## Burrows Bay Map

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```
library(maptools)
## Loading required package: sp
## Checking rgeos availability: FALSE
## Please note that 'maptools' will be retired by the end of 2023,
## plan transition at your earliest convenience;
## some functionality will be moved to 'sp'.
        Note: when rgeos is not available, polygon geometry
                                                                 computations in maptools depend on gpcl
##
        which has a restricted licence. It is disabled by default;
##
        to enable gpclib, type gpclibPermit()
global.shp=readShapePoly('./Shapefiles/ne_10m_land/ne_10m_land.shp')
## Warning: readShapePoly is deprecated; use rgdal::readOGR or sf::st_read
minor.shp=readShapePoly('./Shapefiles/ne_10m_minor_islands/ne_10m_minor_islands.shp')
## Warning: readShapePoly is deprecated; use rgdal::readOGR or sf::st_read
wash.shp=readShapePoly("./Shapefiles/sample.shp")
## Warning: readShapePoly is deprecated; use rgdal::readOGR or sf::st_read
tiff("Figure_2.tiff", width=14, height=8, units = "in", res=250)
par(fig=c(0.02,0.45,0,1))
plot(c(-125.44,-121.9),c(46.8,50.2),ylab="",xlab="",axes=F)
rect(par("usr")[1], par("usr")[3],
     par("usr")[2], par("usr")[4],
     col = "lightskyblue1")
abline(h=seq(from=47,to=50,by=0.5),col="white",lwd=1)
abline(v=seq(from=-125,to=-123,by=1),col="white",lwd=1)
plot(global.shp,col="bisque",bg="transparent",add=T,lwd=1)
plot(minor.shp,col="bisque",bg="transparent",add=T,lwd=1)
box(1wd=3)
```

```
lines(c(-123.1,-123.1),c(48.1,48.65),col="red",lwd=5)
lines(c(-122.3, -122.3), c(48.1, 48.65), col="red", lwd=5)
lines(c(-122.3, -123.1), c(48.1, 48.1), col="red", lwd=5)
lines(c(-122.3, -123.1), c(48.65, 48.65), col="red", lwd=5)
text(-123.7,48,"Olympic",font=3,family="serif")
text(-123.7,47.9,"Penninsula",font=3,family="serif")
text(-124.2,48.8,"Vancouver",font=3,family="serif")
text(-124.2,48.7, "Island", font=3, family="serif")
text(-122.5,50,"BRITISH",cex=1.4,font=3,family="serif")
text(-122.5,49.85, "COLUMBIA", cex=1.4, font=3, family="serif")
text(-123,46.9,"WASHINGTON",cex=1.4,font=3,family="serif")
axis(1,cex.axis=1,at=c(-125,-124,-123,-122))
axis(2,cex.axis=1)
par(fig=c(0.37,0.95,0,1),new=T)
plot(c(-123,-122.3),c(48.2,48.6),ylab="",xlab="",axes=F)
rect(par("usr")[1], par("usr")[3],
     par("usr")[2], par("usr")[4],
     col = "lightskyblue1")
abline(v=seq(from=-123,to=-122.3,by=0.1),col="white")
abline(h=seq(from=48.2,to=48.6,by=0.1),col="white")
plot(wash.shp,col="bisque",bg="transparent",add=T,lwd=1)
box(1wd=3)
axis(1,cex.axis=1)
axis(4,cex.axis=1,padj=-1)
text(-122.6,48.455, "Fidalgo I.", cex=1, font=3, family="serif")
text(-122.62,48.33,"Whidbey I.",cex=1,font=3,family="serif")
text(-122.89,48.47, "Lopez I.", cex=1, font=3, family="serif")
lines(c(-122.67, -122.46), c(48.46, 48.505), lwd=3)
text(-122.47,48.505,pos=4,"Burrows Bay",cex=1.5,family="serif")
lines(c(-122.664, -122.71), c(48.419, 48.39), lwd=3)
text(-122.865,48.39, "Rosario Beach Marine Laboratory", cex=1.2, family="serif")
dev.off()
## pdf
##
    2
```

convert Figure\_2.tiff Figure\_2.png

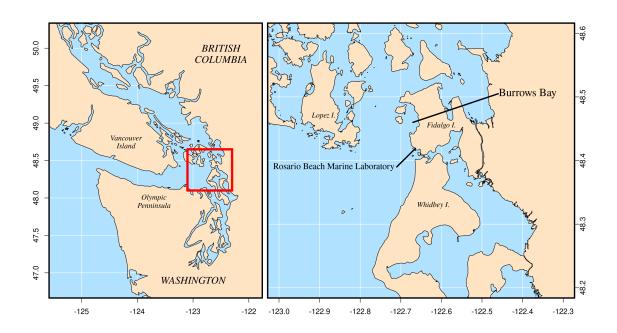


Figure 1: Map of study area