Complete factorial design:

Two treatment levels, four replicates

No CPOM or CPOM

Ambient N &P or N & P addition

**Study Site:**

Procedure for sediment collection:

1. Collect replicate Ekman samples from LPP littoral (1600 ml sediment needed)
2. Sieve sediments through 250 um mesh and retain in buckets\*
3. 100 ml of sediment in BOD= ~3.5 cm
4. Add ~200 ml of pond water, gently so as not to disturb the sediments (3200 ml water needed)

\*By definition, a “macroinvertebrate” is any invertebrate that is 250 um or larger. By using a 250 um mesh net, we effectively eliminated macroinvertebrates from our samples.

CPOM density for LPP

1. Run sediment (littoral) from Ekman through 250 um sieve
2. Whatever was retained by the net was put into 1L bottles
3. Back at the lab, the contents of the 1 L bottles were run through 1 mm sieve
4. The CPOM that remained in the sieve was placed in a pre-weighed paper bag
5. CPOM was dried at 50 degrees C, weighed, and then ashed at 550 degrees C to determining AFDM

\*CPOM calculation was used to determine how much CPOM to add to the BOD bottles