Readme for grid-prep folder in raimbow repository

Folder: <https://github.com/jameals/raimbow/tree/master/prep>

Prep for risk assessment analyses

1. Clip land from the 5km grid cells for accurate area (and thus accurate density) calculations
   1. File: Grid5km\_landerase.R
2. Determine the study area, aka which 5km grid cells have (ever) had fishing effort
   1. File: Grid5km\_studyarea.R
3. Determine the associated CDFW large block number and region for each 5km grid cell in the study area.
   1. File: Grid5km\_key.R
   2. Todo?: Add in BAND\_25KM and BAND\_50KM identifiers (any others?)
4. Determine the which grid cells are in humpback (Mn) and/or Blue (Bm) BIAs
   1. File: Grid5km\_BIA\_overlap.R
   2. Of note, this information is already included in the fishing data
5. Prep whale data to be fed into risk\_mgmt()
   1. File\_Grid5km\_whale\_values.R
   2. Filter whale predictions for grid cell IDs in the study area, and convert humpback values to abundance. Full join the whale data, by grid cell ID and year-month, and add identifier columns such as Region.
   3. Use the output from this script 1) to look at monthly whale values by region, 2) to plug into risk\_mgmt(), etc.