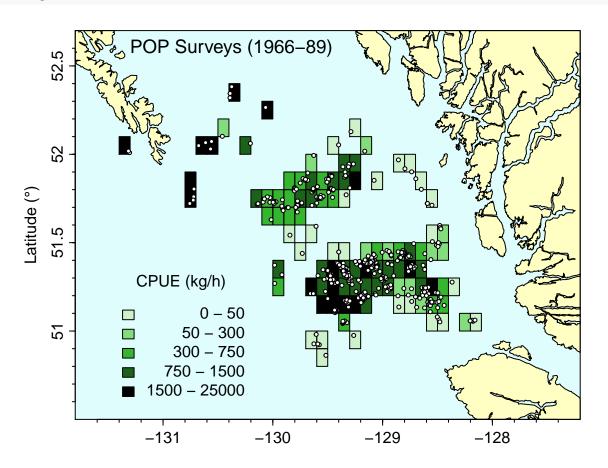
```
.PBSfig09()
```



## Data Import

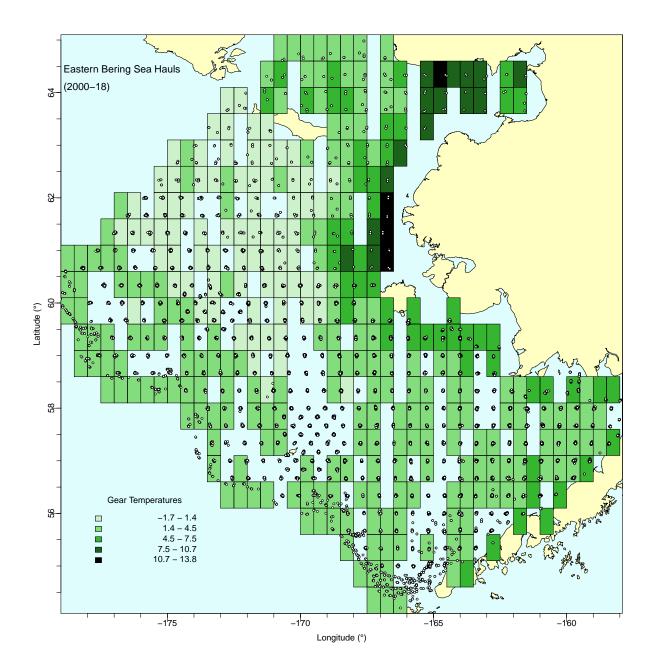
## My Function

```
makin_plots <- function() {
  clr <- .PBSclr(); # load color scheme</pre>
```

```
data(nepacLL, envir=sys.frame(sys.nframe())); # load map data
events <- as.EventData(setup_catch, projection = "LL", zone=3) #make catch data event data
# make bounding box
x1 < -c(-179, -157.9);
yl < -c(54.1, 65.1)
# create grid
grid_pbs \leftarrow makeGrid(x=seq(-179, -157.9,.5), y=seq(54.1, 65.1,.5),
                   projection="LL", zone=3)
                                             # UTM Zones, Bering Sea is 1-4
# find Event Data (hauls) in grid and calculate means
locData<- findCells(events, grid pbs)</pre>
events$Z <- events$GEAR_TEMPERATURE # gear_temp is simple to start with
pdata <- combineEvents(events, locData, FUN=mean) # summarise step
# set breakpoints in temps and assign colors
     <-c(-1.7,1.4,4.5,7.5,10.7,13.8);
lbrks <- length(brks)</pre>
cols <- c(clr$lettuce, clr$moss, clr$irish, clr$forest, clr$black) #assign colors to groups
pdata <- makeProps(pdata, brks, "col", cols) # append colors column
par(mfrow=c(1,1),omi=c(0,0,0,0))
\#-----Plot-the-figure-----
plotMap(nepacLL,
        col=clr$land,
       bg=clr$sea,
       xlim=xl,
       ylim=yl,
        tck=-0.015,
       mgp=c(2,.5,0),
       cex=1.2,
        plt=c(.08,.98,.08,.98))
addPolys(grid_pbs, polyProps=pdata)
for (i in 1:nrow(events)) {
  # plot one point at a time for clarity (seems slow?)
 points(events$X[i],
         events\Y[i],
         pch=16,
         cex=0.50,
         col=clr$white)
 points(events$X[i],
         events\Y[i],
         pch=1,
         cex=0.55,
         col=clr$black)
# title
yrtxt <- paste("(",min(events$YEAR),"-",</pre>
                substring(max(events$YEAR),3),")",sep="")
text(xl[1]+0.1,
     y1[2]-1,
     c("Eastern Bering Sea Hauls\n\n", yrtxt),
     cex=1.2.
     adi=0)
# add a legend; right-justify the legend labels
temp <- legend(x=x1[1]+1,
               y=y1[1]+2,
```

## EBS Data Figure 9

```
makin_plots()
```



(Something's wrong with the boxes, they should all have points)