

Project Summary and Description:

The Monterey Bay Aquarium Research Institute (MBARI) has installed a scientific submarine cable in Monterey Bay offshore the MBARI facilities at Moss Landing, Monterey County, California. It consists of approximately 32 miles of submarine cable that is buried along the majority of the route, and will have a science node (metal frame) and instruments at the end of the cable in a depth of approximately 2920 feet on the ocean floor on a formation known as Smooth Ridge. The location of the entire project is shown on the image below.

The science node will enable scientists to make many different measurements including those associated with global warming, the detection of earthquakes off the coast, and to gain data on individual whale migrations.

Cable location:

The coordinates of the installed route for the cable are listed in the Route Position List (RPL) below, along with an image of the cable route. (The image is not intended for navigation purposes.)

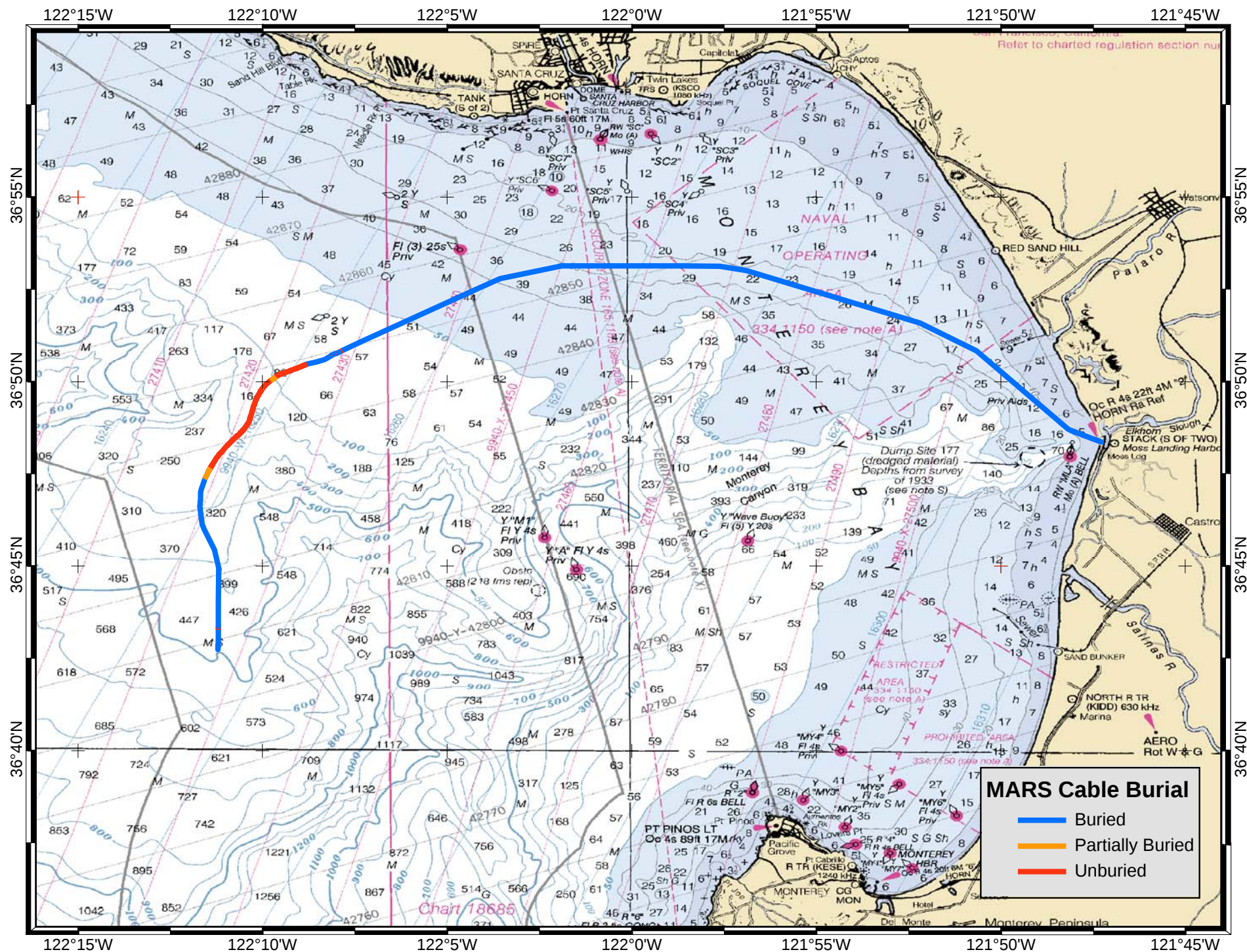
The image also shows areas where the cable is:

- partially buried (orange)
- unburied (red)
- fully buried (blue)

Contact Information:

If you have any questions or need to speak with someone regarding this project, please contact:

Steve Etchemendy, Director of Marine Operations
7700 Sandholdt Road
Moss Landing, California, 95039
Phone (831-775-1900) or (866-830-0169)
Fax (831-775-1645)



The MARS cable route is indicated by the colored line from Moss Landing, CA out into Monterey Bay. Blue portions are buried, orange portions are partially buried, and red portions are unburied sections of cable. (Image is not intended for navigational purposes.)

MBARI MARS Installed Cable Route

LINE NO.	LATITUDE	LONGITUDE	BURIAL DEPTH (Feet)	WATER DEPTH (Feet)
1.	36° 48.369' N	121° 47.277' W		0.0
2.	36° 48.369' N	121° 47.277' W		0.0
3.	36° 48.607' N	121° 47.912' W		66
4.	36° 48.650' N	121° 48.025' W	4.9	72
5.	36° 48.680' N	121° 48.101' W	2.5	72
6.	36° 48.706' N	121° 48.159' W	2.2	72
7.	36° 48.739' N	121° 48.204' W	3.6	69
8.	36° 50.769' N	121° 50.585' W	3.8	89
9.	36° 50.832' N	121° 50.659' W	2.2	89
10.	36° 51.585' N	121° 52.181' W	2.2	125
11.	36° 53.009' N	121° 56.900' W	3.6	112
12.	36° 53.127' N	121° 57.611' W	2.6	112
13.	36° 53.134' N	121° 58.619' W	2.6	141
14.	36° 53.144' N	122° 01.901' W	2.6	197
15.	36° 52.798' N	122° 03.565' W	4.4	246
16.	36° 52.479' N	122° 04.263' W	4.6	272
17.	36° 51.093' N	122° 07.302' W	4.7	348
18.	36° 50.720' N	122° 08.117' W	3.1	371
19.	36° 50.609' N	122° 08.313' W	1.9	381
20.	36° 50.531' N	122° 08.547' W	3.0	387
21.	36° 50.494' N	122° 08.746' W	2.2	404
22.	36° 50.435' N	122° 08.900' W	2.0	404
23.	36° 50.356' N	122° 09.095' W	0	430
24.	36° 50.231' N	122° 09.450' W	0	561
25.	36° 50.221' N	122° 09.482' W	0	561
26.	36° 50.203' N	122° 09.530' W	0	627
27.	36° 50.149' N	122° 09.631' W	0	702
28.	36° 50.027' N	122° 09.786' W	0	879
29.	36° 49.919' N	122° 09.906' W	0	984
30.	36° 49.817' N	122° 10.002' W	0	1033
31.	36° 49.740' N	122° 10.055' W	0	1024
32.	36° 49.525' N	122° 10.173' W	0	1040
33.	36° 49.374' N	122° 10.229' W	0	1093
34.	36° 49.174' N	122° 10.290' W	0	1152
35.	36° 48.892' N	122° 10.382' W	0	1201
36.	36° 48.750' N	122° 10.471' W	0	1220
37.	36° 48.623' N	122° 10.587' W	0	1250
38.	36° 48.450' N	122° 10.779' W	0	1335
39.	36° 48.258' N	122° 10.967' W	0	1407
40.	36° 48.036' N	122° 11.165' W	0	1424
41.	36° 47.941' N	122° 11.235' W	0	1447
42.	36° 47.579' N	122° 11.465' W	1.6	1503
43.	36° 47.357' N	122° 11.568' W	1.6	1516
44.	36° 47.326' N	122° 11.572' W	2.3	1562
45.	36° 47.087' N	122° 11.662' W	2.6	1621
46.	36° 46.991' N	122° 11.680' W	2.0	1644
47.	36° 46.777' N	122° 11.683' W	2.3	1713
48.	36° 46.754' N	122° 11.694' W	3.9	1722
49.	36° 46.677' N	122° 11.695' W	1.5	1742
50.	36° 46.628' N	122° 11.705' W	2.3	1765
51.	36° 46.143' N	122° 11.634' W	1.1	1978
52.	36° 46.011' N	122° 11.584' W	2.3	2047
53.	36° 45.441' N	122° 11.304' W	0.3	2365
54.	36° 44.891' N	122° 11.185' W	0.3	2497
55.	36° 44.026' N	122° 11.194' W	0.3	2579
56.	36° 43.442' N	122° 11.195' W	0.3	2684
57.	36° 42.801' N	122° 11.206' W	0.6	2887
58.	36° 42.740' N	122° 11.210' W	0.0	2907