|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | r2 |  | AIC? | | Relative Likelihood | |
|  | **State C-value** | **eC-value** | **StateC** | **eC** | **StateC** | **eC** |
| **All Wetlands** |  |  |  |  |  |  |
| Mean C | 0.28\*\*\* | 0.31\*\*\* | 264.4 | 236.3 | < 0.001 | 0.99 |
| CW-Mean C | 0.19\*\*\* | 0.26\*\*\* | 411.4 | 379.2 | < 0.001 | 0.99 |
| **Large Floodplain** |  |  |  |  |  |  |
| Mean C | 0.12\*\*\* | 0.19\*\*\* | 169.8 | 159.3 | <0.01 | 0.99 |
| CW-Mean C | 0.11\*\*\* | 0.17\*\*\* | 315.2 | 287.4 | < 0.001 | 0.99 |
| **Northern Swamp** |  |  |  |  |  |  |
| Mean C | 0.60\*\*\* | 0.55\*\*\* | 29.3 | 37.8 | 0.986 | 0.014 |
| CW-Mean C | 0.52\*\*\* | 0.49\*\*\* | 46.8 | 50.8 | 0.88 | 0.12 |

**All wetlands Mean C StateC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 2.10240 0.20409 10.30 < 2e-16 \*\*\*

FQA.data$EIA\_score\_NOSIZE 0.53856 0.07077 7.61 2.88e-12 \*\*\*

Residual standard error: 0.5222 on 149 degrees of freedom

Multiple R-squared: 0.2799, Adjusted R-squared: 0.2751

F-statistic: 57.92 on 1 and 149 DF, p-value: 2.882e-12

**All wetlands Mean C eC-value**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 2.36101 0.22326 10.575 < 2e-16 \*\*\*

FQA.data$EIA\_score\_NOSIZE 0.63191 0.07742 8.163 1.27e-13 \*\*\*

Residual standard error: 0.5712 on 149 degrees of freedom

Multiple R-squared: 0.309, Adjusted R-squared: 0.3044

F-statistic: 66.63 on 1 and 149 DF, p-value: 1.273e-13

**All wetlands Mean Cw StateC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.5089 0.3644 4.140 5.78e-05 \*\*\*

FQA.data$EIA\_score\_NOSIZE 0.7489 0.1264 5.927 2.06e-08 \*\*\*

Residual standard error: 0.9324 on 149 degrees of freedom

Multiple R-squared: 0.1908, Adjusted R-squared: 0.1853

F-statistic: 35.13 on 1 and 149 DF, p-value: 2.062e-08

**All wetlands Mean Cw eC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.8219 0.3276 5.562 1.20e-07 \*\*\*

FQA.data$EIA\_score\_NOSIZE 0.8288 0.1136 7.296 1.63e-11 \*\*\*

Residual standard error: 0.8382 on 149 degrees of freedom

Multiple R-squared: 0.2632, Adjusted R-squared: 0.2583

F-statistic: 53.23 on 1 and 149 DF, p-value: 1.634e-11

**Northern floodplain wetlands Mean C StateC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 2.65799 0.25832 10.289 < 2e-16 \*\*\*

FQA.flood$EIA\_score\_NOSIZE 0.35303 0.09026 3.911 0.000157 \*\*\*

Residual standard error: 0.4755 on 113 degrees of freedom

Multiple R-squared: 0.1192, Adjusted R-squared: 0.1114

F-statistic: 15.3 on 1 and 113 DF, p-value: 0.0001572

**Northern floodplain wetlands Mean C eC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 2.70235 0.27038 9.994 < 2e-16 \*\*\*

FQA.flood$EIA\_score\_NOSIZE 0.48324 0.09448 5.115 1.3e-06 \*\*\*

Residual standard error: 0.4977 on 113 degrees of freedom

Multiple R-squared: 0.188, Adjusted R-squared: 0.1808

F-statistic: 26.16 on 1 and 113 DF, p-value: 1.295e-06

**Northern floodplain wetlands Mean CW StateC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.9086 0.5087 3.752 0.000279 \*\*\*

FQA.flood$EIA\_score\_NOSIZE 0.6622 0.1777 3.725 0.000306 \*\*\*

Residual standard error: 0.9363 on 113 degrees of freedom

Multiple R-squared: 0.1094, Adjusted R-squared: 0.1015

F-statistic: 13.88 on 1 and 113 DF, p-value: 0.000306

**Northern floodplain wetlands Mean CW eC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 2.0895 0.4507 4.636 9.61e-06 \*\*\*

FQA.flood$EIA\_score\_NOSIZE 0.7559 0.1575 4.799 4.91e-06 \*\*\*

Residual standard error: 0.8297 on 113 degrees of freedom

Multiple R-squared: 0.1693, Adjusted R-squared: 0.162

F-statistic: 23.03 on 1 and 113 DF, p-value: 4.914e-06

**Swamp wetlands Mean C StateC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.8465 0.2283 8.089 1.44e-08 \*\*\*

FQA.swamp$EIA\_score\_NOSIZE 0.5117 0.0816 6.271 1.23e-06 \*\*\*

Residual standard error: 0.3807 on 26 degrees of freedom

Multiple R-squared: 0.602, Adjusted R-squared: 0.5867

F-statistic: 39.33 on 1 and 26 DF, p-value: 1.227e-06

**Swamp wetlands Mean C eC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 2.63977 0.26569 9.936 2.42e-10 \*\*\*

FQA.swamp$EIA\_score\_NOSIZE 0.53325 0.09498 5.615 6.69e-06 \*\*\*

Residual standard error: 0.4431 on 26 degrees of freedom

Multiple R-squared: 0.548, Adjusted R-squared: 0.5306

F-statistic: 31.52 on 1 and 26 DF, p-value: 6.69e-06

**Swamp wetlands Mean CW StateC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.1623 0.3125 3.720 0.000966 \*\*\*

FQA.swamp$EIA\_score\_NOSIZE 0.5977 0.1117 5.351 1.33e-05 \*\*\*

Residual standard error: 0.5211 on 26 degrees of freedom

Multiple R-squared: 0.5241, Adjusted R-squared: 0.5058

F-statistic: 28.64 on 1 and 26 DF, p-value: 1.332e-05

**Swamp wetlands Mean C eC**

Coefficients: Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.9256 0.3350 5.747 4.73e-06 \*\*\*

FQA.swamp$EIA\_score\_NOSIZE 0.5972 0.1198 4.986 3.49e-05 \*\*\*

Residual standard error: 0.5588 on 26 degrees of freedom

Multiple R-squared: 0.4888, Adjusted R-squared: 0.4691

F-statistic: 24.86 on 1 and 26 DF, p-value: 3.488e-05