**Beach Profile Cross Section**

Use the readings below to plot a cross section of the beach profile.

|  |  |  |
| --- | --- | --- |
| Stations | Ground distance between stations(m) | Slope angle between stations (°) |
| 1-2 | 2 | 0 |
| 2-3 | 4 | 0 |
| 3-4 | 6 | 1 |
| 4-5 | 8 | 1 |
| 5-6 | 10 | 2 |
| 6-7 | 12 | 3 |
| 7-8 | 14 | 6 |
| 8-9 | 16 | 10 |
| 9-10 | 18 | 14 |
| 11-12 | 20 | 22 |
| 12-13 | 22 | 26 |
| 13-14 | 24 | 36 |
| 14-15 | 26 | 35 |
| 15-16 | 28 | 17 |
| 16-17 | 30 | 15 |

Label it with the following:

 Foreshore  Backshore/dunes

 Possible area of coastal deposition  Wave size and frequency

 Possible area of coastal erosion  Longshore drift

 Prevailing wind  Sediment size

 Berm  High tide shore line

 Present water level