**Results**

In comparison of the summer control and treatment samples, both were significantly similar; this is shown by the mean and standard deviation the sample’s CPOM density. The control CPOM had mean of 228.4237 g with a standard deviation of 410.7339 g, and the treatment sample had a mean of 258.8367 g and standard deviation of 423.7274 g. The un-preserved sample AFDM standard deviation is 165.961, and the treated AFDM is 149.8506. These two sample types having a closely similar mean and standard deviations shows there was no significant difference between AFDM of coarse particulate organic matter in the ethanol preserved and un-preserved samples. There was no negative relationship between the AFDM and the type of sample (F1, 16 = 0.0004, p = 0.99).

Fall sampling reported similar conditions of significant similarity between control and treatments. There was no negative relationship between the AFDM and the sampling season (F1, 22 = 0.0004, p = 0.82).

Samples that were taken near shore have significantly greater coarse particulate organic matter density than those taken near the middle of the transect. The near shore samples also had a greater inorganic fraction of coarse sediment; however one sample from the open portion of the lake had the highest inorganic fraction