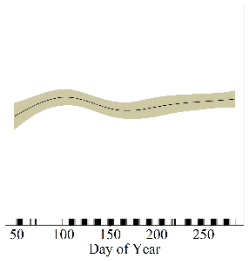
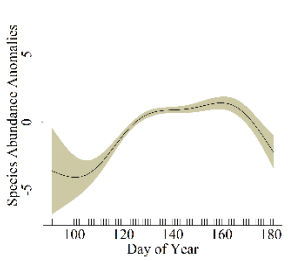
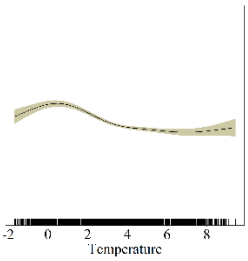
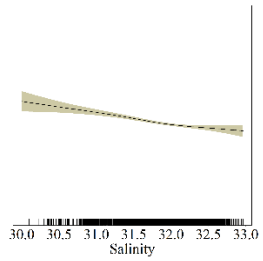
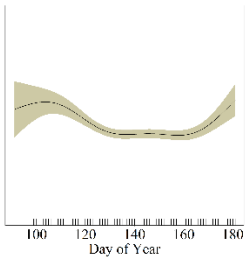
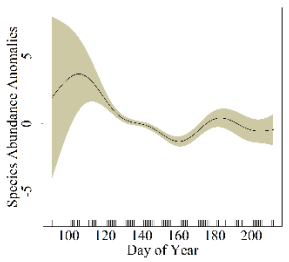
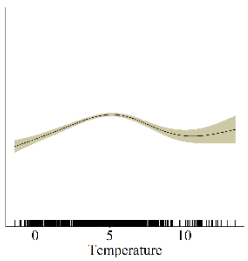
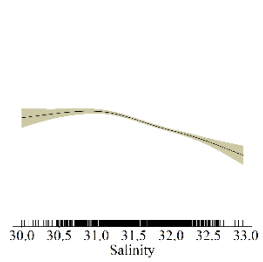
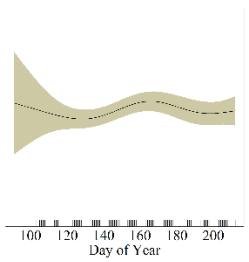
Species	Life Stage	Best Model	ΔAIC	Deviance
Walleye Pollock	Eggs	$\text{count} = s_1(\text{y}) + s_2(\text{lat}_\text{y}, \text{lon}_\text{y}) + s_3(\text{J}_{\text{y,lat,lon}}) + s_4(SST_{\text{lat,lon}}) + s_5(SSS_{\text{y,lat,lon}}) + s_6(\text{lat}_\text{y}, \text{lon}_\text{y}, \text{by} = \text{T}) + \varepsilon_{\text{y,lat,lon}}$	69.6	59.8%
	Larvae	$\text{count} = s_1(\text{y}) + s_2(\text{lat}_\text{y}, \text{lon}_\text{y}) + s_3(\text{J}_{\text{y,lat,lon}}) + s_4(SST_{\text{lat,lon}}) + s_5(SSS_{\text{y,lat,lon}}) + s_6(\text{lat}_\text{y}, \text{lon}_\text{y}, \text{by} = \text{T}) + \varepsilon_{\text{y,lat,lon}}$	96.6	60.2%
Flathead Sole	Eggs	$\text{count} = s_1(\text{y}) + s_2(\text{lat}_\text{y}, \text{lon}_\text{y}) + s_3(\text{J}_{\text{y,lat,lon}}) + s_4(SST_{\text{lat,lon}}) + s_5(SSS_{\text{y,lat,lon}}) + s_6(\text{lat}_\text{y}, \text{lon}_\text{y}, \text{by} = \text{T}) + \varepsilon_{\text{y,lat,lon}}$	43.5	68.8%
	Larvae	$\text{count} = s_1(\text{y}) + s_2(\text{lat}_\text{y}, \text{lon}_\text{y}) + s_3(\text{J}_{\text{y,lat,lon}}) + s_4(SST_{\text{lat,lon}}) + s_5(SSS_{\text{y,lat,lon}}) + s_6(J_\text{y}, \text{by} = \text{T}) + \varepsilon_{\text{y,lat,lon}}$	1001.6	68.5%
Alaska Plaice	Eggs	$\text{count} = s_1(\text{y}) + s_2(\text{lat}_\text{y}, \text{lon}_\text{y}) + s_3(\text{J}_{\text{y,lat,lon}}) + s_4(SST_{\text{lat,lon}}) + s_5(SSS_{\text{y,lat,lon}}) + s_6(\text{J}_{\text{y,lat,lon}}, \text{by} = \text{T}) + \varepsilon_{\text{y,lat,lon}}$	50.4	72.8%
	Larvae	$\text{count} = s_1(\text{y}) + s_2(\text{lat}_\text{y}, \text{lon}_\text{y}) + s_3(\text{J}_{\text{y,lat,lon}}) + s_4(SST_{\text{lat,lon}}) + s_5(SSS_{\text{y,lat,lon}}) + s_6(\text{J}_{\text{y,lat,lon}}, \text{by} = \text{T}) + \varepsilon_{\text{y,lat,lon}}$	115.7	76.6%
Yellowfin Sole	Eggs	$\text{count} = s_1(\text{y}) + s_2(\text{lat}_\text{y}, \text{lon}_\text{y}) + s_3(\text{J}_{\text{y,lat,lon}}) + s_4(SST_{\text{lat,lon}}) + s_5(SSS_{\text{y,lat,lon}}) + s_6(\text{lat}_\text{y}, \text{lon}_\text{y}, \text{by} = \text{T}) + \varepsilon_{\text{y,lat,lon}}$	-1.1	76.1%
	Larvae	$\text{count} = s_1(\text{y}) + s_2(\text{lat}_\text{y}, \text{lon}_\text{y}) + s_3(\text{J}_{\text{y,lat,lon}}) + s_4(SST_{\text{lat,lon}}) + s_5(SSS_{\text{y,lat,lon}}) + s_6(\text{lat}_\text{y}, \text{lon}_\text{y}, \text{by} = \text{T}) + \varepsilon_{\text{y,lat,lon}}$	115.9	66.7%

Species	Life Stage	Day of Year	Temperature	Salinity	Day of Year by SST
Walleye Pollock	Egg				
	Larvae				
Flathead Sole	Egg				
	Larvae				
Alaska Plaice	Egg				
	Larvae				
Yellowfin Sole	Larvae