

The diagram illustrates the experimental design for the study, showing the spatial arrangement of four groups across 12 columns. The groups are:

- Tide Pool 1 (S1):** Three replicates. Each replicate has a yellow box in the first column, followed by green boxes in columns 2-5, blue boxes in columns 6-7, and purple boxes in columns 11-12.
- Tide Pool 2 (S2):** Three replicates. Each replicate has a yellow box in the first column, followed by green boxes in columns 2-5, blue boxes in columns 6-7, and purple boxes in columns 11-12.
- Nearshore (N):** Three replicates. Each replicate has a yellow box in the first column, followed by green boxes in columns 2-5, blue boxes in columns 6-7, and purple boxes in columns 11-12.
- Field Blank:** One replicate. It has a yellow box in the first column and a purple box in the 12th column.