

Mystery Detectives - Mystery Bathymetry

Station	Distance to Station 1 (miles)	Distance to Station 1 (kilometers)	Two-way travel time (seconds)	
1	0.00	0.0		
2	0.65	1.0		
3	1.11	1.8		
4	1.43	2.3		
5	1.75	2.8		
6	2.00	3.2		
7	2.24	3.6		
8	2.47	4.0		
9	2.68	4.3		
10	2.87	4.6		
11	3.06	4.9		
12	3.18	5.1		
13	3.30	5.3		
14	3.42	5.5		
15	3.50	5.6		
16	5.8	9.4	0.0667	
17	7.3	11.7	0.2000	
18	14.0	22.6	0.2667	
19	15.5	25.0	0.1333	
20	16.7	26.8	0.0667	
21	17.8	28.6		
22	18.2	29.2		
23	20.0	32.2		
24	26.6	42.8	0.0667	
25	27.0	43.4	0.1333	
26	27.4	44.0	0.2000	
27	28.5	45.8	0.3333	
28	29.6	47.6	0.4000	
29	30.0	48.2	0.3333	
30	31.5	50.6	0.2000	
31	31.9	51.2	0.1333	
32	32.2	51.9	0.0667	
33	33.5	53.9		
34	33.6	54.0		
35	35.6	57.3		
36	36.2	58.3		
37	36.4	58.5		
38	40.1	64.5	0.0667	
39	42.3	68.1	0.1333	
40	43.5	69.9	0.2000	
41	44.2	71.1	0.2667	
42	46.5	74.8	0.4000	
43	49.5	79.6	0.4000	
44	54.3	87.4	0.5333	
45	61.8	99.4	0.4667	
46	69.3	111.6	0.6000	
47	79.8	128.5	0.6000	
48	86.2	138.7	0.4667	
49	90.7	146.0	0.3333	
50	94.5	152.0	0.2000	
51	96.0	154.4	0.1333	
52	103.5	166.5	0.0667	
53	106.1	170.7	0.2000	
54	113.6	182.8	0.4000	
55	116.2	187.0	0.5333	
56	122.6	197.3	0.4667	
57	137.2	220.8	0.3333	
58	157.1	252.8	0.4000	
59	158.2	254.6	0.6000	
60	160.8	258.8	0.8667	
61	164.6	264.8	1.2667	
62	175.8	282.9	1.4000	

Depth of Dolphins (English)

At sea level

Depth of Dolphins (Metric)

At sea level

Speed of Sound in Seawater (English)

4,921 feet / second

Speed of Sound in Seawater (Metric)

1,500 meters / second

Palos Verdes (main land)
Above sea level

San Clemente Island
Above sea level

Catalina Island
Above sea level

Mystery Detectives – Mystery Topography

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography <http://earthguide.ucsd.edu>

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