Models 1 - Herbivore biomass gradients

Report contains model outputs and diagnostics for grazing biomass models.

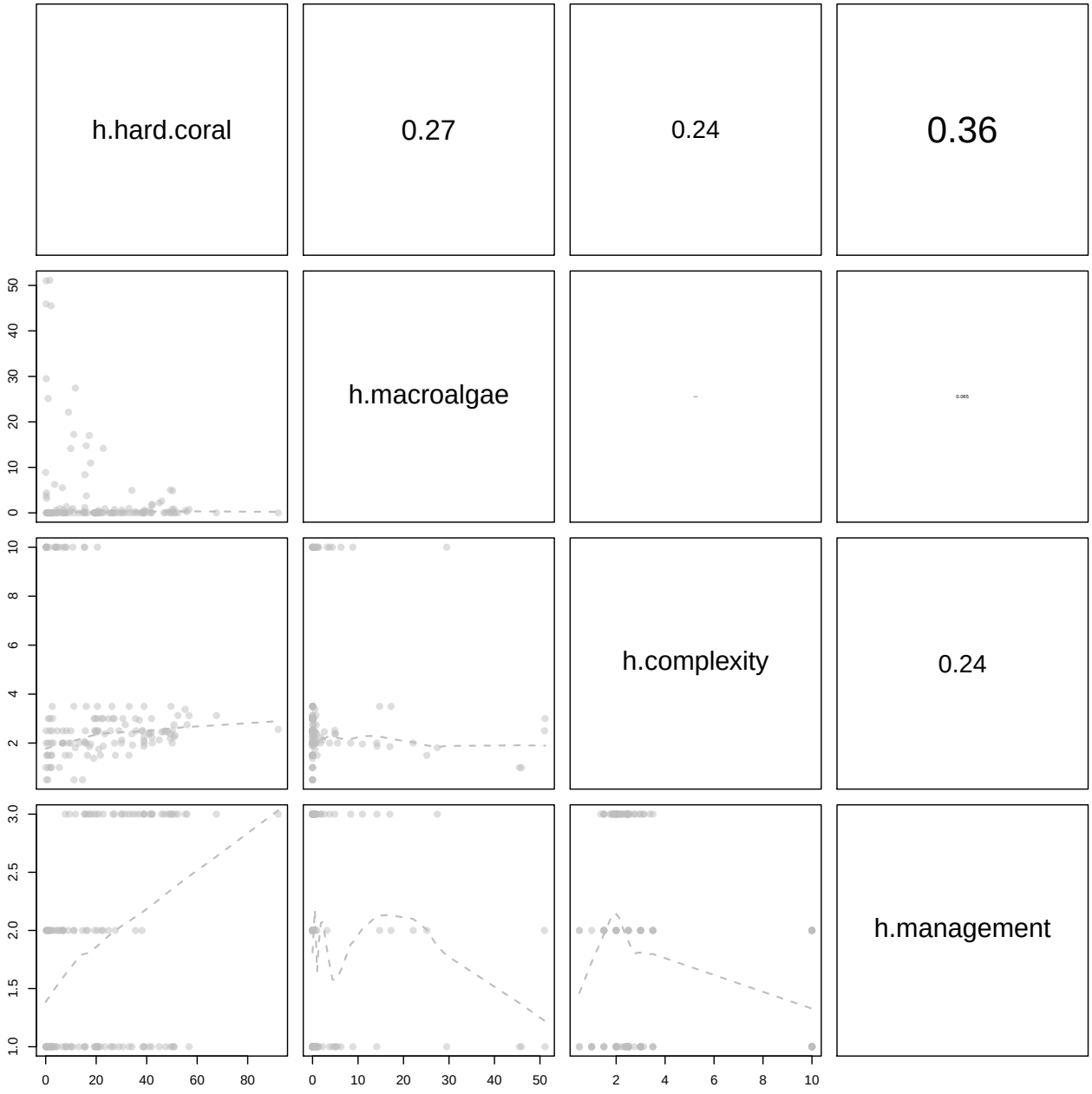


Figure 1: Correlation between explanatory covariates

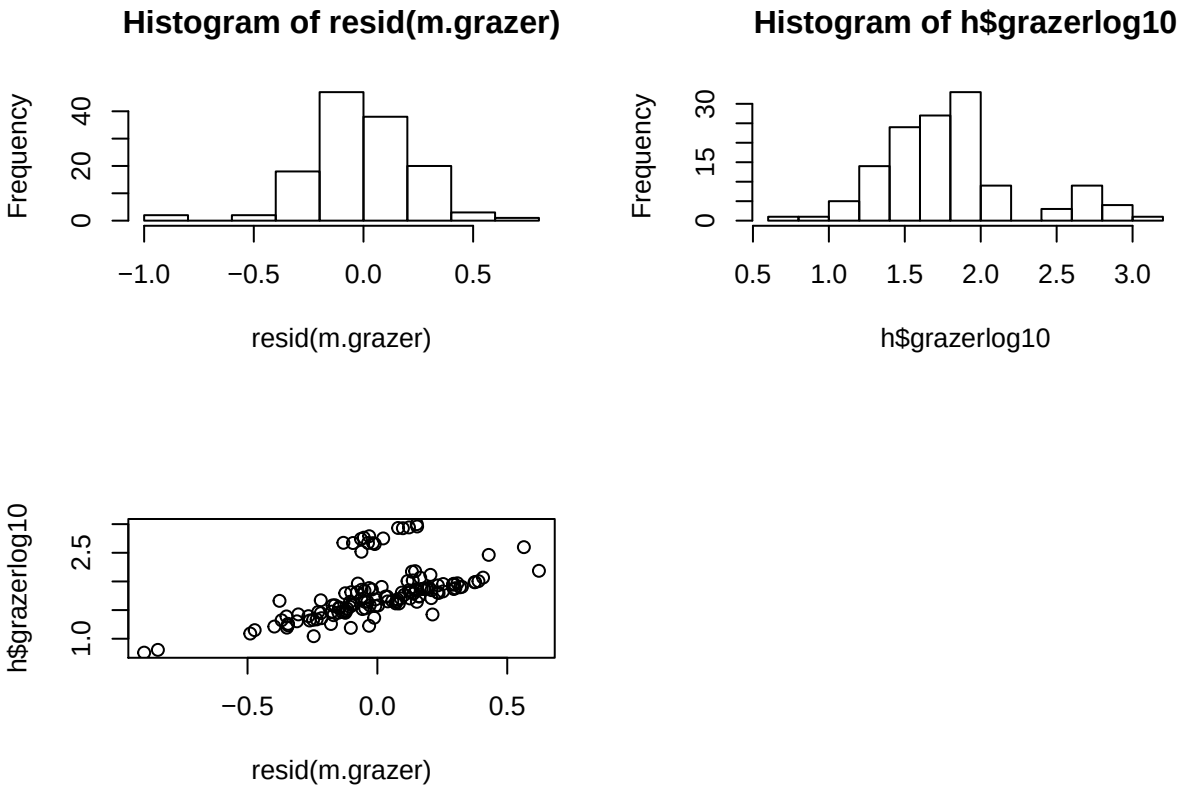


Figure 2: Grazer model residuals

Grazers

```
##
##  Shapiro-Wilk normality test
##
## data:  resid(m.grazer)
## W = 0.97153, p-value = 0.007432
```

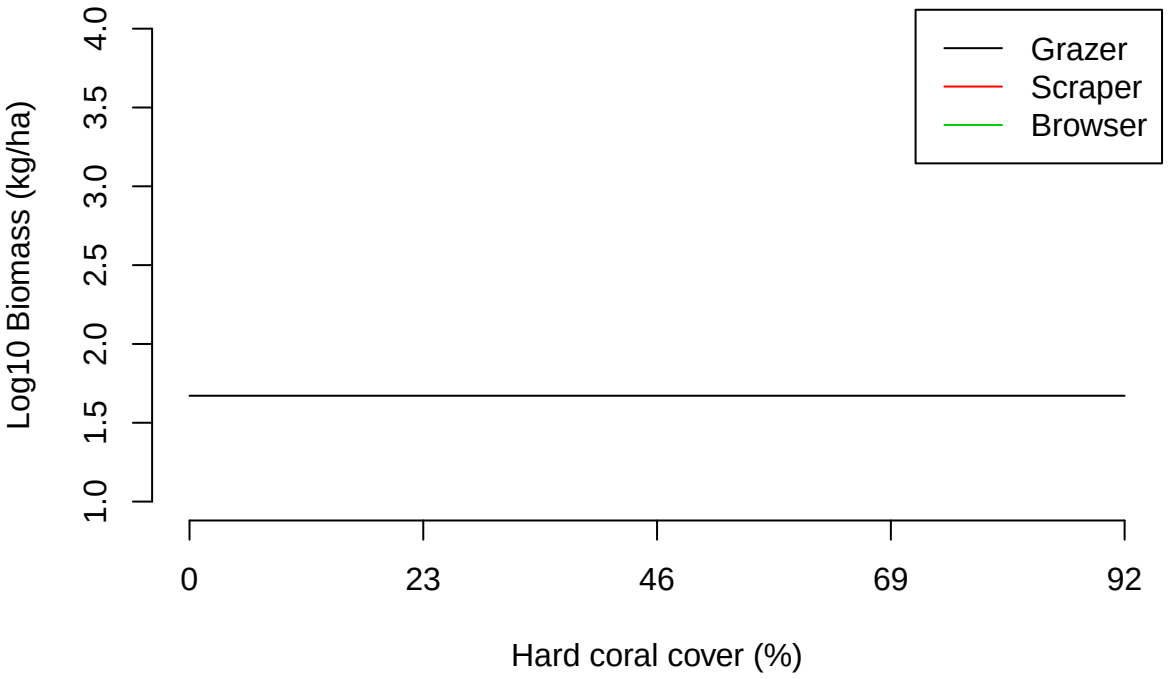
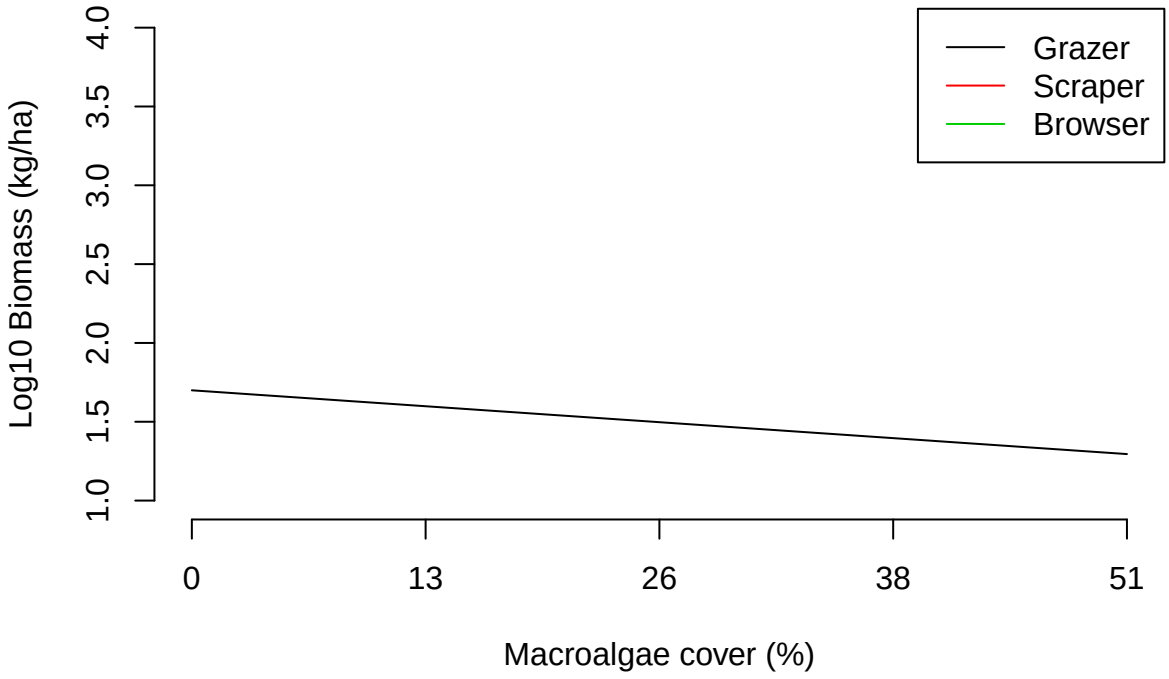


Figure 3: Grazer model effects

Now plot macroalgae for grazers

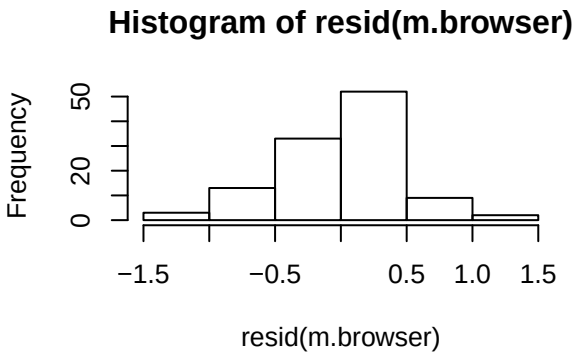


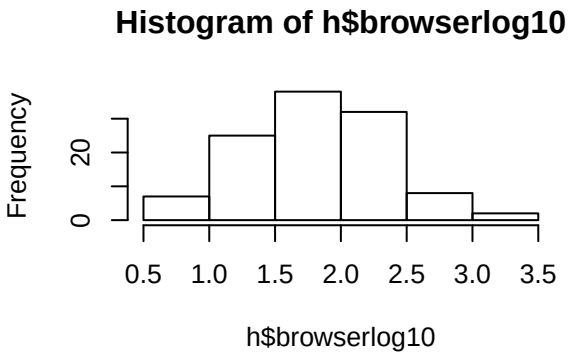
#Plot

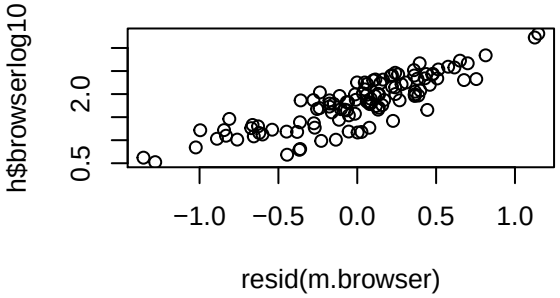
Browsers

```
## model diagnostic plots - browser biomass
par(mfrow=c(2,2))
hist(resid(m.browser))
hist(h$browserlog10)
plot(resid(m.browser), h$browserlog10)
shapiro.test(resid(m.browser)) #nope, but close enough again. We'll take what we can get.
```

```
##
##  Shapiro-Wilk normality test
##
## data:  resid(m.browser)
## W = 0.97459, p-value = 0.03105
```







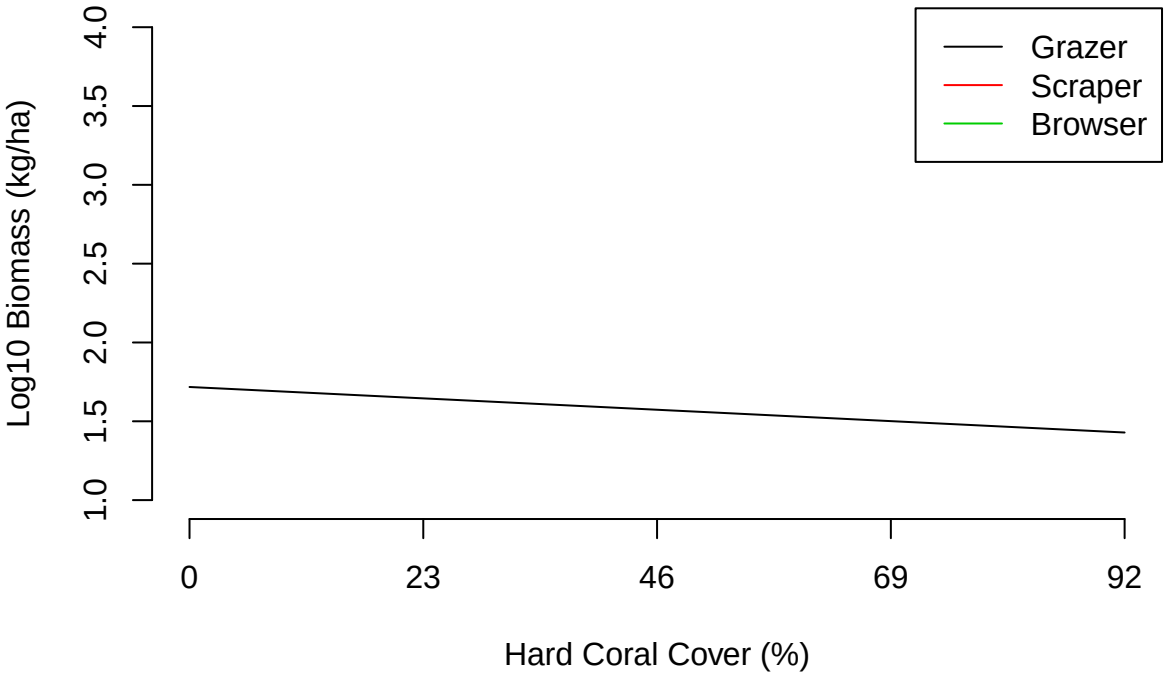


Figure 4: Browser model effects