1 Data Description

This data currently describes the tests run to determine statistically significant differences among various reaches regarding different parameters.

1.1 Importing Data

```
file = "/home/CAMPUS/mwl04747/github/Santa-Ana-Sucker-Recovery/Data/Data_TUES_1/AllParameter
import <- read.csv(file)

## Warning in file(file, "rt"):  cannot open file '/home/CAMPUS/mwl04747/github/Santa-Ana-Su
No such file or directory
## Error in file(file, "rt"):  cannot open the connection
```

1.2 Summary Statistics

Write some stuff about the summary here...

```
summary(import)

## Error in summary(import):  object 'import' not found
```

1.3 Distribution

Write some stuff about the summary here...

```
hist(import$Predictor)

## Error in hist(import$Predictor):  object 'import' not found
```

FOCUS ON P-VALUES summary(results.aov)

Site Df Sum Sq Mean Sq F value Pr(¿F) Site 2 40093 20047 35.25 7.19e-08 *** Residuals 24 13647 569 — Sediment

Df Sum Sq Mean Sq F value Pr(¿F) Sediment 1 7006 7006 3.748 0.0643 . Residuals 25 46735 1869 — Temperature

Df Sum Sq Mean Sq F value Pr(¿F) Temperature 1 1259 1259 0.6 0.446 Residuals 25 52482 2099 —- Canopy

Df Sum Sq Mean Sq F value Pr(¿F) Canopy 1 2009 2009 0.971 0.334 Residuals 25 51732 2069

results.aov=aov(Algae Site+Sediment,data=import) summary(results.aov) Df Sum Sq Mean Sq F value Pr(¿F) Site 2 37830 18915 29.307 4.73e-07 *** Sediment 1 1067 1067 1.653 0.211 Residuals 23 14844 645 — results.aov=aov(Algae Site+Temperature,data=import

Df Sum Sq Mean Sq F value Pr(¿F) Site 2 37830 18915 31.589 2.53e-07 *** Temperature 1 2139 2139 3.572 0.0714 . Residuals 23 13772 599 — Signif. codes: 0 *** 0.001 ** 0.01 * 0.05 . 0.1 1 ¿ import=read.csv(mydata)

results.aov=aov(Algae Site+Sediment,data=import) repeated???

Df Sum Sq Mean Sq F value Pr(¿F) Site 2 37830 18915 29.307 4.73e-07 *** Sediment 1 1067 1067 1.653 0.211 Residuals 23 14844 645 — ¿ results.aov=aov(Algae Site+Sediment+Temperature,data=import)

Df Sum Sq Mean Sq F value Pr(¿F) Site 2 37830 18915 32.156 2.95e-07 *** Sediment 1 1067 1067 1.813 0.1918 Temperature 1 1904 1904 3.236 0.0858 . Residuals 22 12941 588 — results.aov=aov(Algae Site+Sediment+Temperature+Canopy,data=import)

Df Sum Sq Mean Sq F value Pr(¿F) Site 2 37830 18915 30.987 5.43e-07 *** Sediment 1 1067 1067 1.747 0.2004 Temperature 1 1904 1904 3.119 0.0919 . Canopy 1 122 122 0.200 0.6591 Residuals 21 12819 610

```
hist(import$Response)

## Error in hist(import$Response):  object 'import' not found
```

2 Bias and Data Limitations

Write some stuff about the summary here...