demo\_user\_stats

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Identify an observer.

observer <- "obsr1000095"

Get all of their checklists.

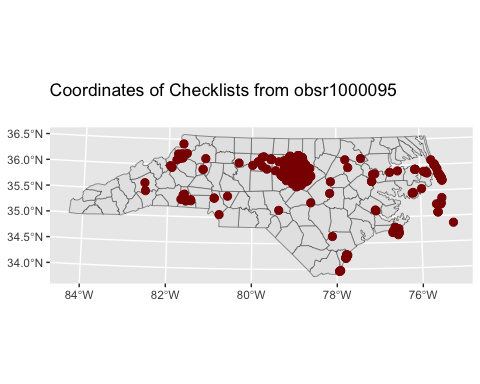
checklists.obs <- get\_checklists(observer = observer, project = NULL) %>%  
 to\_EBD\_format()

View the checklist records. They could also be saved with to.csv().

View(checklists.obs)

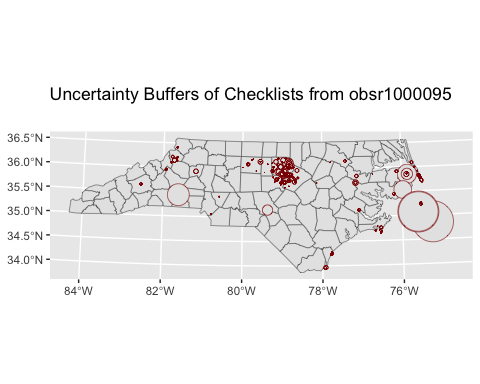
Plot the checklist locations as points.

sf <- records\_as\_sf(checklists.obs, kind = "checklists", method = "points")  
  
# Make a simple map  
ggplot(data = counties\_NC()) +  
 geom\_sf() +  
 geom\_sf(data = sf, size = 4, shape = 20,   
 crs = st\_crs(6542), colour = "darkred") +   
 ggtitle(paste("Coordinates of Checklists from", observer), subtitle = "")



Plot the checklist locations as uncertainty buffers.

sf <- records\_as\_sf(checklists.obs, kind = "checklists", method = "point-radius")  
  
# Make a simple map  
ggplot(data = counties\_NC()) +  
 geom\_sf() +  
 geom\_sf(data = sf, size = 4, shape = 20,   
 crs = st\_crs(6542), colour = "darkred") +   
 ggtitle(paste("Uncertainty Buffers of Checklists from", observer),   
 subtitle = "")

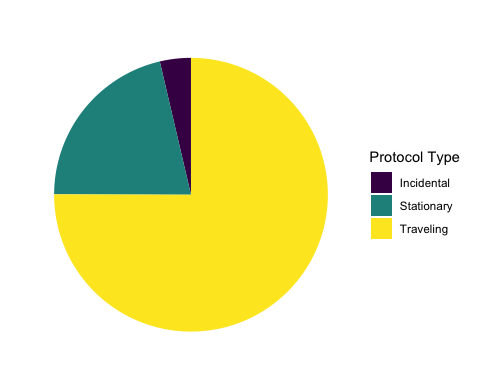


Summarise the protocol type of the checklists.

protocol\_table(checklists.obs)

## # A tibble: 3 × 4  
## protocol\_type number percentage duration\_hours  
## <chr> <int> <dbl> <dbl>  
## 1 Incidental 55 3.66 0   
## 2 Stationary 320 21.3 85.6  
## 3 Traveling 1128 75.0 1219.

show(protocol\_type\_pie(checklists.obs))



Summarize the breakdown of complete vs. incomplete checklists.

complete\_checklist\_table(checklists.obs)

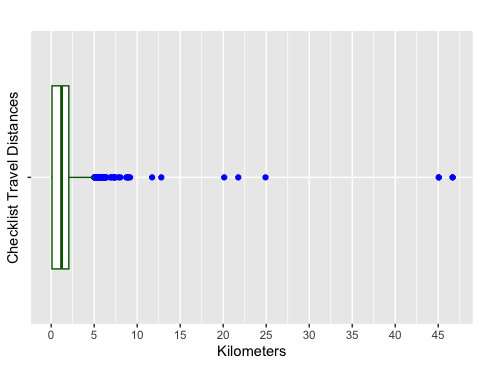
## # A tibble: 2 × 4  
## all\_species\_reported number percentage duration\_hours  
## <lgl> <int> <dbl> <dbl>  
## 1 FALSE 59 3.93 0.3  
## 2 TRUE 1444 96.1 1304.

Summarize the distance and duration of checklists.

duration\_distance\_table(checklists.obs)

## min median max mean sd count  
## duration (hours) 0 0.500 8.450 0.8677423 0.9856763 1503  
## distance (km) 0 1.207 46.671 1.6026407 2.9008790 1503

show(effort\_distance\_boxplot(checklists.obs))



show(duration\_minutes\_boxplot(checklists.obs))

