

The diagram illustrates the experimental design for four groups: Tide Pool 1 (S1), Tide Pool 2 (S2), Nearshore (N), and Field Blank. Each group has three replicates. The samples are represented by colored boxes indicating different stages or treatments. The progression is as follows:

- Tide Pool 1 (S1):** 3 replicates. Each replicate starts with a yellow box, followed by a light green box, a green box, a teal box, a light blue box, a dark blue box, and a purple box.
- Tide Pool 2 (S2):** 3 replicates. Each replicate starts with a yellow box, followed by a light green box, a green box, a teal box, a light blue box, a dark blue box, and a purple box.
- Nearshore (N):** 3 replicates. Each replicate starts with a yellow box, followed by a light green box, a green box, a teal box, a light blue box, a dark blue box, and a purple box.
- Field Blank:** 1 replicate. Starts with a yellow box, followed by a light green box, a green box, a teal box, a light blue box, a dark blue box, and a purple box.