To illustrate how the weighted values can be derived, here is a worked example for the first question of the survey (q1), which is the question that asks how often you visit OSMP lands. The steps to derive the weighted values are first explained in words, and then using R syntax, in turn:

1) Load the data file

```
options(stringsAsFactors = F)
setwd('') # enter the directory/path to the 'OSMP Survey 2019 data.csv' file here
d <- read.csv('OSMP Survey 2019 data.csv')
```

2) Subset the data file to include only the statistically valid survey results

```
d2 <- subset(d, type == 1)
```

2) omit the survey responses that skipped this question

```
d3 <- d2[!is.na(d2$q1), ]
```

3) calculate the sum of the wt column for each level of q1. These are your weighted Ns.

```
wt.N <- aggregate(wt ~ q1, sum, data = d3)$wt
```

4) Sum up the weighted Ns to serve as the denominator for calculating the weighted percentages. Then, divide the weigthed Ns by the sum of the weigthed Ns, to get the weighted percentages.

```
wt.Perc <- prop <- wt.N / sum(wt.N) * 100
data.frame(wt.Perc, wt.N)
```

This result should match what you see in the appendix; for q1, check your result against Table 1 on page 36.