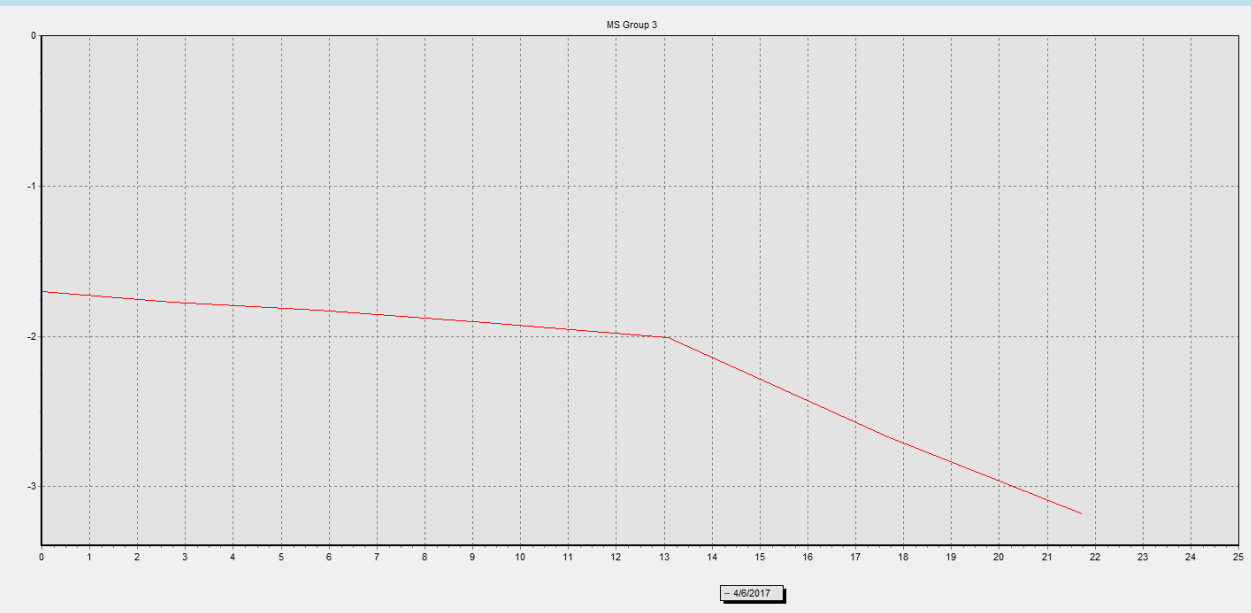


Beach Profile Presentation

LA PUNTA, CONDADO
2017

First Measurement Graph and Chart



Description:

Standard total vertical drop:

Max horizontal for graph:

Profiles: 4/27/2017
 4/21/2017
 4/6/2017 (Selected)

Profile | Profile Graphs | Table | Table Graphs

Profile date:

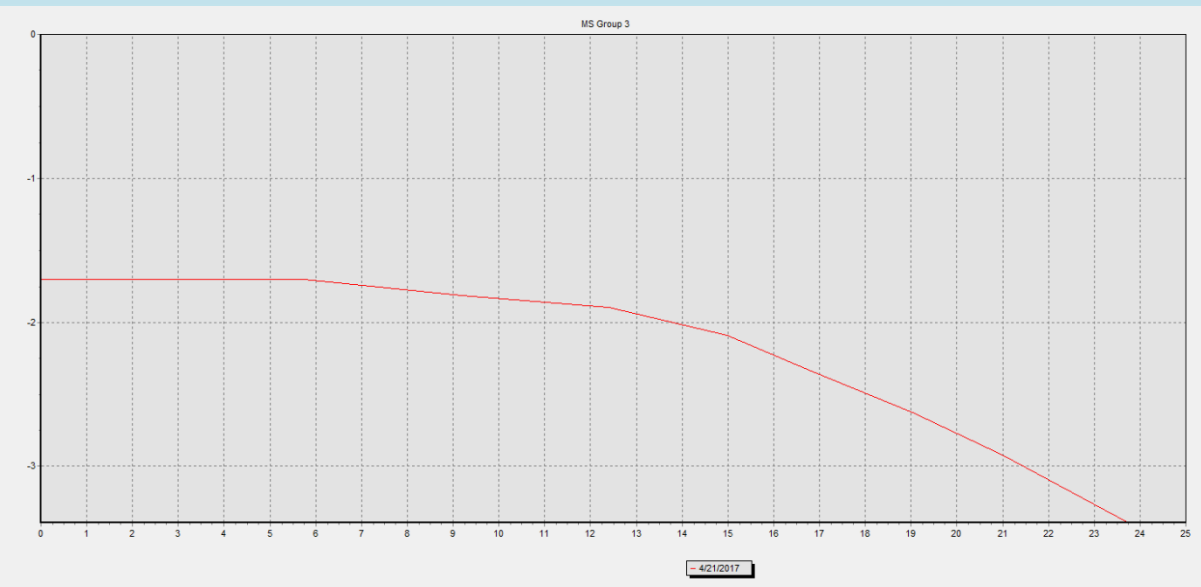
Distance - reference point to surface:

Area:

Width:

Segment	Distance	----- Angle -----		---- Cumulative ----	
	metres	degrees	minutes	Horizontal	Drop
Start	0	0	0	0	-1.702
a-b	2.72	-1	30	2.719	-1.773
b-c	3.04	-1	0	5.759	-1.826
c-d	3.5	-1	20	9.258	-1.908
d-e	3.83	-1	30	13.086	-2.008
e-f	4.63	-8	10	17.669	-2.666
f-g	4.1	-7	10	21.737	-3.177

Second Measurement Graph and Chart



Description: MS Group 3

Standard total vertical drop: 3.392

Profiles: 4/27/2017
 4/21/2017
 4/6/2017
 (check for Graphs - Selected)

Max horizontal for graph: 25

Profile | Profile Graphs | Table | Table Graphs

Profile date: 4/21/2017

Distance - reference point to surface: 1.702

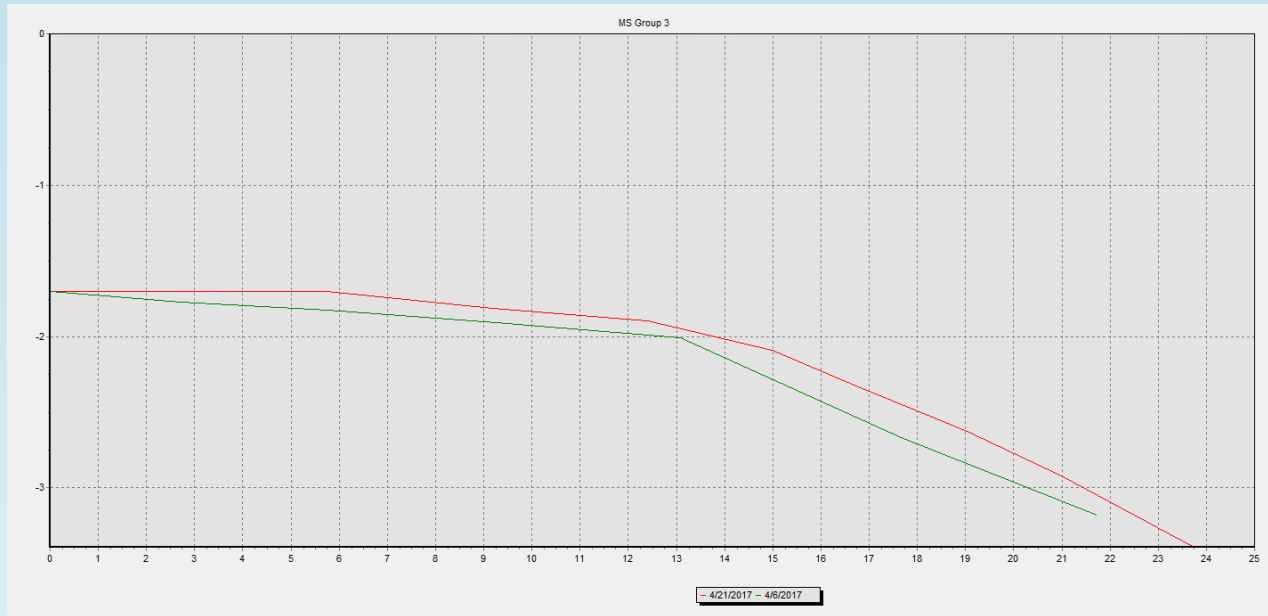
Fix Drop

Area: 29.909

Width: 23.743

Segment	Distance	Angle		Cumulative	
	metres	degrees	minutes	Horizontal	Drop
Start	0	0	0	0	-1.702
a-b	2.67	0	0	2.670	-1.702
b-c	3.08	0	0	5.750	-1.702
c-d	3.44	-1	50	9.188	-1.812
d-e	3.21	-1	30	12.397	-1.896
e-f	2.59	-4	20	14.980	-2.092
f-g	1.85	-7	40	16.813	-2.339
g-h	2.24	-7	20	19.035	-2.625
h-i	1.97	-8	40	20.982	-2.921
i-j	2.8	-9	40	23.743	-3.392

Comparison Graph 1 and 2



As shown by the comparison of the graphs, the beach gained sand and the slope started later. From the beginning of the graph, the two graphs had differences. The slope of the older graph (green) immediately experiences progressive steepness in slope, whilst the more recent one (red) does not begin to decrease until the 6th mark. It should also be noted that the slope of the green is considerably greater than the red, and that the beginning of the low tide is approximately one mark before that of the green.

Approximate slope green: $-1/7$

Approximate slope red: $-1/8$

Third Measurement Graph and Chart

Description: Profiles: 4/27/2017
 4/21/2017
 4/6/2017
 (check for Graphs - Selected)

Standard total vertical drop: Max horizontal for graph:

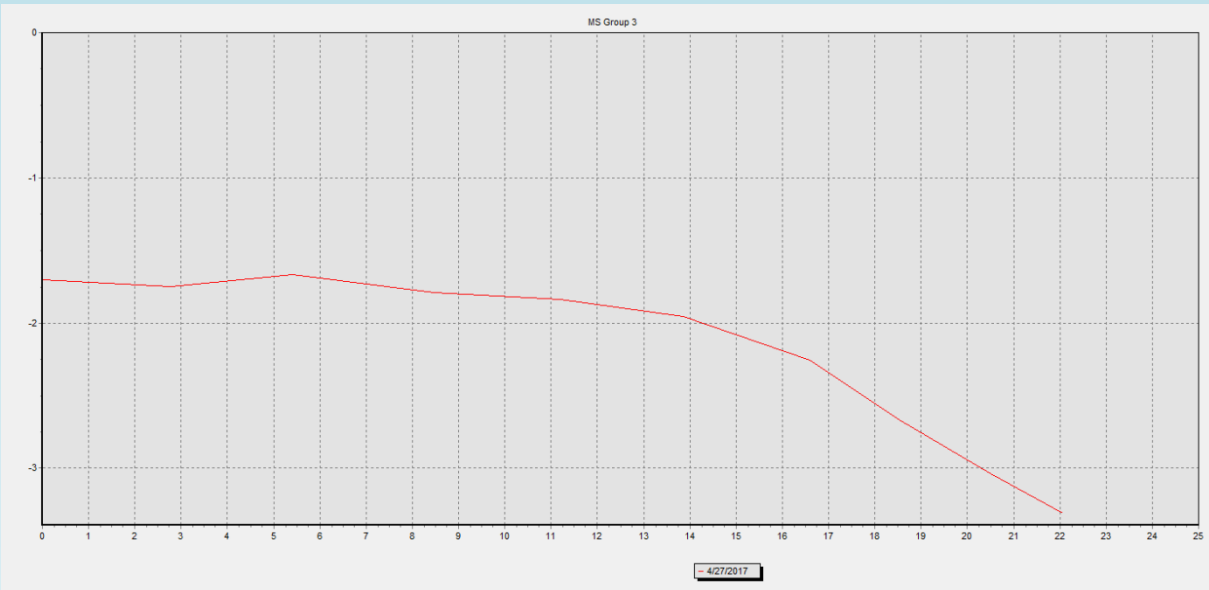
Profile | Profile Graphs | Table | Table Graphs

Profile date:

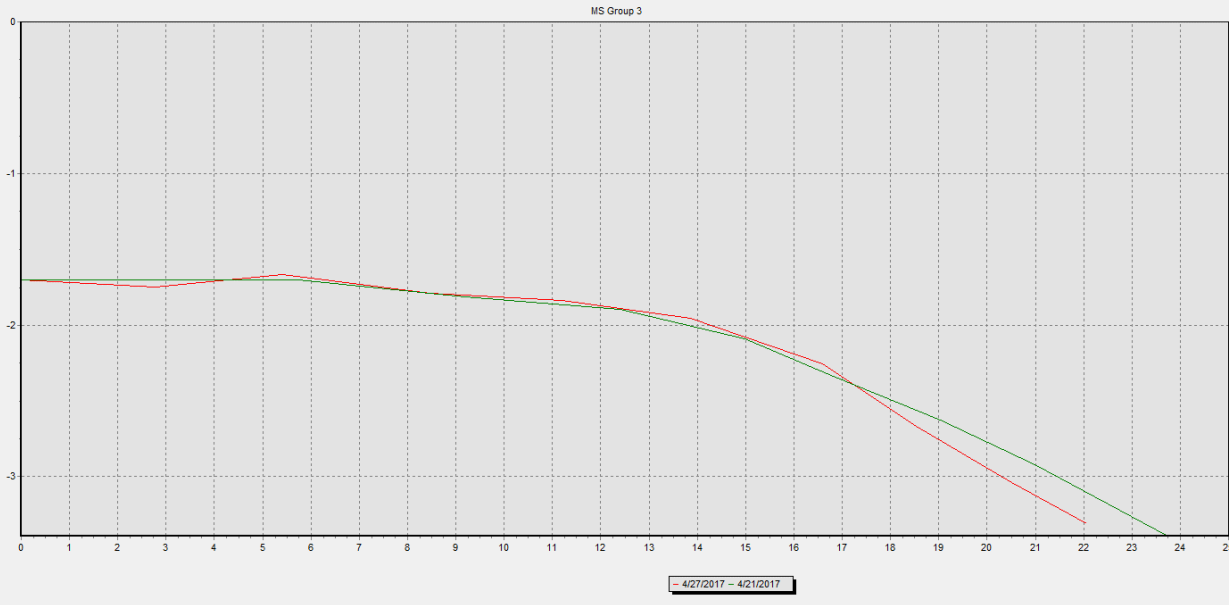
Distance - reference point to surface:

Area:
 Width:

Segment	Distance	----- Angle -----		---- Cumulative ----	
	metres	degrees	minutes	Horizontal	Drop
Start	0	0	0	0	-1.702
a-b	2.77	-1	0	2.770	-1.750
b-c	2.65	1	50	5.418	-1.666
c-d	3.04	-2	20	8.456	-1.789
d-e	2.74	-1	0	11.195	-1.837
e-f	2.66	-2	30	13.853	-1.953
f-g	2.75	-6	20	16.586	-2.257
g-h	1.99	-12	0	18.532	-2.670
h-i	2.01	-10	30	20.509	-3.037
i-j	1.57	-10	0	22.055	-3.309



Comparison Graph 2 and 3



Approximate slope green: $-1/6$

Approximate slope red: $-1/8$

The second and third graphs can be noted to be much more similar than the first and second. Thus, time was most likely in the same range. Major differences to be considered would be a negatively correlated change in slope in the red graph whilst the green remained constant until later. The green graph had a considerably more gradual slope than the red as well. Also, low tide began for the green graph began before the red, so it can be assumed that the slope is greater than that of the red.