

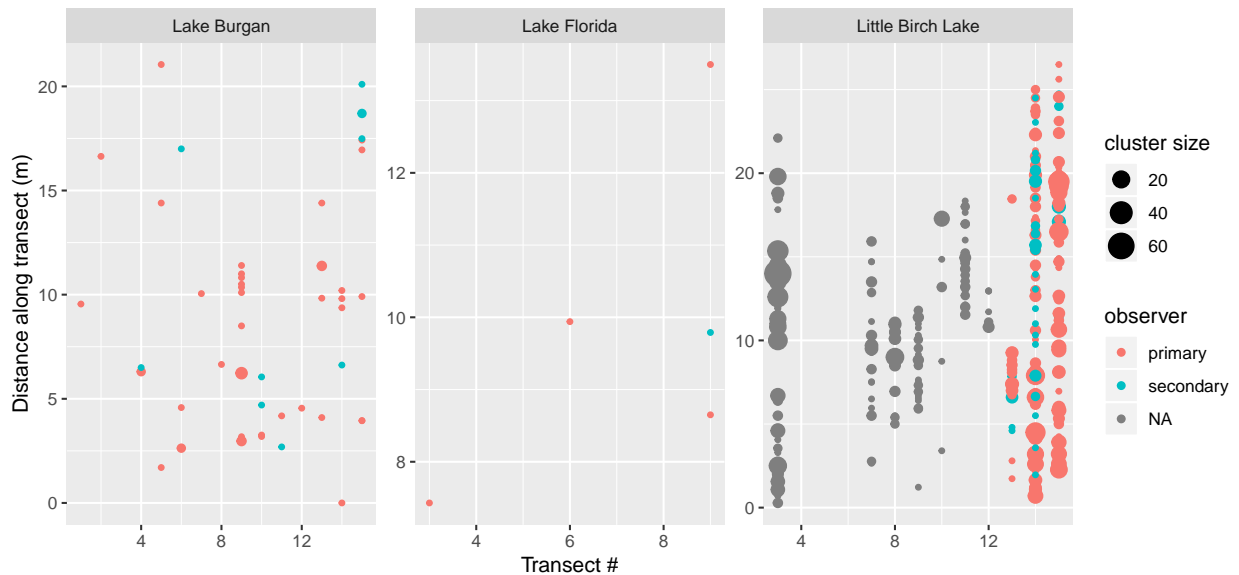
# EDA

## Double observer - no distance

Cluster sizes by lake and observer

```
## # A tibble: 7 x 6
## # Groups:   Lake name [?]
##   `Lake name`      observer mean.num med.num min.num max.num
##   <chr>           <chr>      <dbl>  <dbl>  <dbl>  <dbl>
## 1 Lake Burgan     primary      1.29    1.    1.    6.
## 2 Lake Burgan     secondary    1.11    1.    1.    2.
## 3 Lake Florida    primary      1.00    1.    1.    1.
## 4 Lake Florida    secondary    1.00    1.    1.    1.
## 5 Little Birch Lake primary      5.97    4.    1.   33.
## 6 Little Birch Lake secondary    2.34    1.    1.    9.
## 7 Little Birch Lake <NA>      4.45    2.    1.   64.
```

### Double observer – no distance sampling

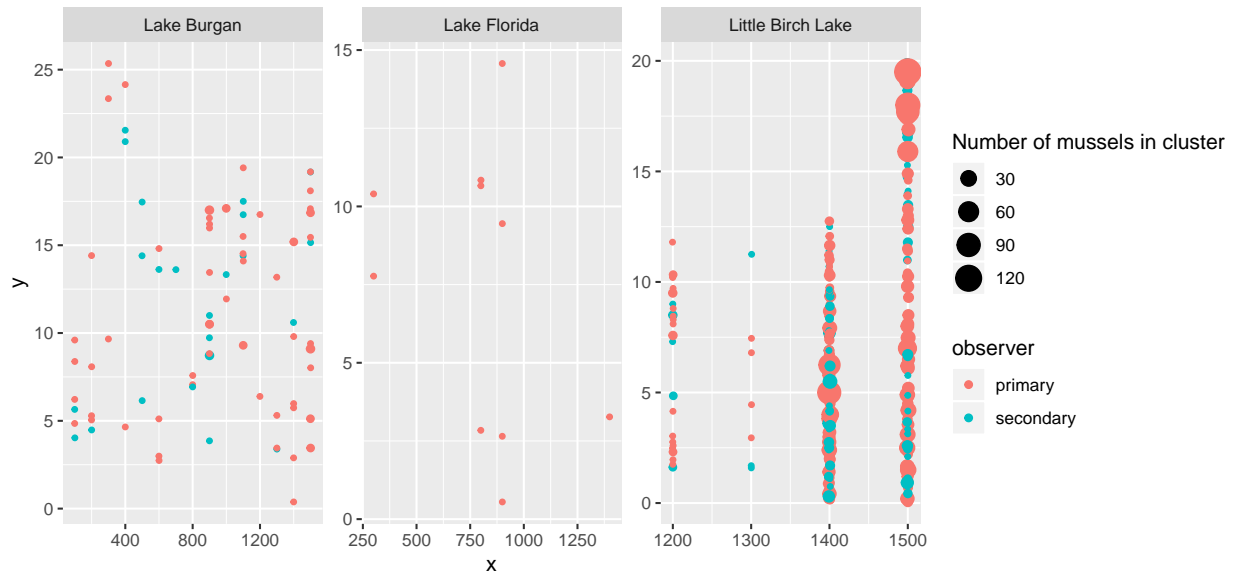


## Distance data

cluster size by lake and observer - little birch primary/secondary observers look like they are switched.

```
## # A tibble: 5 x 6
## # Groups:   Lake name [?]
##   `Lake name`      observer mean.num med.num min.num max.num
##   <chr>           <chr>      <dbl>  <dbl>  <dbl>  <dbl>
## 1 Lake Burgan     primary      1.21    1.    1.    3.
## 2 Lake Burgan     secondary    1.09    1.    1.    3.
## 3 Lake Florida    primary      1.00    1.    1.    1.
## 4 Little Birch Lake primary     10.2    5.    1.  123.
## 5 Little Birch Lake secondary     3.31    2.    1.   19.
```

Distance sampling – Little Birch looks off!



Distance sampling – Little Birch looks off!

