**CruzPlot Functions**

ui.R: Ui design for CruzPlot

server.R: Contains computational work and plotting for CruzPlot. Makes calls to reactive functions.

cruzDasEffort.R: Returns selected effort data; filters based on close/pass and std/non-std/fine.

cruzDasEffortFilter.R: Returns effort data filtered by beaufort, date, and cruise number.

cruzDasGeneral.R: Update symbol type and color for when 'Input symbol properties as text' is clicked and load DAS file.

cruzDasInteractive.R: Creates reactive values for interactive labeling.

cruzDasInteractiveEffort.R: Handles Interactive labels for effort.

cruzDasInteractiveSight.R: Handles Interactive labels for sightings.

cruzDasSight.R: Returns list of data frame with DAS data for selected species

cruzDasSightFilter.R: Returns sightings data filtered by beaufort, date, cruise number, and truncation distance.

cruzDasSightLegend.R: Returns parameters for legend.

cruzDasSightRange.R: Removes any sightings outside map limits and prints appropriate error messages.

cruzDasSightSymbol.R: Deals with creating symbol type, color, size, and line width vectors for plot all species, plot selected species, and boats.

cruzDasSightSymbolProp.R: Creates window that displays color/formatting options.

cruzMapColor.R: Handles water and land color as well as depth data reading/loading/filtering.

cruzMapGrid.R: Returns grid line parameters.

cruzMapInterval.R: Returns list of major and minor tick mark locations (intervals)

cruzMapLabel.R: Returns title/axis parameters.

cruzMapName.R: Determines world/world2 map and low/high res map

cruzMapRange.R: Handles map range and map window parameters.

cruzMapRiver.R: Returns river data, handles world2 problems.

cruzMapScaleBar.R: Handles scale bar computations.

cruzMapTick.R: Handles tick marks and labels.

cruzNonDas.R: Non-DAS data.

cruzSpecies: Read SpCodes.dat and handle mammal/turtle species information.

cruzUpdateColor.R: Updates color selections if color/gray scale color style is selected.

drawData.R: Plots non-DAS and DAS data.

drawInteractive.R: Plots Interactive information.

drawMap.R: Plots map and map add-ons.

drawMapTick.R: Plots tick marks and labels.

errorDasSight.R: Beaufort entry errors.

errorMapRange.R: Prints errors related to lat/lon ranges.

errorScaleBar.R: Prints errors related to scale bar.

errorTick.R: Prints errors related to tick-related entries.

funcCruzClosestPt.R: Finds point closest to interactive click and returns proper info.

funcCruzDasRead.R: Read DAS data file.

funcCruzSpeciesRead.R: Read .dat file.

funcTickMinor.R: Determine minor tick intervals.

funcTickStart.R: Determine start of major tick marks

funcTickUpdate.R: Default for major tick interval given other parameters.

saveMap.R: Actual code to save map.