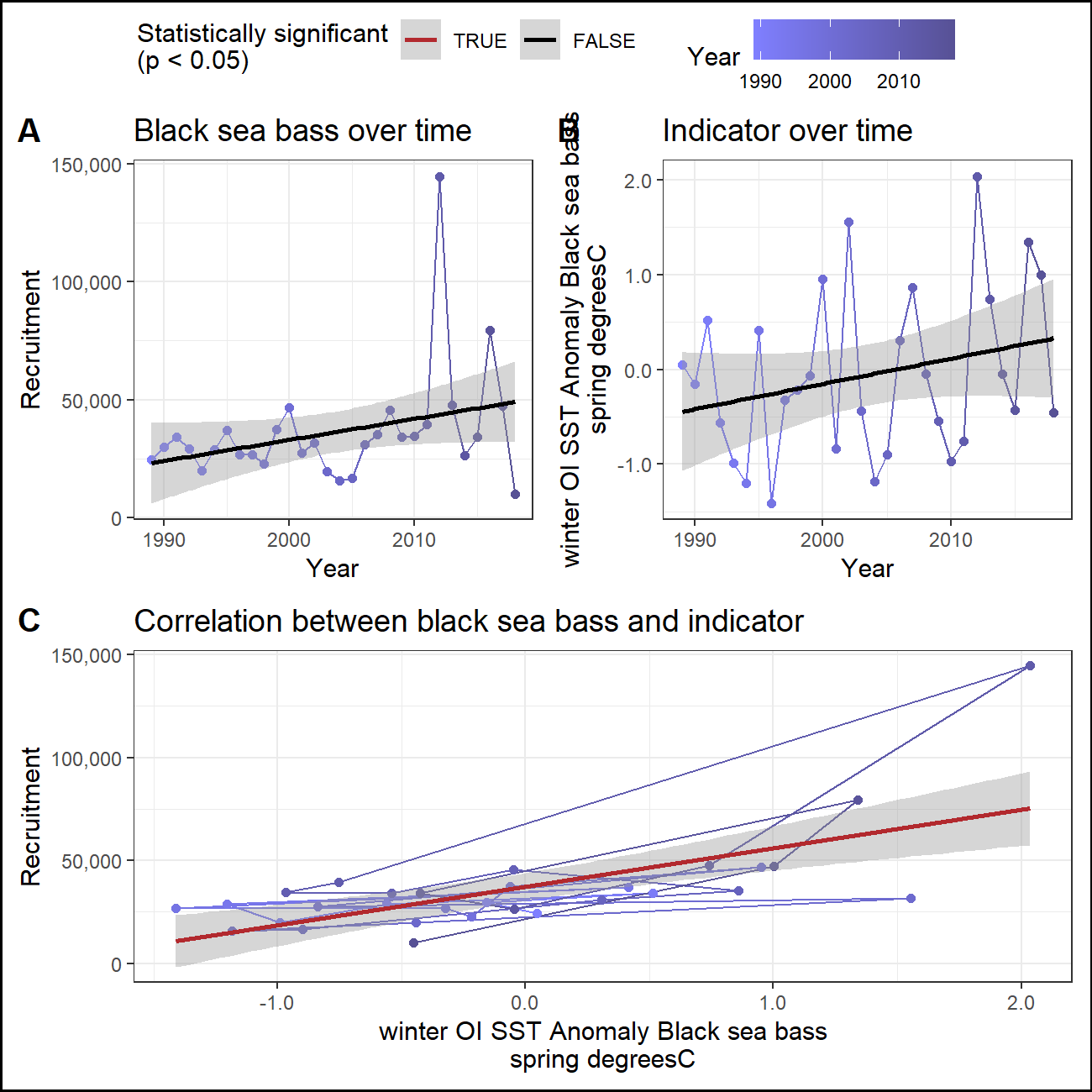
Black sea bass indicator analysis

Abigail Tyrell

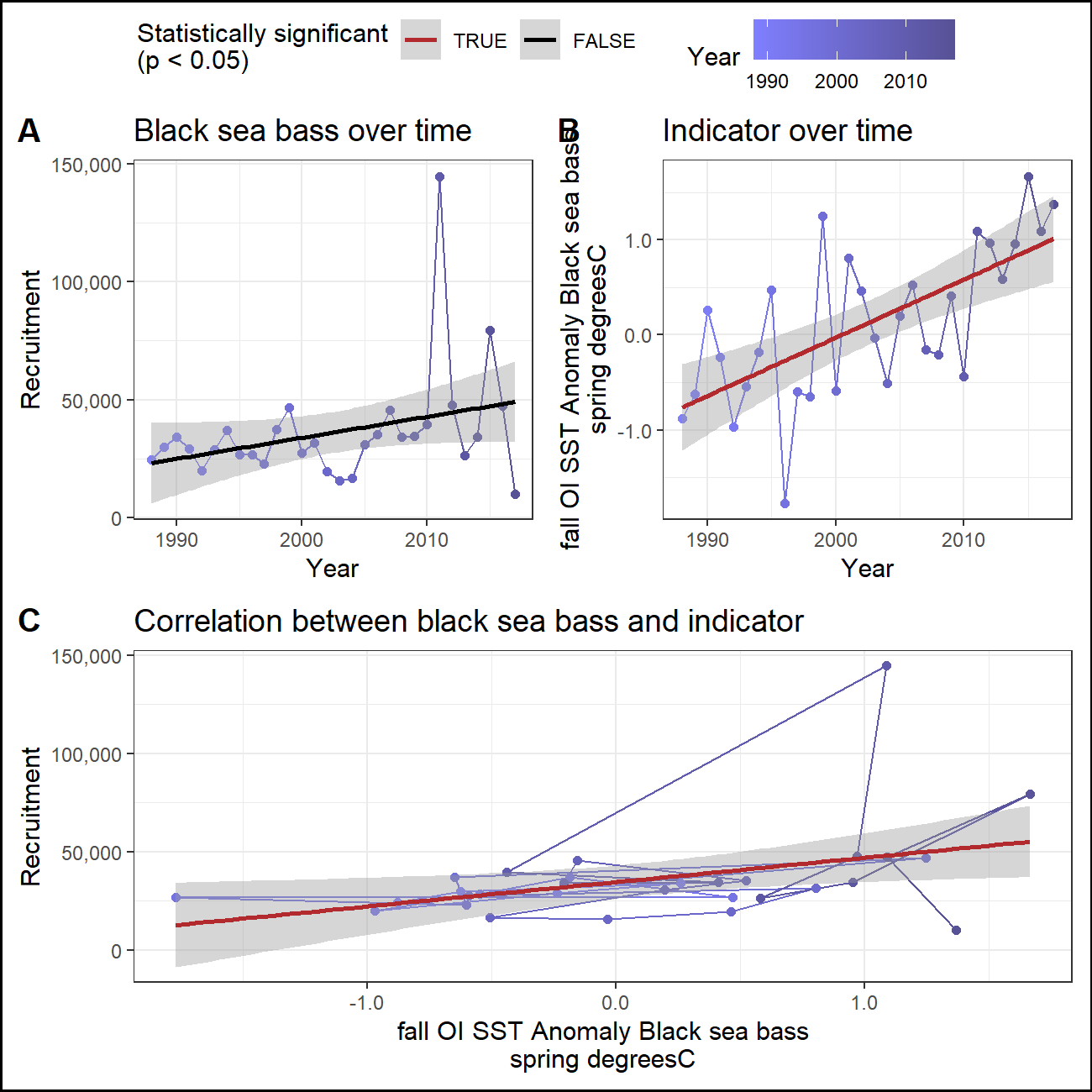
23 Apr 2021

## Recruitment

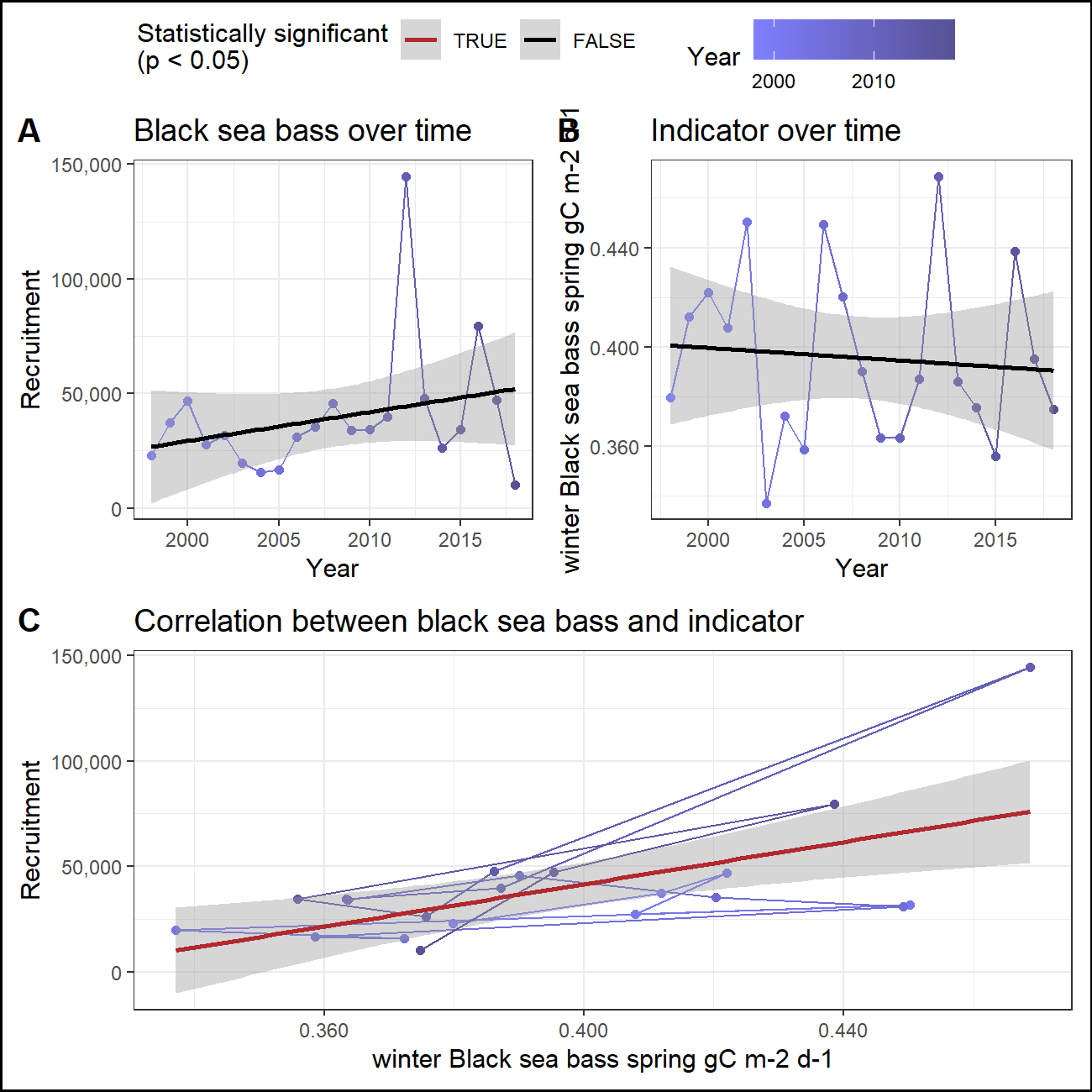
### Winter SST anomaly



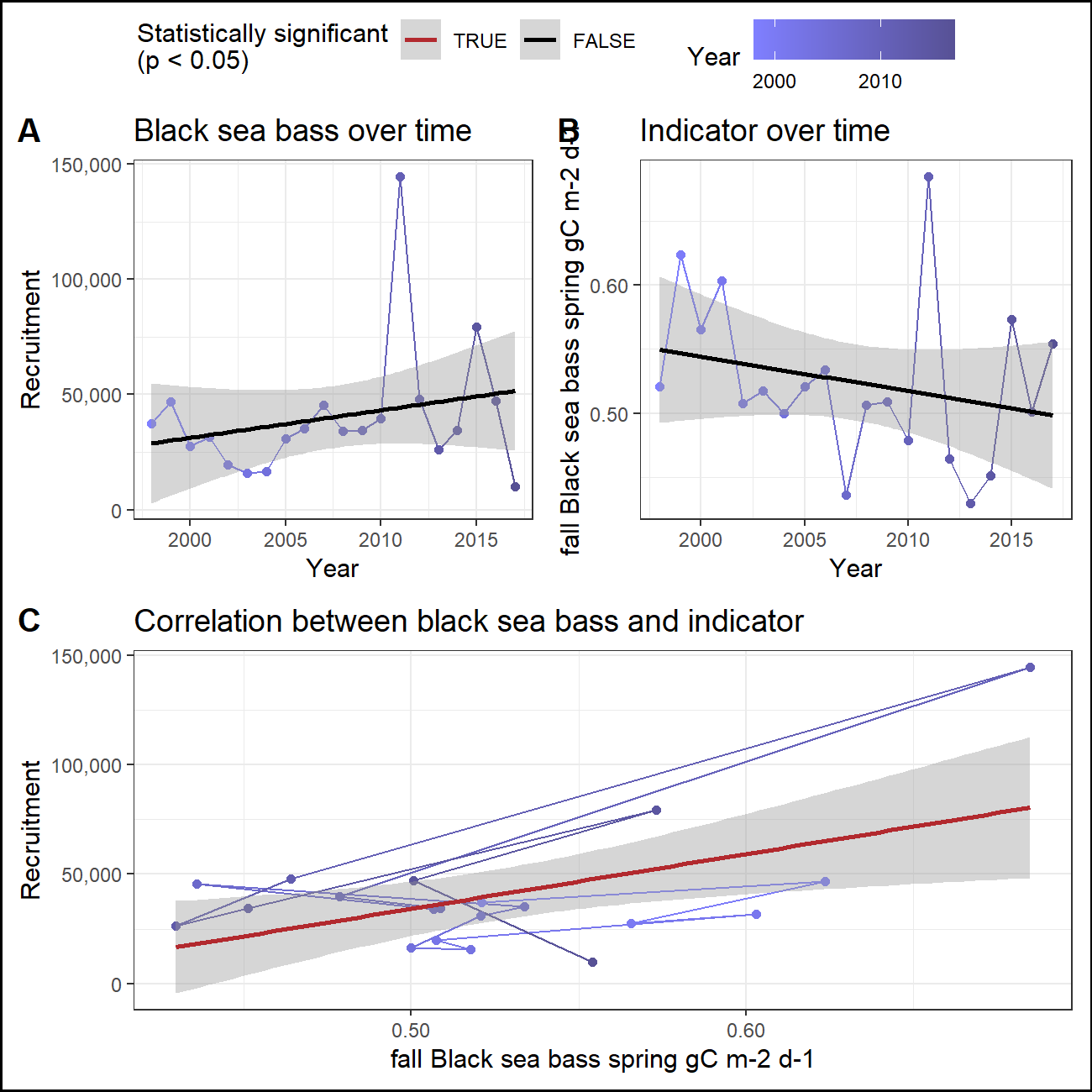
### Fall SST anomaly (prior year)



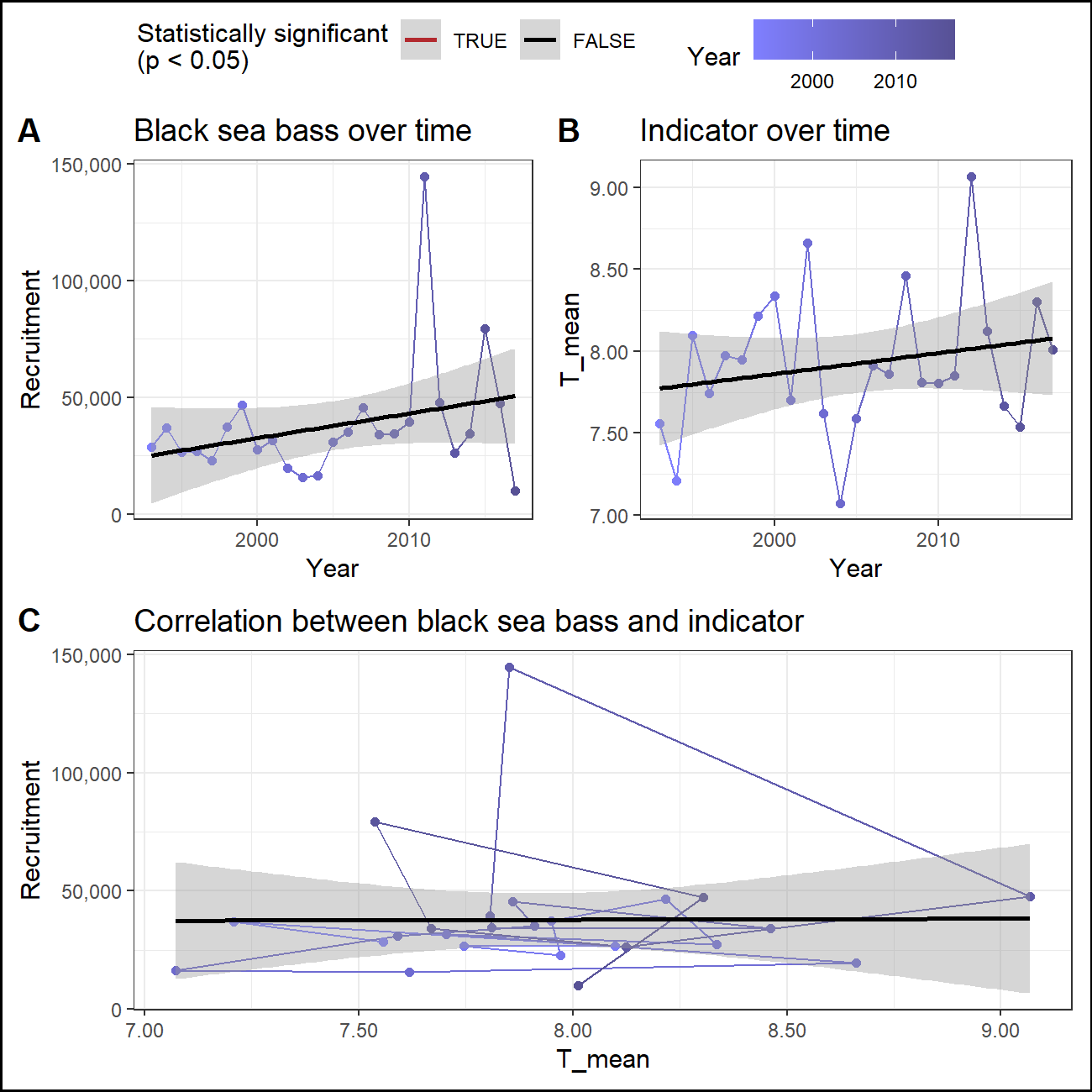
### Winter primary production

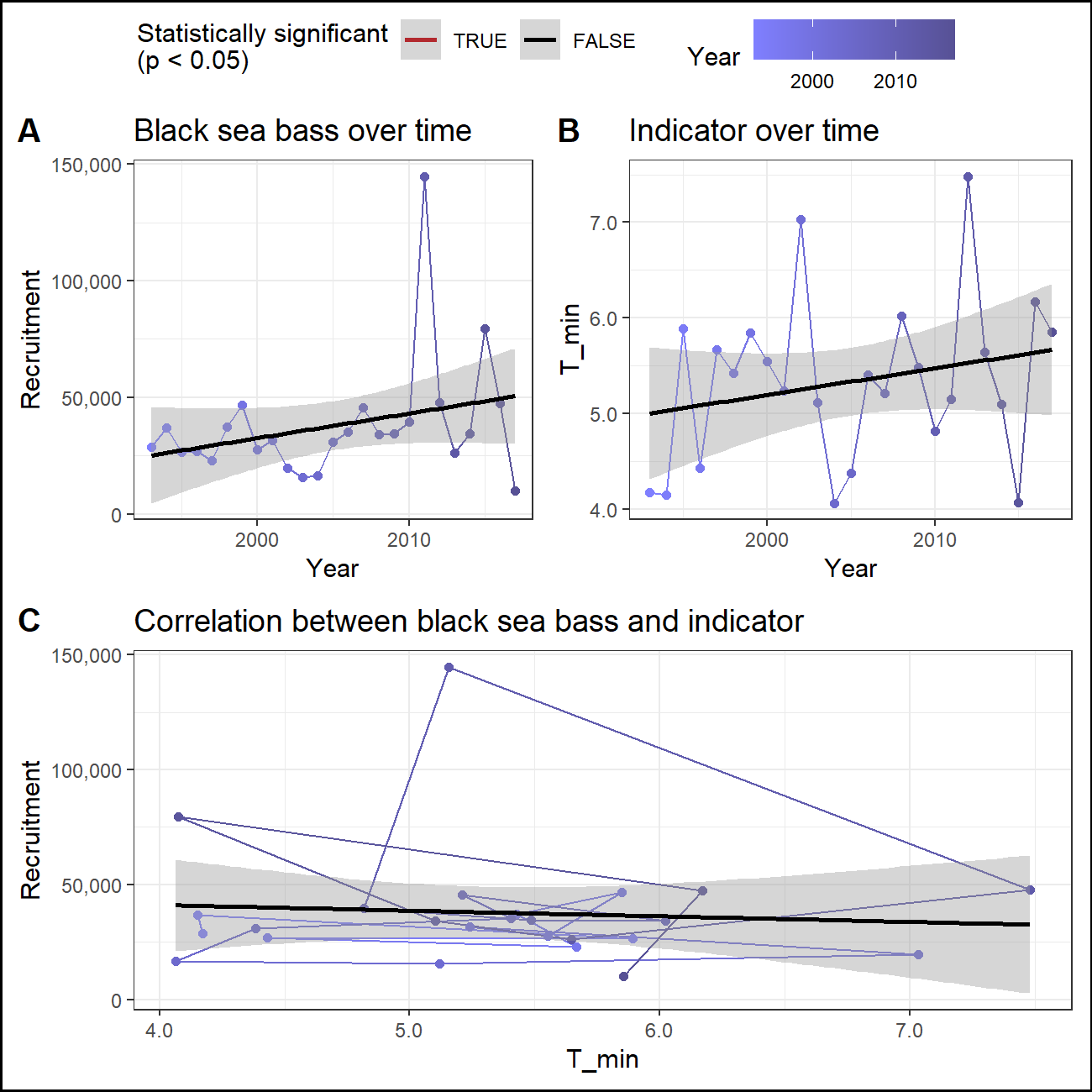


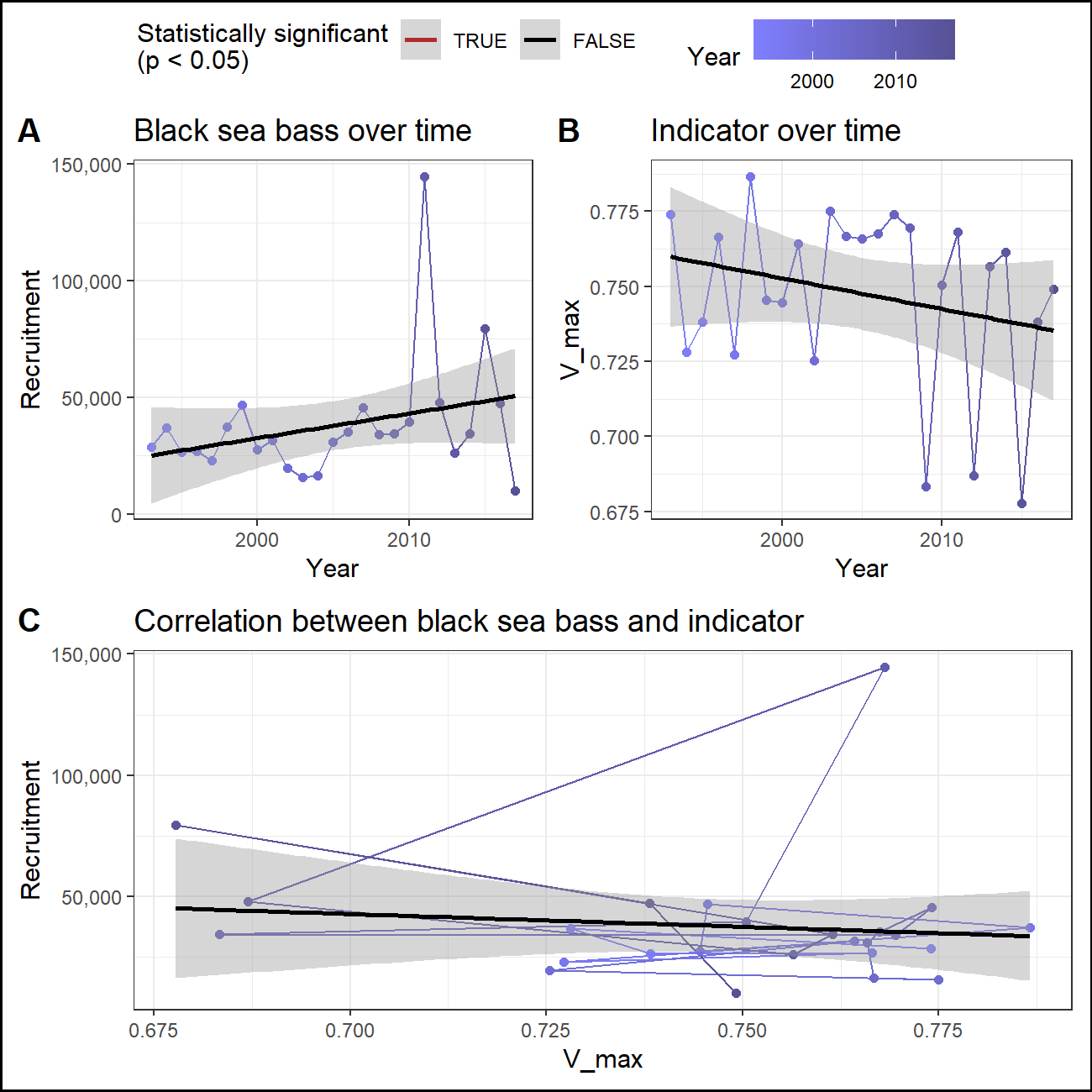
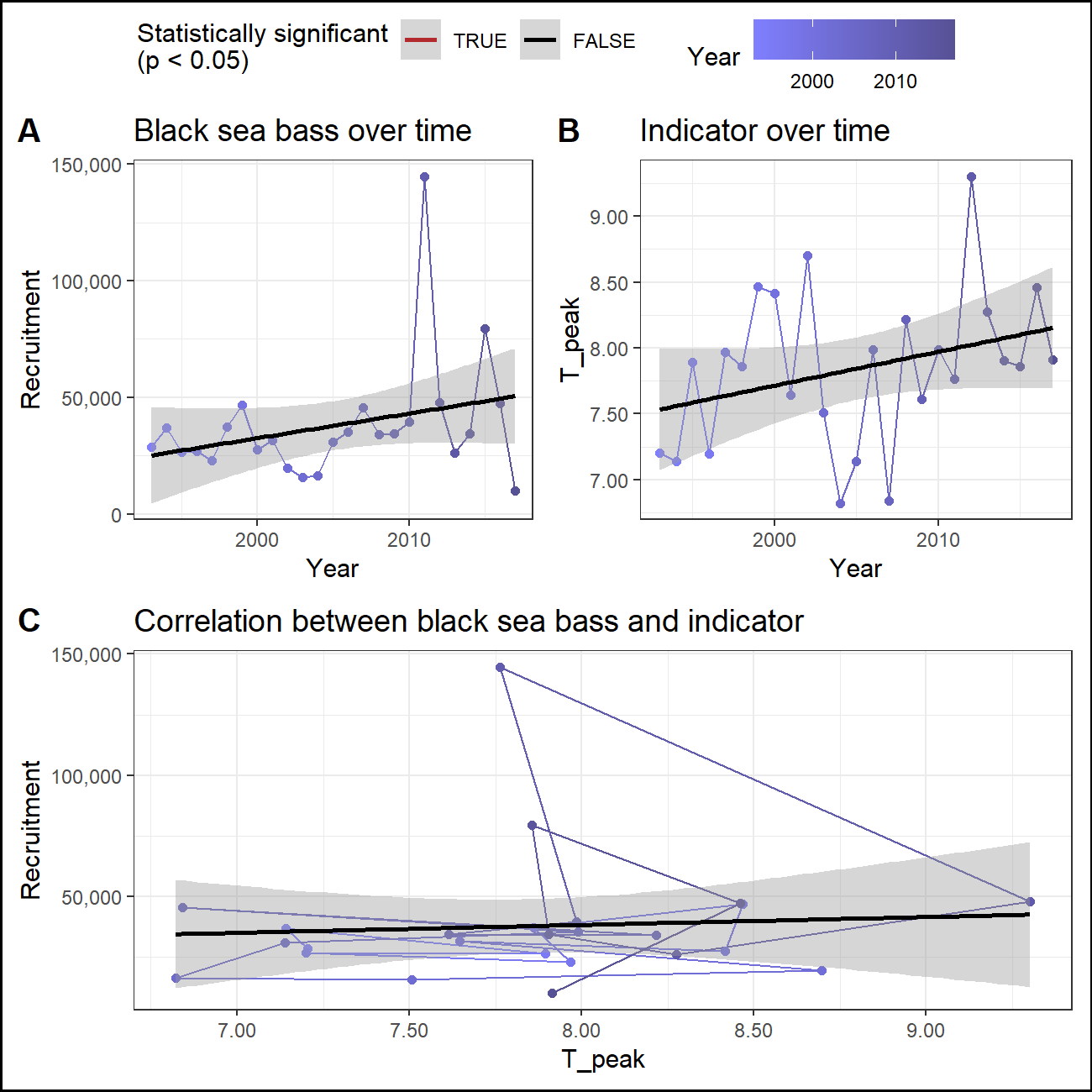
### Fall primary production (prior year)



### Cold pool index (prior year)





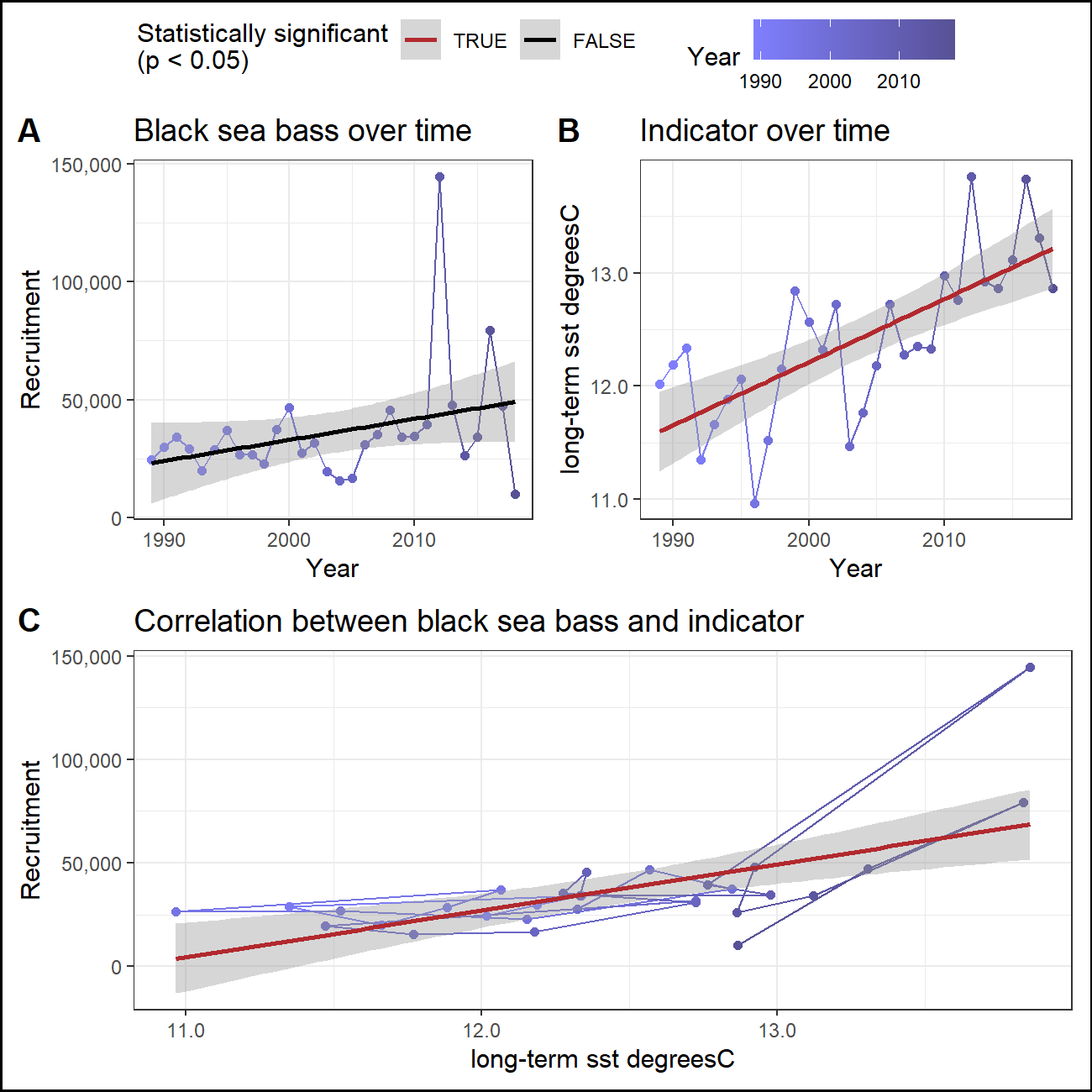


### Predator abundance

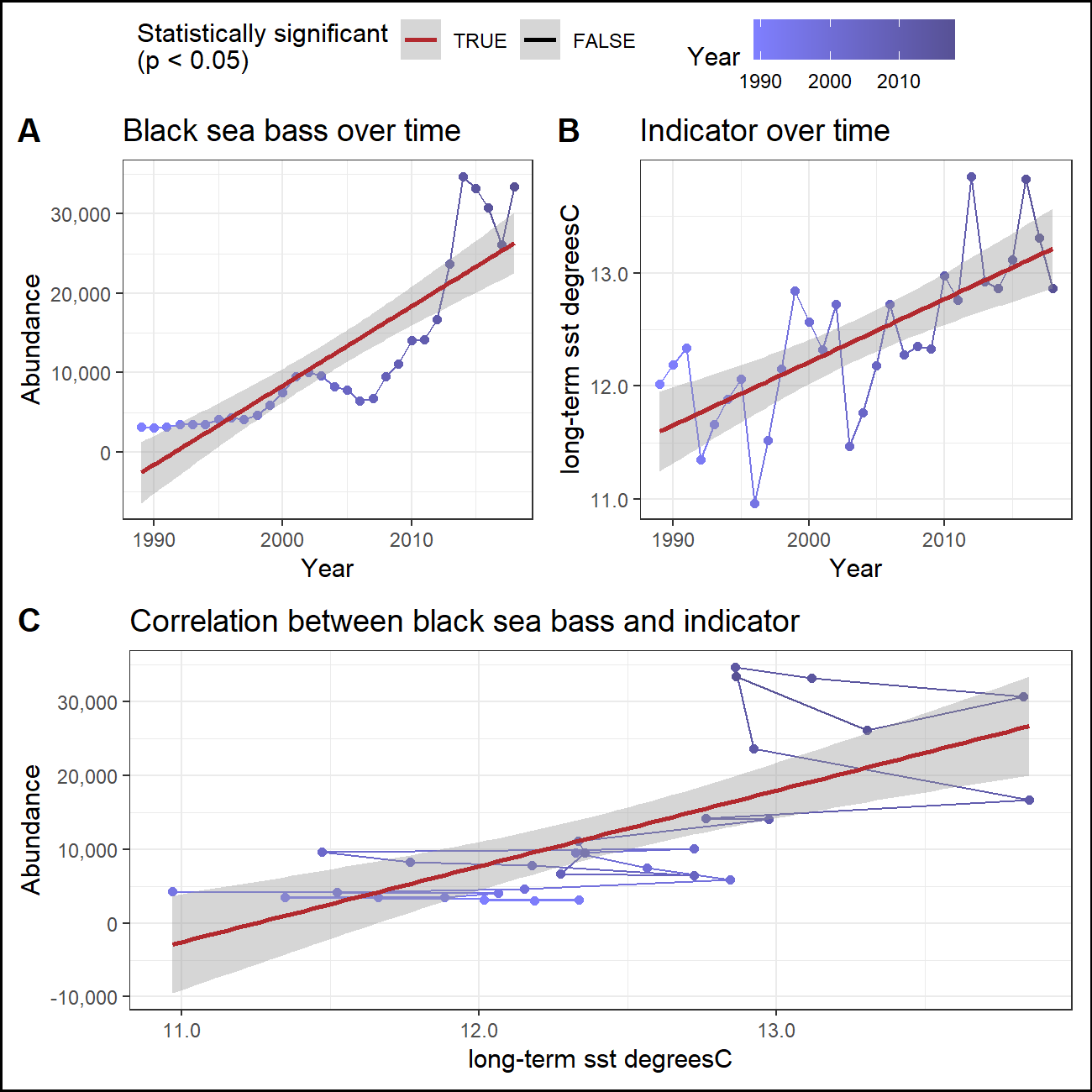
## Ecosystem

### Sea surface temperature

#### Recruitment

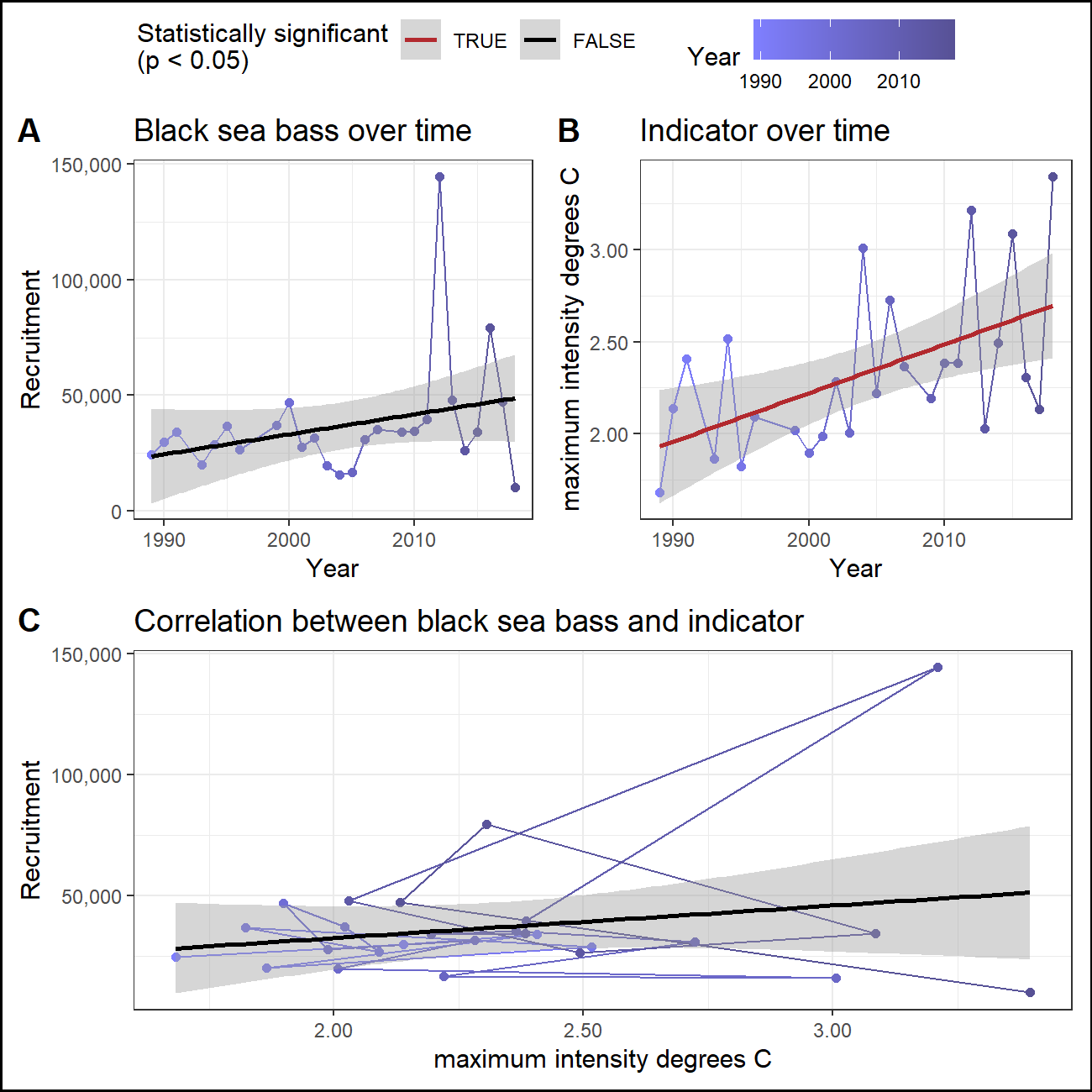
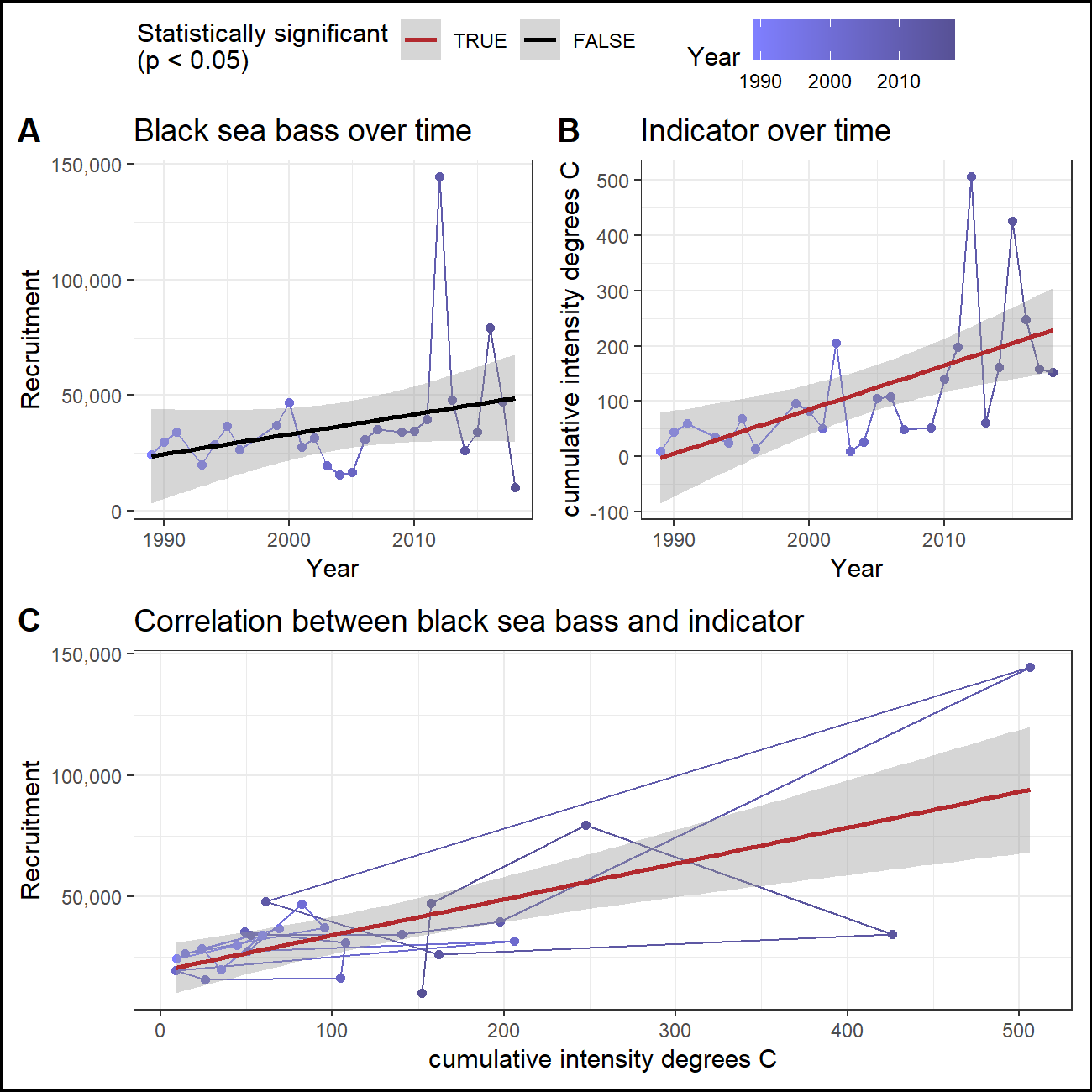


#### Abundance

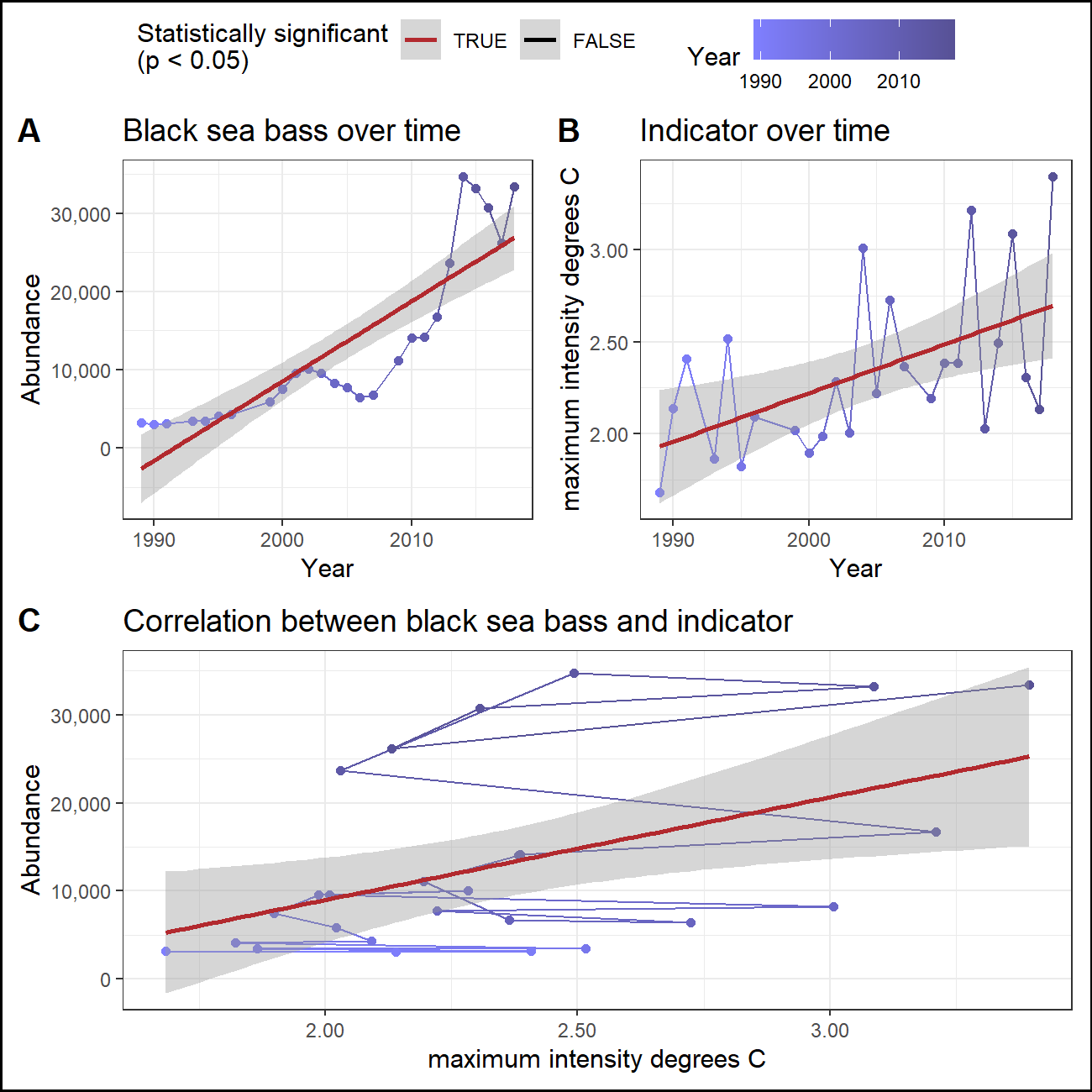
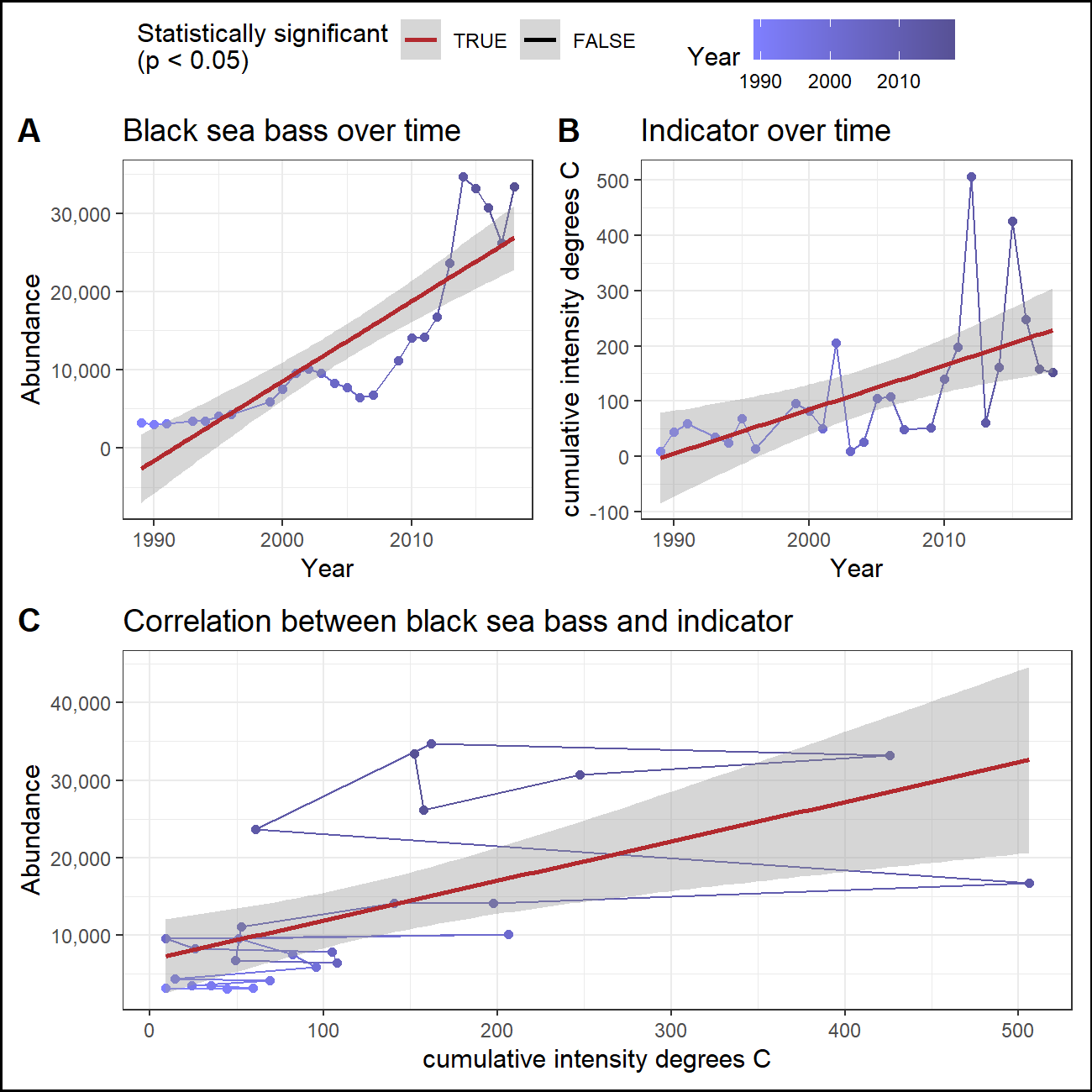


### Marine heatwaves

#### Recruitment

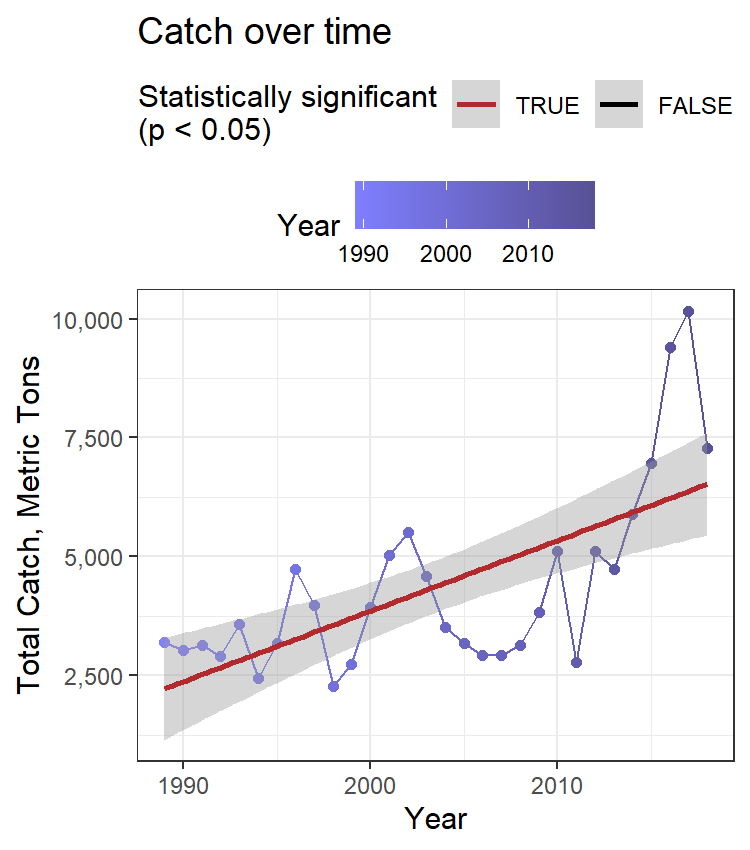


#### Abundance



## Management

### Total catch



### CPUE

### Catch vs TAC

### Northern and southern bounds

### Center of gravity