

Longshore Drift Data

Metres from Start (Catacol end)	B Axis (cm) and Roundness (Power's Index) of 10 Granite Pebbles															Bearing to next site (°)					
	Size	Power's	S	P	S	P	S	P	S	P	S	P	S	P	S		P				
0	6.2	5	8.6	5	7.8	5	6.6	6	7.2	5	10.5	4	9.1	5	8.9	4	10.0	5	6.6	5	95
50	5.7	6	5.9	5	9.2	5	10.1	5	5.5	4	2.9	6	2.2	6	8.9	6	9.9	5	11.6	4	55
100	7.5	4	6.4	6	6.2	5	7.7	5	9.0	5	11.8	4	5.8	4	11.5	4	6.4	5	69.6	4	111
150	6.7	6	4.9	4	4.3	5	4.5	5	8.5	3	8.6	5	7.5	5	10.5	5	9.3	5	11.0	4	42
200	9.7	5	9.4	5	5.3	6	5.3	5	6.7	6	5.9	6	9.9	5	7.9	5	9.6	5	9.4	5	42
250	5.2	3	3.2	1	3.4	6	4.4	5	5.0	4	5.6	5	9.9	4	10.1	5	8.7	4	6.8	5	50
300	3.2	3	5.0	5	4.2	4	6.1	6	7.2	6	5.1	6	8.2	6	5.7	6	9.5	5	14.7	5	67
350	9.8	5	7.0	5	4.4	5	5.0	6	9.6	5	10.4	5	11.4	5	12.9	5	8.8	4	9.1	5	70
400	7.2	5	6.2	6	7.6	5	7.6	5	7.7	6	7.6	5	11.8	5	7.7	4	8.2	6	10.6	5	81
450	6.6	5	10.3	6	6.3	4	8.6	5	6.1	5	6.2	4	7.4	4	5.0	5	4.2	4	9.4	5	83
500	5.1	5	4.9	5	5.8	6	5.9	4	7.3	6	6.9	5	6.8	5	9.0	5	8.9	6	9.6	5	79
550	5.9	5	4.9	5	3.7	4	4.4	6	3.7	5	4.6	5	5.2	5	3.6	4	5.5	5	6.3	5	88

POWERS ROUNDNESS INDEX



Beach Profile: Catacol end

Distance up beach (m)	Height difference (cm)	Accumulative Height (cm)	Granite Pebble size (cm)				
			1.0	2.0	3.0	4.0	5.0
1	18	18	8.8	5.8	5.4	4.7	4.2
2	8	26	11.7	5.7	7.4	11.4	5.0
3	10	36	15.3	9.2	9.2	9.6	11.9
4	7	43	9.3	11.3	10.0	12.5	8.8
5	14	57	8.6	9.5	9.8	9.2	11.8
6	8	65	8.3	9.3	9.7	9.1	13.4
7	14	79	11.3	8.1	14.3	11.2	0.8
8	0	79	8.9	13.5	11.5	12.3	10.5
9	14	93	9.9	9.8	11.7	6.9	10.0
10	7	100	12.7	9.1	11.5	9.0	8.8
11	4	104	12.7	9.6	9.6	15.4	12.3
12	9	113	10.3	8.2	9.2	5.0	15.3
13	4	117	10.6	2.5	8.0	4.8	8.1
14	6	123	5.1	4.4	13.4	5.1	4.9
15	10	133	9.3	4.3	6.3	8.0	10.0
16	5	138	8.1	8.8	8.6	8.1	9.9
17	10	148	6.4	6.0	10.8	7.5	11.9
18	11	159	6.0	8.4	9.6	7.5	10.5

Beach Profile: 350m (between Catacol and Lochranza)

Distance up beach (m)	Height difference (cm)	Accumulative Height (cm)	Granite Pebble size (cm)				
			1	2	3	4	5.0
1	6	6	1.0	6.7	8.6	10.1	5.4
2	7	13	6.4	7.2	4.4	6.1	2.1
3	6	19	7.8	8.5	9.1	4.4	8.5
4	11	30	10.7	13.8	9.9	8.2	3.5
5	13	43	2.5	11.1	9.9	7.3	10.2
6	12	55	5.7	9.5	4.3	6.4	8.2
7	14	69	6.2	4.2	8.5	9.0	2.6
8	23	92	5.2	7.3	3.8	8.2	10.0
9	17	109	6.7	1.5	4.9	2.8	1.9
10	28	137	2.4	1.8	2.2	4.7	2.4
11	25	162	4.5	2.5	2.6	1.2	3.8
12	31	193	4.0	1.4	5.2	2.6	1.8
13	6	199	2.7	4.5	3.5	2.5	2.8

Beach Profile: Lochranza end

Distance up beach (m)	Height difference (cm)	Accumulative Height (cm)	Granite Pebble size (cm)				
			1	2	3	4	5.0
1	17	17	6.9	3.1	8.3	5.8	6.0
2	20	37	5.8	3.5	5.3	5.8	4.4
3	24	61	6.2	6.2	4.7	4.6	5.2
4	16	77	4.1	4.6	4.1	2.9	4.3
5	8	85	2.2	6.9	4.7	2.3	5.1
6	10	95	4.6	3.0	2.1	2.0	2.2
	16	111	1.5	1.7	2.2	1.7	3.0