**All wetlands Mean C StateC**

Df Sum Sq Mean Sq F value Pr(>F)

FQA.data\_rank$EIA\_RANK\_NOSIZE 2 11.26 5.632 21.62 6.04e-09 \*\*\*

Residuals 145 37.76 0.260

Tukey multiple comparisons of means

95% family-wise confidence level

Fit: aov(formula = FQA.data\_rank$OLDavCOC ~ FQA.data\_rank$EIA\_RANK\_NOSIZE)

$`FQA.data\_rank$EIA\_RANK\_NOSIZE`

diff lwr upr p adj

B-A -0.4606960 -0.7808564 -0.1405355 0.0024329

C-A -0.9058235 -1.2520464 -0.5596006 0.0000000

C-B -0.4451275 -0.6699806 -0.2202744 0.0000187

**All wetlands Mean C eC-value**

Df Sum Sq Mean Sq F value Pr(>F)

FQA.data\_rank$EIA\_RANK\_NOSIZE 2 17.02 8.511 26.25 1.86e-10 \*\*\*

Residuals 145 47.01 0.324

95% family-wise confidence level

Fit: aov(formula = FQA.data\_rank$avCOC ~ FQA.data\_rank$EIA\_RANK\_NOSIZE)

$`FQA.data\_rank$EIA\_RANK\_NOSIZE`

diff lwr upr p adj

B-A -0.6918910 -1.049087 -0.3346945 2.86e-05

C-A -1.1581509 -1.544425 -0.7718771 0.00e+00

C-B -0.4662599 -0.717124 -0.2153959 6.14e-05

**All wetlands Mean Cw StateC**

**All wetlands Mean Cw eC**

**Northern floodplain wetlands Mean C StateC**

Df Sum Sq Mean Sq F value Pr(>F)

FQA.flood\_rank$EIA\_RANK\_NOSIZE 2 3.451 1.7255 7.562 0.000831 \*\*\*

Residuals 112 25.555 0.2282

Tukey multiple comparisons of means

95% family-wise confidence level

Fit: aov(formula = FQA.flood\_rank$OLDavCOC ~ FQA.flood\_rank$EIA\_RANK\_NOSIZE)

$`FQA.flood\_rank$EIA\_RANK\_NOSIZE`

diff lwr upr p adj

B-A -0.1927655 -0.6406698 0.25513886 0.5644279

C-A -0.5533610 -1.0281513 -0.07857057 0.0179738

C-B -0.3605955 -0.6019335 -0.11925753 0.0016300

**Northern floodplain wetlands Mean C eC**

Df Sum Sq Mean Sq F value Pr(>F)

FQA.flood\_rank$EIA\_RANK\_NOSIZE 2 5.634 2.8170 10.94 4.57e-05 \*\*\*

Residuals 112 28.835 0.2575

Tukey multiple comparisons of means

95% family-wise confidence level

Fit: aov(formula = FQA.flood\_rank$avCOC ~ FQA.flood\_rank$EIA\_RANK\_NOSIZE)

$`FQA.flood\_rank$EIA\_RANK\_NOSIZE`

diff lwr upr p adj

B-A -0.1545128 -0.6302937 0.3212681 0.7213066

C-A -0.6336189 -1.1379592 -0.1292785 0.0097037

C-B -0.4791061 -0.7354644 -0.2227478 0.0000628

**Northern floodplain wetlands Mean CW StateC**

**Northern floodplain wetlands Mean CW eC**

**Swamp wetlands Mean C StateC**

**Swamp wetlands Mean C eC**

**Swamp wetlands Mean CW StateC**

**Swamp wetlands Mean C eC**