# Coastal Elevation Profile – 'Emery Rod' Data Sheet

Coastal Geoscience Program
Division of Geological & Geophysical Surveys
3354 College Road
Fairbanks, AK 99709

http://www.dggs.alaska.gov/

| | |
|---|---|
| Date: 7/6<br>Data collection team (names):<br>Team 2: | Fixed spacing (length of rope): 5m<br>Weather/wave conditions:<br>Calm<br>Horizon visibility: Clear |

Location: Benson Beach Line number: 1 Compass bearing: 176°

Time at start: 10:36 AM

| Segment # | Spacing | Change in elevation | Sediment grain size or other notes |
|---|---|---|---|
| 1 | ☒ fixed or _____ | 116-21 ☐ up ☒ down | Start |
| 2 | ☒ fixed or _____ | 35-11 ☐ up ☒ down | Road Edge |
| 3 | ☒ fixed or _____ | 50-35 ☒ up ☐ down | Road |
| 4 | ☐ fixed or 3m | 142-3 ☒ up ☐ down | Back part of bluff |
| 5 | ☐ fixed or 0.5m | 9-3 ☒ up ☐ down | Almost to bluff edge |
| 6 | ☐ fixed or 1m | 150-1 ☐ up ☒ down | Bluff bottom |
| 7 | ☒ fixed or _____ | 142-1 ☐ up ☒ down | Down to beach |
| 8 | ☒ fixed or _____ | 122-4 ☐ up ☒ down | To top of wrack line |
| 9 | ☒ fixed or _____ | 37-11 ☐ up ☒ down | In middle of wrackline |
| 10 | ☒ fixed or _____ | 40-19 ☐ up ☒ down | Middle of lower beach |
| 11 | ☒ fixed or _____ | 42-32 ☒ up ☐ down | " " |
| 12 | ☒ fixed or 2m | 38-36 ☒ up ☐ down | Top of small berm |
| 13 | ☒ fixed or _____ | 80-3 ☐ up ☒ down | To swash limit |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |
| | ☐ fixed or _____ | _____ ☐ up ☐ down | |

Time at completion: 11:15 AM

Comments or notable features/changes:

Don't forget to take a photograph!