

The diagram illustrates the distribution of 100 samples across four categories, with each sample represented by a colored box indicating its distance from shore. The categories and their sample counts are as follows:

- Tide Pool 1 (S1):** 6 samples (3 Yellow, 3 Light Green).
- Tide Pool 2 (S2):** 12 samples (3 Yellow, 3 Light Green, 3 Green, 3 Teal, 3 Blue-Teal).
- Nearshore (N):** 12 samples (3 Yellow, 3 Light Green, 3 Green, 3 Teal, 3 Blue-Teal).
- Field Blank:** 1 sample (Yellow).

The color coding for distance from shore is:

- Yellow: 0-1 km
- Light Green: 1-2 km
- Green: 2-3 km
- Teal: 3-4 km
- Blue-Teal: 4-5 km
- Blue: 5-6 km
- Dark Blue: 6-7 km
- Purple: 7-8 km