

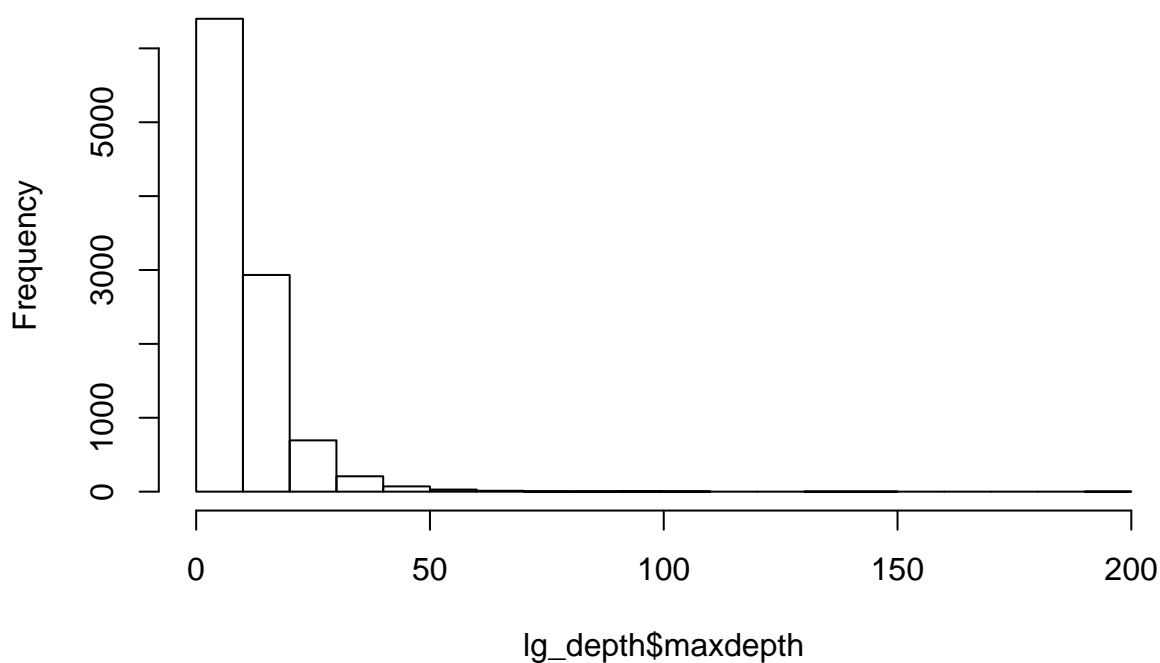
# LAGOS lake depth

```
library(LAGOSNE)
library(ggplot2)
library(sf)
library(dplyr)

lg      <- lagosne_load("1.087.1")
lg_depth <- dplyr::select(lg$lakes_limno,
                          lagoslakeid, maxdepth, maxdepthsource) %>%
  left_join(lg$locus, by = "lagoslakeid") %>%
  dplyr::filter(!is.na(maxdepth)) %>%
  coordinatize()

hist(lg_depth$maxdepth)
```

**Histogram of lg\_depth\$maxdepth**



```
knitr::kable(t(quantile(lg_depth$maxdepth, c(0, 0.05, 0.5, 0.95, 1))))
```

0%	5%	50%	95%	100%
0.1	1.8	7.9248	25.6	198.4

```
ggplot() +
  geom_sf(data = LAGOSNE::lg_extent) +
  geom_sf(data = dplyr::sample_frac(lg_depth, 0.2),
    aes(color = cut(maxdepth, round(quantile(maxdepth)))),
    size = 1, alpha = 0.4, shape = 20) +
```

```
scale_color_viridis_d(direction = -1) +  
coord_sf(datum = NA) + theme_void() +  
labs(color = "depth (m)")
```

