

Biofilm Bd Update

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About the data

Dataset 1: “9 sites Biofilm on Bd”

- X variables: day (0, 1, 7), site
- Y variables: Bd quantity, Bd reduction

Dataset 2: “fifteen-sites-PW-on-Bd”

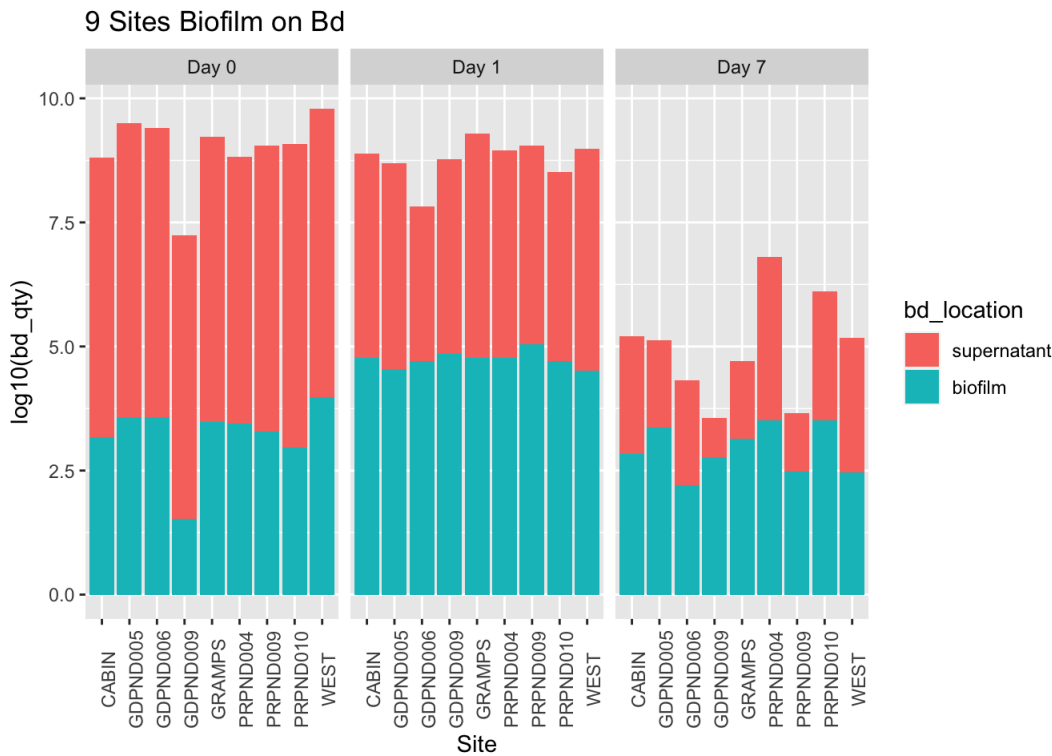
Purpose: look at the change in Bd from day 1 - day 7, and across microbe presence/absence

- X variables: day (1, 7), microbe presence/absence, bd location, site
- Y variables: bd quantity

Data visulaization

Visualize 9 sites biofilm data

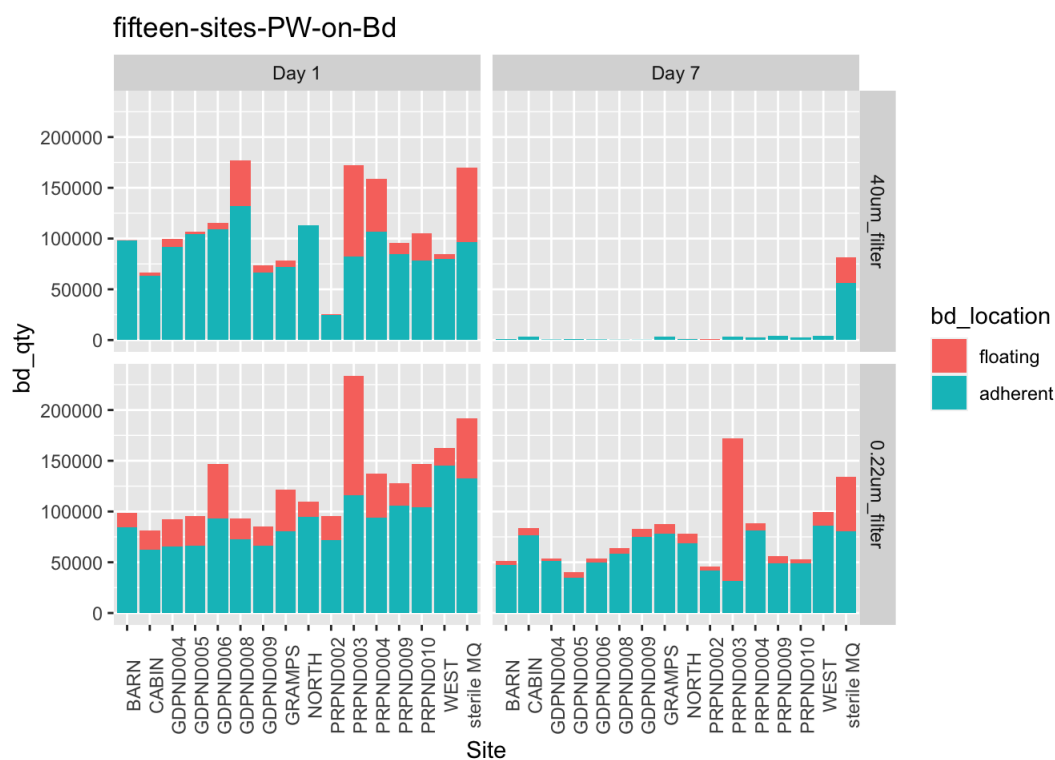
```
ns_biofilm_bd %>%
ggplot(aes(y= log10(bd_qty), x = site, fill=bd_location)) +
  geom_col() +
  facet_grid(.~day)+
  theme(axis.text.x = element_text(angle = 90)) +
  xlab("Site") +
  ggtitle("9 Sites Biofilm on Bd")
```



Visualize 15 sites pondwater bd data

not log scale

```
fs_pw_bd %>%
  ggplot(aes(y= bd_qty, x = site, fill=bd_location)) +
    geom_col() +
    facet_grid(filter~day)+
    theme(axis.text.x = element_text(angle = 90)) +
    xlab("Site") +
    ggtitle("fifteen-sites-PW-on-Bd")
```



log scale

```
fs_pw_bd %>%
  ggplot(aes(y= log10(bd_qty), x = site, fill=bd_location)) +
    geom_col() +
    facet_grid(filter~day)+
    theme(axis.text.x = element_text(angle = 90)) +
    xlab("Site") +
    ggtitle("fifteen-sites-PW-on-Bd")
```

Warning: Removed 4 rows containing missing values (`geom_col()`).

