Combined 2015 and 2023 Data Setup

Mark C. Otto

2024-12-04

## Introduction

We combine the 2015 and 2023 survey files: The spatial files are: MEBoundrySF, StrSF, StrPlotSF, ColonySF

The data files are GRTSLoc tblFlightInfo tblPlotDetails tblObservations tblStaff, RecObs.

Reference files: StrArea

These are combined over years. The flight, plot, and observation files combine into RecObs. I don’t add the begplot and endplot in RecObs because the information was not collected and I can do the analysis without that information. To more easily keep track of the original data, I copy it into the ori directory and record the edits that translate it to the data used in the data directory. Instead of saving all the data in an .RSave file, read statements will retrieve each from the data directory.

I use her tables and create the list, plot, and caphist files for information from them.

I follow Danielle D’Auria’s convention of using \_PK of a primary key variable and \_FK for a foreign key variable.

library(readr)  
library(readxl)  
library(sf)

Linking to GEOS 3.11.0, GDAL 3.5.3, PROJ 9.1.0; sf\_use\_s2() is TRUE

library(dplyr)

Attaching package: 'dplyr'

The following objects are masked from 'package:stats':  
  
 filter, lag

The following objects are masked from 'package:base':  
  
 intersect, setdiff, setequal, union

library(stringr)  
library(tidyr)  
library(purrr)  
library(ggplot2)  
library(RSQLite)  
source(here::here("R/RDB2Data.R"))  
# Write the spatial data to `gis`, the dataframes to `GBHE/data` and the collections of   
# single variables to `data/MetaVars.R`. Use `lWrite = FALSE` to debug and test.  
lWrite <- FALSE  
  
# FALSE, the data come from the 2015 and 2023 projects and are written to the `GBHE/ori` directory.  
# TRUE, the data are just read from the `GBHE/ori` directory.   
lFromOri <- FALSE

## Setup the levels, level names, and size of each level

If lFromOri is FALSE, then do I get the variables from data/MetaVars.R?

# Survey years  
CurrentYr <- 2023  
cYear <- c(2015, CurrentYr)  
nYear <- length(cYear)  
  
# Survey frames  
cFrame <- c("List", "Area")  
nFrame <- length(cFrame)  
  
# Survey strata. List stratum can be different than area stratum  
# but not in this survey, so do not worry about this complication  
# by using LstStr, AreaStr, and Str. Just use Str.  
cStr <- c("SC", "Co", "ND")  
nStr <- length(cStr)  
  
# Make the year-stratum levels  
cYrStr <- apply(expand\_grid(Year = cYear, Str = cStr), 1, function(x)  
 paste(x[1], x[2], sep = "."))  
nYrStr <- length(cYrStr)  
  
# Make the year-frame-stratum levels.  
# Should call cYFS.  
cYFS <- apply(expand\_grid(Year = cYear, Frame = cFrame, Str = cStr), 1, function(x)  
 paste(x[1], x[2], x[3], sep = "."))  
nYFS <- length(cYFS)  
  
if(lWrite) {  
 dump(  
 list = c(  
 "CurrentYr",  
 "cYear",  
 "nYear",  
 "cFrame",  
 "nFrame" ,  
 "cStr",  
 "nStr",  
 "cYrStr",  
 "nYrStr",  
 "cYFS" , ,  
 "nYFS"  
 ),  
 file = here::here("data/MetaVars.R")  
 )  
}

## CRS Projections

The spatial projections or CRS codes do not seem to define the projections correctly, so save them: Alpers equal area, UTS, and WGS84 (World Geodetic System 1984).

CRS.WGS84 <- st\_crs("EPSG:4326")  
tStrPlotSF <- st\_read("~/Profesional/GBHE.2023/GIS/StrPlotSp.shp")

Reading layer `StrPlotSp' from data source   
 `/Users/motto/Profesional/GBHE.2023/GIS/StrPlotSp.shp' using driver `ESRI Shapefile'  
Simple feature collection with 1084 features and 5 fields  
Geometry type: MULTIPOLYGON  
Dimension: XY  
Bounding box: xmin: 1931486 ymin: 2500109 xmax: 2260561 ymax: 3013336  
Projected CRS: North\_America\_Albers\_Equal\_Area\_Conic

CRS.Alpers <- st\_crs(tStrPlotSF)  
tColonySp <- st\_read("~/Profesional/GBHE.2023/GIS/2015/GBHE\_ColonyPlotJoin.shp")

Reading layer `GBHE\_ColonyPlotJoin' from data source   
 `/Users/motto/Profesional/GBHE.2023/GIS/2015/GBHE\_ColonyPlotJoin.shp'   
 using driver `ESRI Shapefile'  
Simple feature collection with 215 features and 31 fields  
Geometry type: POINT  
Dimension: XY  
Bounding box: xmin: 342393 ymin: 4776074 xmax: 629280 ymax: 5170445  
Projected CRS: NAD83 / UTM zone 19N

CRS.UTM19N <- st\_crs(tColonySp)  
if (lWrite) {  
 save(CRS.WGS84, file = here::here("data/CRS.WGS84.RData"))  
 save(CRS.Alpers, file = here::here("data/CRS.Alpers.RData"))  
 save(CRS.UTM19N, file = here::here("data/CRS.UTM19N.RData"))  
}

## Maine State Boundary Layer

The state boundary polygon, [Maine State Boundary Polygon Feature](https://maine.hub.arcgis.com/datasets/maine::maine-state-boundary-polygon-feature/explore), is WGS 84. This is just a reference layer, so leave the variables as is. Transform it to Alpers and save as a KML file. We don’t need to save this because we have a reference to pull it from and how to transform it.

tMEBoundarySF <- st\_read("~/Profesional/GBHE.2023/GIS/Maine\_State\_Boundary\_Polygon\_Feature.shp")

Reading layer `Maine\_State\_Boundary\_Polygon\_Feature' from data source   
 `/Users/motto/Profesional/GBHE.2023/GIS/Maine\_State\_Boundary\_Polygon\_Feature.shp'   
 using driver `ESRI Shapefile'  
Simple feature collection with 6204 features and 9 fields  
Geometry type: POLYGON  
Dimension: XY  
Bounding box: xmin: -71.08392 ymin: 42.97703 xmax: -66.94942 ymax: 47.45986  
Geodetic CRS: WGS 84

MEBoundarySF <- st\_transform(x = tMEBoundarySF, crs = CRS.Alpers)  
if (lWrite) {  
 st\_write(  
 MEBoundarySF,  
 dsn = here::here("gis/MEBoundarySF.kml"),  
 delete\_layer = TRUE  
 )  
}  
rm(tMEBoundarySF)

## Stratum Layer

Stratum, StrSF. Don’t worry about the complication of list and area strata that are not involved in this survey.

Maine is supposed to have 91,646km². Danielle may have removed some water area. Use the areas in StrArea.

StrArea <- RDB2Data(Tbl = "StrArea",  
 RowNames = "DFStr",  
 RDB = "~/Profesional/GBHE.2023/extdata/2023/DFS2023.sq3") %>%  
 select(Str\_PK = DFStr, cStratum, KMSq)  
fStr <- factor(StrArea$Str\_PK, StrArea$Str\_PK)  
if (lWrite) {  
 dump(  
 list = c("StrArea", "fStr"),  
 file = here::here("data/MetaVars.R") ,  
 append = TRUE  
 )  
}  
  
# Use the 2023 for both stratum layers.  
if (lFromOri) {  
 tStrSF <- st\_read(here::here("ori/gis/StrSF.shp"))  
} else {  
 tStrSF <- st\_read("~/Profesional/GBHE.2023/GIS/GBHE\_Stratum.shp")  
 st\_write(tStrSF,  
 dsn = here::here("ori/gis/StrSF.shp"),  
 delete\_layer = TRUE)  
}

Reading layer `GBHE\_Stratum' from data source   
 `/Users/motto/Profesional/GBHE.2023/GIS/GBHE\_Stratum.shp' using driver `ESRI Shapefile'  
Simple feature collection with 3 features and 3 fields  
Geometry type: POLYGON  
Dimension: XY  
Bounding box: xmin: 336611.8 ymin: 4766602 xmax: 664711.9 ymax: 5255774  
Projected CRS: NAD83 / UTM zone 19N  
Deleting layer `StrSF' using driver `ESRI Shapefile'  
Writing layer `StrSF' to data source   
 `/Users/motto/Profesional/GBHE/ori/gis/StrSF.shp' using driver `ESRI Shapefile'  
Writing 3 features with 3 fields and geometry type Polygon.

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 0 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 1 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 2 not successfully written. Possibly due to too larger number with  
respect to field width

# `dplyr` joins remove the `sf` class.  
tStrSF2 <- st\_as\_sf(  
 inner\_join(  
 tibble::as\_tibble(x = list(  
 Str\_FK = fStr, cStratum = StrArea$cStratum  
 )),  
 tStrSF %>%  
 mutate(KMSq = AREA / 10 ^ 6, cStratum = NAME2\_) %>%  
 select(cStratum, KMSq),  
 by = "cStratum"  
 ) %>%  
 arrange(Str\_FK)  
)  
  
StrSF <- st\_transform(x = tStrSF2, crs = CRS.Alpers)  
if (lWrite) {  
 st\_write(StrSF,  
 dsn = here::here("gis/StrSF.kml"),  
 delete\_layer = TRUE)  
}  
rm(tStrSF, tStrSF2)

## Colony List for both years

We should start with the colony list we had in 2015, add the new colonies found in the 2015 survey and any in the following eight years.

What is odd is ME.0712 was dropped from the list and we had new colonies at least found in the survey. If ME.0712 was in active since the last survey, then there is good reason to drop it.

The AnnObs table is a good way to create the list colonies for each survey, but we don’t have a current set of those observations.

To add the 2015 new colonies, use the locations and match them to the AllColonies list. Ask Danielle.

Make the spatial layer out of the .csv files.

# These are all the colonies. 445 of them so select from the last list  
# Where are the new colonies found in the last survey.  
# Is in UTM 19N  
if (lFromOri) {  
 tColony2015 <- read\_csv(here::here("ori/Colony2015.csv"), col\_types = "c-iiidd")  
} else {  
 tColony2015 <- RDB2Data(Tbl = "Nest",  
 RowNames = "FWSNestID",  
 RDB = "~/Profesional/GBHE.2023/extdata/2015/DFS2015.sq3")  
 readr::write\_csv(tColony2015, here::here("ori/Colony2015.csv"), na = "")  
}  
  
tColony2015<-tColony2015%>%  
 select(  
 FWSColonyID\_PK = FWSNestID,  
 Str\_FK = LstStr,  
 PlotID\_FK = PlotID,  
 Lng,  
 Lat,  
 LastYr,  
 Status,  
 nNest,  
 nActive,  
 Comment  
 )  
  
# Save the original RC2XY, row-col to my 0-9A-Z code  
if (lFromOri) {  
 tRC2XY <- read\_csv(here::here("ori/Colony.csv"), col\_types = "c-iiidd")  
} else {  
 tRC2XY <- read\_csv("~/Profesional/GBHE.2015/ExtData/RC2XY.csv", col\_types = "c-iiidd")  
 readr::write\_csv(tRC2XY, here::here("ori/RC2XY.csv"), na = "")  
}  
  
# Save RC2XY for reference.   
RC2XY <- tRC2XY %>%  
 select(PlotID, Col, Row)  
if(lWrite){  
 readr::write\_csv(RC2XY, here::here("data/RC2XY.csv"), na = "")  
}

## 2023 Colony List

2023 is a spatial file but 2015 was a dataframe, but the dplyr joins remove the spatial class.

if (lFromOri) {  
 tColony2023 <- st\_read(here::here("ori/gis/Colony2023.shp"))  
} else {  
 tColony2023 <- st\_read("~/Profesional/GBHE.2023/GIS/2023/ListFrameNewPlots.shp")  
 # This only has 215 colonies. Ask Danielle.  
 # uColony2023 <- st\_read("~/Profesional/GBHE.2023/GIS/2023/GBHE\_ColonyPlotJoin.shp")  
 st\_write(  
 tColony2023,  
 dsn = here::here("ori/gis/Colony2023.shp"),  
 delete\_layer = TRUE  
 )  
}

Reading layer `ListFrameNewPlots' from data source   
 `/Users/motto/Profesional/GBHE.2023/GIS/2023/ListFrameNewPlots.shp'   
 using driver `ESRI Shapefile'  
Simple feature collection with 302 features and 37 fields  
Geometry type: POINT  
Dimension: XY  
Bounding box: xmin: 342131.9 ymin: 4776074 xmax: 629280 ymax: 5223140  
Projected CRS: NAD83 / UTM zone 19N  
Deleting layer `Colony2023' using driver `ESRI Shapefile'  
Writing layer `Colony2023' to data source   
 `/Users/motto/Profesional/GBHE/ori/gis/Colony2023.shp' using driver `ESRI Shapefile'  
Writing 302 features with 37 fields and geometry type Point.

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 0 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 1 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 2 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 2 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 3 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 3 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 4 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 4 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 5 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 5 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 6 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 6 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 7 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 7 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 8 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 8 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 9 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 9 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 10 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 10 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 11 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 11 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 12 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 12 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 13 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 13 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 14 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 14 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 15 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 15 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 16 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 16 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 17 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 17 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 18 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 18 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 19 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 19 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 20 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 20 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 21 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 21 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 22 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 22 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 23 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 23 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 24 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 24 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 25 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 25 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 26 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 26 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 27 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 27 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 28 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 28 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 29 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 29 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 30 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 30 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 31 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 31 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 32 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 32 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 33 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 33 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 34 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 34 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 35 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 35 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 36 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 36 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 37 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 37 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 38 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 38 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 39 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 39 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 40 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 40 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 41 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 41 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 42 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 42 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 43 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 43 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 44 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 44 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 45 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 45 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 46 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 46 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 47 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 47 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 48 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 48 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 49 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 49 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 50 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 50 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 51 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 51 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 52 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 52 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 53 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 53 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 54 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 54 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 55 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 55 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 56 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 56 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 57 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 57 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 58 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 58 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 59 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 59 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 60 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 60 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 61 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 61 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 62 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 62 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 63 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 63 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 64 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 64 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 65 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 65 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 66 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 66 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 67 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 67 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 68 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 68 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 69 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 69 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 70 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 70 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 71 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 71 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 72 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 72 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 73 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 73 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 74 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 74 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 75 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 75 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 76 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 76 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 77 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 77 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 78 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 78 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 79 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 79 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 80 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 80 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 81 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 81 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 82 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 82 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 83 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 83 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 84 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 84 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 85 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 85 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 86 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 86 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 87 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 87 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 88 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 88 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 89 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 89 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 90 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 90 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 91 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 91 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 92 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 92 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 93 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 93 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 94 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 94 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 95 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 95 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 96 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 96 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 97 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 97 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 98 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 98 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 99 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 99 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 100 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 100 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 101 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 101 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 102 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 102 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 103 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 103 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 104 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 104 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 105 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 105 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 106 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 106 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 107 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 107 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 108 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 108 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 109 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 109 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 110 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 110 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 111 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 111 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 112 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 112 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 113 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 113 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 114 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 114 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 115 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 115 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 116 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 116 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 117 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 117 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 118 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 118 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 119 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 119 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 120 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 120 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 121 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 121 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 122 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 122 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 123 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 123 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 124 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 124 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 125 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 125 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 126 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 126 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 127 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 127 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 128 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 128 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 129 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 129 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 130 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 130 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 131 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 131 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 132 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 132 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 133 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 133 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 134 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 134 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 135 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 135 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 136 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 136 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 137 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 137 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 138 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 138 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 139 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 139 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 140 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 140 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 141 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 141 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 142 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 142 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 143 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 143 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 144 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 144 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 145 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 145 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 146 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 146 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 147 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 147 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 148 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 148 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 149 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 149 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 150 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 150 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 151 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 151 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 152 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 152 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 153 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 153 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 154 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 154 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 155 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 155 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 156 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 156 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 157 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 157 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 158 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 158 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 159 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 159 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 160 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 160 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 161 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 161 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 162 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 162 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 163 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 163 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 164 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 164 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 165 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 165 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 166 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 166 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 167 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 167 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 168 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 168 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 169 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 169 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 170 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 170 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 171 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 171 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 172 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 172 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 173 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 173 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 174 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 174 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 175 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 175 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 176 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 176 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 177 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 177 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 178 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 178 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 179 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 179 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 180 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 180 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 181 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 181 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 182 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 182 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 183 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 183 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 184 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 184 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 185 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 185 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 186 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 186 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 187 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 187 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 188 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 188 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 189 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 189 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 190 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 190 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 191 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 191 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 192 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 192 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 193 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 193 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 194 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 194 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 195 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 195 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 196 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 196 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 197 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 197 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 198 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 198 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 199 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 199 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 200 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 200 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 201 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 201 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 202 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 202 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 203 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 203 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 204 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 204 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 205 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 205 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 206 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 206 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 207 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 207 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 208 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 208 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 209 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 209 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 210 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 210 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 211 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 211 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 212 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 212 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 213 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 213 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 214 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 214 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 215 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 215 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 216 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 216 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 217 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 217 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 218 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 218 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 219 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 219 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 220 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 220 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 221 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 221 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 222 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 222 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 223 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 223 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 224 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 224 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 225 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 225 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 226 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 226 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 227 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 227 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 228 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 228 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 229 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 229 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 230 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 230 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 231 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 231 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 232 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 232 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 233 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 233 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 234 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 234 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 235 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 235 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 236 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 236 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 237 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 237 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 238 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 238 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 239 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 239 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 240 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 240 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 241 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 241 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 242 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 242 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 243 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 243 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 244 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 244 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 245 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 245 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 246 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 246 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 247 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 247 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 248 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 248 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 249 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 249 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 250 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 250 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 251 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 251 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 252 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 252 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 253 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 253 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 254 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 254 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 255 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 255 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 256 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 256 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 257 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 257 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 258 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 258 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 259 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 259 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field AREA  
of feature 260 not successfully written. Possibly due to too larger number with  
respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 5349577000 of field  
AREA\_1 of feature 260 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 261 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 261 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 262 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 262 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 263 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 263 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 264 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 264 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 265 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 265 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 266 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 266 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 267 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 267 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 268 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 268 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 269 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 269 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 270 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 270 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 271 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 271 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 272 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 272 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 273 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 273 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 274 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 274 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 275 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 275 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 276 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 276 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 277 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 277 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 278 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 278 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA of feature 279 not successfully written. Possibly due to too larger number  
with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 11724000000 of field  
AREA\_1 of feature 279 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 280 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 280 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 281 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 281 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 282 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 282 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 283 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 283 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 284 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 284 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 285 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 285 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 286 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 286 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 287 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 287 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 288 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 288 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 289 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 289 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 290 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 290 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 291 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 291 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 292 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 292 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 293 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 293 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 294 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 296 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 296 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 297 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 297 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 298 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 298 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 299 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 299 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 300 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 300 not successfully written. Possibly due to too  
larger number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA of feature 301 not successfully written. Possibly due to too larger  
number with respect to field width

Warning in CPL\_write\_ogr(obj, dsn, layer, driver,  
as.character(dataset\_options), : GDAL Message 1: Value 44451946804.4000015 of  
field AREA\_1 of feature 301 not successfully written. Possibly due to too  
larger number with respect to field width

# Format the colony names, use the stratum short names, and add the `PlotID`.  
# Note that the join makes the file non-spatial.  
tCol2023SF <- inner\_join(  
 tColony2023 %>%  
 mutate(  
 FWSColonyID\_PK = sprintf("ME.%04d", COLONYNO),  
 Str\_FK = c(  
 "South Central" = "SC",  
 "Coastal" = "Co",  
 "North and Downeast" = "ND"  
 )[NAME2\_],  
 nNest = AvgMaxNest  
 ),  
 RC2XY %>%  
 select(PlotID, Col, Row),  
 by = c("Col", "Row")  
) %>%  
 select(FWSColonyID\_PK, Str\_FK, PlotID\_FK = PlotID, nNest)  
  
# Add the lat-longs  
LatLongSF <- st\_transform(x = tCol2023SF, crs = CRS.WGS84)  
LatLong <- st\_drop\_geometry(LatLongSF %>%  
 mutate(Lng = unlist(map(  
 LatLongSF$geometry, 1  
 )), Lat = unlist(map(  
 LatLongSF$geometry, 2  
 ))) %>%  
 select(Lng, Lat))  
  
# Add the long-lat to the nestlist  
Col2023SF <- bind\_cols(tCol2023SF, LatLong) %>%  
 mutate(  
 LastYr = NA,  
 Status = NA,  
 nActive = NA,  
 Comment = NA  
 ) %>%  
 select(FWSColonyID\_PK,  
 Str\_FK,  
 PlotID\_FK,  
 Lng,  
 Lat,  
 LastYr,  
 Status,  
 nNest,  
 nActive,  
 Comment)  
  
# Don't use. Make the spatial data from the dataframes?  
# Has 302 observations like 2023.   
tColony2015SF <- left\_join(  
 tColony2023 %>%  
 mutate(FWSColonyID\_PK = sprintf("ME.%04d", COLONYNO)) %>%  
 select(FWSColonyID\_PK),  
 tColony2015,  
 by = "FWSColonyID\_PK"  
)  
  
# For now, make an entry for each year. We should get these from  
# and annual observations file like `AnnObs`.  
ColonySF <- st\_as\_sf(bind\_rows(  
 tColony2015SF %>%  
 mutate(Year = 2015),  
 Col2023SF %>%  
 mutate(Year = 2023)  
)) %>%  
 select(  
 FWSColonyID\_PK,  
 Year,  
 Str\_FK,  
 PlotID\_FK,  
 Lng,  
 Lat,  
 LastYr,  
 Status,  
 nNest,  
 nActive,  
 Comment  
 )  
  
if (lWrite) {  
 st\_write(ColonySF,  
 dsn = here::here("gis/ColonySF.kml"),  
 delete\_layer = TRUE)  
}  
  
rm(tRC2XY, tColony2015, tColony2023, tColony2015SF)

## Non-Spatial Colony List

Colony <- st\_drop\_geometry(ColonySF) %>%  
 select(  
 Year,  
 FWSColonyID = FWSColonyID\_PK,  
 Str = Str\_FK,  
 PlotID = PlotID\_FK,  
 Lng,  
 Lat,  
 nNest,  
 nActive  
 )  
if (lWrite) {  
 readr::write\_csv(Colony, here::here("data/Colony.csv"), na = "")  
}

## Stratum-Plot Layer

I intersected or spatially joined the stratum with the plot layers, so use StrPlotSF. Later create the lat-long using st\_centroid(). Also copy over the Plot table that is non spatial but has number of colonies and km2. The row and col come from RC2XY made in the Bald Eagle national grid.

if (lFromOri) {  
 tStrPlotSF <- st\_read(here::here("ori/gis/StrPlotSF.shp"))  
} else {  
 tStrPlotSF <- st\_read("~/Profesional/GBHE.2023/GIS/StrPlotSp.shp") %>%  
 select(Str\_FK = Str, PlotID\_FK = PlotID, KMSq, Col, Row)  
 st\_write(tStrPlotSF,  
 dsn = here::here("ori/gis/StrPlotSF.shp"),  
 delete\_layer = TRUE)  
}

Reading layer `StrPlotSp' from data source   
 `/Users/motto/Profesional/GBHE.2023/GIS/StrPlotSp.shp' using driver `ESRI Shapefile'  
Simple feature collection with 1084 features and 5 fields  
Geometry type: MULTIPOLYGON  
Dimension: XY  
Bounding box: xmin: 1931486 ymin: 2500109 xmax: 2260561 ymax: 3013336  
Projected CRS: North\_America\_Albers\_Equal\_Area\_Conic  
Deleting layer `StrPlotSF' using driver `ESRI Shapefile'  
Writing layer `StrPlotSF' to data source   
 `/Users/motto/Profesional/GBHE/ori/gis/StrPlotSF.shp' using driver `ESRI Shapefile'  
Writing 1084 features with 5 fields and geometry type Multi Polygon.

tLatLong <- st\_transform(x = st\_centroid(tStrPlotSF), crs = CRS.WGS84)

Warning: st\_centroid assumes attributes are constant over geometries

LatLong <- st\_drop\_geometry(tLatLong %>%  
 mutate(Lng = unlist(map(  
 tLatLong$geometry, 1  
 )), Lat = unlist(map(  
 tLatLong$geometry, 2  
 ))) %>%  
 select(Lng, Lat))  
  
# Add the long-lat to the nestlist  
StrPlotSF <- bind\_cols(tStrPlotSF, LatLong) %>%  
 select(Str\_FK, PlotID\_FK, KMSq, Lng, Lat, Col, Row)  
if(lWrite) {  
 st\_write(StrPlotSF, here::here("GIS/StrPlotSF.kml"), delete\_layer = TRUE)  
}  
rm(tStrPlotSF, tLatLong, LatLong)

## All Known Colonies

We need all colonies to incorporate the 2015 new nests into the 2023 list and some colonies not in the original list were observered.

# NestList is the colony list. Need to remove all the colonies without  
# locations.  
if (lFromOri) {  
 tColonies <- read\_csv(here::here("ori/Colonies.csv"))  
} else {  
 tColonies <- read\_csv(file = "~/Profesional/GBHE.2023/extdata/2023/COLONIES.csv")  
 readr::write\_csv(tColonies, here::here("ori/Colonies.csv"), na = "")  
}

Rows: 387 Columns: 37  
── Column specification ────────────────────────────────────────────────────────  
Delimiter: ","  
chr (12): SiteID, GEOCODE, DELORME, ColName, HabitatDesc, Directions, Commen...  
dbl (21): COLONYNO, Island, Coastal, Hardwoods, Softwoods, Snags, LiveTrees,...  
lgl (4): WWHNO, TWWHNum, Major Watershed, Subwatershed  
  
ℹ Use `spec()` to retrieve the full column specification for this data.  
ℹ Specify the column types or set `show\_col\_types = FALSE` to quiet this message.

tColonySF <- tColonies %>%  
 # read\_csv(file = "~/Profesional/GBHE.2023/extdata/2023/COLONIES.csv", col\_types = "ic--c---------cccc---dd---c-d------ii") %>%  
 filter(!is.na(X\_UTMNAD83)) %>%  
 mutate(  
 FWSColonyID = sprintf("ME.%04d", COLONYNO),  
 Year = ifelse(Found2009, "2009", "<2009"),  
 Comment = paste(  
 SiteID,  
 ColName,  
 HabitatDesc,  
 Directions,  
 Comments,  
 History,  
 sep = ";"  
 )  
 ) %>%  
 select(FWSColonyID, Nest = COLSIZE, Year, Comment, X\_UTMNAD83, Y\_UTMNAD83) %>%  
 # 0919 was a duplicate.  
 distinct() %>%  
 st\_as\_sf(coords = c("X\_UTMNAD83", "Y\_UTMNAD83"),  
 crs = CRS.UTM19N)  
  
tLatLong <- st\_transform(x = tColonySF, crs = CRS.WGS84)  
  
LatLong <- st\_drop\_geometry(tLatLong %>%  
 mutate(Lng = unlist(map(  
 tLatLong$geometry, 1  
 )), Lat = unlist(map(  
 tLatLong$geometry, 2  
 ))) %>%  
 select(Lng, Lat))  
  
# Add the long-lat to the nestlist  
tColonySF2 <- bind\_cols(tColonySF, LatLong)  
  
AllColonySF <- st\_intersection(  
 StrPlotSF %>%  
 select(Str = Str\_FK, PlotID = PlotID\_FK),  
 st\_transform(x = tColonySF2, crs = st\_crs(StrPlotSF))  
) %>%  
 select(FWSColonyID, Year, Str, PlotID, Nest, Lng, Lat, Comment)

Warning: attribute variables are assumed to be spatially constant throughout  
all geometries

# Colony has more colonies than AllColonies  
PickOne <- function(x){  
 idx <- !is.na(x)  
 return(x[idx][1])  
}  
  
tAllCol <- bind\_rows(  
 st\_transform(AllColonySF, crs = CRS.UTM19N),  
 # st\_drop\_geometry(ColonySF) %>%  
 st\_transform(ColonySF, crs = CRS.UTM19N) %>%  
 mutate(  
 FWSColonyID = FWSColonyID\_PK,  
 Str = Str\_FK,  
 PlotID = PlotID\_FK,  
 ) %>%  
 group\_by(FWSColonyID, Year, Str, PlotID) %>%  
 summarize(  
 Year = min(Year, 2009),  
 Nest = max(nNest, 0, na.rm = TRUE),  
 Lng = mean(Lng, na.rm = TRUE),  
 Lat = mean(Lat, na.rm = TRUE),  
 Comment = PickOne(Comment),  
 .groups = "drop"  
 ) %>%  
 mutate(Year = as.character(Year), ) %>%  
 dplyr::select(FWSColonyID, Year, Str, PlotID, Nest, Lng, Lat, Comment)  
) %>%  
 distinct() %>%  
 group\_by(FWSColonyID, Year, Str, PlotID) %>%  
 summarize(  
 Year = min(Year, 2009),  
 Nest = as.integer(max(Nest, 0, na.rm = TRUE)),  
 # Del = "",  
 Lng = mean(Lng, na.rm = TRUE),  
 Lat = mean(Lat, na.rm = TRUE),  
 Comment = PickOne(Comment),  
 .groups = "drop"  
 ) %>%  
 arrange(FWSColonyID, desc(Nest)) %>%  
 filter(!(duplicated(FWSColonyID)  
 #&(is.na(Comment)|grepl("count", Comment))  
 ))  
AllColonySF <- tAllCol   
AllColony <- st\_drop\_geometry(AllColonySF)  
  
if (lWrite) {  
 write\_csv(AllColony, here::here("data/AllColony.csv"), na = "")  
 st\_write(AllColonySF,  
 here::here("gis/AllColonySF.kml"),  
 delete\_layer = TRUE)  
}  
rm(tColonies, tColonySF, tColonySF2, tLatLong, LatLong)

## List Plot List

Doesn’t this depend on the year the sample was taken as to what is put in the list? For now we use all colonies.

List <- st\_drop\_geometry(ColonySF) %>%  
 select(Str = Str\_FK,  
 PlotID = PlotID\_FK,  
 nNest,  
 # Should standardize: nActive or nAct  
 nAct = nActive) %>%  
 group\_by(Str, PlotID) %>%  
 summarize(  
 nCol = n(),  
 nNest = sum(nNest, na.rm = TRUE),  
 nAct = sum(nAct, na.rm = TRUE),  
 .groups = "drop"  
 )  
if (lWrite) {  
 readr::write\_csv(List, here::here("data/List.csv"), na = "")  
}

## Identify the colonies used for known colonies.

tColUsed <- read\_csv("~/Profesional/GBHE.2023/extdata/2023/GBHE\_ColonyPlotJoin.csv",  
 col\_types = "---idd------ii----------------c-") %>%  
 mutate(FWSColonyID = sprintf("ME.%04d", COLONYNO),  
 DatEntered = "2022-01-01") %>%  
 select(FWSColonyID, DatEntered)

## Plot Non-Spatial

Add the nests too.

tPlot <- st\_drop\_geometry(StrPlotSF) %>%  
 select(Str = Str\_FK, PlotID = PlotID\_FK, KMSq, Lng, Lat)  
  
Plot <- left\_join(tPlot, List, by = c("Str", "PlotID")) %>%  
 mutate(  
 nCol = ifelse(is.na(nCol), 0, nCol),  
 nNest = ifelse(is.na(nNest), 0, nNest),  
 nAct = ifelse(is.na(nAct), 0, nAct)  
 ) %>%  
 select(Str, PlotID, Lng, Lat, KMSq, nCol, nNest, nAct)  
if (lWrite) {  
 write\_csv(Plot, here::here("data/Plot.csv"), na = "")  
}  
rm(tPlot)

## GRTS Sample

Combine the current year GRTS sample file with the past years. Add the year onto the tables. Archive GRTSLoc that has all the information used for the sample design. Make GRTSSmp that identifies the samples flown and keep that for the estimation.

L79 was sampled, so correct EvalStatus.

if (lFromOri) {  
 GRTSLoc2015 <- read\_csv(here::here("ori/GRTSLoc2015.csv"), col\_types = "ccddidcccccccc")  
 GRTSLoc2023 <- read\_csv(here::here("ori/GRTSLoc2023.csv"), col\_types = "ccddidcccccccc")  
} else {  
 GRTSLoc2015 <- RDB2Data(  
 Tbl = "GRTSLoc",  
 RowNames = "siteID",  
 RDB = "~/Profesional/GBHE.2023/extdata/2015/DFS2015.sq3",  
 envir = NULL  
 )  
 readr::write\_csv(GRTSLoc2015, here::here("ori/GRTSLoc2015.csv"), na = "")  
   
 GRTSLoc2023 <- RDB2Data(  
 Tbl = "GRTSLoc",  
 RowNames = "siteID",  
 RDB = "~/Profesional/GBHE.2023/extdata/2023/DFS2023.sq3",  
 envir = NULL  
 )  
 readr::write\_csv(GRTSLoc2023, here::here("ori/GRTSLoc2023.csv"), na = "")  
}  
  
tGRTSLoc2 <- bind\_rows(GRTSLoc2015 %>%  
 mutate(Year = 2015),  
 GRTSLoc2023 %>%  
 mutate(Year = CurrentYr)) %>%  
 mutate(  
 Str = stratum,  
 siteID = Plot,  
 EvalStatus = ifelse(is.na(EvalStatus), FALSE, EvalStatus == "Evaluated"),  
 EvalStatus = ifelse(siteID == "L79", TRUE, EvalStatus)  
 )  
  
GRTSLoc <- inner\_join(tGRTSLoc2,  
 Plot %>%  
 select(Str, PlotID, KMSq, nAct),  
 by = c("Str", "PlotID")) %>%  
 select(  
 Year,  
 siteID,  
 Str,  
 PlotID,  
 SmpType,  
 xcoord,  
 ycoord,  
 mdcaty,  
 wgt,  
 KMSq,  
 nAct,  
 panel,  
 EvalStatus,  
 EvalReason,  
 Comment  
 )  
if (lWrite) {  
 readr::write\_csv(GRTSLoc, here::here("data/GRTSLoc.csv"), na = "")  
}  
rm(GRTSLoc2015, GRTSLoc2023, tGRTSLoc2)

## GRTSSmp for the Estimation

GRTSSmp <- GRTSLoc %>%  
 filter(EvalStatus) %>%  
 select(Year, siteID, Str, PlotID, SmpType, KMSq, nAct)  
  
if (lWrite) {  
 readr::write\_csv(GRTSSmp, here::here("data/GRTSSmp.csv"), na = "")  
}

The colony observations, RecObs are created from tblFlightInfo, tblObservations, tblPlotDetails, and tblStaff.

First combine the flight and plot files. Problems with commas in the weather notes, WxNotes in the 2023 table. Put quotes around the field.

if (lFromOri) {  
 tblFlightInfo2015 <- read\_csv(here::here("ori/tblFlightInfo2015.csv"), col\_types = "iiiiccccccc")  
   
 tblFlightInfo2023 <- read\_csv(here::here("ori/tblFlightInfo2023.csv"), col\_types = "iiiiccccccc")  
} else {  
 tblFlightInfo2015 <- readr::read\_csv(  
 "~/Profesional/GBHE.2015/ExtData/GBHEDualFrame2/tblFlightInfo.csv",  
 col\_types = "iiiiccccccc"  
 )  
 readr::write\_csv(tblFlightInfo2015,  
 here::here("ori/tblFlightInfo2015.csv"),  
 na = "")  
   
 tblFlightInfo2023 <- readr::read\_csv(  
 "~/Profesional/GBHE.2023/extdata/2023/tblFlightInfo.csv",  
 col\_types = "iiiiccccccc"  
 )  
 readr::write\_csv(tblFlightInfo2023,  
 here::here("ori/tblFlightInfo2023.csv"),  
 na = "")  
}  
  
tblFlightInfo <- bind\_rows(tblFlightInfo2015, tblFlightInfo2023) %>%  
 mutate(  
 Date = sprintf("%04d-%02d-%02d", DateYear, DateMonth, DateDay),  
 Start = as.POSIXct(Start, format = "%H:%M:%S"),  
 End = as.POSIXct(End, format = "%H:%M:%S"),  
 Comment = paste(ifelse(is.na(WxNotes), "", WxNotes), ifelse(is.na(Comments), "", Comments), sep = "; ")  
 ) %>%  
 select(  
 Flight\_PK,  
 Year = DateYear,  
 Date,  
 Start,  
 End,  
 Pilot,  
 Front = FObs,  
 Rear = RObs,  
 Comment  
 )  
if (lWrite) {  
 readr::write\_csv(tblFlightInfo, here::here("data/tblFlightInfo.csv"), na = "")  
}  
rm(tblFlightInfo2015, tblFlightInfo2023)

## Add the obserervers to the meta-variable dump

# For observer detection  
cSeat <- c("Front", "Rear", "Dirt")  
  
# Set up the observers for observer detection. Put ground last and set detection to one.  
# Make a sort function for the observers to sort by last then first name.  
LastFirst <- function(str) {  
 nc <- nchar(str)  
 paste(substr(str, nc, nc), substr(str, 1, nc - 1), sep = "")  
}  
cObsr <- unique(as.character(c(  
 tblFlightInfo$Front, tblFlightInfo$Front  
)))  
cObsr <- cObsr[order(LastFirst(cObsr))]  
cObsr <- c(cObsr[cObsr != "Gnd"], "Gnd")  
nObsr <- length(cObsr)  
  
if (lWrite) {  
 dump(  
 list = c("cSeat", "cObsr", "nObsr"),  
 file = here::here("data/MetaVars.R") ,  
 append = TRUE  
 )  
}

## Merge the plot tables

Combine with GRTSLoc to add Str and PlotID. The OOS will not have stratum or plot ID.

if (lFromOri) {  
 tblPlotDetails2015 <- read\_csv(here::here("ori/tblPlotDetails2015.csv"), col\_types = "iclccccci")  
   
 tblPlotDetails2023 <- read\_csv(here::here("ori/tblPlotDetails2023.csv"), col\_types = "iclccccci")  
} else {  
 tblPlotDetails2015 <- readr::read\_csv(  
 "~/Profesional/GBHE.2015/ExtData/GBHEDualFrame2/tblPlotDetails.csv",  
 col\_types = "iclccccci"  
 )  
 readr::write\_csv(tblPlotDetails2015,  
 here::here("ori/tblPlotDetails2015.csv"),  
 na = "")  
   
 tblPlotDetails2023 <- read\_csv("~/Profesional/GBHE.2023/extdata/2023/tblPlotDetails.csv",  
 col\_types = "iiclccccc")  
 readr::write\_csv(tblPlotDetails2023,  
 here::here("ori/tblPlotDetails2023.csv"),  
 na = "")  
}  
  
ttblPlotDetails <- bind\_rows(  
 tblPlotDetails2015 %>%  
 mutate(Year = 2015),  
 tblPlotDetails2023 %>%  
 mutate(Year = CurrentYr)  
) %>%  
 mutate(  
 BegArea = as.POSIXct(BegArea, format = "%H:%M:%S"),  
 EndArea = as.POSIXct(EndArea, format = "%H:%M:%S"),  
 BegList = as.POSIXct(BegList, format = "%H:%M:%S"),  
 EndList = as.POSIXct(EndList, format = "%H:%M:%S"),  
 Comment = ifelse(`Combined?`, paste("Combined.", ifelse(  
 is.na(Comments), "", Comments  
 )), Comments)  
 )  
  
tblPlotDetails <-  
 left\_join(  
 ttblPlotDetails,  
 GRTSLoc %>%  
 select(Year, SiteID = siteID, Str, PlotID),  
 by = c("Year", "SiteID")  
 ) %>%  
 select(  
 PlotDetails\_PK,  
 Year,  
 Str,  
 Flight\_FK,  
 SiteID,  
 PlotID,  
 BegArea,  
 EndArea,  
 BegList,  
 EndList,  
 Comment  
 )  
if (lWrite) {  
 readr::write\_csv(tblPlotDetails, here::here("data/tblPlotDetails.csv"), na = "")  
}  
rm(tblPlotDetails2015, tblPlotDetails2023, ttblPlotDetails)

## 2015 Observations

I am assuming the coordinates are in UTM 19N. Convert them to lat-longs for the few that have coordinates. These are important since the GBHE ones are the new colonies and we have to add them to the 2023 colony list.

Save LatLong to correct RecObs2015 too.

Is 2015 a different format than 2023?

if (lFromOri) {  
 ttblObservations2015 <- read\_csv(here::here("ori/tblObservations2015.csv"),   
 col\_types = "iclicciiiicccicii")  
} else {  
 ttblObservations2015 <- readr::read\_csv(  
 "~/Profesional/GBHE.2015/ExtData/GBHEDualFrame2/tblObservations.csv",  
 col\_types = "iclicciiiicccicii"  
 )  
 readr::write\_csv(ttblObservations2015,  
 here::here("ori/tblObservations2015.csv"),  
 na = "")  
}  
  
# Putting the primary and secondary keys first  
utblObservations2015 <- ttblObservations2015 %>%  
 mutate(Year = 2015) %>%  
 select(  
 Obs\_PK,  
 PlotDetails\_FK,  
 WaypointID,  
 `NewColony?`,  
 WBC\_ID,  
 Strata,  
 Time,  
 CaptHist,  
 FObsTot,  
 FObsAct,  
 RObsTot,  
 RObsAct,  
 Species,  
 Habitat,  
 Comments,  
 Latitude,  
 Longitude,  
 Year  
 )  
  
# For only those observations with locations.  
Loc2015SF <- utblObservations2015 %>%  
 filter(!is.na(Latitude)) %>%  
 mutate(xUTM = Longitude, yUTM = Latitude) %>%  
 st\_as\_sf(coords = c("Longitude", "Latitude"), crs = CRS.UTM19N) %>%  
 st\_transform(crs = CRS.WGS84)  
  
LatLong <- st\_drop\_geometry(Loc2015SF %>%  
 mutate(Lng = unlist(map(  
 Loc2015SF$geometry, 1  
 )), Lat = unlist(map(  
 Loc2015SF$geometry, 2  
 ))) %>%  
 select(Obs\_PK, xUTM, yUTM, Lat, Lng))  
  
tblObservations2015 <- left\_join(utblObservations2015, LatLong, by = "Obs\_PK") %>%  
 select(  
 Obs\_PK,  
 PlotDetails\_FK,  
 WaypointID,  
 `NewColony?`,  
 WBC\_ID,  
 Strata,  
 Time,  
 CaptHist,  
 FObsTot,  
 FObsAct,  
 RObsTot,  
 RObsAct,  
 Species,  
 Habitat,  
 Comments,  
 Latitude = Lat,  
 Longitude = Lng,  
 Year  
 )  
  
rm(ttblObservations2015, utblObservations2015, Loc2015SF, LatLong)

## 2023 Observations

Make edits that I would have made on RecObs.

if (lFromOri) {  
 tblObservations2023 <- read\_csv(here::here("ori/tblObservations2023.csv"), col\_types = "iicliccciiiicccdd")  
} else {  
 tblObservations2023 <- read\_csv("~/Profesional/GBHE.2023/extdata/2023/tblObservations.csv",  
 col\_types = "iicliccciiiicccdd") %>%  
 # Remove the duplicate ObsPK = 151  
 distinct()  
 readr::write\_csv(tblObservations2023,  
 here::here("ori/tblObservations2023.csv"),  
 na = "")  
}

## Combine Observations

Need to edit the 2023 observations like Danielle and I did with RecObs. and add all the locations for the known colonies. Also, many of the nests are not on the colony list we used for 2023. 1. They don’t have the 2015 new nests and 2. observed ones that are not on the list we used but are on the all colonies list.

To get this done, combine RecObs.

tblObservations <- bind\_rows(tblObservations2015,  
 tblObservations2023 %>%  
 mutate(Year = CurrentYr)) %>%  
 mutate(  
 FWSColonyID = ifelse(is.na(WBC\_ID), NA, sprintf("ME.%04d", WBC\_ID)),  
 Str = Strata,  
 AOU = ifelse(is.na(Species) &  
 pmax(FObsAct, RObsAct, na.rm = TRUE) == 0, "GBHE", Species),  
 CapHist = tolower(CaptHist),  
 ) %>%  
 select(  
 Year,  
 Obs\_PK,  
 PlotDetails\_FK,  
 Lng = Longitude,  
 Lat = Latitude,  
 AOU,  
 CapHist,  
 Location = Habitat,  
 FWSColonyID,  
 fNest = FObsTot,  
 rNest = RObsTot,  
 fAct = FObsAct,  
 rAct = RObsAct,  
 Comment = Comments  
 ) %>%  
 arrange(Obs\_PK)  
  
if (lWrite) {  
 readr::write\_csv(tblObservations,  
 here::here("data/tblObservations.csv"),  
 na = "")  
}  
  
rm(tblObservations2015, tblObservations2023)

## List the new colonies, since in tblObservations and RecObs the we use the new colony id instead of a code with new..

NewColonies <- readr::read\_csv(here::here("data/NewColonies.csv"), col\_types = "ic")

## Combine RecObs from tbl\* data files

tRecObs <- inner\_join(tblFlightInfo,  
 tblPlotDetails,  
 by = c(Flight\_PK = "Flight\_FK", "Year")) %>%  
 mutate(Comment = paste(Comment.x, Comment.y, sep = ";")) %>%  
 select(  
 Flight\_PK,  
 PlotDetails\_PK,  
 Year,  
 Date,  
 BegFlight = Start,  
 EndFlight = End,  
 Pilot ,  
 Front,  
 Rear,  
 Str ,  
 siteID = SiteID,  
 PlotID,  
 BegArea,  
 EndArea,  
 BegList,  
 EndList,  
 Comment  
 )  
  
# I should do a spatial join for every colony observed in case there  
# are any strata that split sample plots.  
tRecObs2 <- left\_join(  
 tRecObs %>%  
 select(  
 Flight\_PK,  
 PlotDetails\_PK,  
 Year,  
 siteID,  
 PlotID,  
 Date,  
 Pilot,  
 Front,  
 Rear,  
 Comment  
 ),  
 GRTSLoc %>%  
 select(Year, siteID, PlotID, Str),  
 by = c("Year", "siteID", "PlotID")  
)   
  
# Merge the flight, plot, and observation tables to make `RecObs`.  
# Keep all the flight, plot, and observation keys for reference.  
# All the sampled colonies have a stratum and plot.  
# Don't match the bald eagle RecObs. Obs\_PK is equivalent to OBJECTID.  
tRecObs3 <- inner\_join(tRecObs2,  
 tblObservations,  
 by = c(PlotDetails\_PK = "PlotDetails\_FK", "Year")) %>%  
 mutate(  
 FWSColonyID = sub("new", "ME", FWSColonyID),  
 Comment = paste(Comment.x, Comment.y, sep = ";")  
 ) %>%  
 select(  
 Obs\_PK,  
 Year,  
 Str,  
 siteID,  
 PlotID,  
 DatTim = Date,  
 Pilot,  
 Front,  
 Rear,  
 Lng,  
 Lat,  
 AOU,  
 CapHist,  
 Location,  
 FWSColonyID,  
 fNest,  
 rNest,  
 fAct,  
 rAct,  
 Comment,  
 Flight\_PK,  
 PlotDetails\_PK  
 )   
  
# tRecObs4 still has the geometry  
tRecObs4 <- left\_join(  
 tRecObs3,  
 AllColonySF %>%  
 select(  
 FWSColonyID,  
 tStr = Str,  
 tPlotID = PlotID,  
 Lng,  
 Lat  
 ),  
 by = "FWSColonyID"  
) %>%  
 mutate(  
 Str = ifelse(is.na(Str), tStr, Str),  
 PlotID = ifelse(is.na(PlotID), tPlotID, PlotID),  
 Lng = ifelse(is.na(Lng.x), Lng.y, Lng.x),  
 Lat = ifelse(is.na(Lat.x), Lat.y, Lat.x)  
 ) %>%  
 select(  
 Obs\_PK,  
 Year,  
 Str,  
 siteID,  
 PlotID,  
 DatTim,  
 Pilot,  
 Front,  
 Rear,  
 Lng,  
 Lat,  
 AOU,  
 CapHist,  
 Location,  
 FWSColonyID,  
 fNest,  
 rNest,  
 fAct,  
 rAct,  
 Comment,  
 Flight\_PK,  
 PlotDetails\_PK  
 ) %>%  
 arrange(Obs\_PK)  
  
RecObs <- st\_drop\_geometry(tRecObs4)  
  
if (lWrite) {  
 readr::write\_csv(RecObs, here::here("data/RecObs.MCO.csv"), na = "")  
}  
  
rm(tRecObs, tRecObs2, tRecObs3)

## Spatial RecObs

# Make a spatial file. `tRecObs4` is a spatial file  
tRecObsSF2 <- tRecObs4 %>%  
 filter(!is.na(Lng)) %>%  
 mutate(Lng2 = Lng, Lat2 = Lat) %>%  
 st\_as\_sf(coords = c("Lng2", "Lat2"), crs = CRS.WGS84)  
  
# This only had 137 observations, so it some locations are off.  
tRecObsSF3 <- st\_intersection(StrPlotSF %>%  
 select(Str\_FK, PlotID\_FK),  
 st\_transform(x = tRecObsSF2, crs = st\_crs(StrPlotSF))) %>%  
 mutate(Str = ifelse(is.na(Str), Str\_FK, Str),  
 PlotID = ifelse(is.na(PlotID), PlotID\_FK, PlotID))

Warning: attribute variables are assumed to be spatially constant throughout  
all geometries

RecObsSF <- st\_as\_sf(tRecObsSF2 %>%  
 filter(!is.na(Lng)),  
 coords = c("Lng", "Lat"),  
 crs = CRS.WGS84) %>%  
 st\_transform(crs = CRS.UTM19N)  
if (lWrite) {  
 st\_write(RecObsSF, here::here("GIS/RecObsSF.MCO.kml"), delete\_layer = TRUE)  
}  
  
rm(tRecObs4, tRecObsSF2, tRecObsSF3)

## Ground Observations

Add the ground observations. Make a spatial file by adding the colony information.

if (lFromOri) {  
 tGroundObs2015 <- read\_csv(here::here("ori/GroundObs2015.csv"), col\_types = "iiccciicc")  
 tGroundObs2023 <- read\_csv(here::here("ori/GroundObs2023.csv"), col\_types = "cciiiicc")  
} else {  
 tGroundObs2015 <- read\_excel(path =   
 "~/Profesional/GBHE.2015/Ori/GroundObs\_DualFrame.xlsx",  
 sheet = "Sheet1",  
 skip = 1)  
 readr::write\_csv(tGroundObs2015, here::here("ori/GroundObs2015.csv"), na = "")  
   
 tGroundObs2023 <- read\_csv(file =  
 "~/Profesional/GBHE.2023/extdata/2023/GroundCounts.csv",   
 col\_types = "cciiii------cc")  
 readr::write\_csv(tGroundObs2023, here::here("ori/GroundObs2023.csv"), na = "")  
}  
  
GroundObs2015 <- tGroundObs2015 %>%  
 mutate(  
 # OBJECTID = row\_number(),  
 Year = 2015,  
 Frame = "List",  
 Svy = "GBHE",  
 DatTim = as.character(Date),  
 FWSColonyID = sprintf("ME.%04d", Colony),  
 Obsr = "Gnd",  
 Seat = "Dirt",  
 Comment = `Additional Comments (from volunteer)`  
 ) %>%  
 rename(Nest = `Total Nests`,  
 Act = `Active Nests`) %>%  
 select(Year,  
 Frame,  
 Svy,  
 DatTim,  
 FWSColonyID,  
 Obsr,  
 Seat,  
 Nest,  
 Act,  
 Comment)  
  
 GroundObs2023 <-tGroundObs2023%>%   
 mutate(  
 # OBJECTID = row\_number(),  
 Year = 2023,  
 Frame = "List",  
 Svy = "GBHE",  
 DatTim = Date,  
 FWSColonyID = sprintf("ME.%04d", Colony),  
 Obsr = "Gnd",  
 Seat = "Dirt",  
 Nest = Total,  
 Act = Active,  
 Comment = paste(GN, Notes, sep = ";")  
 ) %>%  
 select(Year,  
 Frame,  
 Svy,  
 DatTim,  
 FWSColonyID,  
 Obsr,  
 Seat,  
 Nest,  
 Act,  
 Comment)

Combine the year ground observations aand make the spatial layer

tGroundObs <- bind\_rows(GroundObs2015, GroundObs2023) %>%  
 mutate(OBJECTID = row\_number()) %>%  
 select(OBJECTID,  
 Year,  
 Frame,  
 Svy,  
 DatTim,  
 FWSColonyID,  
 Obsr,  
 Seat,  
 Nest,  
 Act,  
 Comment)  
  
tGroundObsSF <- left\_join(tGroundObs,  
 AllColonySF %>%  
 select(FWSColonyID, Str, PlotID, Lng, Lat, geometry),  
 by = "FWSColonyID") %>%  
 select(  
 OBJECTID,  
 Year,  
 FWSColonyID,  
 Frame,  
 Svy,  
 Str,  
 PlotID,  
 Lng,  
 Lat,  
 DatTim,  
 Obsr,  
 Seat,  
 Nest,  
 Act,  
 Comment,  
 geometry  
 )  
  
# These 21 ground observations are not in the colony list I have  
tGroundObsSF %>%  
 filter(is.na(Lng))

# A tibble: 3 × 16  
 OBJECTID Year FWSColonyID Frame Svy Str PlotID Lng Lat DatTim Obsr   
 <int> <dbl> <chr> <chr> <chr> <chr> <chr> <dbl> <dbl> <chr> <chr>  
1 53 2023 ME.0908 List GBHE <NA> <NA> NA NA 2023-06… Gnd   
2 57 2023 ME.0916 List GBHE <NA> <NA> NA NA 2023-10… Gnd   
3 74 2023 ME.0913 List GBHE <NA> <NA> NA NA 2023-06… Gnd   
# ℹ 5 more variables: Seat <chr>, Nest <dbl>, Act <dbl>, Comment <chr>,  
# geometry <GEOMETRYCOLLECTION [m]>

GroundObsSF <- tGroundObsSF %>%  
 filter(!is.na(Lng)) %>%  
 st\_sf()  
  
if (lWrite) {  
 st\_write(GroundObsSF,  
 here::here("GIS/GroundObsSF.kml"),  
 delete\_layer = TRUE)  
}  
rm(tGroundObs2015, tGroundObs2023, GroundObs2015, GroundObs2023, tGroundObs, tGroundObsSF)

## Non-Spatial Ground Observations

GroundObs <- st\_drop\_geometry(GroundObsSF)  
if (lWrite) {  
 readr::write\_csv(GroundObs, here::here("data/GroundObs.csv"), na = "")  
}

## Save Data

Save all the tables we need for the estimation. The spatial data are already in gis and the non-spatial tables in data, so they can be accessed easily by locdata which is more general than base::data. Loading the save file makes data access easy as if this were an R project.

if(lWrite) {  
 save(  
 CRS.WGS84,  
 CRS.Alpers,  
 CRS.UTM19N,  
 MEBoundarySF,  
 StrSF,  
 ColonySF,  
 Colony,  
 AllColonySF,  
 AllColony,  
 StrPlotSF,  
 List,  
 Plot,  
 GRTSSmp,  
 tblFlightInfo,  
 tblPlotDetails,  
 tblObservations,  
 RecObs,  
 NewColonies,  
 GroundObsSF,  
 GroundObs,  
 file = here::here("output/GBHE.RData")  
 )  
}