Steps for whale models @ 3km scale

1. Create a new 3-km segment file for 1991-2014 CCE data (Elizabeth will do this shortly)



1. Create 3-km grid for modeling domain. I’m thinking we should get extractions for full CCE latitudes (~32-48.5), but reducing longitude range to only include areas where humpbacks tend to occur, and paralleling coast rather than being a rectangle, similar to plot at right:

* Review gridmaker.r

1. Extract bathymetry data from etopo file (depth, sd(depth), maybe distance to canyon?
2. Download murSST files for the above domain from ERRDAP (see MURSST\_ERDDAP\_URL.TXT)
3. Extract CCSRA/ROMS (2-D) and murSST variables for the above grids for April – Dec, 2005-2017, starting with every other day (since daily is probably more than we need…).

* Review CCSRA\_2D\_Grid\_Data.R and Anita’s 02d-get murSST.R