

# Use of satellite data for understanding and predicting oil sardine (*Sardinella longiceps*) catch variability along the southwest coast of India

*30 November, 2017*

## Figures

Things to change

- Precip only show PrecipGPCP and show correlation with land
- Add SSH inshore - offshore as another upwelling index
- When showing r<sup>2</sup> versus time, group the upwelling indexes together or group by index that affect similar age groups
- Check the size/age structure of the fishery by qtr
- Make a cartoon of the life-history
- Use catch anomalies
- Use 1- and 2-year lags
- Dave said that Pacific sardine uses 3-yr running mean of SST at 5-15m over whole CalCOFI region as an index of recruitment.

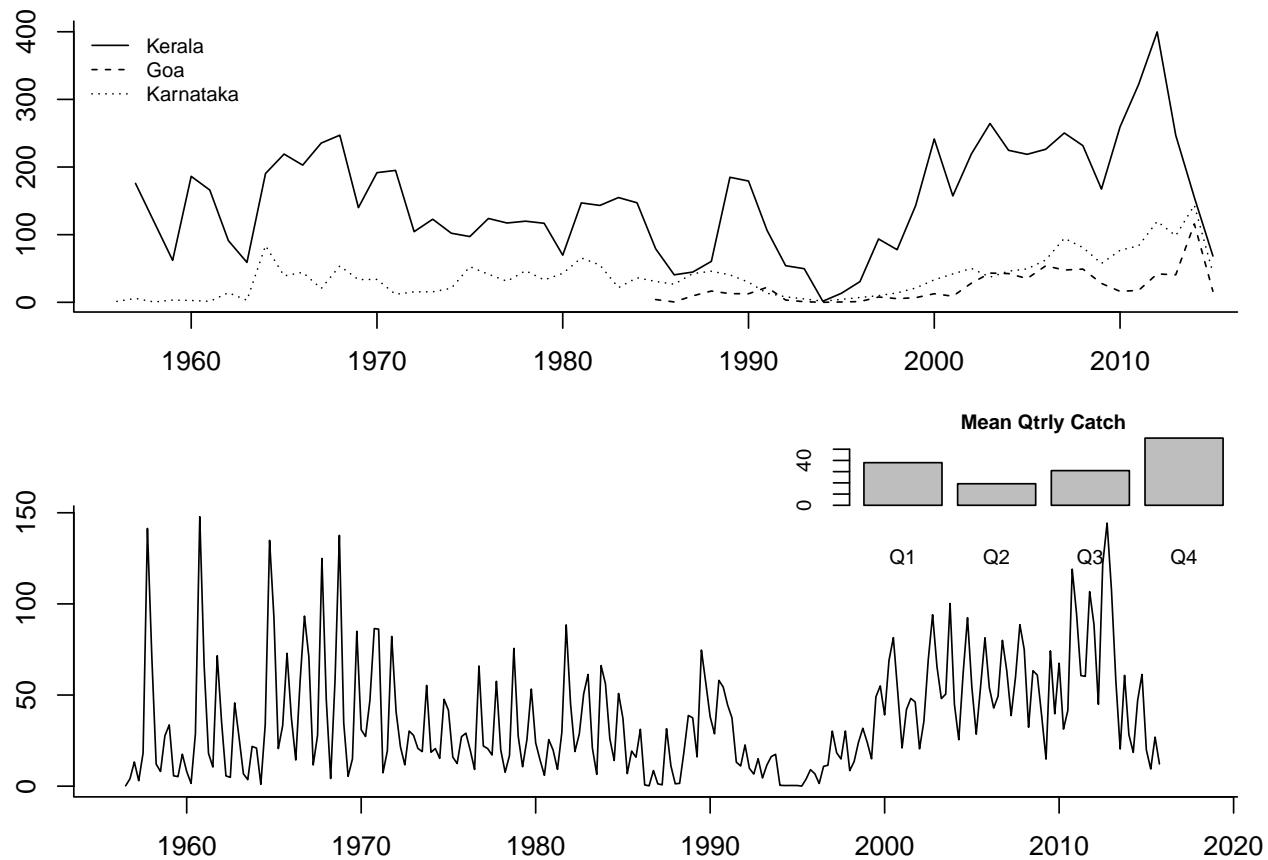


Figure 1

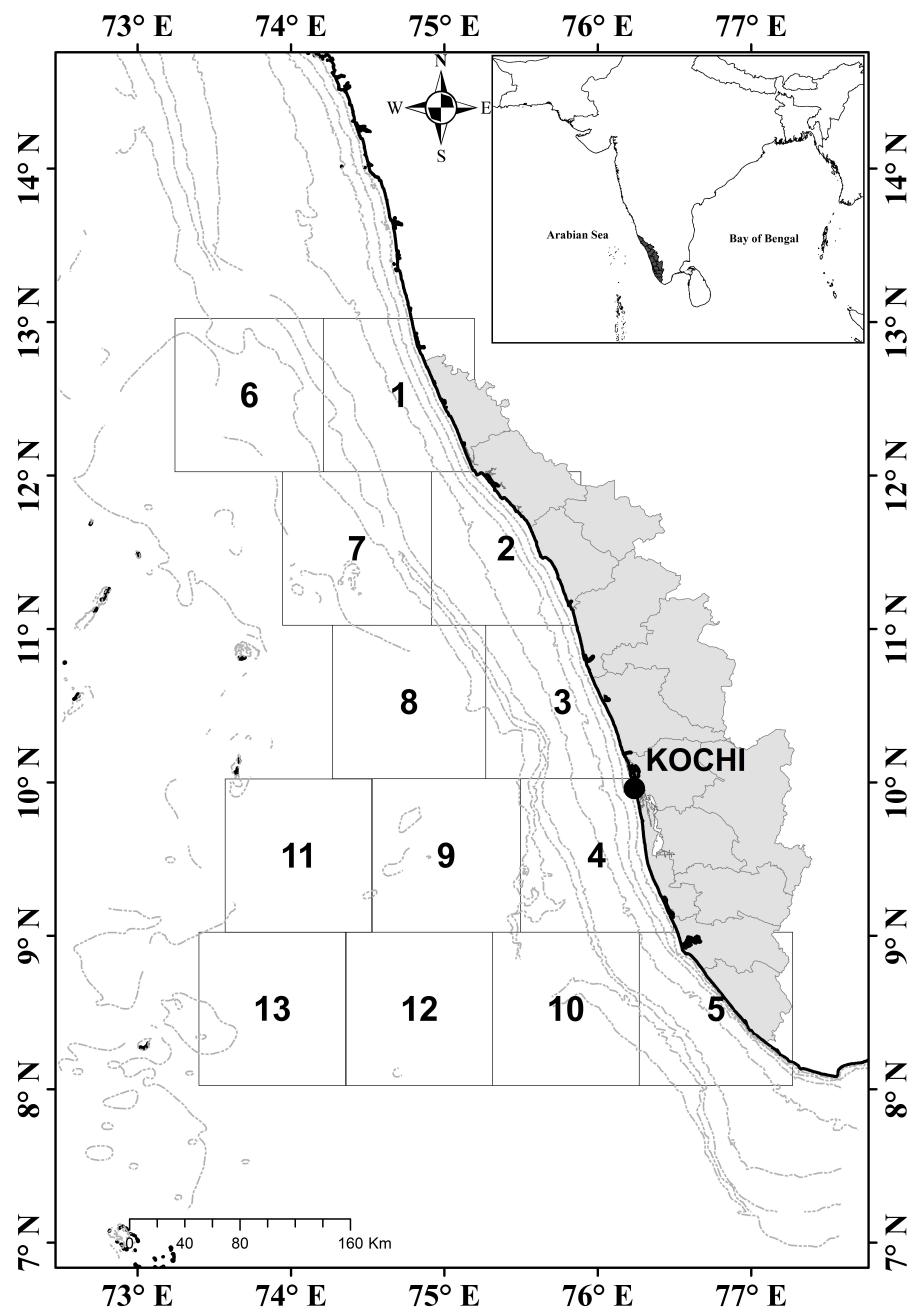


Figure 2

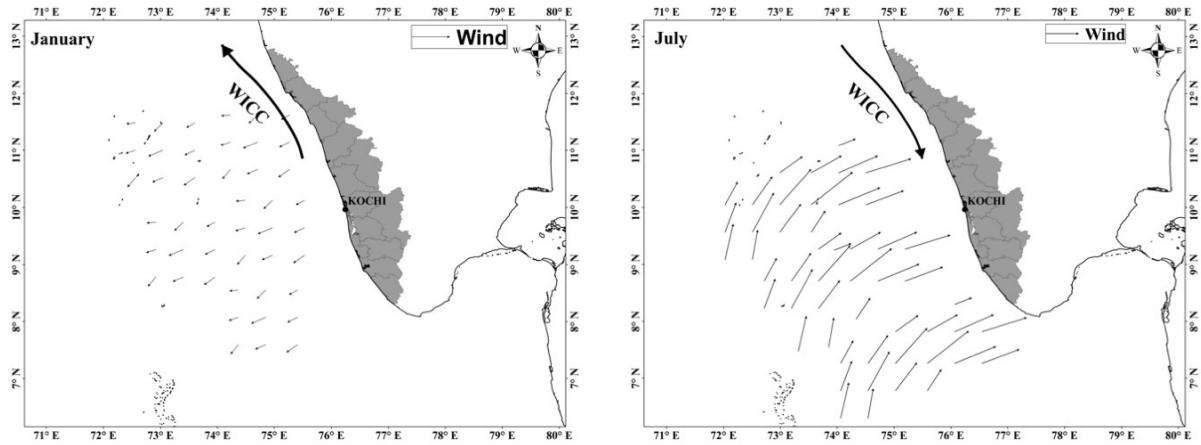
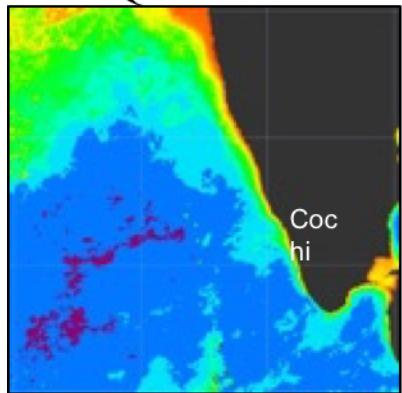
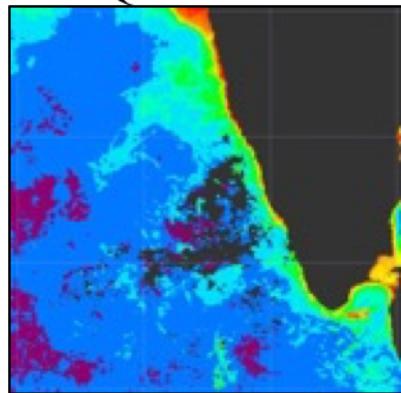


Figure 3

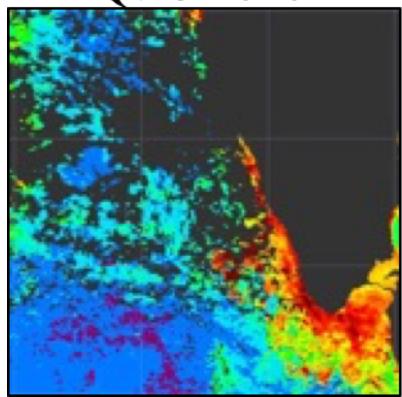
Qtr 1 2016



Qtr 2 2016



Qtr 3 2016



Qtr 4 2016

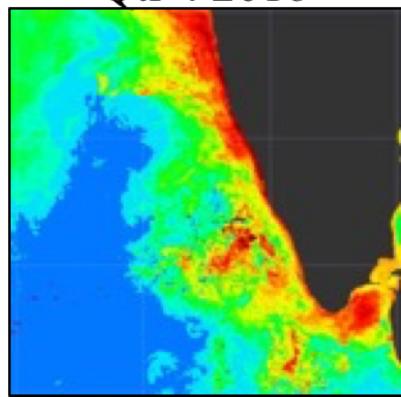


Figure 4

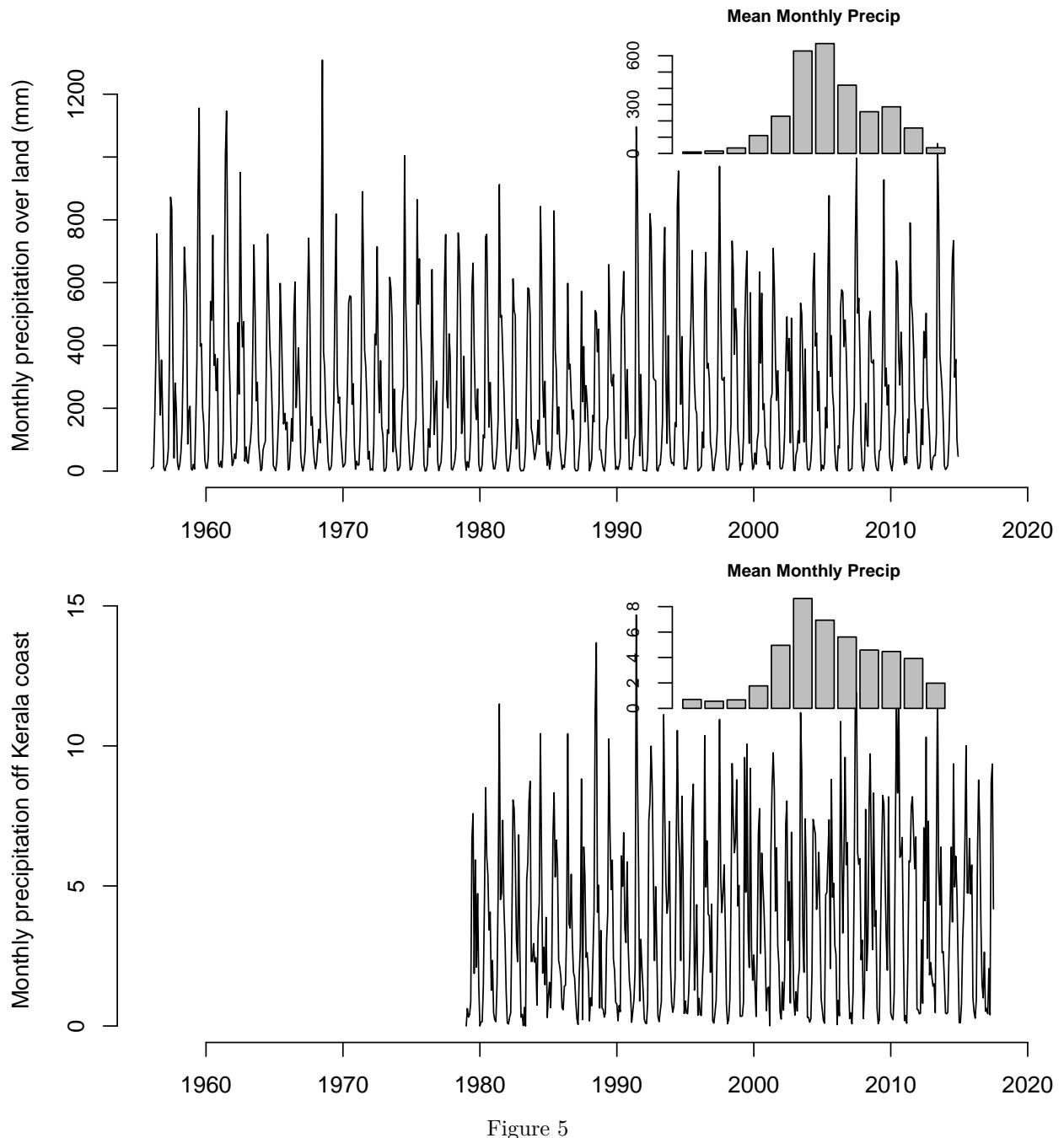


Figure 5

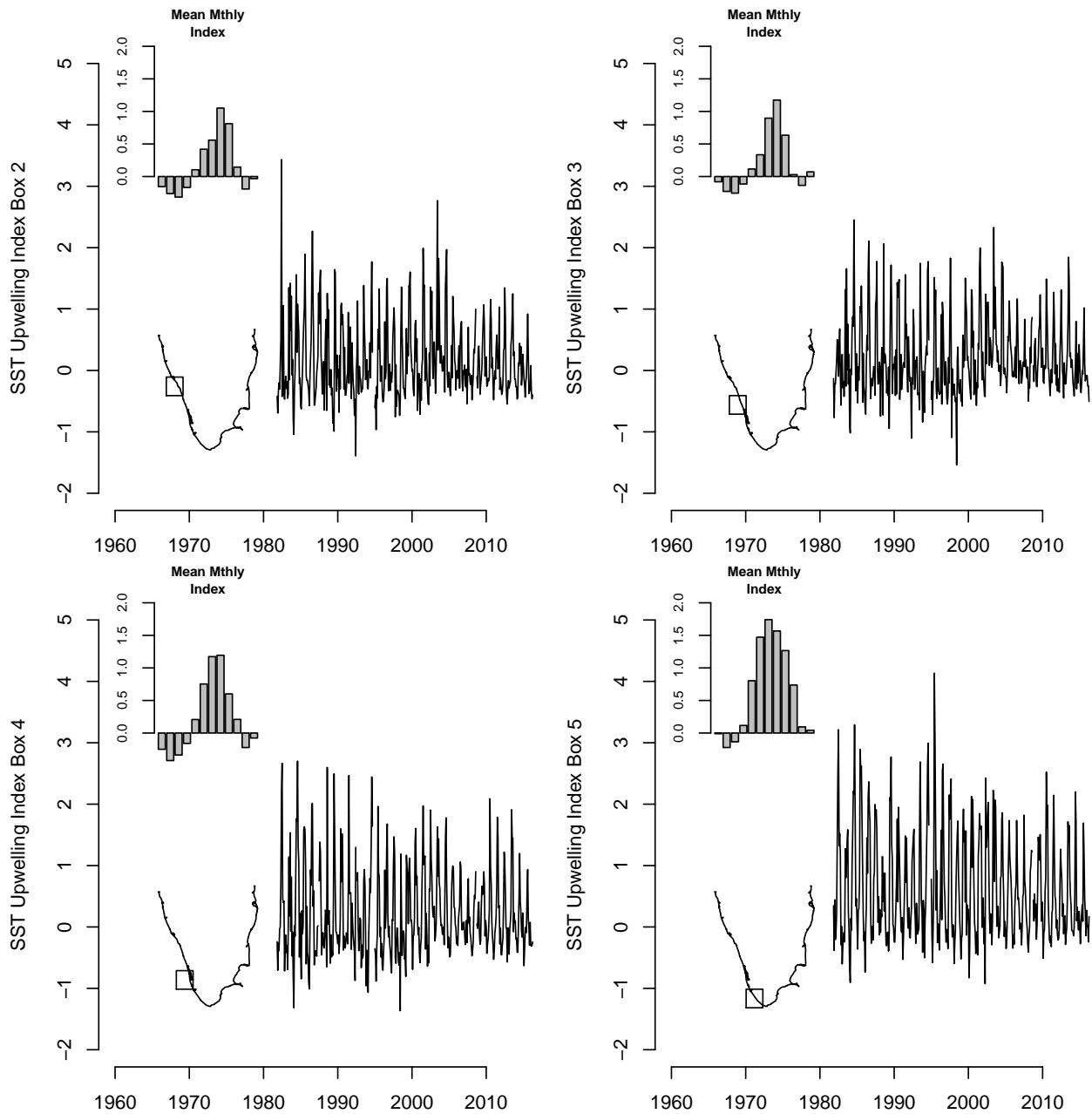


Figure 6

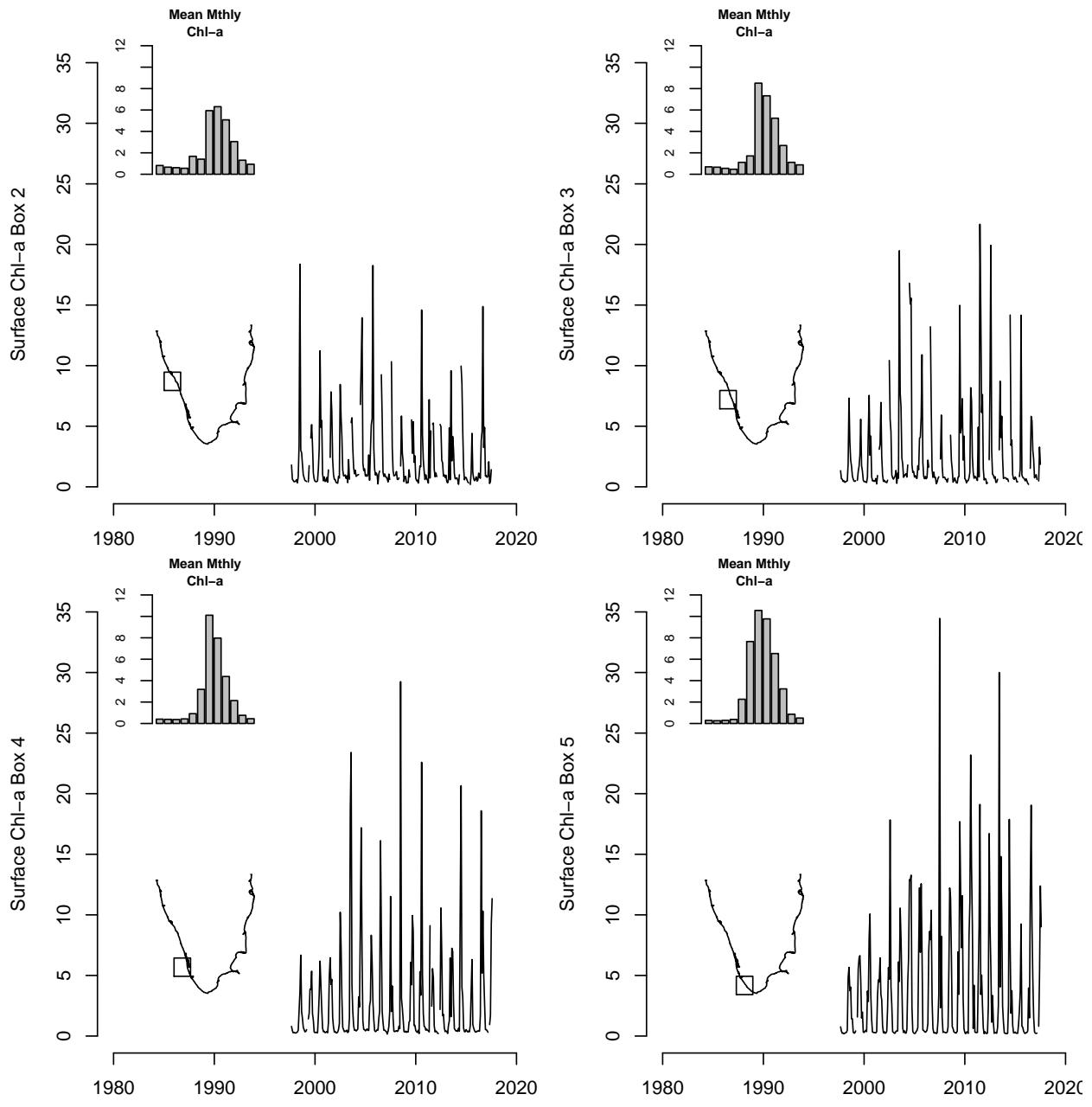


Figure 7

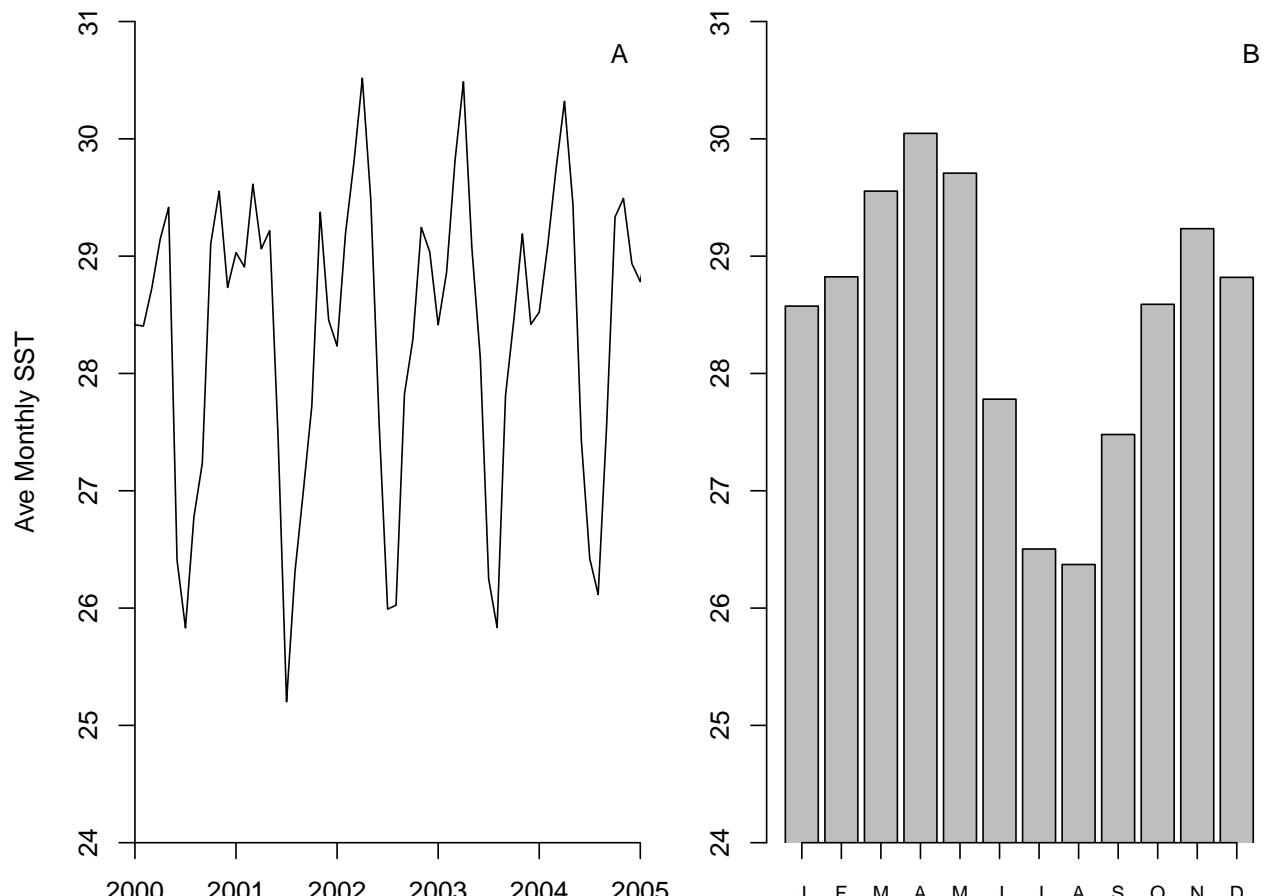


Figure 8

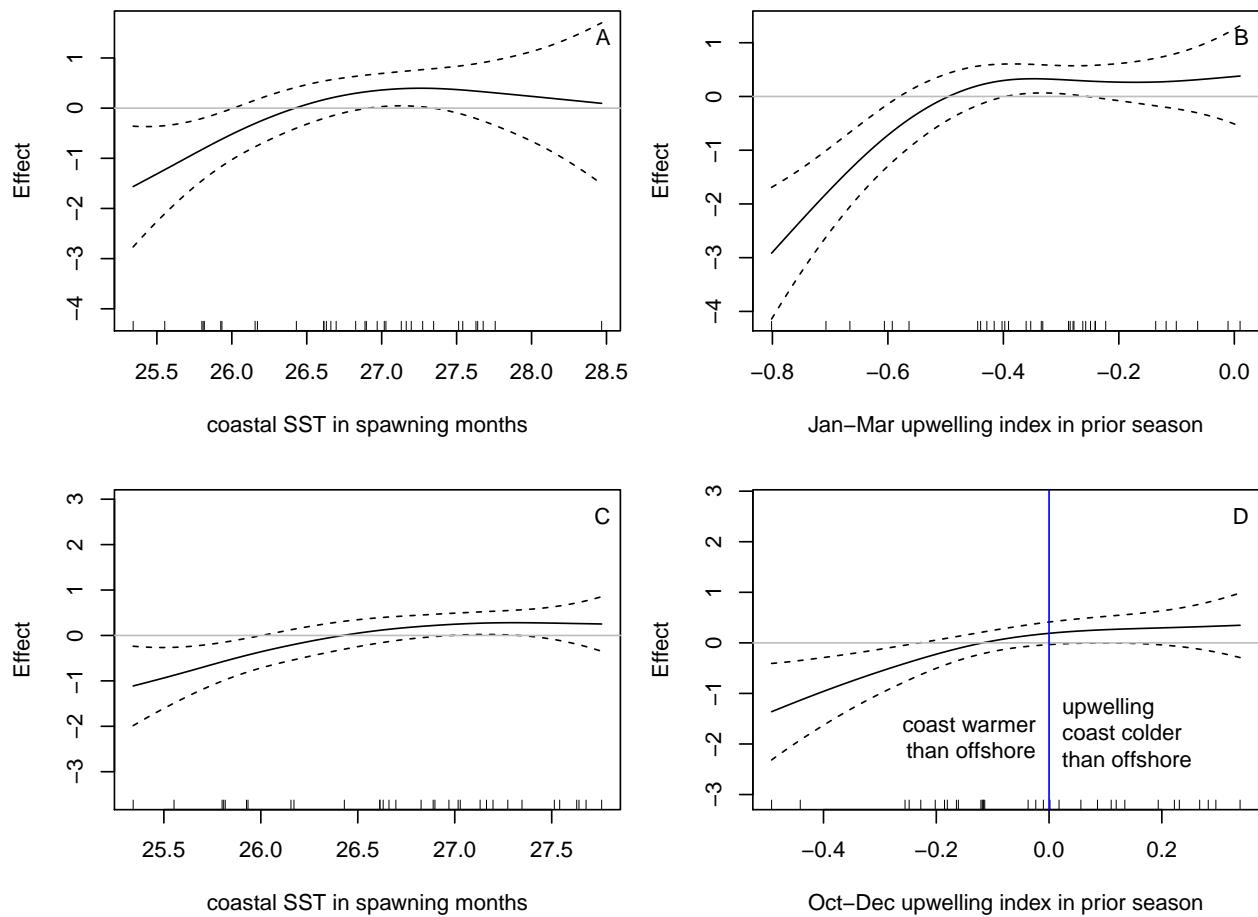


Figure 9

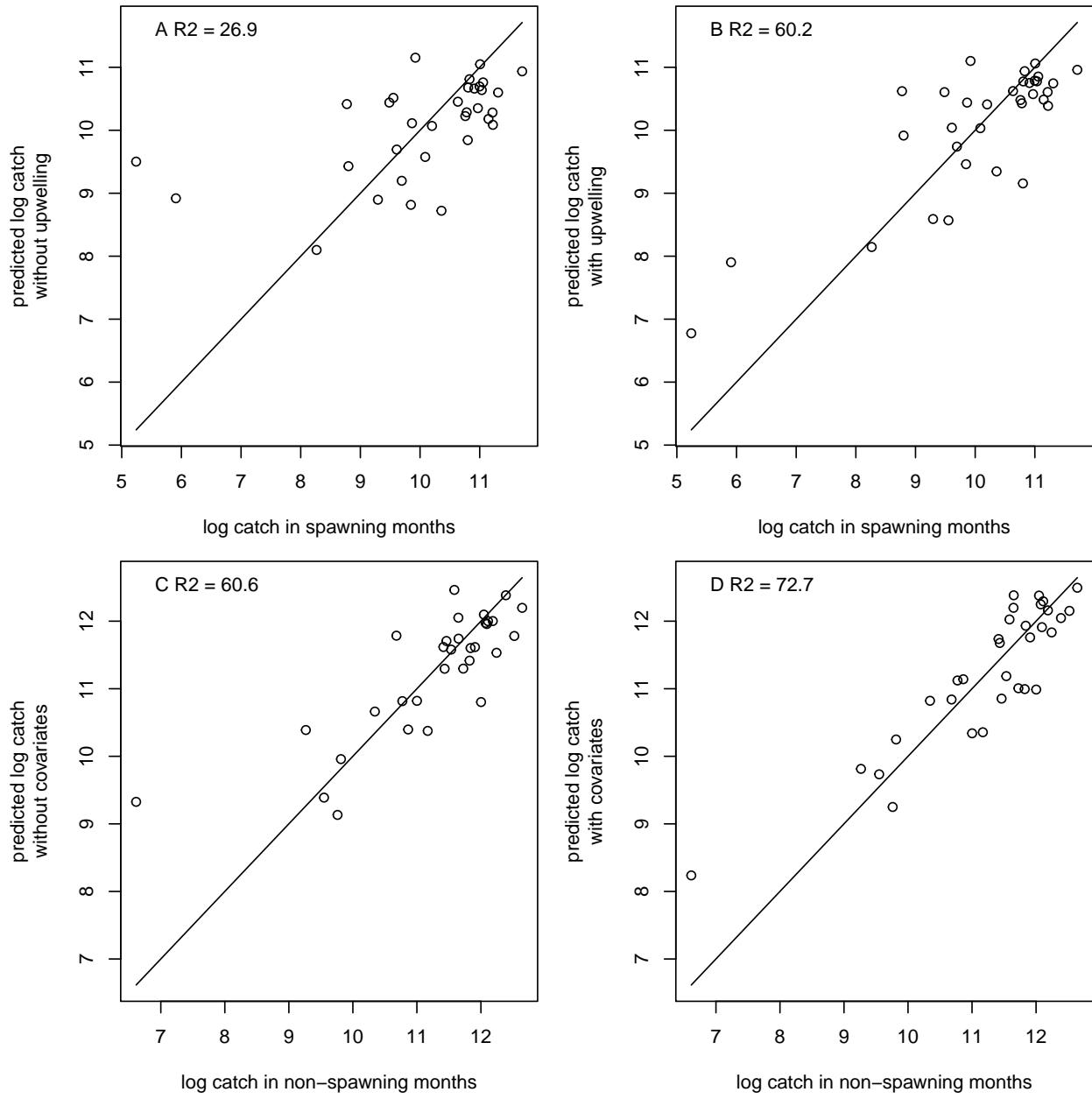


Figure 10