

## Constant Contact Survey Results

**Survey Name:** MBNMS Diver Survey December 2018

**Response Status:** Partial & Completed

**Filter:** None

8/16/2018 2:29 PM PDT

**TextBlock:**

Please share your experiences or thoughts regarding SCUBA diving within Monterey Bay National Marine Sanctuary. Some of the questions are duplicated from the last survey in an effort to measure change. Other questions are designed to gain input from the dive community on topics that have been raised by the Sanctuary Staff and Advisory Council Members. Thank you for your help.  
 Brian and Keith

In your opinion has the level of communication and presence of Marine Sanctuary representation increasing or decreasing?

Answer	0%	100%	Number of Response(s)	Response Ratio
Increased			71	55.4 %
Decreased			14	10.9 %
Other			37	28.9 %
No Response(s)			6	4.6 %
<b>Totals</b>			<b>128</b>	<b>100%</b>

Do you attend dive shop meetings, dive club meetings, or local dive shows? If so please explain in the free text area.

Answer	0%	100%	Number of Response(s)	Response Ratio
Yes			54	42.1 %
No			72	56.2 %
No Response(s)			2	1.5 %
<b>Totals</b>			<b>128</b>	<b>100%</b>

In your opinion does the presence of Monterey Bay National Marine Sanctuary have an overall positive or negative effect of the underwater environment?

Answer	0%	100%	Number of Response(s)	Response Ratio
Positive			111	86.7 %
Negative			1	<1 %
Do not know			15	11.7 %
No Response(s)			1	<1 %
<b>Totals</b>			<b>128</b>	<b>100%</b>



Please rate your level of satisfaction with each of the following aspects of Monterey Bay National Marine Sanctuary.


1 = Very dissatisfied, 2 = Somewhat dissatisfied, 3 = Neutral, 4 = Somewhat satisfied, 5 = Very satisfied








Answer	1	2	3	4	5	Number of Response(s)	Rating Score*
Public Education						119	3.7
Community Outreach						118	3.6
Conservation Efforts						120	4.0
Managing natural resources in conjunction human interaction						121	3.7
Is responsive to public comments						120	3.4
Easy to communicate with						116	3.5
Responds to environmental needs						118	3.7

\*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.




Purple urchins (*Strongylocentrotus pupuratus*) transformed many Monterey and Carmel kelp forests into urchin barrens. Beginning in 2014 observed populations of purple urchins have increased significantly and giant kelp densities have decreased significantly. Openly grazing purple urchins can live for more than a year without eating, can eat from the water, and recruit urchin larvae to the hard substrate. Urchin barrens are considered a decadal alternative stable state, meaning they could last for more than 10-  
 \*years. (These statements remain undisputed). There are ongoing efforts in Southern California and Northern California to clear some of the impacted areas. This effort is not meant to change the issue but to mitigate small areas in an effort to retain some of the displaced marine species normally found in our local kelp forests until more science leads the Marine Life Professionals to clearer answers. This survey question is asking for your "current" opinion if we should take a specific action at this time in Monterey and Carmel near coastal areas.?

Answer	0%	100%	Number of Response(s)	Response Ratio
Yes, I support removal efforts with the proper permits			107	83.5 %
Maybe, I want additional supporting scientific studies of the problem and advice			20	15.6 %
No, this is a natural process and we should only observe what happens			1	<1 %
No Response(s)			0	0.0 %
<b>Totals</b>			<b>128</b>	<b>100%</b>

It is very difficult to make habitat changes in an underwater environment. Have no illusions that efforts to  remove purple urchins and restore kelp forests in specific areas will be difficult and repetitive to manage urchin densities. To reduce urchin barrens and restore kelp forest in specific areas would you be willing to:

Answer	0%	100%	Number of Response(s)	Response Ratio
Clear urchin barrens by culling urchins			91	71.6 %
Clear urchin barrens, but only removing them and disposing them in landfill or as fertilizer			50	39.3 %
Participate in underwater monitoring protocols and data collection efforts			85	66.9 %
Participate in volunteer condition assessment surveys by locating and assessing the conditions of urchin barrens			69	54.3 %
Help organize removal, monitoring and/or data analysis efforts topside.			36	28.3 %
Donate money to organizations working on removal efforts			36	28.3 %
I am not willing to help with removal efforts			8	6.2 %
<b>Totals</b>			<b>127</b>	<b>100%</b>

Should Monterey Bay National Marine Sanctuary consider an artificial reef program within the sanctuary boundaries?

Answer	0%	100%	Number of Response(s)	Response Ratio
No			17	13.2 %
Yes			104	81.2 %
Other			7	5.4 %
No Response(s)			0	0.0 %
<b>Totals</b>			<b>128</b>	<b>100%</b>

What topics would you like to see included in future Sanctuary Planning or would like the diver representatives to address with Sanctuary staff?

38 Response(s)

What suggestions do you have for the diver representatives (Keith and Brian) to better support or enhance the communication between the diving community and the Sanctuary Staff?

28 Response(s)

Do you own or operate an on-the-water business, if so do you mention the protected waters of Monterey Bay National Marine Sanctuary?

Answer	0%	100%	Number of Response(s)	Response Ratio
No			109	95.6 %
Yes, If so do you include the Monterey National Marine Sanctuary in your business marketing?			5	4.3 %
<b>Totals</b>			<b>114</b>	<b>100%</b>









\*Please enter your diving profile information

1 = Yes, 2 = No, 3 = Less than 4, 4 = 5 - 10, 5 = More than 10

Answer	1	2	3	4	5	Number of Response(s)	Rating Score*
Average total dives per year						126	4.7
Shore dives per year						126	4.0
Boat dives per year						126	4.4
Are you employed in the dive industry (Yes or No)						126	1.9
Photographer (Yes or No)						126	1.4
Hunter (Yes or No)						126	1.9
Technical Deep Diver (Yes or No)						126	1.9
Recreational Sport Diver (Yes or No)						126	1.2

\*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

How did you learn about Monterey Bay National Marine Sanctuary? Please select all that apply.

Answer	0%	100%	Number of Response(s)	Response Ratio
Friend or colleague			40	31.7 %
Email communication			58	46.0 %
Diving Instructor			17	13.4 %
Through another organization			16	12.6 %
Dive store			19	15.0 %
Internet search (google, yahoo, etc.)			16	12.6 %
Social media site (Facebook, LinkedIn, etc.)			8	6.3 %
Other			31	24.6 %
<b>Totals</b>			<b>126</b>	<b>100%</b>

**TextBlock:**

Thank you for taking time to fill out the 2018 Diver survey. Your input and comments are appreciated. The views, questions, and comments are those of Keith Rootsart and Brian Nelson and do not necessarily represent NOAA or MBNMS. Thank you once again thank you for your participation.