

The diagram illustrates the distribution of 120 samples across four categories, with each sample represented by a colored rectangle indicating its depth range. The categories and their sample counts are as follows:

- Tide Pool 1 (S1):** 9 samples (3 Yellow, 3 Light Green, 3 Green, 3 Teal, 3 Blue-Teal, 3 Light Blue, 3 Purple).
- Tide Pool 2 (S2):** 12 samples (3 Yellow, 3 Light Green, 3 Green, 3 Teal, 3 Blue-Teal, 3 Light Blue, 3 Purple).
- Nearshore (N):** 12 samples (3 Yellow, 3 Light Green, 3 Green, 3 Teal, 3 Blue-Teal, 3 Light Blue, 3 Purple).
- Field Blank:** 1 sample (Yellow).

The color coding for the samples is as follows:

- Yellow:** 0-10 cm
- Light Green:** 10-20 cm
- Green:** 20-30 cm
- Teal:** 30-40 cm
- Blue-Teal:** 40-50 cm
- Light Blue:** 50-60 cm
- Purple:** 60-100 cm