

IRS e-file Signature Authorization for an Exempt Organization

For calendar year 2016, or fiscal year beginning OCT 1, 2016, and ending SEP 30, 2017

2016

Department of the Treasury Internal Revenue Service

Do not send to the IRS. Keep for your records.

Information about Form 8879-EO and its instructions is at www.irs.gov/form8879eo.

Name of exempt organization

Employer identification number

MOTE MARINE LABORATORY, INC.

59-0756643

Name and title of officer

MICHAEL P. CROSBY, PH.D.

CEO

Part I Type of Return and Return Information (Whole Dollars Only)

Check the box for the return for which you are using this Form 8879-EO and enter the applicable amount, if any, from the return. If you check the box on line 1a, 2a, 3a, 4a, or 5a, below, and the amount on that line for the return being filed with this form was blank, then leave line 1b, 2b, 3b, 4b, or 5b, whichever is applicable, blank (do not enter -0-). But, if you entered -0- on the return, then enter -0- on the applicable line below. Do not complete more than 1 line in Part I.

Table with 5 rows (1a-5a) and 2 columns (b Total revenue, b Total tax, b Tax based on investment income, b Balance Due). Includes handwritten amounts like 22,201,070.

Part II Declaration and Signature Authorization of Officer

Under penalties of perjury, I declare that I am an officer of the above organization and that I have examined a copy of the organization's 2016 electronic return and accompanying schedules and statements and to the best of my knowledge and belief, they are true, correct, and complete. I further declare that the amount in Part I above is the amount shown on the copy of the organization's electronic return. I consent to allow my intermediate service provider, transmitter, or electronic return originator (ERO) to send the organization's return to the IRS and to receive from the IRS (a) an acknowledgement of receipt or reason for rejection of the transmission, (b) the reason for any delay in processing the return or refund, and (c) the date of any refund. If applicable, I authorize the U.S. Treasury and its designated Financial Agent to initiate an electronic funds withdrawal (direct debit) entry to the financial institution account indicated in the tax preparation software for payment of the organization's federal taxes owed on this return, and the financial institution to debit the entry to this account. To revoke a payment, I must contact the U.S. Treasury Financial Agent at 1-888-353-4537 no later than 2 business days prior to the payment (settlement) date. I also authorize the financial institutions involved in the processing of the electronic payment of taxes to receive confidential information necessary to answer inquiries and resolve issues related to the payment. I have selected a personal identification number (PIN) as my signature for the organization's electronic return and, if applicable, the organization's consent to electronic funds withdrawal.

Officer's PIN: check one box only

[X] I authorize KERKERING, BARBERIO & CO. to enter my PIN 49830. Enter five numbers, but do not enter all zeros.

as my signature on the organization's tax year 2016 electronically filed return. If I have indicated within this return that a copy of the return is being filed with a state agency(ies) regulating charities as part of the IRS Fed/State program, I also authorize the aforementioned ERO to enter my PIN on the return's disclosure consent screen.

[] As an officer of the organization, I will enter my PIN as my signature on the organization's tax year 2016 electronically filed return. If I have indicated within this return that a copy of the return is being filed with a state agency(ies) regulating charities as part of the IRS Fed/State program, I will enter my PIN on the return's disclosure consent screen.

Officer's signature [Signature] Date 6/27/18

Part III Certification and Authentication

ERO's EFIN/PIN. Enter your six-digit electronic filing identification number (EFIN) followed by your five-digit self-selected PIN.

65021619908 do not enter all zeros

I certify that the above numeric entry is my PIN, which is my signature on the 2016 electronically filed return for the organization indicated above. I confirm that I am submitting this return in accordance with the requirements of Pub. 4163, Modernized e-File (MeF) Information for Authorized IRS e-file Providers for Business Returns.

ERO's signature [Signature] Date 6/27/18

ERO Must Retain This Form - See Instructions Do Not Submit This Form To the IRS Unless Requested To Do So

EXTENDED TO AUGUST 15, 2018

Form **990**

Return of Organization Exempt From Income Tax
Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

OMB No. 1545-0047

2016

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

▶ Do not enter social security numbers on this form as it may be made public.
▶ Information about Form 990 and its instructions is at www.irs.gov/form990.

A For the 2016 calendar year, or tax year beginning **OCT 1, 2016** and ending **SEP 30, 2017**

B Check if applicable: <input type="checkbox"/> Address change <input type="checkbox"/> Name change <input type="checkbox"/> Initial return <input type="checkbox"/> Final return/terminated <input type="checkbox"/> Amended return <input type="checkbox"/> Application pending	C Name of organization MOTE MARINE LABORATORY, INC.		D Employer identification number 59-0756643
	Doing business as		E Telephone number (941) 388-4441
	Number and street (or P.O. box if mail is not delivered to street address)	Room/suite	G Gross receipts \$ 23,576,953.
	1600 KEN THOMPSON PARKWAY		H(a) Is this a group return for subordinates? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
City or town, state or province, country, and ZIP or foreign postal code SARASOTA, FL 34236		H(b) Are all subordinates included? <input type="checkbox"/> Yes <input type="checkbox"/> No If "No," attach a list. (see instructions)	
F Name and address of principal officer: MICHAEL P. CROSBY, PH.D. SAME AS C ABOVE		H(c) Group exemption number ▶	
I Tax-exempt status: <input checked="" type="checkbox"/> 501(c)(3) <input type="checkbox"/> 501(c) () ◀ (insert no.) <input type="checkbox"/> 4947(a)(1) or <input type="checkbox"/> 527			
J Website: ▶ WWW.MOTE.ORG			
K Form of organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Trust <input type="checkbox"/> Association <input type="checkbox"/> Other ▶			L Year of formation: 1955
			M State of legal domicile: FL

Part I Summary

Activities & Governance	1 Briefly describe the organization's mission or most significant activities: ADVANCING THE SCIENCE OF THE SEA THROUGH RESEARCH, EDUCATION AND OUTREACH.	
	2 Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets.	
	3 Number of voting members of the governing body (Part VI, line 1a)	30
	4 Number of independent voting members of the governing body (Part VI, line 1b)	29
	5 Total number of individuals employed in calendar year 2016 (Part V, line 2a)	254
	6 Total number of volunteers (estimate if necessary)	1698
	7a Total unrelated business revenue from Part VIII, column (C), line 12	0.
b Net unrelated business taxable income from Form 990-T, line 34	0.	
Revenue	8 Contributions and grants (Part VIII, line 1h)	Prior Year: 3,276,438. Current Year: 8,298,235.
	9 Program service revenue (Part VIII, line 2g)	10,520,753. 13,380,425.
	10 Investment income (Part VIII, column (A), lines 3, 4, and 7d)	-13,474. 10,260.
	11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	547,951. 512,150.
	12 Total revenue - add lines 8 through 11 (must equal Part VIII, column (A), line 12)	14,331,668. 22,201,070.
Expenses	13 Grants and similar amounts paid (Part IX, column (A), lines 1-3)	355,326. 406,075.
	14 Benefits paid to or for members (Part IX, column (A), line 4)	0. 0.
	15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10)	8,246,496. 11,724,077.
	16a Professional fundraising fees (Part IX, column (A), line 11e)	0. 31,500.
	b Total fundraising expenses (Part IX, column (D), line 25) ▶ 1,265,757.	
17 Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e)	7,358,950. 9,929,900.	
18 Total expenses. Add lines 13-17 (must equal Part IX, column (A), line 25)	15,960,772. 22,091,552.	
19 Revenue less expenses. Subtract line 18 from line 12	-1,629,104. 109,518.	
Net Assets or Fund Balances	20 Total assets (Part X, line 16)	Beginning of Current Year: 51,490,761. End of Year: 56,298,534.
	21 Total liabilities (Part X, line 26)	17,352,523. 21,014,427.
	22 Net assets or fund balances. Subtract line 21 from line 20	34,138,238. 35,284,107.

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here	Signature of officer		Date
	MICHAEL P. CROSBY, PH.D., CEO Type or print name and title		
Paid Preparer Use Only	Print/Type preparer's name	Preparer's signature	Date
	REBECCA U. STONER		
	Firm's name ▶ KERKERING, BARBERIO & CO.	Firm's EIN ▶ 59-1753337	Check if self-employed <input type="checkbox"/> PTIN P00585910
	Firm's address ▶ P.O. BOX 49348 SARASOTA, FL 34230-6348	Phone no. 941-365-4617	

May the IRS discuss this return with the preparer shown above? (see instructions) Yes No

Part III Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III [X]

1 Briefly describe the organization's mission: THE ADVANCEMENT OF MARINE AND ENVIRONMENTAL SCIENCES THROUGH SCIENTIFIC RESEARCH, EDUCATION AND PUBLIC OUTREACH, LEADING NEW DISCOVERIES, REVITALIZATION AND SUSTAINABILITY OF OUR OCEANS AND GREATER PUBLIC UNDERSTANDING OF OUR MARINE RESOURCES.

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? [] Yes [X] No

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? [] Yes [X] No

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported.

4a (Code:) (Expenses \$ 10,497,304. including grants of \$ 178,714.) (Revenue \$ 5,906,380.) SEE SCHEDULE O:

4b (Code:) (Expenses \$ 3,831,142. including grants of \$) (Revenue \$ 4,218,358.) SEE SCHEDULE O:

4c (Code:) (Expenses \$ 1,174,488. including grants of \$ 103,316.) (Revenue \$ 574,314.) SEE SCHEDULE O:

4d Other program services (Describe in Schedule O.) (Expenses \$ 2,844,759. including grants of \$ 124,045.) (Revenue \$ 2,681,373.)

4e Total program service expenses 18,347,693.

Part IV Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? <i>If "Yes," complete Schedule A</i>	X	
2 Is the organization required to complete Schedule B, Schedule of Contributors?	X	
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I</i>		X
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? <i>If "Yes," complete Schedule C, Part II</i>	X	
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? <i>If "Yes," complete Schedule C, Part III</i>		X
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? <i>If "Yes," complete Schedule D, Part I</i>		X
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? <i>If "Yes," complete Schedule D, Part II</i>		X
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III</i>		X
9 Did the organization report an amount in Part X, line 21, for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X; or provide credit counseling, debt management, credit repair, or debt negotiation services? <i>If "Yes," complete Schedule D, Part IV</i>		X
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V</i>	X	
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? <i>If "Yes," complete Schedule D, Part VI</i>	X	
b Did the organization report an amount for investments - other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VII</i>		X
c Did the organization report an amount for investments - program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VIII</i>		X
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part IX</i>	X	
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X</i>	X	
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? <i>If "Yes," complete Schedule D, Part X</i>	X	
12a Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI and XII</i>	X	
b Was the organization included in consolidated, independent audited financial statements for the tax year? <i>If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional</i>		X
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E</i>		X
14a Did the organization maintain an office, employees, or agents outside of the United States?		X
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? <i>If "Yes," complete Schedule F, Parts I and IV</i>	X	
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? <i>If "Yes," complete Schedule F, Parts II and IV</i>		X
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? <i>If "Yes," complete Schedule F, Parts III and IV</i>		X
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? <i>If "Yes," complete Schedule G, Part I</i>	X	
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? <i>If "Yes," complete Schedule G, Part II</i>	X	
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III</i>		X

Part IV Checklist of Required Schedules (continued)

	Yes	No
20a Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H</i>		X
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		
21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II</i>	X	
22 Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i>	X	
23 Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i>	X	
24a Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a</i>		X
b Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?		
c Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?		
d Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?		
25a Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I</i>		X
b Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I</i>		X
26 Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? <i>If "Yes," complete Schedule L, Part II</i>		X
27 Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i>		X
28 Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):		
a A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>		X
b A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>		X
c An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i>		X
29 Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>	X	
30 Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i>		X
31 Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i>		X
32 Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i>		X
33 Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i>		X
34 Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i>	X	
35a Did the organization have a controlled entity within the meaning of section 512(b)(13)?		X
b If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2</i>		
36 Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i>		X
37 Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i>		X
38 Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19?	X	

Note. All Form 990 filers are required to complete Schedule O

Part V Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response or note to any line in this Part V

		Yes	No
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable		
1a	162		
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable		
1b	0		
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	X	
2a	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return		
2a	254		
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note. If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions)	X	
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year?		X
3b	If "Yes," has it filed a Form 990-T for this year? If "No," to line 3b, provide an explanation in Schedule O		
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?		X
b	If "Yes," enter the name of the foreign country: See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).		
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?		X
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		X
c	If "Yes," to line 5a or 5b, did the organization file Form 8886-T?		
6a	Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?		X
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		
7	Organizations that may receive deductible contributions under section 170(c).		
a	Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?	X	
b	If "Yes," did the organization notify the donor of the value of the goods or services provided?	X	
c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		X
d	If "Yes," indicate the number of Forms 8282 filed during the year		
7d			
e	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?		X
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		X
g	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		
7g			
h	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?	X	
7h			
8	Sponsoring organizations maintaining donor advised funds. Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year?		
8			
9	Sponsoring organizations maintaining donor advised funds.		
a	Did the sponsoring organization make any taxable distributions under section 4966?		
9a			
b	Did the sponsoring organization make a distribution to a donor, donor advisor, or related person?		
9b			
10	Section 501(c)(7) organizations. Enter:		
a	Initiation fees and capital contributions included on Part VIII, line 12		
10a			
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities		
10b			
11	Section 501(c)(12) organizations. Enter:		
a	Gross income from members or shareholders		
11a			
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them.)		
11b			
12a	Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?		
12a			
b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year		
12b			
13	Section 501(c)(29) qualified nonprofit health insurance issuers.		
a	Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O.		
13a			
b	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans		
13b			
c	Enter the amount of reserves on hand		
13c			
14a	Did the organization receive any payments for indoor tanning services during the tax year?		X
14a			
b	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O		
14b			

Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to line 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.

Check if Schedule O contains a response or note to any line in this Part VI [X]

Section A. Governing Body and Management

Table with columns for line numbers (1a, 1b, 2-9), descriptions of questions, and Yes/No columns. Includes questions about voting members, family relationships, management delegation, and documentation.

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code)

Table with columns for line numbers (10a-16b), descriptions of questions, and Yes/No columns. Includes questions about local chapters, conflict of interest policies, whistleblower policies, and compensation reviews.

Section C. Disclosure

- 17 List the states with which a copy of this Form 990 is required to be filed FL
18 Section 6104 requires an organization to make its Forms 1023 (or 1024 if applicable), 990, and 990-T (Section 501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply. [X] Own website [] Another's website [X] Upon request [] Other (explain in Schedule O)
19 Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year.
20 State the name, address, and telephone number of the person who possesses the organization's books and records: DENA SMITH @ MOTE MARINE LABORATORY - 941-388-4441 1600 KEN THOMPSON PARKWAY, SARASOTA, FL 34236

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Check if Schedule O contains a response or note to any line in this Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

1a Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year.

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
- List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."
- List the organization's five **current** highest compensated employees (other than an officer, director, trustee, or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
- List all of the organization's **former** officers, key employees, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
- List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons.

Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee.

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(1) ALAN ROSE TRUSTEE	5.00	X						0.	0.	0.
(2) ARTHUR ARMITAGE CHAIRMAN EMERITUS	5.00	X						0.	0.	0.
(3) CHUCK SMITH TRUSTEE	5.00	X						0.	0.	0.
(4) DEAN EISNER TRUSTEE	5.00	X						0.	0.	0.
(5) ELIZABETH MOORE TRUSTEE	5.00	X						0.	0.	0.
(6) EUGENE BECKSTEIN CHAIRMAN EMERITUS	5.00	X						0.	0.	0.
(7) FREDERICK M. DERR, P.E. CHAIRMAN EMERITUS	5.00	X						0.	0.	0.
(8) G. LOWE MORRISON PAST CHAIRMAN	5.00	X						0.	0.	0.
(9) HOWARD SEIDER, JR., M.D. TRUSTEE	5.00	X						0.	0.	0.
(10) JEANIE STEVENSON TRUSTEE	5.00	X						0.	0.	0.
(11) JOHN DART TRUSTEE	5.00	X						0.	0.	0.
(12) JUDY GRAHAM CHAIRMAN EMERITUS	5.00	X						0.	0.	0.
(13) KIRK MALCOLM TRUSTEE	5.00	X						0.	0.	0.
(14) MAURICE CUNNIFFE TRUSTEE	5.00	X						0.	0.	0.
(15) MICKEY CALLANEN TRUSTEE	5.00	X						0.	0.	0.
(16) PENELOPE KINGMAN TRUSTEE	5.00	X						0.	0.	0.
(17) RANDE RIDENOUR TRUSTEE	5.00	X						0.	0.	0.

Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations below line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(18) RICHARD O. DONEGAN TRUSTEE	5.00	X						0.	0.	0.
(19) ROBERT CARTER CHAIRMAN EMERITUS	5.00	X						0.	0.	0.
(20) ROGAN DONNELLY TRUSTEE	5.00	X						0.	0.	0.
(21) RONALD CIARAVELLA TRUSTEE	5.00	X						0.	0.	0.
(22) SANDI STUART TRUSTEE	5.00	X						0.	0.	0.
(23) SCOTT COLLINS TRUSTEE	5.00	X						0.	0.	0.
(24) SUSAN C. GILMORE TRUSTEE	5.00	X						0.	0.	0.
(25) TRUDO LETSCHERT TRUSTEE	5.00	X						0.	0.	0.
(26) ROBERT ESSNER CHAIRMAN	5.00	X		X				0.	0.	0.
1b Sub-total								0.	0.	0.
c Total from continuation sheets to Part VII, Section A								1,261,650.	5,500.	135,836.
d Total (add lines 1b and 1c)								1,261,650.	5,500.	135,836.

2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization **14**

	Yes	No
3 Did the organization list any former officer, director, or trustee, key employee, or highest compensated employee on line 1a? If "Yes," complete Schedule J for such individual		X
4 For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? If "Yes," complete Schedule J for such individual	X	
5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? If "Yes," complete Schedule J for such person		X

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization. Report compensation for the calendar year ending with or within the organization's tax year.

(A) Name and business address	(B) Description of services	(C) Compensation
WILLIS A. SMITH CONSTRUCTION, INC., 5001 LAKEWOOD RANCH BLVD N, SARASOTA, FL 34240	BUILDING CONTRACTOR	528,796.
SARASOTA BAY EXPLORERS 1923 LINCOLN DRIVE, SARASOTA, FL 34236	ECO-TOURISM BOAT TOURS	527,546.
PARADISE ADVERTISING AND MARKETING, INC, 150 2ND AVE N., STE. 800, SAINT	ADVERTISING	407,004.
MANCINI DINERS 4411 BEAUCHAMP COURT, SARASOTA, FL 34243	FOOD SERVICE	401,965.
JANI-KING OF TAMPA BAY 2469 SUNSET POINT RD, CLEARWATER, FL 33765	JANITORIAL SERVICES	206,325.

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization **5**

SEE PART VII, SECTION A CONTINUATION SHEETS

Part VIII Statement of Revenue

Check if Schedule O contains a response or note to any line in this Part VIII

			(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514	
Contributions, Gifts, Grants and Other Similar Amounts	1 a	Federated campaigns					
	b	Membership dues					
	c	Fundraising events	290,876.				
	d	Related organizations	935,582.				
	e	Government grants (contributions)					
	f	All other contributions, gifts, grants, and similar amounts not included above	7,071,777.				
	g	Noncash contributions included in lines 1a-1f: \$	505,457.				
	h	Total. Add lines 1a-1f		8,298,235.			
Program Service Revenue			Business Code				
	2 a	RESEARCH	541700	5,906,380.	5,906,380.		
	b	AQUARIUM	713990	4,218,358.	4,218,358.		
	c	MEMBERSHIPS	900099	960,630.	960,630.		
	d	PROTECT OUR REEFS - LICENSE PLATE	900099	948,473.	948,473.		
	e	EDUCATION AND DISTANCE LEARNING	611710	574,314.	574,314.		
	f	All other program service revenue	900099	772,270.	772,270.		
g	Total. Add lines 2a-2f		13,380,425.				
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts)		6,691.		6,691.	
	4	Income from investment of tax-exempt bond proceeds					
	5	Royalties					
	6 a			(i) Real	(ii) Personal		
		Gross rents					
		Less: rental expenses					
		Rental income or (loss)					
	d	Net rental income or (loss)					
	7 a			(i) Securities	(ii) Other		
		Gross amount from sales of assets other than inventory		556,309.	144,200.		
		Less: cost or other basis and sales expenses		554,440.	142,500.		
		Gain or (loss)		1,869.	1,700.		
	d	Net gain or (loss)			3,569.		3,569.
	8 a	Gross income from fundraising events (not including \$ 290,876. of contributions reported on line 1c). See Part IV, line 18		a	155,866.		
		Less: direct expenses		b	250,828.		
Net income or (loss) from fundraising events			-94,962.		-94,962.		
9 a	Gross income from gaming activities. See Part IV, line 19		a				
	Less: direct expenses		b				
	Net income or (loss) from gaming activities						
10 a	Gross sales of inventory, less returns and allowances		a	1,035,227.			
	Less: cost of goods sold		b	428,115.			
	Net income or (loss) from sales of inventory			607,112.		607,112.	
Miscellaneous Revenue			Business Code				
11 a							
b							
c							
d	All other revenue						
e	Total. Add lines 11a-11d						
12	Total revenue. See instructions.			22,201,070.	13,380,425.	0.	

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21	124,045.	124,045.		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	282,030.	282,030.		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16				
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	509,912.	139,410.	317,871.	52,631.
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)				
7 Other salaries and wages	9,305,973.	7,304,393.	1,423,089.	578,491.
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	507,040.	398,137.	71,398.	37,505.
9 Other employee benefits	703,376.	534,079.	118,987.	50,310.
10 Payroll taxes	697,776.	526,025.	122,200.	49,551.
11 Fees for services (non-employees):				
a Management				
b Legal	98,114.	97,286.	828.	
c Accounting	40,530.		40,530.	
d Lobbying	142,830.			142,830.
e Professional fundraising services. See Part IV, line 17	31,500.			31,500.
f Investment management fees				
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Sch O.)	1,351,095.	1,176,488.	130,358.	44,249.
12 Advertising and promotion	364,273.	246,256.	4,745.	113,272.
13 Office expenses	788,953.	559,807.	143,123.	86,023.
14 Information technology				
15 Royalties				
16 Occupancy	891,950.	628,512.	260,493.	2,945.
17 Travel	433,685.	406,135.	15,189.	12,361.
18 Payments of travel or entertainment expenses for any federal, state, or local public officials				
19 Conferences, conventions, and meetings	45,152.	41,936.	1,957.	1,259.
20 Interest	190,122.	152,969.	37,153.	
21 Payments to affiliates				
22 Depreciation, depletion, and amortization	2,671,667.	650,806.	2,020,861.	
23 Insurance	552,045.	307,080.	233,735.	11,230.
24 Other expenses. Itemize expenses not covered above. (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a EQUIPMENT RENTAL & MAIN	1,432,755.	1,009,950.	409,381.	13,424.
b SUPPLIES	649,520.	645,987.	3,121.	412.
c INTERNAL RENTALS	0.	154,364.	-164,933.	10,569.
d OVERHEAD ALLOCATION	0.	2,782,949.	-2,782,949.	
e All other expenses	277,209.	179,049.	70,965.	27,195.
25 Total functional expenses. Add lines 1 through 24e	22,091,552.	18,347,693.	2,478,102.	1,265,757.
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation.				

Check here if following SOP 98-2 (ASC 958-720)

Part X Balance Sheet

Check if Schedule O contains a response or note to any line in this Part X

		(A) Beginning of year		(B) End of year	
Assets	1	Cash - non-interest-bearing	5,432,588.	1	5,449,915.
	2	Savings and temporary cash investments	2,562,580.	2	2,570,707.
	3	Pledges and grants receivable, net	4,445,731.	3	3,650,235.
	4	Accounts receivable, net		4	
	5	Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L		5	
	6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instr). Complete Part II of Sch L		6	
	7	Notes and loans receivable, net		7	
	8	Inventories for sale or use	100,738.	8	121,242.
	9	Prepaid expenses and deferred charges	82,310.	9	120,080.
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a 67,677,195.		
	b	Less: accumulated depreciation	10b 40,551,587.	10c	27,125,608.
	11	Investments - publicly traded securities		11	
	12	Investments - other securities. See Part IV, line 11		12	
	13	Investments - program-related. See Part IV, line 11		13	
	14	Intangible assets		14	
	15	Other assets. See Part IV, line 11	17,851,076.	15	17,260,747.
16	Total assets. Add lines 1 through 15 (must equal line 34)	51,490,761.	16	56,298,534.	
Liabilities	17	Accounts payable and accrued expenses	1,510,822.	17	1,462,587.
	18	Grants payable		18	
	19	Deferred revenue	7,505,842.	19	7,786,199.
	20	Tax-exempt bond liabilities		20	
	21	Escrow or custodial account liability. Complete Part IV of Schedule D		21	
	22	Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L		22	
	23	Secured mortgages and notes payable to unrelated third parties	7,742,984.	23	11,162,907.
	24	Unsecured notes and loans payable to unrelated third parties		24	
	25	Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D	592,875.	25	602,734.
	26	Total liabilities. Add lines 17 through 25	17,352,523.	26	21,014,427.
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.				
	27	Unrestricted net assets	14,753,819.	27	14,026,483.
	28	Temporarily restricted net assets	8,879,490.	28	10,638,374.
	29	Permanently restricted net assets	10,504,929.	29	10,619,250.
	Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.				
	30	Capital stock or trust principal, or current funds		30	
	31	Paid-in or capital surplus, or land, building, or equipment fund		31	
	32	Retained earnings, endowment, accumulated income, or other funds		32	
33	Total net assets or fund balances	34,138,238.	33	35,284,107.	
34	Total liabilities and net assets/fund balances	51,490,761.	34	56,298,534.	

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI

1	Total revenue (must equal Part VIII, column (A), line 12)	1	22,201,070.
2	Total expenses (must equal Part IX, column (A), line 25)	2	22,091,552.
3	Revenue less expenses. Subtract line 2 from line 1	3	109,518.
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	34,138,238.
5	Net unrealized gains (losses) on investments	5	1,731.
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	1,034,620.
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	35,284,107.

Part XII Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII

		Yes	No
1	Accounting method used to prepare the Form 990: <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.		
2a	Were the organization's financial statements compiled or reviewed by an independent accountant? _____ If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both: <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		X
b	Were the organization's financial statements audited by an independent accountant? _____ If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both: <input checked="" type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	X	
c	If "Yes" to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? _____ If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O.	X	
3a	As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133? _____	X	
b	If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits _____	X	

Form 990 (2016)

Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)

(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2012	(b) 2013	(c) 2014	(d) 2015	(e) 2016	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	4,217,004.	4,826,927.	12,678,299.	3,276,438.	8,319,239.	33,317,907.
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge ...						
4 Total. Add lines 1 through 3	4,217,004.	4,826,927.	12,678,299.	3,276,438.	8,319,239.	33,317,907.
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f)						3,642,319.
6 Public support. Subtract line 5 from line 4.						29,675,588.

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2012	(b) 2013	(c) 2014	(d) 2015	(e) 2016	(f) Total
7 Amounts from line 4	4,217,004.	4,826,927.	12,678,299.	3,276,438.	8,319,239.	33,317,907.
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources ...	42,874.	55,103.	32,583.	6,827.	6,691.	144,078.
9 Net income from unrelated business activities, whether or not the business is regularly carried on ...						
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
11 Total support. Add lines 7 through 10						33,461,985.
12 Gross receipts from related activities, etc. (see instructions)					12	72,886,714.
13 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here						<input type="checkbox"/>

Section C. Computation of Public Support Percentage

14 Public support percentage for 2016 (line 6, column (f) divided by line 11, column (f))	14	88.68 %
15 Public support percentage from 2015 Schedule A, Part II, line 14	15	85.26 %
16a 33 1/3% support test - 2016. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization		<input checked="" type="checkbox"/>
b 33 1/3% support test - 2015. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization		<input type="checkbox"/>
17a 10% -facts-and-circumstances test - 2016. If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization		<input type="checkbox"/>
b 10% -facts-and-circumstances test - 2015. If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization		<input type="checkbox"/>
18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions		<input type="checkbox"/>

Part III Support Schedule for Organizations Described in Section 509(a)(2)

(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2012	(b) 2013	(c) 2014	(d) 2015	(e) 2016	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")						
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						
3 Gross receipts from activities that are not an unrelated trade or business under section 513						
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
5 The value of services or facilities furnished by a governmental unit to the organization without charge						
6 Total. Add lines 1 through 5						
7a Amounts included on lines 1, 2, and 3 received from disqualified persons						
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year						
c Add lines 7a and 7b						
8 Public support. (Subtract line 7c from line 6.)						

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2012	(b) 2013	(c) 2014	(d) 2015	(e) 2016	(f) Total
9 Amounts from line 6						
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						
c Add lines 10a and 10b						
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on						
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
13 Total support. (Add lines 9, 10c, 11, and 12.)						

14 **First five years.** If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here**

Section C. Computation of Public Support Percentage

15 Public support percentage for 2016 (line 8, column (f) divided by line 13, column (f))	15	%
16 Public support percentage from 2015 Schedule A, Part III, line 15	16	%

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2016 (line 10c, column (f) divided by line 13, column (f))	17	%
18 Investment income percentage from 2015 Schedule A, Part III, line 17	18	%

19a **33 1/3% support tests - 2016.** If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization

b **33 1/3% support tests - 2015.** If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3%, and line 18 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization

20 **Private foundation.** If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions

Part IV Supporting Organizations

(Complete only if you checked a box in line 12 on Part I. If you checked 12a of Part I, complete Sections A and B. If you checked 12b of Part I, complete Sections A and C. If you checked 12c of Part I, complete Sections A, D, and E. If you checked 12d of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

	Yes	No
1 Are all of the organization's supported organizations listed by name in the organization's governing documents? <i>If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.</i>		
2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? <i>If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).</i>		
3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? <i>If "Yes," answer (b) and (c) below.</i>		
b Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? <i>If "Yes," describe in Part VI when and how the organization made the determination.</i>		
c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? <i>If "Yes," explain in Part VI what controls the organization put in place to ensure such use.</i>		
4a Was any supported organization not organized in the United States ("foreign supported organization")? <i>If "Yes," and if you checked 12a or 12b in Part I, answer (b) and (c) below.</i>		
b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? <i>If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.</i>		
c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? <i>If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.</i>		
5a Did the organization add, substitute, or remove any supported organizations during the tax year? <i>If "Yes," answer (b) and (c) below (if applicable). Also, provide detail in Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by amendment to the organizing document).</i>		
b Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
c Substitutions only. Was the substitution the result of an event beyond the organization's control?		
6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? <i>If "Yes," provide detail in Part VI.</i>		
7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
9a Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? <i>If "Yes," provide detail in Part VI.</i>		
b Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? <i>If "Yes," provide detail in Part VI.</i>		
c Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? <i>If "Yes," provide detail in Part VI.</i>		
10a Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? <i>If "Yes," answer 10b below.</i>		
b Did the organization have any excess business holdings in the tax year? <i>(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings.)</i>		

Part IV Supporting Organizations (continued)

	Yes	No
11 Has the organization accepted a gift or contribution from any of the following persons?		
a A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?		
b A family member of a person described in (a) above?		
c A 35% controlled entity of a person described in (a) or (b) above? If "Yes" to a, b, or c, provide detail in Part VI.		

Section B. Type I Supporting Organizations

	Yes	No
1 Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.		
2 Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised, or controlled the supporting organization.		

Section C. Type II Supporting Organizations

	Yes	No
1 Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).		

Section D. All Type III Supporting Organizations

	Yes	No
1 Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?		
2 Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).		
3 By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.		

Section E. Type III Functionally Integrated Supporting Organizations

1 Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions).		
a <input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.		
b <input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.		
c <input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).		
2 Activities Test. Answer (a) and (b) below.		
a Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.		
b Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.		
3 Parent of Supported Organizations. Answer (a) and (b) below.		
a Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? Provide details in Part VI.		
b Did the organization exercise a substantial degree of direction over the policies, programs, and activities of each of its supported organizations? If "Yes," describe in Part VI the role played by the organization in this regard.		

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations

1 Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (explain in Part VI.) See instructions. All other Type III non-functionally integrated supporting organizations must complete Sections A through E.

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3	4	
5	Depreciation and depletion	5	
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6	
7	Other expenses (see instructions)	7	
8	Adjusted Net Income (subtract lines 5, 6, and 7 from line 4)	8	

Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):		
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	Total (add lines 1a, 1b, and 1c)	1d	
e	Discount claimed for blockage or other factors (explain in detail in Part VI):		
2	Acquisition indebtedness applicable to non-exempt-use assets	2	
3	Subtract line 2 from line 1d	3	
4	Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions)	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by .035	6	
7	Recoveries of prior-year distributions	7	
8	Minimum Asset Amount (add line 7 to line 6)	8	

Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1	
2	Enter 85% of line 1	2	
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3	
4	Enter greater of line 2 or line 3	4	
5	Income tax imposed in prior year	5	
6	Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6	

7 Check here if the current year is the organization's first as a non-functionally integrated Type III supporting organization (see instructions).

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations *(continued)*

Section D - Distributions	Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI). See instructions	
7 Total annual distributions. Add lines 1 through 6	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions	
9 Distributable amount for 2016 from Section C, line 6	
10 Line 8 amount divided by Line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2016	(iii) Distributable Amount for 2016
1 Distributable amount for 2016 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2016 (reasonable cause required- explain in Part VI). See instructions			
3 Excess distributions carryover, if any, to 2016:			
a			
b			
c From 2013			
d From 2014			
e From 2015			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2016 distributable amount			
i Carryover from 2011 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2016 from Section D, line 7: \$			
a Applied to underdistributions of prior years			
b Applied to 2016 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4			
5 Remaining underdistributions for years prior to 2016, if any. Subtract lines 3g and 4a from line 2. For result greater than zero, explain in Part VI. See instructions			
6 Remaining underdistributions for 2016. Subtract lines 3h and 4b from line 1. For result greater than zero, explain in Part VI. See instructions			
7 Excess distributions carryover to 2017. Add lines 3j and 4c			
8 Breakdown of line 7:			
a			
b Excess from 2013			
c Excess from 2014			
d Excess from 2015			
e Excess from 2016			

Schedule A (Form 990 or 990-EZ) 2016

Part VI

Supplemental Information. Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; Part III, line 12; Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c; Part IV, Section B, lines 1 and 2; Part IV, Section C, line 1; Part IV, Section D, lines 2 and 3; Part IV, Section E, lines 1c, 2a, 2b, 3a, and 3b; Part V, line 1; Part V, Section B, line 1e; Part V, Section D, lines 5, 6, and 8; and Part V, Section E, lines 2, 5, and 6. Also complete this part for any additional information. (See instructions.)

FORM 990 SCHEDULE A PART II

DUE TO A CHANGE FROM A CALENDAR YEAR END TO A SEPTEMBER 30 FISCAL YEAR
END, THE ORGANIZATION'S IMMEDIATE PRIOR PERIOD WAS A SHORT YEAR
BEGINNING JANUARY 1, 2016 AND ENDING SEPTEMBER 30, 2016.

Multiple horizontal lines for supplemental information.

Schedule B
(Form 990, 990-EZ,
or 990-PF)

Department of the Treasury
Internal Revenue Service

Schedule of Contributors

▶ Attach to Form 990, Form 990-EZ, or Form 990-PF.
▶ Information about Schedule B (Form 990, 990-EZ, or 990-PF) and
its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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Organization type (check one):

Filers of:

Section:

Form 990 or 990-EZ

- 501(c)(3) (enter number) organization
- 4947(a)(1) nonexempt charitable trust **not** treated as a private foundation
- 527 political organization

Form 990-PF

- 501(c)(3) exempt private foundation
- 4947(a)(1) nonexempt charitable trust treated as a private foundation
- 501(c)(3) taxable private foundation

Check if your organization is covered by the **General Rule** or a **Special Rule**.

Note: Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.

General Rule

- For an organization filing Form 990, 990-EZ, or 990-PF that received, during the year, contributions totaling \$5,000 or more (in money or property) from any one contributor. Complete Parts I and II. See instructions for determining a contributor's total contributions.

Special Rules

- For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33 1/3% support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of (1) \$5,000 or (2) 2% of the amount on (i) Form 990, Part VIII, line 1h, or (ii) Form 990-EZ, line 1. Complete Parts I and II.
- For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than \$1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals. Complete Parts I, II, and III.
- For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling \$5,000 or more during the year ▶ \$ _____

Caution: An organization that isn't covered by the General Rule and/or the Special Rules doesn't file Schedule B (Form 990, 990-EZ, or 990-PF), but it **must** answer "No" on Part IV, line 2, of its Form 990; or check the box on line H of its Form 990-EZ or on its Form 990-PF, Part I, line 2, to certify that it doesn't meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF).

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990, 990-EZ, or 990-PF. Schedule B (Form 990, 990-EZ, or 990-PF) (2016)

Name of organization

Employer identification number

MOTE MARINE LABORATORY, INC.

59-0756643

Part I Contributors (See instructions). Use duplicate copies of Part I if additional space is needed.

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
7		\$ 225,000.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)

Name of organization

Employer identification number

MOTE MARINE LABORATORY, INC.

59-0756643

Part I **Contributors** (See instructions). Use duplicate copies of Part I if additional space is needed.

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
1		\$ 1,000,000.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
2		\$ 219,402.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
3		\$ 682,165.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
4		\$ 303,802.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
5	Y	\$ 261,634.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
6		\$ 1,003,550.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)

Name of organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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Part II Noncash Property (See instructions). Use duplicate copies of Part II if additional space is needed.

(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
	<hr/> <hr/> <hr/> <hr/>	\$ _____	_____
	<hr/> <hr/> <hr/> <hr/>	\$ _____	_____
	<hr/> <hr/> <hr/> <hr/>	\$ _____	_____
	<hr/> <hr/> <hr/> <hr/>	\$ _____	_____
	<hr/> <hr/> <hr/> <hr/>	\$ _____	_____
	<hr/> <hr/> <hr/> <hr/>	\$ _____	_____
	<hr/> <hr/> <hr/> <hr/>	\$ _____	_____

Name of organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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Part III Exclusively religious, charitable, etc., contributions to organizations described in section 501(c)(7), (8), or (10) that total more than \$1,000 for the year from any one contributor. Complete columns (a) through (e) and the following line entry. For organizations completing Part III, enter the total of exclusively religious, charitable, etc., contributions of \$1,000 or less for the year. (Enter this info. once.) ▶ \$ _____
Use duplicate copies of Part III if additional space is needed.

(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
(e) Transfer of gift			
Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
(e) Transfer of gift			
Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
(e) Transfer of gift			
Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
(e) Transfer of gift			
Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee	

SCHEDULE C
(Form 990 or 990-EZ)

Political Campaign and Lobbying Activities

OMB No. 1545-0047

2016

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

For Organizations Exempt From Income Tax Under section 501(c) and section 527

▶ **Complete if the organization is described below.** ▶ Attach to Form 990 or Form 990-EZ.

▶ Information about Schedule C (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

If the organization answered "Yes," on Form 990, Part IV, line 3, or Form 990-EZ, Part V, line 46 (Political Campaign Activities), then

- Section 501(c)(3) organizations: Complete Parts I-A and B. Do not complete Part I-C.
- Section 501(c) (other than section 501(c)(3)) organizations: Complete Parts I-A and C below. Do not complete Part I-B.
- Section 527 organizations: Complete Part I-A only.

If the organization answered "Yes," on Form 990, Part IV, line 4, or Form 990-EZ, Part VI, line 47 (Lobbying Activities), then

- Section 501(c)(3) organizations that have filed Form 5768 (election under section 501(h)): Complete Part II-A. Do not complete Part II-B.
- Section 501(c)(3) organizations that have NOT filed Form 5768 (election under section 501(h)): Complete Part II-B. Do not complete Part II-A.

If the organization answered "Yes," on Form 990, Part IV, line 5 (Proxy Tax) (see separate instructions) or Form 990-EZ, Part V, line 35c (Proxy Tax) (see separate instructions), then

- Section 501(c)(4), (5), or (6) organizations: Complete Part III.

Name of organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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Part I-A Complete if the organization is exempt under section 501(c) or is a section 527 organization.

1 Provide a description of the organization's direct and indirect political campaign activities in Part IV.

2 Political campaign activity expenditures \$ _____

3 Volunteer hours for political campaign activities

Part I-B Complete if the organization is exempt under section 501(c)(3).

1 Enter the amount of any excise tax incurred by the organization under section 4955 \$ _____

2 Enter the amount of any excise tax incurred by organization managers under section 4955 \$ _____

3 If the organization incurred a section 4955 tax, did it file Form 4720 for this year? Yes No

4a Was a correction made? Yes No

b If "Yes," describe in Part IV.

Part I-C Complete if the organization is exempt under section 501(c), except section 501(c)(3).

1 Enter the amount directly expended by the filing organization for section 527 exempt function activities \$ _____

2 Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities \$ _____

3 Total exempt function expenditures. Add lines 1 and 2. Enter here and on Form 1120-POL, line 17b \$ _____

4 Did the filing organization file Form 1120-POL for this year? Yes No

5 Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments. For each organization listed, enter the amount paid from the filing organization's funds. Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC). If additional space is needed, provide information in Part IV.

(a) Name	(b) Address	(c) EIN	(d) Amount paid from filing organization's funds. If none, enter -0-.	(e) Amount of political contributions received and promptly and directly delivered to a separate political organization. If none, enter -0-.

For Paperwork Reduction Act Notice, see the Instructions for Form 990 or 990-EZ. Schedule C (Form 990 or 990-EZ) 2016

LHA
632041 11-10-16

Part II-A Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).

- A Check if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures).
- B Check if the filing organization checked box A and "limited control" provisions apply.

Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.)		(a) Filing organization's totals	(b) Affiliated group totals												
1a Total lobbying expenditures to influence public opinion (grass roots lobbying)															
b Total lobbying expenditures to influence a legislative body (direct lobbying)		142,830.													
c Total lobbying expenditures (add lines 1a and 1b)		142,830.													
d Other exempt purpose expenditures		21,969,726.													
e Total exempt purpose expenditures (add lines 1c and 1d)		22,112,556.													
f Lobbying nontaxable amount. Enter the amount from the following table in both columns.		1,000,000.													
<table border="1"> <thead> <tr> <th>If the amount on line 1e, column (a) or (b) is:</th> <th>The lobbying nontaxable amount is:</th> </tr> </thead> <tbody> <tr> <td>Not over \$500,000</td> <td>20% of the amount on line 1e.</td> </tr> <tr> <td>Over \$500,000 but not over \$1,000,000</td> <td>\$100,000 plus 15% of the excess over \$500,000.</td> </tr> <tr> <td>Over \$1,000,000 but not over \$1,500,000</td> <td>\$175,000 plus 10% of the excess over \$1,000,000.</td> </tr> <tr> <td>Over \$1,500,000 but not over \$17,000,000</td> <td>\$225,000 plus 5% of the excess over \$1,500,000.</td> </tr> <tr> <td>Over \$17,000,000</td> <td>\$1,000,000.</td> </tr> </tbody> </table>		If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:	Not over \$500,000	20% of the amount on line 1e.	Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000.	Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000.	Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000.	Over \$17,000,000	\$1,000,000.		
If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:														
Not over \$500,000	20% of the amount on line 1e.														
Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000.														
Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000.														
Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000.														
Over \$17,000,000	\$1,000,000.														
g Grassroots nontaxable amount (enter 25% of line 1f)		250,000.													
h Subtract line 1g from line 1a. If zero or less, enter -0-		0.													
i Subtract line 1f from line 1c. If zero or less, enter -0-		0.													
j If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year?			<input type="checkbox"/> Yes <input type="checkbox"/> No												

4-Year Averaging Period Under section 501(h)
 (Some organizations that made a section 501(h) election do not have to complete all of the five columns below.
 See the separate instructions for lines 2a through 2f.)

Lobbying Expenditures During 4-Year Averaging Period					
Calendar year (or fiscal year beginning in)	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) Total
2a Lobbying nontaxable amount	1,000,000.	1,000,000.	948,039.	1,000,000.	3,948,039.
b Lobbying ceiling amount (150% of line 2a, column(e))					5,922,059.
c Total lobbying expenditures	158,196.	164,351.	110,390.	142,830.	575,767.
d Grassroots nontaxable amount	250,000.	250,000.	237,010.	250,000.	987,010.
e Grassroots ceiling amount (150% of line 2d, column (e))					1,480,515.
f Grassroots lobbying expenditures					

Part II-B Complete if the organization is exempt under section 501(c)(3) and has NOT filed Form 5768 (election under section 501(h)).

For each "Yes," response on lines 1a through 1i below, provide in Part IV a detailed description of the lobbying activity.

	(a)		(b)
	Yes	No	Amount
1 During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of:			
a Volunteers?			
b Paid staff or management (include compensation in expenses reported on lines 1c through 1i)?			
c Media advertisements?			
d Mailings to members, legislators, or the public?			
e Publications, or published or broadcast statements?			
f Grants to other organizations for lobbying purposes?			
g Direct contact with legislators, their staffs, government officials, or a legislative body?			
h Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?			
i Other activities?			
j Total. Add lines 1c through 1i			
2a Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?			
b If "Yes," enter the amount of any tax incurred under section 4912			
c If "Yes," enter the amount of any tax incurred by organization managers under section 4912			
d If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year?			

Part III-A Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6).

	Yes	No
1 Were substantially all (90% or more) dues received nondeductible by members?	1	
2 Did the organization make only in-house lobbying expenditures of \$2,000 or less?	2	
3 Did the organization agree to carry over lobbying and political campaign activity expenditures from the prior year?	3	

Part III-B Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No," OR (b) Part III-A, line 3, is answered "Yes."

1 Dues, assessments and similar amounts from members	1	
2 Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).		
a Current year	2a	
b Carryover from last year	2b	
c Total	2c	
3 Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues	3	
4 If notices were sent and the amount on line 2c exceeds the amount on line 3, what portion of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political expenditure next year?	4	
5 Taxable amount of lobbying and political expenditures (see instructions)	5	

Part IV Supplemental Information

Provide the descriptions required for Part I-A, line 1; Part I-B, line 4; Part I-C, line 5; Part II-A (affiliated group list); Part II-A, lines 1 and 2 (see instructions); and Part II-B, line 1. Also, complete this part for any additional information.

SCHEDULE D
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Financial Statements

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.
▶ Attach to Form 990.

▶ Information about Schedule D (Form 990) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016
Open to Public
Inspection

Name of the organization **MOTE MARINE LABORATORY, INC.** Employer identification number **59-0756643**

Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts. Complete if the organization answered "Yes" on Form 990, Part IV, line 6.

	(a) Donor advised funds	(b) Funds and other accounts
1 Total number at end of year		
2 Aggregate value of contributions to (during year)		
3 Aggregate value of grants from (during year)		
4 Aggregate value at end of year		
5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit?	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Part II Conservation Easements. Complete if the organization answered "Yes" on Form 990, Part IV, line 7.

1 Purpose(s) of conservation easements held by the organization (check all that apply).

Preservation of land for public use (e.g., recreation or education) Preservation of a historically important land area

Protection of natural habitat Preservation of a certified historic structure

Preservation of open space

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year.

	Held at the End of the Tax Year
a Total number of conservation easements	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 8/17/06, and not on a historic structure listed in the National Register	2d

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶ _____

4 Number of states where property subject to conservation easement is located ▶ _____

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds?

Yes No

6 Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ _____

7 Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ \$ _____

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)?

Yes No

9 In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements.

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets. Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items.

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items:

(i) Revenue included on Form 990, Part VIII, line 1 ▶ \$ _____

(ii) Assets included in Form 990, Part X ▶ \$ _____

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items:

a Revenue included on Form 990, Part VIII, line 1 ▶ \$ _____

b Assets included in Form 990, Part X ▶ \$ _____

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

- 3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply):
- a Public exhibition
 - b Scholarly research
 - c Preservation for future generations
 - d Loan or exchange programs
 - e Other _____
- 4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.
- 5 During the year, did the organization solicit or receive donations of art, historical treasures, or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? Yes No

Part IV Escrow and Custodial Arrangements. Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

- 1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? Yes No
- b If "Yes," explain the arrangement in Part XIII and complete the following table:
- | | Amount |
|---------------------------------|--------|
| c Beginning balance | 1c |
| d Additions during the year | 1d |
| e Distributions during the year | 1e |
| f Ending balance | 1f |
- 2a Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? Yes No
- b If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided on Part XIII

Part V Endowment Funds. Complete if the organization answered "Yes" on Form 990, Part IV, line 10.

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a Beginning of year balance	619,192.	617,820.	618,670.	618,040.	615,933.
b Contributions					
c Net investment earnings, gains, and losses	2,406.	1,568.	418.	2,655.	-4,109.
d Grants or scholarships					
e Other expenditures for facilities and programs	280.	196.	1,268.	2,025.	6,216.
f Administrative expenses					
g End of year balance	621,318.	619,192.	617,820.	618,670.	618,040.

- 2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:
- a Board designated or quasi-endowment _____ %
 - b Permanent endowment 98.51 %
 - c Temporarily restricted endowment 1.49 %
- The percentages on lines 2a, 2b, and 2c should equal 100%.
- 3a Are there endowment funds not in the possession of the organization that are held and administered for the organization by:
- | | Yes | No |
|-----------------------------|--------------------------|-------------------------------------|
| (i) unrelated organizations | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| (ii) related organizations | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
- b If "Yes" on line 3a(ii), are the related organizations listed as required on Schedule R?
- 3b
- 4 Describe in Part XIII the intended uses of the organization's endowment funds.

Part VI Land, Buildings, and Equipment.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land		7,498,190.		7,498,190.
b Buildings		41,884,186.	25,296,395.	16,587,791.
c Leasehold improvements				
d Equipment		15,506,139.	12,955,585.	2,550,554.
e Other		2,788,680.	2,299,607.	489,073.
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c.)				27,125,608.

Part VII Investments - Other Securities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other		
(A)		
(B)		
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
Total. (Col. (b) must equal Form 990, Part X, col. (B) line 12.) ▶		

Part VIII Investments - Program Related.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
Total. (Col. (b) must equal Form 990, Part X, col. (B) line 13.) ▶		

Part IX Other Assets.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11d. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(1) BENEFICIAL INTEREST IN MOTE MARINE FOUNDATION, INC.	16,208,829.
(2) DUE FROM MOTE MARINE FOUNDATION, INC.	279,918.
(3) DONATED ASSETS HELD FOR SALE	37,110.
(4) PATENTS	95,696.
(5) CONSTRUCTION IN PROGRESS	36,460.
(6) INVESTMENT IN DEFERRED COMPENSATION PLAN	602,734.
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 15.) ▶	17,260,747.

Part X Other Liabilities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11e or 11f. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
(2) DEFERRED COMPENSATION PAYABLE	602,734.
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 25.) ▶	602,734.

2. Liability for uncertain tax positions. In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740). Check here if the text of the footnote has been provided in Part XIII

Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return.

Complete if the organization answered "Yes" on Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements		1	23,937,368.
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:			
a	Net unrealized gains (losses) on investments	2a	1,731.	
b	Donated services and use of facilities	2b	21,004.	
c	Recoveries of prior year grants	2c		
d	Other (Describe in Part XIII.)	2d	1,034,620.	
e	Add lines 2a through 2d	2e	1,057,355.	
3	Subtract line 2e from line 1	3	22,880,013.	
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1:			
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a		
b	Other (Describe in Part XIII.)	4b	-678,943.	
c	Add lines 4a and 4b	4c	-678,943.	
5	Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.)	5	22,201,070.	

Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.

Complete if the organization answered "Yes" on Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements		1	22,791,499.
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:			
a	Donated services and use of facilities	2a	21,004.	
b	Prior year adjustments	2b		
c	Other losses	2c		
d	Other (Describe in Part XIII.)	2d	678,943.	
e	Add lines 2a through 2d	2e	699,947.	
3	Subtract line 2e from line 1	3	22,091,552.	
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:			
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a		
b	Other (Describe in Part XIII.)	4b		
c	Add lines 4a and 4b	4c	0.	
5	Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)	5	22,091,552.	

Part XIII Supplemental Information.

Provide the descriptions required for Part II, lines 3, 5, and 9; Part III, lines 1a and 4; Part IV, lines 1b and 2b; Part V, line 4; Part X, line 2; Part XI, lines 2d and 4b; and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

PART V, LINE 4:

ALL ENDOWMENT FUNDS ARE HELD IN PERPETUITY WITH THE INCOME USED AS FOLLOWS

1-THE CULTURAL ENDOWMENT FUND INCOME IS USED TO SUPPORT OPERATIONS FOR THE

AQUARIUM 2- THE KEYS ADVISORY BOARD ENDOWMENT FUND INCOME IS USED TO

SUPPORT PROGRAM ACTIVITIES AT THE KEYS FACILITY.

PART X, LINE 2:

UNDER THE INCOME TAXES TOPIC OF THE FASB ACCOUNTING STANDARDS

CODIFICATION, THE LABORATORY HAS REVIEWED AND EVALUATED THE RELEVANT

TECHNICAL MERITS OF EACH OF ITS TAX POSITIONS IN ACCORDANCE WITH

ACCOUNTING PRINCIPLES GENERALLY ACCEPTED IN THE UNITED STATES OF AMERICA

FOR ACCOUNTING FOR UNCERTAINTY IN INCOME TAXES, AND DETERMINED THAT THERE

Part XIII Supplemental Information (continued)

ARE NO UNCERTAIN TAX POSITIONS THAT WOULD HAVE A MATERIAL IMPACT ON THE FINANCIAL STATEMENTS OF THE LABORATORY.

PART XI, LINE 2D - OTHER ADJUSTMENTS:

CHANGE IN NET ASSETS OF MOTE MARINE FOUNDATION, INC. 1,034,620.

PART XI, LINE 4B - OTHER ADJUSTMENTS:

COST OF GOODS SOLD NETTED WITH SALES INCLUDED IN PART VIII FORM 990 -428,115. SPECIAL EVENT EXPENSES INCLUDED IN PART VIII FORM 990 -250,828. TOTAL TO SCHEDULE D, PART XI, LINE 4B -678,943.

PART XII, LINE 2D - OTHER ADJUSTMENTS:

COST OF GOODS SOLD NETTED WITH SALES INCLUDED IN PART VIII FORM 990 428,115. SPECIAL EVENTS EXPENSES INCLUDED IN PART VIII FORM 990 250,828. TOTAL TO SCHEDULE D, PART XII, LINE 2D 678,943.

**SCHEDULE F
(Form 990)**

Department of the Treasury
Internal Revenue Service

Statement of Activities Outside the United States

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 14b, 15, or 16.

▶ Attach to Form 990.

▶ Information about Schedule F (Form 990) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

Open to Public
Inspection

Name of the organization: **MOTE MARINE LABORATORY, INC.**
Employer identification number: **59-0756643**

Part I General Information on Activities Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 14b.

- For grantmakers.** Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? Yes No
- For grantmakers.** Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.
- Activities per Region.** (The following Part I, line 3 table can be duplicated if additional space is needed.)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in the region	(d) Activities conducted in the region (by type) (such as, fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in the region	(f) Total expenditures for and investments in the region
MIDDLE EAST AND NORTH AFRICA	0	0	PROGRAM SERVICE	STOCK ENHANCEMENT AND PRODUCTION OF GREY MULLET FRY: A SUSTAINABLE CHOICE	24,172.
3 a Sub-total	0	0			24,172.
b Total from continuation sheets to Part I	0	0			0.
c Totals (add lines 3a and 3b)	0	0			24,172.

Part IV Foreign Forms

- 1 Was the organization a U.S. transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926)* Yes No

- 2 Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to separately file Form 3520, Annual Return To Report Transactions With Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; do not file with Form 990)* Yes No

- 3 Did the organization have an ownership interest in a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons With Respect To Certain Foreign Corporations (see Instructions for Form 5471)* Yes No

- 4 Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? *If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund (see Instructions for Form 8621)* Yes No

- 5 Did the organization have an ownership interest in a foreign partnership during the tax year? *If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons With Respect to Certain Foreign Partnerships (see Instructions for Form 8865)* Yes No

- 6 Did the organization have any operations in or related to any boycotting countries during the tax year? *If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713; do not file with Form 990)* Yes No

Part V Supplemental Information

Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information. See instructions.

PART I, LINE 2:

MOTE MARINE LABORATORY NOTES THAT THE "DURING-THE-AWARD MONITORING" IS DONE THROUGH THE REVIEW OF THE PERIODIC REIMBURSEMENT REQUESTS (AS SPECIFIED IN AGREEMENT). THE REIMBURSEMENT REQUESTS INCLUDE A SUMMARY THAT DETAILS ACTUAL EXPENSES FOR THE PERIOD COMPARED TO BUDGET BY LINE ITEM.

Multiple horizontal lines for supplemental information.

Part II Fundraising Events. Complete if the organization answered "Yes" on Form 990, Part IV, line 18, or reported more than \$15,000 of fundraising event contributions and gross income on Form 990-EZ, lines 1 and 6b. List events with gross receipts greater than \$5,000.

		(a) Event #1	(b) Event #2	(c) Other events	(d) Total events (add col. (a) through col. (c))	
		OCEANIC EVENING (event type)	PARTY ON THE PASS (event type)	2 (total number)		
Revenue	1	Gross receipts	288,828.	65,435.	92,479.	446,742.
	2	Less: Contributions	207,918.	39,360.	43,598.	290,876.
	3	Gross income (line 1 minus line 2)	80,910.	26,075.	48,881.	155,866.
Direct Expenses	4	Cash prizes				
	5	Noncash prizes				
	6	Rent/facility costs				
	7	Food and beverages	131,124.	17,000.	4,443.	152,567.
	8	Entertainment	1,190.	1,946.	3,150.	6,286.
	9	Other direct expenses	51,517.	12,391.	28,067.	91,975.
	10	Direct expense summary. Add lines 4 through 9 in column (d)				250,828.
	11	Net income summary. Subtract line 10 from line 3, column (d)				-94,962.

Part III Gaming. Complete if the organization answered "Yes" on Form 990, Part IV, line 19, or reported more than \$15,000 on Form 990-EZ, line 6a.

		(a) Bingo	(b) Pull tabs/instant bingo/progressive bingo	(c) Other gaming	(d) Total gaming (add col. (a) through col. (c))
Revenue	1	Gross revenue			
Direct Expenses	2	Cash prizes			
	3	Noncash prizes			
	4	Rent/facility costs			
	5	Other direct expenses			
	6	Volunteer labor	<input type="checkbox"/> Yes _____ % <input type="checkbox"/> No	<input type="checkbox"/> Yes _____ % <input type="checkbox"/> No	<input type="checkbox"/> Yes _____ % <input type="checkbox"/> No
	7	Direct expense summary. Add lines 2 through 5 in column (d)			
	8	Net gaming income summary. Subtract line 7 from line 1, column (d)			

9 Enter the state(s) in which the organization conducts gaming activities: _____
 a Is the organization licensed to conduct gaming activities in each of these states? Yes No
 b If "No," explain: _____

 10a Were any of the organization's gaming licenses revoked, suspended, or terminated during the tax year? Yes No
 b If "Yes," explain: _____

- 11 Does the organization conduct gaming activities with nonmembers? Yes No
- 12 Is the organization a grantor, beneficiary or trustee of a trust, or a member of a partnership or other entity formed to administer charitable gaming? Yes No
- 13 Indicate the percentage of gaming activity conducted in:

a The organization's facility	13a	%
b An outside facility	13b	%
- 14 Enter the name and address of the person who prepares the organization's gaming/special events books and records:

Name ▶ _____

Address ▶ _____

15a Does the organization have a contract with a third party from whom the organization receives gaming revenue? Yes No

b If "Yes," enter the amount of gaming revenue received by the organization ▶ \$ _____ and the amount of gaming revenue retained by the third party ▶ \$ _____

c If "Yes," enter name and address of the third party:

Name ▶ _____

Address ▶ _____

16 Gaming manager information:

Name ▶ _____

Gaming manager compensation ▶ \$ _____

Description of services provided ▶ _____

- Director/officer
- Employee
- Independent contractor

17 Mandatory distributions:

a Is the organization required under state law to make charitable distributions from the gaming proceeds to retain the state gaming license? Yes No

b Enter the amount of distributions required under state law to be distributed to other exempt organizations or spent in the organization's own exempt activities during the tax year ▶ \$ _____

Part IV Supplemental Information. Provide the explanations required by Part I, line 2b, columns (iii) and (v); and Part III, lines 9, 9b, 10b, 15b, 15c, 16, and 17b, as applicable. Also provide any additional information. See instructions

SCHEDULE G, PART I, LINE 2B, LIST OF TEN HIGHEST PAID FUNDRAISERS:

(I) NAME OF FUNDRAISER: DEVELOPMENT GUILD/DDI, INC.

(I) ADDRESS OF FUNDRAISER:

233 HARVARD STREET, SUITE 107, BROOKLINE, MA 02446

PART I, LINE 2B, COLUMN (V):

DEVELOPMENT GUILD/DDI, INC. - AGREEMENT STIPULATES FIXED SERVICE FEES FOR FUNDRAISING COUNSEL. CONSULTANT SUBMITS RECEIPTS FOR EXPENSE

**SCHEDULE I
(Form 990)**

Department of the Treasury
Internal Revenue Service

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**

Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

▶ Attach to Form 990.

▶ Information about Schedule I (Form 990) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

Open to Public
inspection

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

Part I General Information on Grants and Assistance

1 Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? Yes No

2 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

Part II Grants and Other Assistance to Domestic Organizations and Domestic Governments. Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
SMITHSONIAN INSTITUTION PO BOX 37012, MRC 1205 WASHINGTON, DC 20013	53-0206027	501(C)(3)	18,976.	0.			PROTECT OUR REEFS GRANT
UNIVERSITY OF MIAMI 4600 RICKENBACKER CAUSEWAY MIAMI, FL 33149	59-0624458	501(C)(3)	37,309.	0.			PROTECT OUR REEFS GRANT
NOVA UNIVERSITY 3301 COLLEGE AVENUE FT. LAUDERDALE, FL 33314	59-1083502	501(C)(3)	9,289.	0.			PROTECT OUR REEFS GRANT
UNIVERSITY OF NORTH FLORIDA 1 UNF DRIVE JACKSONVILLE, FL 32224	59-2976169	THE STATE OF FLORIDA	6,649.	0.			PROTECT OUR REEFS GRANT
REEF RELIEF PO BOX 430 KEY WEST, FL 33041	59-2696402	501(C)(3)	15,000.	0.			PROTECT OUR REEFS GRANT
JACKSONVILLE UNIVERSITY 2800 UNIVERSITY BLVD JACKSONVILLE, FL 32211	59-0624412	501(C)(3)	8,923.	0.			PROTECT OUR REEFS GRANT

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table 9.

3 Enter total number of other organizations listed in the line 1 table 0.

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule I (Form 990) (2016)

Part II Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II.)							
(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION - P.O. BOX 6150 - TALLAHASSEE, FL 32314	59-3105845	THE STATE OF FLORIDA	7,500.	0.			PROTECT OUR REEFS GRANT
ECKERD COLLEGE 4200 54TH AVE. S. ST. PETERSBURG, FL 33711	59-0859121	501(C)(3)	7,020.	0.			PROTECT OUR REEFS GRANT
REEF ENVIRONMENTAL EDUCATION FOUNDATION - P.O. BOX 730246 - KEY LARGO, FL 33037	65-0270064	501(C)(3)	5,525.	0.			PROTECT OUR REEFS GRANT

Part III Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22. Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of non-cash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of noncash assistance
SCHOLARSHIPS	73	103,316.	0.		
STIPENDS	42	178,714.	0.		

Part IV Supplemental Information. Provide the information required in Part I, line 2; Part III, column (b); and any other additional information.

PART I, LINE 2:
 GRANTS ARE AWARDED TO ELIGIBLE ORGANIZATIONS THROUGH MOTE MARINE LABORATORY'S PROTECT OUR REEFS PROGRAM USING FUNDS COLLECTED FROM REEF LICENSE PLATE SALES. THE FINAL DECISION AS TO WHICH PROPOSALS WILL BE FUNDED AND UNDER WHAT CONDITIONS WILL BE MADE BY MICHAEL CROSBY, PH.D., THE PRESIDENT AND CHIEF EXECUTIVE OFFICER OF MOTE. TO ASSIST HIM, DR. CROSBY HAS ASSEMBLED A GRANTS ADVISORY COMMITTEE OF EIGHT INDIVIDUALS WITH BROAD AND DIVERSE BACKGROUNDS IN CORAL REEF RESEARCH, EDUCATION, CONSERVATION AND MANAGEMENT. THE COMMITTEE EVALUATES AND RANKS EACH OF THE PROPOSALS

Part IV Supplemental Information

SUBMITTED. OUTSIDE EXPERTS ARE ALSO CONSULTED TO PEER REVIEW THE PROPOSALS AS NECESSARY. THE COMMITTEE MAKES RECOMMENDATIONS TO DR. CROSBY AS TO WHICH PROPOSALS SHOULD BE SELECTED AND IN WHAT AMOUNTS.

A LIMITED NUMBER OF SCHOLARSHIP GRANTS ARE AWARDED TO INDIVIDUALS EACH YEAR. THE SCHOLARSHIP AWARD RANGES FROM \$500 TO \$2,000 FOR A TWO TO THREE MONTH INTERNSHIP. A SCHOLARSHIP COMMITTEE AWARDS SCHOLARSHIPS BASED ON PROGRAM NEED AND STUDENT'S FINANCIAL NEED, ACADEMIC MERIT AND RECOMMENDATIONS.

STIPENDS ARE AWARDED TO PARTICIPANTS IN SEVERAL RESEARCH EXPERIENCE FOR UNDERGRADUATES (REU) PROGRAMS AT MOTE MARINE LABORATORY. THE FUNDING AGENCY DETERMINES THE APPLICATION CRITERIA, BUT USUALLY THE STUDENTS ARE SELECTED IF THEY HAVE NOT HAD ANY PREVIOUS RESEARCH EXPERIENCE AND MEET OTHER SPECIFIC CRITERIA SUCH AS UNDERSERVED, UNDERREPRESENTED STUDENTS OR ALUMNI AT A SPECIFIC UNIVERSITY. THE STIPENDS CAN RANGE FROM \$500 TO \$5,250 DEPENDING ON GRANT AND LENGTH OF INTERNSHIP.

**SCHEDULE J
(Form 990)**

Compensation Information

OMB No. 1545-0047

2016

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.

▶ Attach to Form 990.

▶ Information about Schedule J (Form 990) and its instructions is at www.irs.gov/form990.

Department of the Treasury
Internal Revenue Service

Open to Public Inspection

Name of the organization **MOTE MARINE LABORATORY, INC.** Employer identification number **59-0756643**

Part I Questions Regarding Compensation

	Yes	No
1a Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items. <input type="checkbox"/> First-class or charter travel <input type="checkbox"/> Travel for companions <input type="checkbox"/> Tax indemnification and gross-up payments <input type="checkbox"/> Discretionary spending account <input type="checkbox"/> Housing allowance or residence for personal use <input type="checkbox"/> Payments for business use of personal residence <input type="checkbox"/> Health or social club dues or initiation fees <input type="checkbox"/> Personal services (such as, maid, chauffeur, chef)		
b If any of the boxes on line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain	1b	
2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, and officers, including the CEO/Executive Director, regarding the items checked on line 1a?	2	
3 Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III. <input checked="" type="checkbox"/> Compensation committee <input type="checkbox"/> Independent compensation consultant <input checked="" type="checkbox"/> Form 990 of other organizations <input checked="" type="checkbox"/> Written employment contract <input checked="" type="checkbox"/> Compensation survey or study <input checked="" type="checkbox"/> Approval by the board or compensation committee		
4 During the year, did any person listed on Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization: a Receive a severance payment or change-of-control payment?	4a	X
b Participate in, or receive payment from, a supplemental nonqualified retirement plan?	4b	X
c Participate in, or receive payment from, an equity-based compensation arrangement?	4c	X
If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III.		
Only section 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.		
5 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of: a The organization?	5a	X
b Any related organization?	5b	X
If "Yes" on line 5a or 5b, describe in Part III.		
6 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of: a The organization?	6a	X
b Any related organization?	6b	X
If "Yes" on line 6a or 6b, describe in Part III.		
7 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any nonfixed payments not described on lines 5 and 6? If "Yes," describe in Part III	7	X
8 Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III	8	X
9 If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)?	9	

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule J (Form 990) 2016

**SCHEDULE M
(Form 990)**

Noncash Contributions

OMB No. 1545-0047

2016

Open To Public
Inspection

Department of the Treasury
Internal Revenue Service

- ▶ Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.
- ▶ Attach to Form 990.
- ▶ Information about Schedule M (Form 990) and its instructions is at www.irs.gov/form990.

Name of the organization **MOTE MARINE LABORATORY, INC.** Employer identification number **59-0756643**

Part I		Types of Property					
	(a) Check if applicable	(b) Number of contributions or items contributed	(c) Noncash contribution amounts reported on Form 990, Part VIII, line 1g	(d) Method of determining noncash contribution amounts			
1	Art - Works of art						
2	Art - Historical treasures						
3	Art - Fractional interests						
4	Books and publications						
5	Clothing and household goods						
6	Cars and other vehicles	X	1	125,000	FAIR MARKET VALUE		
7	Boats and planes	X	2	9,000	FAIR MARKET VALUE		
8	Intellectual property						
9	Securities - Publicly traded	X	15	282,771	NYSE		
10	Securities - Closely held stock						
11	Securities - Partnership, LLC, or trust interests						
12	Securities - Miscellaneous						
13	Qualified conservation contribution - Historic structures						
14	Qualified conservation contribution - Other						
15	Real estate - Residential						
16	Real estate - Commercial						
17	Real estate - Other						
18	Collectibles						
19	Food inventory						
20	Drugs and medical supplies						
21	Taxidermy						
22	Historical artifacts						
23	Scientific specimens						
24	Archeological artifacts						
25	Other ▶ (BUILDING EQUI)	X	3	43,547	FAIR MARKET VALUE		
26	Other ▶ (EQUIPMENT)	X	2	22,972	FAIR MARKET VALUE		
27	Other ▶ (EXHIBIT CONST)	X	3	22,167	FAIR MARKET VALUE		
28	Other ▶ ()						
29	Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement			29	0		
30a	During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which isn't required to be used for exempt purposes for the entire holding period?				30a	Yes	No
	b If "Yes," describe the arrangement in Part II.						X
31	Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions?				31	X	
32a	Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions?				32a		X
	b If "Yes," describe in Part II.						
33	If the organization didn't report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II.						

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule M (Form 990) (2016)

Part II

Supplemental Information. Provide the information required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part I, column (b), the number of contributions, the number of items received, or a combination of both. Also complete this part for any additional information.

Lined area for supplemental information.

SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or 990-EZ or to provide any additional information.
▶ Attach to Form 990 or 990-EZ.

▶ Information about Schedule O (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

Open to Public
Inspection

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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FORM 990, PART I, LINE 6 VOLUNTEERS

VOLUNTEERS WORKED IN MANY PROGRAM AREAS INCLUDING IN THE AQUARIUM,
ANIMAL CARE, THE SEA TURTLE PROGRAM, HIGH SCHOOL AND COLLEGE INTERNS,
ADVISORY BOARD, BOARD OF TRUSTEES, COMMUNITY SERVICE AND RESEARCH.

FORM 990, PART III, LINE 4A, DESCRIPTION OF PROGRAM SERVICE:

RESEARCH

MOTE IS AN INDEPENDENT, NONPROFIT 501(C)3 MARINE RESEARCH ORGANIZATION
WITH FIVE FLORIDA CAMPUSES FROM SARASOTA TO KEY WEST. AS OF LATE 2017,
MOTE HAS MORE THAN 20 RESEARCH PROGRAMS CONDUCTING WORLD-CLASS SCIENCE
NOT ONLY IN OUR HOME COMMUNITY OF SOUTHWEST FLORIDA, BUT IN OCEANS
AROUND THE WORLD.

MOTE HAS BEEN COMMITTED TO INNOVATIVE MARINE RESEARCH SINCE ITS
FOUNDING IN 1955. TODAY, MOTE REMAINS ONE OF THE FEW INDEPENDENT MARINE
LABS IN THE WORLD HAVING A GLOBAL IMPACT. AS SUCH, WE NURTURE THE
SCIENTIFIC INNOVATION AND FLEXIBILITY NEEDED TO ADDRESS THE MOST
PRESSING OCEAN ISSUES OF OUR TIME.

MOTE'S MISSION IS TO ADVANCE MARINE AND ENVIRONMENTAL SCIENCE THROUGH
RESEARCH, EDUCATION AND PUBLIC OUTREACH LEADING TO NEW DISCOVERIES,
REVITALIZATION AND SUSTAINABILITY OF EARTH'S OCEAN RESOURCES AND TO A
GREATER PUBLIC UNDERSTANDING OF OUR MARINE ECOSYSTEMS.

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990 or 990-EZ.

Schedule O (Form 990 or 990-EZ) (2016)

632211 08-25-16

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

MOTE IS FIRST AND FOREMOST A GLOBAL LEADER IN DIVERSE FIELDS OF MARINE RESEARCH RELEVANT TO CONSERVATION AND SUSTAINABLE USE OF MARINE BIODIVERSITY, HEALTHY HABITATS AND NATURAL RESOURCES.

MOTE IS ALSO UNIQUE AS ONE OF THE FEW INDEPENDENT SCIENTIFIC ORGANIZATIONS IN THE WORLD THAT COMBINES MARINE RESEARCH WITH PUBLIC OUTREACH FEATURING AN AQUARIUM, ALONG WITH FORMAL AND INFORMAL EDUCATION PROGRAMS. OUR VISION INCLUDES POSITIVELY IMPACTING PUBLIC POLICY BY BUILDING A MORE OCEAN-LITERATE SOCIETY. (VIEW MOTE'S 2020 VISION & STRATEGIC PLAN AT: WWW.MOTE.ORG/ABOUTUS)

MOTE'S RESEARCH ORIGINALLY FOCUSED ON SHARKS AND UNDERSTANDING THEIR BASIC BIOLOGY, BUT TODAY MOTE'S RESEARCH HAS EXPANDED TO INCLUDE THOUSANDS OF STUDIES THAT PROVIDE VITAL INFORMATION FOR RESOURCE MANAGERS AND THE PUBLIC.

OVER 62 YEARS, MOTE HAS GROWN FROM A ONE-ROOM FACILITY IN PLACIDA, FLORIDA, WHERE THE LEGENDARY SCIENTIST DR. EUGENIE CLARK - THE "SHARK LADY" - BEGAN THE OPERATION, TO A 10.5-ACRE CAMPUS ON SARASOTA BAY IN SARASOTA, FLORIDA, THE ELIZABETH MOORE INTERNATIONAL CENTER FOR CORAL REEF RESEARCH & RESTORATION ON SUMMERLAND KEY IN THE FLORIDA KEYS, A 200-ACRE STATE-OF-THE-ART MOTE AQUACULTURE RESEARCH PARK IN EASTERN SARASOTA COUNTY, A BOCA GRANDE OFFICE DESIGNED TO CONNECT THE COMMUNITY WITH MOTE'S RESEARCH IN CHARLOTTE HARBOR, AND A PUBLIC CORAL REEF EXHIBIT IN KEY WEST.

TODAY, MOTE HAS A STAFF OF 223 INCLUDING 35 DOCTORAL-LEVEL SCIENTISTS.

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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MOTE ALSO MAINTAINS A FANTASTIC GROUP OF VOLUNTEERS AND INTERNS WHO HAVE FILLED 1,698 POSITIONS IN THE PAST YEAR, RELATING TO VIRTUALLY EVERY ASPECT OF MOTE'S MISSION.

THROUGH OUR HISTORY, MOTE SCIENTISTS HAVE PUBLISHED THOUSANDS OF MOTE TECHNICAL REPORTS AND PAPERS IN PEER-REVIEWED SCIENTIFIC JOURNALS, INCLUDING WORK THAT HAS ADVANCED THE FIELDS OF SHARK BEHAVIOR AND BIOLOGY, OCEAN OBSERVING SYSTEMS, HARMFUL ALGAL BLOOM DYNAMICS, CORAL REEF RESEARCH, MARINE MAMMAL AND SEA TURTLE BIOLOGY AND POPULATION DYNAMICS, AQUACULTURE SYSTEMS RESEARCH AND DEVELOPMENT AND NUMEROUS OTHER AREAS OF FOCUS. MOTE IS CURRENTLY HOME TO THE NATIONAL CENTER FOR SHARK RESEARCH, THE ONLY SUCH CENTER IN THE U.S. TO RECEIVE A CONGRESSIONAL DESIGNATION. (MANY OF OUR WORKS ARE GATHERED IN MOTE'S ARTHUR VINING DAVIS LIBRARY. VISIT MOTE.ORG/LIBRARY AND SELECT DSPACE, AN OPEN ACCESS REPOSITORY. THE LIBRARY ALSO INCLUDES SEVERAL SPECIAL COLLECTIONS, INCLUDING WORKS BY OUTSTANDING MOTE-AFFILIATED SCIENTISTS DR. CHARLES BREDER, DR. PERRY GILBERT AND DR. EUGENIE CLARK.)

TODAY, MOTE'S DIVERSE RESEARCH PROGRAMS INCLUDE: STUDIES OF HUMAN CANCER CELLS USING MARINE MODELS AND THE EFFECTS OF MAN-MADE AND NATURAL TOXINS ON HUMANS AND ON THE ENVIRONMENT; THE HEALTH OF WILD FISHERIES; DEVELOPMENT OF SUSTAINABLE AND SUCCESSFUL FISH RESTOCKING TECHNIQUES AND FOOD PRODUCTION TECHNOLOGIES; AND DEVELOPMENT OF NEW OCEAN TECHNOLOGY TO BETTER UNDERSTAND THE HEALTH OF OUR ECOSYSTEMS.

MOTE RESEARCH PROGRAMS ALSO FOCUS ON STUDYING AND UNDERSTANDING THE GLOBAL THREATS FACING CORAL REEFS AND IMPLEMENTING INNOVATIVE CORAL RESTORATION EFFORTS. MOTE SCIENTISTS ALSO STUDY THE FOLLOWING SPECIES

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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GROUPS FROM A BIOLOGICAL, BIOCHEMICAL, ECOLOGICAL, BEHAVIORAL AND/OR HUMAN-INTERACTION PERSPECTIVE: ELASMOBRANCH FISHES (SHARKS, RAYS AND SKATES), MANATEES, DOLPHINS, SEA TURTLES AND STONE CRABS AND OTHER BENTHIC (BOTTOM DWELLING) ORGANISMS, WITH A FOCUS ON THEIR CONSERVATION AND MANAGEMENT. (FOR A FULL AND CURRENT LISTING OF MOTE MARINE LABORATORY'S RESEARCH PROGRAMS AND INITIATIVES, PLEASE VISIT MOTE.ORG.)

RESEARCH HIGHLIGHTS FROM THE LAST FISCAL YEAR, OCTOBER 2016 - SEPTEMBER 2017:

SIX GREAT WHITE SHARKS TAGGED OFF NANTUCKET:

OCEARCH AND COLLABORATING SCIENTISTS - INCLUDING MOTE RESEARCHERS - TAGGED AND SAMPLED SIX GREAT WHITE SHARKS OFF NANTUCKET, MASSACHUSETTS, DURING AN EXPEDITION THAT WRAPPED UP IN OCTOBER 2016. RESULTING DATA WILL HELP RESEARCHERS BETTER UNDERSTAND THE NORTH ATLANTIC WHITE SHARK POPULATION. TWO OF THE TAGGED SHARKS ARE MALES - THE FIRST MALES OF THEIR SPECIES SATELLITE TAGGED IN THE REGION.

MOTE RECEIVES NFWF GRANT TO ELECTRONICALLY MONITOR FISHERIES IN THE GULF OF MEXICO:

IN OCTOBER 2016, MOTE SCIENTISTS ANNOUNCED THEIR NEW GRANT OF MORE THAN \$500,000 FROM THE NATIONAL FISH AND WILDLIFE FOUNDATION (NFWF) TO CONTINUE ADVANCING ELECTRONIC MONITORING OF FISHERIES IN THE GULF OF MEXICO. IN MANY FISHERIES, THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION REQUIRES VESSELS TO SELF-REPORT DATA ON THEIR CATCH USING LOGBOOKS. THOUGH VALUABLE FOR SUSTAINING AND MANAGING FISHERIES, LOGBOOKS CAN'T ALWAYS PROVIDE THE DETAILED AND CONSISTENT DATA IDEAL FOR FISHERIES MANAGEMENT, AND IT IS NOT FINANCIALLY AFFORDABLE TO HAVE

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

TRAINED OBSERVERS ON ALL COMMERCIAL FISHING VESSELS IN THE GULF.

ELECTRONIC MONITORING, SUCH AS USING VIDEO CAMERAS THAT FILM THE FISH CAUGHT, CAN HELP MORE FISHERIES PROVIDE SUCH DATA.

INTERNATIONAL TEAM DOCUMENTS SAUDI ARABIA'S MYSTERIOUS CORAL REEFS:

U.S. AND SAUDI ARABIAN SCIENTISTS LAUNCHED THE MOST EXTENSIVE BASELINE SURVEY TO-DATE OF CORAL REEF ECOSYSTEMS ALONG THE SAUDI COAST OF THE GULF OF AQABA DURING LATE SEPTEMBER - INVESTIGATING MULTIPLE REEF SPECIES IN DETAIL TO SUPPORT CONSERVATION. IN OCTOBER 2016, EXPEDITION PARTNERS FROM MOTE MARINE LABORATORY IN FLORIDA AND KING ABDULAZIZ UNIVERSITY (KAU) IN JEDDAH, SAUDI ARABIA, ANNOUNCED PRELIMINARY FINDINGS FROM THE EXPEDITION, FOCUSING ON CORAL ABUNDANCE, DIVERSITY AND STRESS, ALONG WITH THE ABUNDANCE AND DIVERSITY OF BUTTERFLYFISH, SEA URCHINS, SEAGRASSES AND OTHER SPECIES THAT MAY INDICATE THE HEALTH OF THIS CRITICAL ENVIRONMENT.

GULF FISH AND WILDLIFE PATHWAYS REVEALED IN NEW REPORT, WITH MOTE CONTRIBUTIONS:

IN OCTOBER 2016, THE NATURE CONSERVANCY ANNOUNCED A NEW REPORT ON "BLUEWAYS," OR MIGRATION HIGHWAYS, USED BY MULTIPLE SPECIES IN THE GULF OF MEXICO.

THE REPORT ASSESSED GULF MIGRATORY AREAS FOR 26 SPECIES, INCLUDING FISH, SEA TURTLES, BIRDS AND MARINE MAMMALS THAT SPEND ALL OR PART OF THEIR TIME IN THE GULF. SCIENTISTS FROM MORE THAN 100 INSTITUTIONS CONTRIBUTED DATA AND RESOURCES, INCLUDING MOTE MARINE LABORATORY RESEARCHERS WHO HAVE FITTED WHALE SHARKS - EARTH'S LARGEST FISH - AND BULL SHARK WITH SATELLITE-LINKED TAGS TO TRACK THEIR MIGRATIONS.

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

MOTE HOSTS SECOND FORUM ON HOW SCIENTIST-AND-COMMUNITY PARTNERSHIPS
BENEFIT THE MARINE ENVIRONMENT:

ON NOV. 3, 2016, MOTE HOSTED A PUBLIC FORUM ON SCIENCE AND SOCIETY IN
SARASOTA, FOCUSING ON CASE STUDIES OF MOTE'S VOLUNTEER CITIZEN-SCIENCE
PARTNERSHIPS WITH THEIR COLLEAGUES FROM JAPAN AND FEATURING SEVERAL
EFFORTS WITH RECENT SUCCESSES AND OPPORTUNITIES WITH CITIZEN-SCIENCE
PROGRAMS IN FLORIDA AND BEYOND. ONE EXCITING ANNOUNCEMENT FROM THE
FORUM: A NEW SCUBANAUTS INTERNATIONAL CHAPTER FOR YOUTH DIVERS AGES
12-18 WAS BEING PLANNED AT MOTE IN SARASOTA (IT HAS SINCE BECOME
ACTIVE).

MOTE ADDS COLLIER COUNTY TO ITS BEACH CONDITIONS REPORTING SYSTEM,
DEBUTS NEW APP: IN NOVEMBER 2016, SOUTH MARCO, SEAGATE, VANDERBILT AND
BAREFOOT BEACHES BECAME THE FIRST COLLIER COUNTY SITES TO REPORT BEACH
CONDITIONS TO THE PUBLIC THROUGH MOTE MARINE LABORATORY'S BEACH
CONDITIONS REPORTING SYSTEM (BCRS). THE BCRS (VISITBEACHES.ORG)
PROVIDES TWICE-DAILY UPDATES ON CONDITIONS LIKE WAVE HEIGHT, WIND
DIRECTION, SURF CONDITIONS, PRESENCE OF SEAWEED OR DEAD FISH, RIP
CURRENTS, CAUTIONARY LIFEGUARD FLAGS AND RESPIRATORY IRRITATION DUE TO
THE HARMFUL ALGAL BLOOM FLORIDA RED TIDE. TRAINED VOLUNTEERS, SUCH AS
LIFEGUARDS AND PARK RANGERS, UPDATE THE SITE USING SMARTPHONES.

MOTE ALSO RELEASED THE BCRS APP DESIGNED TO GIVE SMARTPHONE USERS AN
EASIER WAY TO ACCESS BEACH CONDITION INFORMATION ON THE GO.

GRANT TO STUDY HOW IRON INFLUENCES HARMFUL ALGAL BLOOMS:

DR. JORDON BECKLER, MANAGER OF MOTE'S OCEAN TECHNOLOGY RESEARCH

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

PROGRAM, RECEIVED SUPPORT TO STUDY HOW IRON MAY AFFECT HARMFUL ALGAL BLOOMS (HABS) IN THE GULF OF MEXICO, THANKS TO A NEW EARLY-CAREER RESEARCH FELLOWSHIP AWARDED BY THE GULF RESEARCH PROGRAM OF THE NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE. THE TWO-YEAR FELLOWSHIP GRANT TOTALS \$76,000.

NEW INTERNATIONAL HUB FOR CORAL REEF RESEARCH AND RESTORATION: IN DECEMBER 2016, MOTE ANNOUNCED THE LAST STEPS OF OUTER CONSTRUCTION FOR ITS NEW ELIZABETH MOORE INTERNATIONAL CENTER FOR CORAL REEF RESEARCH & RESTORATION (IC2R3) AT ITS LONGSTANDING SUMMERLAND KEY CAMPUS. THE FACILITY OPENED TO SCIENTISTS IN MAY 2017, AND JUST MONTHS AFTERWARD, THIS CATEGORY 5 HURRICANE-RESISTANT FACILITY WAS PUT TO THE TEST BY HURRICANE IRMA. IC2R3 STOOD STRONG, PROTECTING MOTE'S CORAL GENE BANK AND ENSURING THAT MOTE'S CRUCIAL EFFORTS TO STUDY AND RESTORE CORAL REEFS, THE OCEAN'S "RAINFORESTS," WILL CONTINUE ADVANCING. IN NOVEMBER 2017, IC2R3 BECAME THE FIRST LEED GOLD COMMERCIAL-CERTIFIED FACILITY IN MONROE COUNTY, FLORIDA, RECOGNIZED BY THE U.S. GREEN BUILDING COUNCIL FOR ITS SUSTAINABLE DESIGN AND CONSTRUCTION.

AFTER IRMA, SCIENTISTS AT IC2R3 TOOK PART IN RAPID RECOVERY AND RESPONSE EFFORTS TO ASSESS SECTIONS OF THE FLORIDA REEF TRACY. THE POST-IRMA RAPID ASSESSMENT AND RECOVERY MISSIONS HAVE INVOLVED MULTIPLE NOAA PROGRAMS: OFFICE OF NATIONAL MARINE SANCTUARIES, FISHERIES HABITAT CONSERVATION, RESTORATION CENTER AND SOUTHEAST REGIONAL OFFICE, NATIONAL CENTERS FOR COASTAL OCEAN SCIENCE, AND THE OFFICE FOR COASTAL MANAGEMENT'S CORAL REEF CONSERVATION PROGRAM. ADDITIONAL PARTNERS INCLUDED FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, FLORIDA FISH & WILDLIFE CONSERVATION COMMISSION, NATIONAL PARK SERVICE, NOVA

Name of the organization	Employer identification number
MOTE MARINE LABORATORY, INC.	59-0756643

SOUTHEASTERN UNIVERSITY, CORAL RESTORATION FOUNDATION, THE NATURE CONSERVANCY, FLORIDA AQUARIUM CENTER FOR CONSERVATION, MOTE MARINE LABORATORY, FORCE BLUE, AND THE NATIONAL FISH AND WILDLIFE FOUNDATION.

SCIENTIFIC PRODUCTIVITY: OVER THE COURSE OF 2017, MOTE SCIENTISTS AUTHORED OR CO-AUTHORED 59 PEER-REVIEWED, SCIENTIFIC JOURNAL ARTICLES, GUEST-EDITED A SPECIAL ISSUE OF A SCIENTIFIC JOURNAL, AUTHORED OR EDITED THREE BOOKS AND SIX CHAPTERS, PRODUCED TWO PUBLISHED CONFERENCE PROCEEDINGS AND 94 MOTE TECHNICAL REPORTS.

MASS STRANDING RESPONSE: IN JANUARY 2017, MOTE SCIENTISTS JOINED A MULTI-AGENCY TEAM RESPONDING TO 95 FALSE KILLER WHALES STRANDED ALONG MANGROVE-DENSE BEACHES OF THE FLORIDA EVERGLADES. PARTNERS INCLUDED NOAA FISHERIES, THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC), THE NATIONAL PARK SERVICE, MOTE MARINE LAB, CHICAGO ZOOLOGICAL SOCIETY, DOLPHINS PLUS OCEANSIDE MARINE MAMMAL RESPONDERS, HARBOR BRANCH OCEANOGRAPHIC INSTITUTE, MARINE ANIMAL RESCUE SOCIETY, ROOKERY BAY NATIONAL ESTUARINE RESEARCH RESERVE, THE UNIVERSITY OF FLORIDA, THE U.S. COAST GUARD AND THE U.S. GEOLOGICAL SURVEY.

CORAL RESTORATION LEADER HONORED: MOTE SENIOR SCIENTIST DR. DAVID VAUGHAN, KNOWN FOR HIS DEDICATED EFFORTS TO RESTORE CORAL REEFS, WAS RECOGNIZED BY THE U.S. CORAL REEF TASK FORCE ([HTTPS://MOTE.ORG/NEWS/ARTICLE/MOTE-SCIENTIST-RECOGNIZED-BY-U.S.-CORAL-](https://mote.org/news/article/mote-scientist-recognized-by-u.s.-coral-) AND HONORED WITH A PRESTIGIOUS CONSERVATION AWARD FROM THE FIELD MUSEUM IN CHICAGO ([HTTPS://MOTE.ORG/NEWS/ARTICLE/MOTE-SCIENTIST-RECEIVES-PARKER-GENTRY-CO](https://mote.org/news/article/mote-scientist-receives-parker-gentry-co)

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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STUDY SHOWS THAT FEEDING WILD DOLPHINS CAN HURT THEM: MOTE SCIENTISTS CONTRIBUTED TO A NEW, PUBLISHED STUDY REVEALING THAT WILD DOLPHINS ARE MORE LIKELY TO BE INJURED IF HUMANS FEED THEM - EVEN THROUGH UNINTENTIONAL MEANS LIKE DISCARDING BAIT. THE RESEARCHERS INVESTIGATED WHY BOTTLENOSE DOLPHINS BEGIN SEEKING HUMAN-PROVIDED FOOD AND HOW THIS AFFECTS THEIR RISK OF INJURY. THE PAPER'S LEAD AUTHOR FROM MURDOCH UNIVERSITY IN WESTERN AUSTRALIA AND RESEARCHERS FROM THE UNIVERSITY OF ABERDEEN IN SCOTLAND ANALYZED DATA COLLECTED FROM 1993-2014 BY THE CHICAGO ZOOLOGICAL SOCIETY/BROOKFIELD ZOO'S SARASOTA DOLPHIN RESEARCH PROGRAM WILD DOLPHIN EXPERTS AND MOTE MARINE LABORATORY'S STRANDING INVESTIGATIONS PROGRAM.

NEWS RELEASE:

[HTTPS://MOTE.ORG/NEWS/ARTICLE/FEEDING-WILD-DOLPHINS-CAN-HURT-THEM-NEW-S](https://mote.org/news/article/feeding-wild-dolphins-can-hurt-them-new-s)

SEA TURTLE TRACKED: IN FEBRUARY, MOTE'S SEA TURTLE REHABILITATION HOSPITAL RELEASED A MALE LOGGERHEAD SEA TURTLE NICKNAMED "SEA SALT." MOTE'S SEA TURTLE CONSERVATION & RESEARCH PROGRAM FITTED SEA SALT WITH A SATELLITE TRANSMITTER TAG THAT TRACKED THE TURTLE'S MIGRATION UNTIL LATE JULY. BY THEN, HE HAD TRAVELED A MEANDERING PATH UP, DOWN AND OFFSHORE OF THE SOUTHWEST FLORIDA COAST, SWIMMING A TOTAL DISTANCE OF ABOUT 1,470 MILES (2,366 KILOMETERS), ACCORDING TO HIS TRACK ON SEATURTLE.ORG, AND COVERING ABOUT AN 80-MILE RANGE NORTH TO SOUTH ALONG THE COAST, ACCORDING TO MOTE'S SEA TURTLE CONSERVATION & RESEARCH PROGRAM.

RED TIDE RESEARCH SUPPORTED IN BOCA GRANDE, FLORIDA: ON FEB. 23, 2017, MOTE PRESIDENT & CEO DR. MICHAEL P. CROSBY ANNOUNCED THAT ANONYMOUS SUPPORTERS DONATED \$100,000 TO HELP MOTE SCIENTISTS EXPAND THEIR RED

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

TIDE-RELATED RESEARCH AND OUTREACH EFFORTS IN BOCA GRANDE. THE DONORS CHALLENGED THE SOUTHWEST FLORIDA COMMUNITY TO MATCH AND EXCEED THIS PHILANTHROPIC INVESTMENT TO SUPPORT MOTE'S EFFORTS TO ADDRESS HARMFUL ALGAL BLOOM IMPACTS IN BOCA GRANDE.

RED TIDE-MONITORING HABSCOPE PROJECT ADVANCES: MOTE STAFF SCIENTIST DR. TRACY FANARA AND MOTE VOLUNTEERS HELPED ADVANCE A MULTI-PARTNER HABSCOPE PROJECT, FUNDED BY A GRANT FROM NASA'S RESEARCH OPPORTUNITIES IN SPACE AND EARTH SCIENCE PROGRAM. THE PROJECT, LED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WITH PARTNERS FROM THE GULF OF MEXICO COASTAL OCEAN OBSERVING SYSTEM (GCOOS), MOTE AND THE FLORIDA DEPARTMENT OF HEALTH, INVOLVES DEVELOPING AND DEPLOYING A SMARTPHONE-MICROSCOPE SETUP - THE HABSCOPE SYSTEM - TO ENHANCE MONITORING OF RED TIDE.

BY DECEMBER 2017, 11 MOTE VOLUNTEERS IN NINE DIFFERENT LOCATIONS HAD BEEN TRAINED TO USE THE HABSCOPE SYSTEM TO SAMPLE ONCE PER WEEK WHEN NO RED TIDE BLOOM IS DETECTED. WHEN ELEVATED CELL COUNTS OF K. BREVIS BEGAN TO BE DETECTED BY HABSCOPE AND OTHER MONITORING EFFORTS IN FALL 2017, VOLUNTEERS BEGAN SAMPLING THREE TIMES A WEEK. AS OF DECEMBER 2017, HABSCOPE RESULTS WERE BEING REVIEWED BY MOTE SCIENTISTS AND VALIDATED BY STANDARD CELL-COUNTING METHODS.

ANEMONE MODEL STUDY ADVANCING KNOWLEDGE OF CORALS: DR. EMILY HALL OF MOTE DR. CORY KREDIET OF ECKERD COLLEGE RECEIVED A PROTECT OUR REEFS LICENSE PLATE GRANT TO STUDY OCEAN ACIDIFICATION AND CLIMATE CHANGE EFFECTS ON CORALS USING A SEA ANEMONE AS A MODEL ORGANISM, MOTE ANNOUNCED IN MARCH 2017. THE PROJECT HAS FOCUSED ON USING A SEA

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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ANEMONE, AIPTASIA, AS A MODEL SYSTEM TO BETTER UNDERSTAND WHAT CHANGING TEMPERATURE AND PH CONDITIONS CAN HAVE ON CORALS SO SCIENTISTS CAN BE BETTER EQUIPPED TO CONSERVE CORALS AND PROTECT THEM FROM ENVIRONMENTAL STRESSORS SUCH AS BLEACHING, CLIMATE CHANGE AND OCEAN ACIDIFICATION. BY DECEMBER 2017, THE RESEARCHERS FINISHED THEIR FIRST OCEAN ACIDIFICATION AND TEMPERATURE STUDY WITH AIPTASIA ANEMONES AND WERE PROCESSING THE RESULTS, WHILE PLANNING TO CONTINUE LAB WORK ON THIS TOPIC DURING SUMMER AND FALL 2018.

GREAT WHITE AND TIGER SHARKS TRACKED: OCEARCH AND ITS TEAM OF COLLABORATING SCIENTISTS, INCLUDING MOTE SENIOR SCIENTIST DR. ROBERT HUETER, TAGGED AND TRACKED TWO GREAT WHITE SHARKS AND TWO TIGER SHARKS WITH SATELLITE TRANSMITTERS DURING A THREE-WEEK EXPEDITION THAT CONCLUDED IN MARCH 2017 OFF SOUTH CAROLINA AND GEORGIA.

IN AUGUST 2017, ANOTHER OCEARCH EXPEDITION INVOLVING MOTE SCIENTISTS, NEAR THE EASTERN PART OF LONG ISLAND, RESULTED IN SATELLITE TAGGING 11 BABY GREAT WHITE SHARKS, AND IDENTIFICATION AND/OR SATELLITE TAGGING OF SEVERAL OTHER SPECIES OF LARGE, OCEANIC SHARKS.

MOTE SENIOR SCIENTIST DR. ROBERT HUETER TOOK ON THE ADDITIONAL ROLE OF CHIEF SCIENCE ADVISOR TO OCEARCH, TO ADVANCE SHARK SCIENCE AND CONSERVATION IN PARTNERSHIP WITH OCEARCH AND THEIR AFFILIATE, JACKSONVILLE UNIVERSITY.

BETTER UNDERSTANDING MANATEES' INCREDIBLE SENSE OF TOUCH: IN MARCH, MOTE ANNOUNCED A NEW PEER-REVIEWED STUDY SHOWING THAT SPECIAL BODY HAIRS HELP MANATEES SENSE WATER MOVEMENTS SMALLER THAN THE PERIOD AT

Name of the organization MOTE MARINE LABORATORY, INC. -	Employer identification number 59-0756643
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THE END OF THIS SENTENCE - LIKELY HELPING THEM FEEL THEIR WAY THROUGH A THREE-DIMENSIONAL, UNDERWATER WORLD WHERE THEIR VISION IS LIMITED.

STUDY AUTHORS FROM PITTSBURGH ZOO & PPG AQUARIUM, NEW COLLEGE OF FLORIDA, MOTE, LOGGERHEAD INSTRUMENTS AND THE UNIVERSITY OF FLORIDA CONDUCTED THE STUDY WITH TWO IMPORTANT, WILLING PARTICIPANTS: MOTE'S RESIDENT MANATEES, HUGH AND BUFFETT. NEWS RELEASE:

[HTTPS://MOTE.ORG/NEWS/ARTICLE/SUPER-SENSE-KEEPS-MANATEES-IN-TOUCH-WITH-](https://mote.org/news/article/super-sense-keeps-manatees-in-touch-with-seagrass-study-in-australian-world-heritage-site)

SEAGRASS STUDY IN AUSTRALIAN WORLD HERITAGE SITE: IN APRIL 2017, SCIENTISTS ANNOUNCED THAT MASSIVE SEAGRASS BEDS IN WESTERN AUSTRALIA'S SHARK BAY - A UNESCO WORLD HERITAGE SITE - HAD NOT RECOVERED MUCH FROM THE DEVASTATING HEAT WAVE OF 2011, ACCORDING TO THEIR NEW STUDY DEMONSTRATING HOW CERTAIN VITAL ECOSYSTEMS MAY CHANGE DRASTICALLY IN A WARMING CLIMATE.

THE PEER-REVIEWED STUDY IN MARINE ECOLOGY PROGRESS SERIES WAS LED BY DR. ROB NOWICKI, A MOTE POSTDOCTORAL RESEARCH FELLOW WHO CONDUCTED THE FIELDWORK WHILE EARNING HIS DOCTORATE FROM FLORIDA INTERNATIONAL UNIVERSITY (FIU). DR. MICHAEL HEITHAUS, DEAN OF FIU'S COLLEGE OF ARTS & SCIENCES, AND COLLEAGUES FROM MULTIPLE INSTITUTIONS HAVE STUDIED SHARK BAY'S ECOSYSTEM FOR MORE THAN 20 YEARS. THE NEW STUDY INCLUDED PARTNERS FROM FIU, DEAKIN UNIVERSITY IN AUSTRALIA AND NOVA SOUTHEASTERN UNIVERSITY IN FORT LAUDERDALE, FLORIDA. NEWS RELEASE:

[HTTPS://MOTE.ORG/NEWS/ARTICLE/SEAGRASSES-IN-WORLD-HERITAGE-SITE-NOT-REC](https://mote.org/news/article/seagrasses-in-world-heritage-site-not-rec)

SCIENTISTS AND STUDENTS TAG 34 SHARKS: THIRTY-FOUR SHARKS WERE TAGGED ALONG FLORIDA'S GULF COAST FOR STUDIES DESIGNED TO BENEFIT THEIR

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

POPULATIONS DURING A SUCCESSFUL RESEARCH CRUISE CONDUCTED APRIL 17-21 BY FIVE SCIENTISTS, TWO GRADUATE AND 40 UNDERGRADUATE STUDENTS FROM NEW COLLEGE OF FLORIDA, ECKERD COLLEGE, MOTE, THE SARASOTA DOLPHIN RESEARCH PROGRAM AND THE NATURE CONSERVANCY.

THE TEAM ATTACHED IDENTIFICATION TAGS TO 21 BLACKTIP SHARKS, INCLUDING 10 FEMALES REVEALED TO BE PREGNANT BY ULTRASOUND; SIX BULL SHARKS; THREE BLACKNOSE SHARKS; AND FOUR TIGER SHARKS. OF THOSE, ONE BLACKTIP AND FIVE BULL SHARKS RECEIVED ACOUSTIC TAGS THAT WILL PING WHEN THE SHARKS PASS UNDERWATER RECEIVERS IN BAY PASSES, AND ONE BULL SHARK AND ONE TIGER SHARK WERE TAGGED BY TNC SCIENTISTS WITH SATELLITE TRANSMITTERS TO TRACK THEIR MIGRATORY MOVEMENTS IN THE GULF. A SARASOTA DOLPHIN RESEARCH PROGRAM PH.D. STUDENT WITH UNIVERSITY OF FLORIDA WAS INVOLVED IN TAGGING AND TRACKING BULL SHARKS DURING THIS CRUISE TO SUPPORT HER DOCTORAL RESEARCH ON SHARK-DOLPHIN INTERACTIONS.

OIL-SPILL RESEARCH ADVANCES: THROUGH THEIR ONGOING EFFORTS IN OIL-SPILL RESEARCH CONSORTIUM C-IMAGE, SCIENTISTS FROM MOTE'S ENVIRONMENTAL LABORATORY FOR FORENSICS AND MOTE'S MARINE & FRESHWATER AQUACULTURE RESEARCH PROGRAM COLLECTED 1,564 BLOOD AND TISSUE SAMPLES FROM FISH EXPOSED TO VARYING CONCENTRATIONS OF OIL COMPONENTS IN ONGOING STUDIES AT MOTE AQUACULTURE RESEARCH PARK. THE SCIENTISTS CONTINUED EVALUATING THE HEALTH OF GULF OF MEXICO REDFISH, FLOUNDER AND POMPANO IN THEIR MULTI-YEAR SERIES OF STUDIES FOCUSING ON HOW FISH ARE AFFECTED BY OIL COMPOUNDS IN THEIR DIET, IN SEDIMENTS AND IN WATER. BY STUDYING WHETHER EXPOSED FISH EXPERIENCE DNA DAMAGE, IMMUNE FUNCTION CHANGES, REPRODUCTIVE DYSFUNCTIONS OR OTHER IMPACTS, THE RESEARCHERS HOPE TO HELP ELUCIDATE HOW WILD FISH WERE AFFECTED BY DEEPWATER HORIZON AND SET

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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THE STAGE TO BETTER UNDERSTAND FUTURE SPILLS. AS OF LATE 2017, PRELIMINARY DATA SUGGEST THAT OIL-EXPOSED FISH TEND TO HAVE SUPPRESSED IMMUNE SYSTEM FUNCTION, WHETHER THEY ENCOUNTER OIL COMPOUNDS IN THEIR FOOD OR WATER. THESE AND OTHER FINDINGS FROM THE LAB WILL HELP RESEARCHERS KNOW WHAT IMPACTS TO CHECK FOR IN WILD FISH.

NEW FUNDING SUPPORT: TO HELP C-IMAGE PARTNERS CONTINUE THEIR OIL SPILL STUDIES AND SYNTHESIZE RESULTS OVER THE NEXT TWO YEARS, THE GULF OF MEXICO RESEARCH INITIATIVE AWARDED A \$5 MILLION GRANT TO THE UNIVERSITY OF SOUTH FLORIDA, THE BASE OF C-IMAGE. READ THE SEPTEMBER 2017 ANNOUNCEMENT: [HTTP://NEWS.USF.EDU/ARTICLE/TEMPLATES/?A=8057&Z=220SN](http://news.usf.edu/article/templates/?a=8057&z=220sn)

PATENTED METHOD TO DISTINGUISH MALE AND FEMALE FISH:

ON MAY 16, 2017, THE UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT NO. 9,651,565 TO MOTE MARINE LABORATORY FOR "FISH SEXUAL CHARACTERISTIC DETERMINATION USING PEPTIDE HORMONES." THIS INNOVATIVE METHOD AND TEST KIT MEASURES SPECIFIC HORMONE CONCENTRATIONS TO DETERMINE WHICH FISH ARE MALE OR FEMALE, SUCCEEDING WITH YOUNGER FISH THAN OTHER METHODOLOGY CAN ASSESS. MOTE'S METHOD IS USEFUL FOR STURGEON FARMING OPERATIONS THAT AIM TO SEPARATE YOUNG MALE FISH FROM FEMALES, TO DEVOTE GREATER TIME AND RESOURCES TO THE HIGH-VALUE, CAVIAR-PRODUCING FEMALES. THE METHOD AND TEST KIT CAN ALSO BE USED TO STUDY THE LIFE HISTORY OF WILD FISH. THIS TECHNOLOGY WAS INVENTED BY MOTE SENIOR SCIENTISTS DR. DANA WETZEL AND DR. JOHN REYNOLDS, AND DR. WILLIAM ROUDEBUSH FROM UNIVERSITY OF SOUTH CAROLINA.

FUNDING SUPPORT FOR CORAL REEF RESTORATION: IN THE FLORIDA BUDGET RELEASED JUNE 2, 2017, A TOTAL OF \$500,000 WAS APPROPRIATED BY

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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FLORIDA'S LEGISLATORS AND APPROVED BY THE GOVERNOR FOR MOTE'S CORAL REEF RESTORATION INITIATIVE, IN COORDINATION WITH THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION AND DEPARTMENT OF ENVIRONMENTAL PROTECTION. THE FUNDING APPLIES TO A ONE-YEAR EFFORT TO RESTORE APPROXIMATELY 25,000 CORALS IN FLORIDA KEYS LOCATIONS FROM BAHIA HONDA TO KEY WEST.

SNOOK RAISED BY MOTE RELEASED FOR FISHERIES STUDIES: MOTE SCIENTISTS RELEASED APPROXIMATELY 1,381 JUVENILE SNOOK INTO PHILLIPPI CREEK IN SARASOTA COUNTY FOR ONGOING STUDIES OF HABITAT-USE PATTERNS, AND 926 JUVENILE SNOOK INTO NORTH CREEK, SARASOTA COUNTY, FOR ONGOING STUDIES OF POST-RELEASE SURVIVAL OF THESE IMPORTANT SPORT FISH. THE FISH WERE RAISED AT MOTE AQUACULTURE RESEARCH PARK AND FITTED WITH PIT TAGS (PASSIVE INTEGRATED TRANSPONDERS), WHICH WILL BE DETECTED WHEN THE SNOOK SWIM NEAR SOLAR-POWERED ANTENNA ARRAYS INSTALLED AT CREEK-FRONT PROPERTIES. STUDY RESULTS ARE INTENDED TO HELP INFORM RESOURCE MANAGERS AND THE COMMUNITY TO HELP SUPPORT SNOOK POPULATIONS INTO THE FUTURE.

THIS RELEASE WAS ONE OF SEVERAL CONDUCTED FOR SNOOK STUDIES OVER THE PAST TWO YEARS. BY THE END OF 2017, MOTE SCIENTISTS REPORTED THAT THEY HAD RELEASED A TOTAL OF 5,717 TAGGED SNOOK (WITH PIT TAGS DETECTABLE BY ANTENNA OR WITH CODED WIRE TAGS) IN THE PAST TWO YEARS, PART OF A LONG-TERM EFFORT THAT HAS INVOLVED RELEASING 61,000 SNOOK TO LOCAL WATERS OVER DECADES.

STUDY REVEALS CORAL DISEASE SURPRISE: CORAL REEFS FACE INTENSIFYING STRUGGLES AS GREENHOUSE GASES WARM AND ACIDIFY THE OCEAN, BUT A STUDY RELEASED IN SUMMER 2017 HIGHLIGHTED A POTENTIAL SILVER LINING: SOME

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

CORAL DISEASES MIGHT ALSO DWINDLE AMID ENVIRONMENTAL CHANGE. THE CONTROLLED LAB STUDY LED BY MOTE AND PUBLISHED JUNE 1, 2017, IN THE PEER-REVIEWED JOURNAL PLOS ONE REVEALED THAT BLACK BAND DISEASE WAS LESS DEADLY TO MOUNTAINOUS STAR CORAL (ORBICELLA FAVEOLATA) AS WATER ACIDIFIED, OR DECREASED IN PH. NEWS RELEASE:

[HTTPS://MOTE.ORG/NEWS/ARTICLE/NEW-STUDY-COULD-ACIDIFYING-OCEANS-SLOW-DO](https://mote.org/news/article/new-study-could-acidifying-oceans-slow-do)

SMARTPHONE APP FOR REPORTING RED TIDE: IN JUNE 2017, MOTE SCIENTISTS ANNOUNCED A NEW SMARTPHONE APP THAT ALLOWS THE PUBLIC TO SELF-REPORT IMPACTS OF FLORIDA RED TIDE ALGAE (KARENIA BREVIS). THE FREE APP, CITIZEN SCIENCE INFORMATION COLLABORATION (CSIC), ALLOWS IPHONE AND ANDROID USERS TO REPORT WHEN AND WHERE THEY EXPERIENCE RESPIRATORY IRRITATION OR SEE DISCOLORED WATER OR DEAD FISH - ALL POTENTIAL INDICATIONS OF FLORIDA RED TIDE.

CORAL RESTORATION PARTNERS SHINE: SOME 36 MEMBERS OF THE COMBAT WOUNDED VETERAN CHALLENGE AND SCUBANAUTS INTERNATIONAL JOINED FORCES WITH HALF-A-DOZEN MOTE SCIENTISTS TO PLANT 500 CORALS IN A DAY NEAR LOOE KEY. THAT'S THE LARGEST NUMBER THE GROUPS HAVE PLANTED IN A SINGLE DAY SINCE THEY BEGAN WORKING TOGETHER IN 2012. THIS PLANTING AREA WAS LATER SIGNIFICANTLY AFFECTED BY HURRICANE IRMA, UNDERSCORING THE NEED FOR MOTE SCIENTISTS TO MOVE FORWARD WITH CORAL REEF RESTORATION AT A MASSIVE SCALE, REDOUBLING EFFORTS TO AID THESE "RAINFORESTS OF THE SEA."

MOTE NAMED NONPROFIT OF THE YEAR FOR ENVIRONMENT AND ANIMALS: MOTE MARINE LABORATORY & AQUARIUM WAS NAMED TAMPA BAY BUSINESS JOURNAL'S 2017 NONPROFIT OF THE YEAR IN THE ENVIRONMENT AND ANIMALS CATEGORY AT

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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AN AWARDS LUNCHEON ON JUNE 8. THE TAMPA LUNCHEON HONORED 38 FINALISTS FOR NONPROFIT OF THE YEAR ACROSS SEVEN CATEGORIES: ARTS, CULTURE AND HUMANITIES; CRISIS RESOURCES; EDUCATION; ENVIRONMENT AND ANIMALS; FAMILY SERVICES; HEALTH AND HUMAN SERVICES; AND PUBLIC AND SOCIETAL BENEFIT. MOTE WON AMONG FIVE FINALISTS IN THE ENVIRONMENT AND ANIMALS CATEGORY.

DIVERS PROTECT MORE THAN 1 MILLION FISH FROM INVASIVE LIONFISH DIVERS REMOVED 1,079 INVASIVE LIONFISH FROM THE GULF OF MEXICO, SAVING AN ESTIMATED TOTAL OF AT LEAST 1.6 MILLION FISH FROM THE INVASIVE PREDATOR DURING THE FOURTH ANNUAL SARASOTA LIONFISH DERBY HELD AT MOTE IN SARASOTA, FLORIDA.

INVESTIGATING HOW TO FARM A TASTY GULF OF MEXICO FISH: IN MAY 2017, MOTE SCIENTISTS LAUNCHED THEIR NEW STUDY ON EXPANDING THE SUPPLY OF ALMACO JACK FOR OFFSHORE AQUACULTURE - A FISH SERVED AS SUSHI OR IN COOKED DISHES IN SOME PARTS OF THE WORLD, BUT NEVER BEFORE FARMED IN ONE OF ITS MAJOR HABITATS, THE GULF OF MEXICO.

BY STUDYING HOW TO RAISE AND SPAWN GULF STOCKS OF ALMACO JACK IN SUSTAINABLE, LAND-BASED AQUACULTURE SYSTEMS, MOTE SCIENTISTS HOPE TO PROVIDE ESSENTIAL KNOWLEDGE TO HELP THE AQUACULTURE INDUSTRY PRODUCE HEALTHY, JUVENILE ALMACO JACK IN LAND-BASED FARMS TO SUPPLY OFFSHORE CAGE FARMS. IN AUGUST 2017, THE CAPTIVE BROODSTOCK BEGAN VOLITIONAL SPAWNING AND SPAWNED NEARLY EVERY DAY THROUGH OCTOBER. THIS RESEARCH UNDERSCORES A NEW OPPORTUNITY FOR GULF-BASED AQUACULTURE. IN JANUARY 2016, THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ANNOUNCED THE FISHERY MANAGEMENT PLAN FOR REGULATING OFFSHORE MARINE

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

AQUACULTURE IN THE GULF OF MEXICO (GULF AQUACULTURE PLAN), WHICH WILL ALLOW AS MANY AS 20 OFFSHORE AQUACULTURE OPERATIONS IN GULF WATERS TO BE PERMITTED OVER 10 YEARS.

TWO YEAR PROJECT RESTORES MORE THAN 12,000 CORALS: MOTE SCIENTISTS AND CITIZEN-SCIENCE VOLUNTEERS COMPLETED A TWO-YEAR EFFORT TO PLANT 12,000 CORALS ALONG FORT ZACHARY TAYLOR HISTORIC STATE PARK IN KEY WEST DURING AUGUST 2017.

THE PROJECT, FUNDED BY MONROE COUNTY TOURIST DEVELOPMENT COUNCIL, INVOLVED PLANTING MORE THAN 12,000 FRAGMENTS OF FIVE CORAL SPECIES ALONG A PUBLICLY ACCESSIBLE SNORKEL TRAIL DURING SUMMER 2016 AND 2017. MOST OF THE RESTORED CORALS WERE RESCUED BY NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION, PROPAGATED BY MOTE SCIENTISTS AND OUTPLANTED IN THE SAME GENERAL AREA WHERE THEY WERE INITIALLY FOUND. THE OUTPLANTING AREA IS REPRESENTED BY EDUCATIONAL SIGNS ON SHORE AND AT NOAA'S FLORIDA KEYS ECO-DISCOVERY CENTER IN KEY WEST.

THESE OUTPLANTED CORALS REMAIN IN GOOD CONDITION FOLLOWING HURRICANE IRMA, WHICH SCOURED SOME OTHER PARTS OF FLORIDA'S REEFS.

STUDY ILLUMINATES IMPLICATIONS OF PROPOSED U.S. SHARK FIN TRADE BAN: IN SEPTEMBER 2017, MOTE ANNOUNCED A NEW STUDY IN THE SCIENTIFIC JOURNAL MARINE POLICY, WHICH SHOWS THAT BANNING THE SALE OF SHARK FINS IN THE UNITED STATES CAN ACTUALLY HARM ONGOING SHARK CONSERVATION EFFORTS.

STUDY AUTHORS DR. DAVID SHIFFMAN OF SIMON FRASER UNIVERSITY'S EARTH2OCEAN RESEARCH GROUP AND DR. ROBERT HUETER FROM THE CENTER FOR

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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SHARK RESEARCH AT MOTE SAY THAT THE PROPOSED SHARK FIN SALES
ELIMINATION ACT OF 2017, A BILL CURRENTLY IN COMMITTEE IN U.S.
CONGRESS, IS A MISGUIDED AND INEFFECTIVE APPROACH TO PROTECTING SHARKS.

NEWS RELEASE:

[HTTPS://MOTE.ORG/NEWS/ARTICLE/NEW-STUDY-SHOWS-BANNING-SHARK-FIN-IN-U.S.](https://mote.org/news/article/new-study-shows-banning-shark-fin-in-u.s)

RECORD YEAR FOR DOLPHIN CALVES BORN IN SARASOTA BAY: A RECORD NUMBER OF
BOTTLENOSE DOLPHIN CALVES WERE DOCUMENTED IN 2017 IN SARASOTA BAY,
FLORIDA, BY THE SARASOTA DOLPHIN RESEARCH PROGRAM (SDRP), A CHICAGO
ZOOLOGICAL SOCIETY PROGRAM IN COLLABORATION WITH MOTE. DURING THE 2017,
21 NEW CALVES JOINED UP TO FIVE CONCURRENT GENERATIONS OF LONG-TERM
RESIDENT DOLPHINS IN THE BAY. AS OF DECEMBER 2017, 17 OF THOSE CALVES
HAD SURVIVED. SINCE THE INITIATION OF THEIR RESEARCH IN 1970, SDRP HAS
DOCUMENTED BIRTHS BY FEMALE DOLPHINS RANGING IN AGE FROM 6 TO 48 YEARS,
INCLUDING THE OLDEST KNOWN BOTTLENOSE DOLPHIN, NICKLO, WHO IS NOW 67,
AND GINGER, A DOLPHIN REHABILITATED AND RELEASED BY MOTE'S DOLPHIN &
WHALE HOSPITAL IN 2009, WHO HAD HER SECOND CALF IN 2017.

FORM 990, PART III, LINE 4B, DESCRIPTION OF PROGRAM SERVICE:

AQUARIUM

MOTE AQUARIUM IS THE PUBLIC OUTREACH ARM OF MOTE MARINE LABORATORY,
DISPLAYING MORE THAN 398 MARINE SPECIES WITH A FOCUS ON LOCAL MARINE
LIFE. WHILE MOTE MARINE LABORATORY WAS ESTABLISHED IN 1955, THE
AQUARIUM OPENED IN 1980 ON CITY ISLAND IN SARASOTA BAY. MOTE AQUARIUM
IS THE MAIN VENUE THROUGH WHICH MOTE MARINE LABORATORY COMMUNICATES ITS
CUTTING-EDGE RESEARCH FINDINGS. LOCATED ON MOTE'S MAIN CAMPUS IN

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

SARASOTA, FLORIDA, THE AQUARIUM HAS PLAYED A KEY ROLE IN MOTE'S OUTREACH EFFORTS SINCE 1980 BY PRESENTING EXHIBITS AND PROGRAMS THAT REFLECT ONGOING RESEARCH IN THE LABORATORY AND THAT STIMULATE CURIOSITY, DISCOVERY, EXPLORATION AND STEWARDSHIP OF AQUATIC ENVIRONMENTS.

IN 2017, 333,515 GUESTS VISITED THE AQUARIUM WITH MOTE'S MOBILE PUBLIC PROGRAMS AND TRAVELING EXHIBITS REACHING 12,938 PEOPLE. VISITORS OF THE AQUARIUM CAN SEE SHARKS, MANATEES, SEA TURTLES, RIVER OTTERS, CROCODILIANS, SEAHORSES, RAYS, SKATES AND INVERTEBRATES. MOTE AQUARIUM ALSO INCLUDES WINDOWS INTO MOTE'S WORKING LABORATORIES.

MOTE DEBUTED TWO EXHIBITS IN 2017, "SEA DEBRIS: AWARENESS THROUGH ART," FEATURING "WASHED ASHORE" AND "THE TEETH BENEATH." "SEA DEBRIS" EDUCATES VISITORS ON THE PLASTIC EPIDEMIC THAT IS IMPACTING OUR OCEANS. THROUGHOUT THE AQUARIUM LARGER-THAN-LIFE, MARINE-INSPIRED SCULPTURES MADE ENTIRELY OUT OF PLASTIC GATHERED FROM THE OREGON COASTLINE INCLUDING, GRETA THE GREAT WHITE SHARK, NATASHA THE TURTLE AND OTHER OCEANIC FRIENDS CAN BE VIEWED FROM 360 DEGREES. THESE HANDMADE PIECES RANGE FROM 15 FEET LONG AND 10 FEET WIDE TO SEVEN FEET LONG AND EIGHT FEET HIGH. THESE SEVEN REALISTIC BUT WHIMSICAL SCULPTURES FASCINATE AND EDUCATE CHILDREN, THE YOUNG AT HEART AND ALL THOSE WHO SEEK CREATIVE SOLUTIONS TO ENVIRONMENTAL CHALLENGES. "SEA DEBRIS" WILL BE ON DISPLAY THROUGH EARLY JUNE 2018.

"THE TEETH BENEATH," WHICH OPENED IN EARLY 2017, GIVES VISITORS THE CHANCE TO SEE AMERICAN ALLIGATORS AND INVASIVE SPECTACLED CAIMANS FOUND IN FLORIDA WATERS AND WETLANDS, AND ENCOURAGES THEM TO LEARN HOW

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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WETLAND AND COASTAL HABITATS ARE VITAL TO NATIVE SPECIES SUCH AS THE ELUSIVE AMERICAN CROCODILE.

MOTE CHOSE TO INCORPORATE THIS EXHIBIT BECAUSE GATORS, CROCS AND CAIMANS ARE CROCODILIANS - A GROUP OF LARGE, REPTILIAN PREDATORS THAT ARE SOMETIMES FEARED OR MISUNDERSTOOD BUT PLAY IMPORTANT ROLES IN THEIR ECOSYSTEMS, REMINISCENT OF THE SHARKS STUDIED BY MOTE MARINE LABORATORY SCIENTISTS.

"THE TEETH BENEATH" EXHIBIT BUILDS UPON THE WATERSHED-TO-OCEAN THEME MOTE INTRODUCED WHEN THE "OTTERS & THEIR WATERS" EXHIBIT WAS OPENED IN 2015. THIS EXHIBIT FEATURES NORTH AMERICAN RIVER OTTERS AND PROVIDES AN OTTER'S-EYE VIEW OF THEIR WATERSHED HOMES. WATERSHEDS - LANDS THAT DRAIN WATER TOWARD RIVERS, ESTUARIES AND THE SEA - ARE IMPORTANT TO PEOPLE AND MYRIAD WILDLIFE, INCLUDING RIVER OTTERS, THEIR PREY AND MANY ANIMALS FROM LAND TO THE COASTAL OCEANS WHERE MOTE MARINE LABORATORY SCIENTISTS CARRY OUT THEIR RESEARCH.

VISITORS WILL SEE OTTERS THAT WERE ORPHANED TOO YOUNG TO SURVIVE ALONE AND WERE RAISED BY WILDLIFE REHABILITATORS. MOTE'S ANIMAL CARE SPECIALISTS WORK WITH THE OTTERS AND EDUCATE GUESTS DURING NARRATED TRAINING SESSIONS. VISITORS CAN ALSO LISTEN TO A NARRATED TRAINING SESSION AT 1:30 P.M. DAILY.

BOTH OF THESE EXHIBITS ARE LOCATED AT MOTE'S ANN AND ALFRED GOLDSTEIN MARINE MAMMAL RESEARCH AND REHABILITATION CENTER.

IN 2017, MOTE AQUARIUM ALSO DEBUTED ITS NEWEST INTERACTIVE WITH THE

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

ONLINE GAME CALLED "WHO WANTS TO BE A SEA STAR?" ON MOTE.ORG. THIS GAME WAS ORIGINALLY CREATED FOR MOTE'S OH BABY! EXHIBIT. THIS FUN INTERACTIVE GAME IS AN EXPANDED VERSION OF WHAT IS CURRENTLY ON DISPLAY AT MOTE AND IS FIN-TASTIC FOR OCEAN ENTHUSIASTS. (MOTE MARINE LABORATORY AND AQUARIUM'S REDESIGNED WEBSITE, WWW.MOTE.ORG, WON BEST OF SHOW FOR ITS BUDGET CLASS IN 2015 DURING VISIT FLORIDA'S 48TH ANNUAL FLORIDA GOVERNOR'S CONFERENCE ON TOURISM.)

MOTE AQUARIUM ALSO DISPLAYS OTHER MARINE SPECIES, INCLUDING SHARKS, FISH OF ALL SHAPES AND SIZES, MOLLUSKS, CRUSTACEANS AND MORE. AQUARIUM EXHIBITS RANGE FROM SMALL DISPLAYS TO LARGE EXHIBITS SUCH AS OUR 135,000-GALLON SHARK HABITAT. TOUCH POOLS ALLOW VISITORS TO SAFELY TOUCH SEA URCHINS, HORSESHOE CRABS, HERMIT CRABS, STINGRAYS AND OTHER SPECIES. GUESTS CAN ENJOY EDUCATIONAL AND INTERACTIVE EXHIBITS ENRICHED BY TRAINED VOLUNTEER DOCENTS THROUGHOUT THE AQUARIUM WHO ASSIST VISITORS AND ANSWER QUESTIONS. SPECIAL ATTRACTIONS INCLUDE NARRATED TRAINING SESSIONS WITH MOTE'S LARGE SHARKS, SEA TURTLES AND MANATEES AND A SEAHORSE CONSERVATION LABORATORY THAT BREEDS AND RAISES SEAHORSES THAT ARE DISPLAYED AT MOTE AND TOP ZOOS AND AQUARIUMS NATIONWIDE.

MOTE'S ANN AND ALFRED GOLDSTEIN MARINE MAMMAL RESEARCH AND REHABILITATION CENTER ALLOWS VISITORS TO SEE RESIDENT MANATEES, SEA TURTLES AND DOLPHINS THAT CANNOT BE RETURNED TO THE WILD. THESE ANIMALS ACT AS AMBASSADORS FOR THEIR SPECIES AND HELP US TEACH THE PUBLIC ABOUT OUR ONGOING RESEARCH PROGRAMS WITH THESE SPECIES IN THE WILD. THESE RESIDENT ANIMALS ALSO PARTICIPATE IN RESEARCH PROGRAMS HERE AT THE AQUARIUM THAT ALLOW US TO LEARN MORE ABOUT THESE ANIMALS IN WAYS THAT ARE NOT POSSIBLE IN WILD SETTINGS. IN THIS FASHION, THE AQUARIUM STAFF

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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ARE CREATING A GREATER UNDERSTANDING OF THE LEARNING ABILITIES AND BIOLOGY OF THESE SPECIES, INCLUDING HOW WELL THEY HEAR AND SEE, AND HOW THEY USE VARIOUS SENSES - INCLUDING TOUCH - TO NAVIGATE THEIR ENVIRONMENT.

BEHIND THE SCENES, MOTE ALSO CARES FOR STRANDED, SICK OR INJURED DOLPHINS, WHALES AND SEA TURTLES WITH THE GOAL OF RETURNING THEM TO THE WILD. MOTE'S ANIMAL CARE STAFF SEEKS TO EXPAND KNOWLEDGE OF THE BASIC BIOLOGY, VETERINARY CARE AND DISEASE PROCESSES OF THESE ANIMALS. WHEN ANIMALS ARE SUCCESSFULLY RELEASED, EVERY EFFORT IS MADE TO DO FOLLOW-UP MONITORING OF THE SHORT- AND LONG-TERM MOVEMENTS OF THESE ANIMALS.

MOTE'S DOLPHIN AND WHALE HOSPITAL HAS BEEN REHABILITATING DOLPHINS AND WHALES AT OUR SARASOTA, FLORIDA-BASED FACILITIES SINCE 1984. MOTE'S DOLPHIN AND WHALE HOSPITAL HAS CARED FOR 71 MARINE MAMMALS.

MOTE HAS BEEN REHABILITATING SICK AND INJURED SEA TURTLES SINCE 1995. WE HAVE TREATED MORE THAN 635 SEA TURTLE PATIENTS AND RELEASED APPROXIMATELY 315 OF THOSE TURTLE PATIENTS. OUT OF THAT NUMBER, 205 SEA TURTLES SUFFERED FROM FIBROPAPILLOMA TUMORS AND 72 WERE BEEN RELEASED.

FIBROPAPILLOMA TUMORS ARE BELIEVED TO BE CAUSED BY A VIRUS AND, BECAUSE THE TRANSMISSION MECHANISM FOR THIS DISEASE REMAIN UNKNOWN, THE FACILITIES WHERE THESE TURTLES ARE TREATED ARE SEPARATE FROM OUR OTHER TURTLE TREATMENT FACILITIES. MOTE IS ONE OF ONLY FOUR FACILITIES IN FLORIDA THAT IS ABLE TO PROVIDE THIS SPECIALIZED CARE.

MOTE DOES PROVIDE LONG-TERM CARE TO A LIMITED NUMBER OF MARINE MAMMALS

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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AND SEA TURTLES THAT ARE DEEMED BY FEDERAL AND STATE OFFICIALS AS NOT ABLE TO SURVIVE IN THE WILD DUE TO THE NATURE OF THEIR INJURIES. HOWEVER, OUR PRIMARY GOAL IS TO PROVIDE THE MOST HUMANE TREATMENT POSSIBLE FOR LIVE-STRANDED DOLPHINS, WHALES, AND SEA TURTLES, REHABILITATE AND RELEASE THEM. THIS STRATEGY CREATES A BETTER SCIENTIFIC UNDERSTANDING OF THESE ANIMALS AND THEIR NEEDS IN ORDER TO SUPPORT CONSERVATION OF THESE SPECIES IN THE WILD.

FORM 990, PART III, LINE 4C, DESCRIPTION OF PROGRAM SERVICE:

EDUCATION

MOTE MARINE LABORATORY'S COMMITMENT TO SUPPORTING A MORE OCEAN-LITERATE SOCIETY BEGINS WITH CHILDREN - BUT IT DOESN'T STOP THERE. IN ADDITION TO THE MANY PROGRAMS WE OFFER THAT ARE GEARED TOWARD TODAY'S YOUTH, WE ALSO OFFER PROGRAMS TO PROVIDE ADULTS WITH LIFE-LONG OPPORTUNITIES FOR PUBLIC ENGAGEMENT IN MARINE SCIENCE, LIKE AN ANNUAL SPECIAL LECTURE SERIES AND SCIENCE CAFES.

MOTE'S ANNUAL SPECIAL LECTURE SERIES, GRACIOUSLY SPONSORED BY LOCAL PHILANTHROPISTS, SHOWCASES AN EXCITING SPEAKER LIST OF TOP SCIENTISTS AND EXPLORERS EACH YEAR THAT DRAWS THOUSANDS OF LOCAL RESIDENTS TO LEARN MORE ABOUT OCEAN-RELATED TOPICS.

MOTE ALSO PRESENTS ON-SITE EXPERIENCES FOR STUDENTS THROUGH SCHOOL AND PUBLIC PROGRAMS, SUMMER CAMPS AND INTERNSHIP PROGRAMS - INCLUDING THE NATIONAL SCIENCE FOUNDATION-FUNDED RESEARCH EXPERIENCES FOR UNDERGRADUATES (REU), WHICH ALLOWS UNDERGRADUATE COLLEGE STUDENTS THE

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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OPPORTUNITY TO UNDERTAKE SCIENTIFIC STUDIES UNDER THE DIRECT MENTORSHIP OF A PH.D.-LEVEL RESEARCHER. IN 2017, MOTE CELEBRATED ITS FOURTEENTH SUCCESSFUL YEAR OF HOSTING THIS NATIONAL SCIENCE FOUNDATION-FUNDED PROGRAM, WHICH IS DESIGNED TO ENCOURAGE STUDENTS INTERESTED IN STEM FIELDS.

MOTE'S VARIOUS SCHOOL PROGRAMS (ONSITE AND OUTREACH) REACHED 21,387 STUDENTS IN 2017. THE LAB'S MOBILE PUBLIC PROGRAMS AND TRAVELING EXHIBITS REACHED AN ADDITIONAL 28,770 PEOPLE WITH PUBLIC PROGRAMS REACHING 3,675 PEOPLE.

FROM SPRING 2016-2017, MOTE TEAMED UP WITH THREE SARASOTA-MANATEE UNIVERSITIES TO OFFER 22 LOCAL UNIVERSITY STUDENTS AN INTENSIVE MARINE SCIENCE INTERNSHIP EXPERIENCE. THE MOTE REU-USFSM PROGRAM GREW FROM THE ONGOING EDUCATIONAL PARTNERSHIP BETWEEN MOTE AND UNIVERSITY OF SOUTH FLORIDA SARASOTA-MANATEE (USFSM).

INTERNS ARE EXPECTED TO COMPLETE A MINIMUM OF 160 HOURS OF RESEARCH EXPERIENCE BETWEEN THE FALL AND SPRING SEMESTER. START AND END DATES DURING THIS PERIOD ARE TAILORED TO SPECIFIC RESEARCH PROJECTS.

IN 2017, NINE STUDENTS WERE GIVEN THE OPPORTUNITY TO STUDY MARINE SCIENCE AT MOTE THANKS TO THE GENEROSITY OF KEITH AND LINDA MONDA. FIVE OF THE STUDENTS WERE PART OF MOTE'S REU PROGRAM AND FOUR OF THE STUDENTS WERE PART OF MOTE'S AND THE NATURE CONSERVANCY'S RESEARCH EXPERIENCES FOR UNDERGRADUATES - LEAF ALUMNI PROGRAM, WHICH OFFERS HIGH SCHOOL STUDENTS WHO PARTICIPATED IN THE CONSERVANCY'S HIGH SCHOOL INTERNSHIP PROGRAM, LEADERS IN ENVIRONMENTAL ACTION FOR THE FUTURE

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

(LEAF), A WAY TO CONTINUE THEIR INTERNSHIP EXPERIENCES AS COLLEGE UNDERGRADUATE STUDENTS.

THE TWO INTERNSHIP PROGRAMS CONSIST OF 10 WEEKS OF RESEARCH-BASED EXPERIENCE DESIGNED TO PROVIDE HANDS-ON OPPORTUNITIES FOR STUDENTS TO CONDUCT SCIENTIFIC RESEARCH UNDER THE MENTORSHIP OF MOTE SCIENTISTS.

IN AUGUST 2017, MOTE MARINE LABORATORY'S DIGITAL LEARNING PROGRAM, SEATREK.TV INTERACTIVE, EARNED THE HIGHEST AWARD IN EDUCATIONAL, INTERACTIVE VIDEOCONFERENCING, THE PINNACLE AWARD, FOR THE 2016-2017 SCHOOL YEAR FROM THE CENTER FOR INTERACTIVE LEARNING AND COLLABORATION (CILC).

THE PINNACLE AWARD IS GIVEN ANNUALLY BY THE CILC TO ORGANIZATIONS THAT RECEIVE OUTSTANDING SCORES ON PROGRAM EVALUATIONS SUBMITTED BY EDUCATORS. THE AWARD RECOGNIZES REMARKABLE QUALITY OF EDUCATIONAL CONTENT AND EXCEPTIONAL SKILL AT PROGRAM DELIVERY.

SEATREK.TV BRINGS MOTE'S RESEARCH, ANIMALS AND EXHIBITS TO CLASSROOM LEARNERS USING AFFORDABLE, EASY-TO-USE DISTANCE LEARNING TECHNOLOGY. THESE VIRTUAL FIELD TRIPS ARE AN EXCITING WAY TO ENGAGE LEARNERS WITH STEM TOPICS. DIVE INTO MOTE AQUARIUM AND CHAT WITH A SHARK SPECIALIST. OR EXPLORE THE FLORIDA KEYS AND MAKE OBSERVATIONS LIKE A REAL CORAL REEF SCIENTIST. IN 2017, MOTE'S DIGITAL LEARNING PROGRAMS REACHED 6,962 PEOPLE.

ONE OF MOTE'S GOALS, OUTLINED IN ITS 2020 VISION AND STRATEGIC PLAN, IS TO HELP YOUTH CONNECT WITH THE ENVIRONMENT IN FUN, INTERACTIVE AND

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

MEANINGFUL WAYS, WITH A SPECIAL FOCUS ON CHILDREN WHO MAY NOT OTHERWISE
 HAVE THE OPPORTUNITY TO LEARN ABOUT MARINE SCIENCE AND ITS IMPACT ON
 OUR FUTURE. MOTE IS ABLE TO PROVIDE FREE EDUCATION AND FUN TO THE
 COMMUNITY AS A RESULT OF ITS GENEROUS DONORS AND THE VALUABLE
 PARTNERSHIPS WITH COMMUNITY ORGANIZATIONS. THROUGH MOTE'S COMMUNITY
 OUTREACH WITH STRATEGIC COMMUNITY PARTNERS, 9,613 STUDENTS FROM VARIOUS
 ORGANIZATIONS INCLUDING ABA ACADEMY, THE ACADEMY, AMI KIDS, BOOKER HIGH
 SCHOOL, BOYS & GIRLS CLUB SARASOTA (3 LOCATIONS), CHILDREN FIRST (6
 LOCATIONS), EASTER SEALS, GIRLS INC., JUST FOR GIRLS (3 LOCATIONS),
 LAUREL CIVIC ASSOCIATION, OAK PARK SCHOOL, PACE CENTER FOR GIRLS, RL
 TAYLOR COMMUNITY COMPLEX, SALVATION ARMY, TRIAD ALTERNATIVE SCHOOL,
 YMCA MANATEE COUNTY, AND YMCA SARASOTA COUNTY WERE GIVEN THE
 OPPORTUNITY TO LEARN ABOUT MARINE SCIENCE IN A FUN AND ENGAGING WAY.

MOTE'S SUMMER CAMPS, WHICH OFFER MORE OPPORTUNITIES FOR KIDS TO LEARN
 ABOUT THEIR LOCAL WATERS, FROM THE BEAUTIFUL SARASOTA BAY TO THE
 FLORIDA KEYS, IN A FUN AND ENGAGING WAY, REACHED 994 ENROLLED
 PARTICIPANTS.

MOTE VOLUNTEERS ALSO PLAY A STRONG ROLE IN HELPING MOTE TO ACCOMPLISH
 ITS MISSION BY SHARING THEIR TIME AND EXPERTISE AS AQUARIUM DOCENTS,
 BEHIND-THE-SCENES CONTRIBUTORS AND EVEN LABORATORY RESEARCH ASSISTANTS.
 FOR OUR FISCAL YEAR WE HAD 1,698 VOLUNTEERS CONTRIBUTED MORE THAN
 220,437 SERVICE HOURS TO MOTE.

FORM 990, PART III, LINE 4D, OTHER PROGRAM SERVICES:

PROTECT OUR REEFS

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

FLORIDA'S REEFS - WHICH FORM THE ONLY BARRIER REEF SYSTEM IN THE CONTINENTAL U.S. - UNDERPIN THE STATE'S MARINE ECOSYSTEMS WHILE BRINGING \$6.3 BILLION TO ITS ECONOMY AND PROTECTING ITS COASTLINES FROM MAJOR STORMS. SADLY, IN SOME AREAS OF FLORIDA AND THE CARIBBEAN, CORAL COVER HAS DECLINED BY 50-80 PERCENT IN JUST THE LAST THREE DECADES DUE TO NATURAL OCCURRENCES AND HUMAN IMPACTS SUCH AS CLIMATE CHANGE, OCEAN ACIDIFICATION, POLLUTION AND MORE.

RESEARCH IS HELPING TO UNDERSTAND WHY AND WHAT TO DO ABOUT IT. EDUCATION AND CONSERVATION EFFORTS CAN HELP REDUCE HUMAN IMPACT ON THESE PRECIOUS RESOURCES, AND INNOVATIVE CORAL RESTORATION RESEARCH CAN HELP BRING CORAL REEFS BACK FROM THE BRINK OF DISAPPEARING FROM OUR OCEANS.

TO HELP SUPPORT MARINE RESEARCH, CONSERVATION AND EDUCATION EFFORTS DESIGNED AT SAVING FLORIDA'S REEF, MOTE MARINE LABORATORY SPONSORED THE CREATION OF THE PROTECT OUR REEFS (POR) SPECIALTY LICENSE PLATE IN FLORIDA. THE PLATE WAS APPROVED BY THE FLORIDA LEGISLATURE IN JULY 2003. MOTE ADMINISTERS THESE FUNDS.

FOR EACH REEF PLATE PURCHASED BY A FLORIDA-LICENSED DRIVER, \$25 IS USED TO SUPPORT CORAL REEF RESEARCH, CONSERVATION AND OUTREACH PROGRAMS, INCLUDING A SPECIAL PROTECT OUR REEFS GRANTS PROGRAM. IN ADDITION TO SUPPORTING MOTE RESEARCH PROGRAMS, THIS PROGRAM ALLOWS OTHER FLORIDA-BASED ORGANIZATIONS TO APPLY FOR FUNDS FOR STUDIES THAT ARE DESIGNED TO HELP UNDERSTAND THE ISSUES OUR REEFS ARE FACING AND INVESTIGATE WAYS TO IMPROVE REEF HEALTH. 37.5% OF REVENUES SUPPORTS GRANTS AND AN ADDITIONAL 37.5% OF REVENUES SUPPORTS MOTE CORAL REEF

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

RESEARCH.

FLORIDA DRIVERS WHO PURCHASE THE STATE'S PROTECT OUR REEFS SPECIALTY LICENSE PLATE ARE SUPPORTING PROGRAMS LIKE THIS THAT HELP US ATTACK CORAL REEF PROBLEMS ON A NUMBER OF FRONTS.

IN GENERAL, PROTECT OUR REEFS GRANT PRIORITIES ARE SIMILAR TO A NUMBER OF CORAL REEF RESEARCH PRIORITIES SUCH AS THOSE OUTLINED BY THE FLORIDA KEYS NATIONAL MARINE SANCTUARY SCIENCE PLAN, THE WATER QUALITY PROTECTION PROGRAM, THE NOAA-CORAL REEF CONSERVATION PROGRAM, AND OTHER EXISTING AGENCIES/NON-GOVERNMENT ORGANIZATIONS CORAL REEF RESEARCH PROGRAM PRIORITIES. BECAUSE OF THE NEED TO STRATEGICALLY FOCUS THE PROTECT OUR REEFS PLATE'S SOMEWHAT LIMITED RESOURCES ON CRITICAL CHALLENGES CORAL REEF ECOSYSTEMS ARE FACING NOW AND IN THE COMING DECADES, PRIORITY FOR FUNDING IN ALL CATEGORIES OF POR PROPOSALS (RESEARCH, EDUCATION AND CONSERVATION) ARE NOW ON CORAL REEF RESTORATION, INCLUDING THE DEVELOPMENT OF NEW CORAL RESTORATION METHODS AND TECHNOLOGIES, ALONG WITH MAINTAINING CORAL GENETIC DIVERSITY AND PROTECTING RESILIENCY IN THE RESTORATION OF CORAL REEF ECOSYSTEMS.

PRIORITY FOCUS IS ON PROJECTS THAT SIGNIFICANTLY ENHANCE THE CAPABILITIES OF CORAL REEF ECOSYSTEM RESOURCE MANAGERS TO MORE EFFECTIVELY USE SCIENCE-BASED INFORMATION IN PROMOTING AND IMPLEMENTING THE RESTORATION AND LONG-TERM SUSTAINABLE USE OF CORAL REEF ECOSYSTEMS USING THE OUTCOMES OF POR-FUNDED PROJECTS.

IT WAS EXPECTED THAT POR GRANT PROGRAM WOULD FOCUS ON THE PRIORITIES FOR THE SCIENCE OF CORAL RESTORATION FOR AT LEAST A FIVE-YEAR PERIOD BEGINNING IN 2017. HURRICANE IRMA RESULTED IN SIGNIFICANT DEVASTATION TO FLORIDA'S PRIMARY LAND-BASED AND OFF-SHORE CORAL RESTORATION RESEARCH INFRASTRUCTURE OF MOTE MARINE LABORATORY IN THE FLORIDA KEYS.

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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THIS LAND-BASED AND OFF-SHORE INFRASTRUCTURE IS A STATE ASSET UTILIZED EACH YEAR BY HUNDREDS OF SCIENTISTS AND STUDENTS FROM THROUGHOUT THE STATE OF FLORIDA, AND FROM AROUND THE WORLD. IN ORDER TO ENSURE THAT FLORIDA-BASED SCIENTIFIC, CONSERVATION AND EDUCATION ORGANIZATIONS ARE ABLE TO CONTINUE UTILIZING THIS CRITICAL LAND-BASED AND OFF-SHORE CORAL RESTORATION RESEARCH INFRASTRUCTURE FOR THE COLLECTION, ANALYSES AND DISTRIBUTION OF SCIENTIFIC, EDUCATION AND CONSERVATION INFORMATION TO THE RESEARCH COMMUNITY; FEDERAL, STATE AND LOCAL GOVERNMENT AGENCIES; EDUCATION INSTITUTIONS, AND THE PUBLIC, THE POR PROGRAM TEMPORARILY SUSPENDED ITS COMPETITIVE SMALL GRANT PROGRAM FOR A PERIOD OF ONE (1) YEAR IN ORDER TO FOCUS ON THE RECOVERY EFFORTS OF THIS CRITICAL CORAL RESEARCH AND RESTORATION RESEARCH INFRASTRUCTURE.

MEMBERSHIP

IN FISCAL YEAR OCT. 2016-SEPT. 2017, MOTE MARINE LABORATORY AND AQUARIUM WAS FORTUNATE TO CONTINUE STRENGTHENING OUR 9,033 HOUSEHOLD MEMBERSHIP PROGRAM. MEMBERSHIP DUES PROVIDE UNRESTRICTED FUNDS THAT ARE PUT TO WHERE THE NEED IS GREATEST ANNUALLY TO SUPPORT MOTE'S OVERALL MISSION OF RESEARCH AND EDUCATION. INDIVIDUAL MEMBERSHIP LEVELS BEGIN AT \$65 AND RISE TO \$1,000. MEMBERSHIP BENEFITS INCLUDE UNRESTRICTED VISITS TO MOTE AQUARIUM WITH THE NUMBER OF GUESTS ALLOWED BASED ON INDIVIDUAL MEMBERSHIP LEVELS; DISCOUNTS IN THE AQUARIUM SHOPS; FREE SPECIAL MEMBER-ONLY EVENTS; DISCOUNTS ON EDUCATION PROGRAMS AND CAMPS; FREE AND DISCOUNTED ADMISSIONS TO MORE THAN 100 ZOOS AND AQUARIUMS ACROSS THE UNITED STATES AND MUCH MORE. FOR A COMPLETE LIST OF MEMBERSHIP LEVELS, BENEFITS AND OPPORTUNITIES PLEASE VISIT OUR WEBSITE AT WWW.MOTE.ORG/MEMBERSHIP

EXPENSES \$ 2,844,759. INCL GRANTS OF \$ 124,045. REVENUE \$ 2,681,373.

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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FORM 990, PART III, LINE 4D OTHER PROGRAM SERVICES

AQUACULTURE RESEARCH PARK

MOTE AQUACULTURE RESEARCH PARK FACILITY OPERATIONS

MOTE HAS A 200-ACRE, STATE-OF-THE-ART AQUACULTURE RESEARCH FACILITY SUPPORTING THE CONSERVATION OF THE WORLD'S FISHERIES AND SUSTAINABLE SEAFOOD PRODUCTION. THE PARK INCLUDES MORE THAN 125,000 SQUARE FEET OF RESEARCH AND DEVELOPMENT FACILITIES DEDICATED TO MOTE'S MARINE AND FRESHWATER AQUACULTURE RESEARCH PROGRAM AND SUPPORTING THE WORK OF RELATED MOTE PROGRAMS FOCUSING ON FISHERIES ENHANCEMENT, MICROBIAL ECOLOGY AND ECOTOXICOLOGY.

AT THE PARK, MOTE SCIENTISTS STUDY THE GROWTH, DEVELOPMENT, SPAWNING, HEALTH, NUTRITION, GENETICS, AND OTHER CHARACTERISTICS OF SALTWATER SPECIES, SUCH AS COMMON SNOOK, POMPANO, RED DRUM, FLOUNDER AND ALMACO JACK FOR RESTOCKING PROGRAMS AND FOR SUSTAINABLE SEAFOOD PRODUCTION.

MOTE SCIENTISTS ARE ALSO STUDYING OIL-SPILL IMPACTS ON FISH HEALTH, IMMUNE SYSTEM AND REPRODUCTIVE SUCCESS AT MOTE AQUACULTURE RESEARCH PARK. THESE CONTROLLED, EXPOSURE STUDIES BEGAN IN THE WAKE OF THE DEEPWATER HORIZON OIL SPILL AND ARE DESIGNED TO SUPPORT DEVELOPMENT OF RAPID HEALTH-DIAGNOSTIC TESTS BASED ON SUB-LETHAL RESPONSES THAT WILL BETTER PREDICT SHORT- AND LONG-TERM IMPACTS OF OIL EXPOSURE IN GULF OF MEXICO FISHES. MOTE SENIOR SCIENTIST DR. KEVAN MAIN, MANAGER OF THE MARINE AND FRESHWATER AQUACULTURE RESEARCH PROGRAM, COLLABORATES WITH MOTE SENIOR SCIENTIST DR. DANA WETZEL, TOXICOLOGY TASK LEAD IN THE DEEPWATER HORIZON RESEARCH CONSORTIUM C-IMAGE, ON THESE IMPORTANT

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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STUDIES.

2017 HIGHLIGHTS:

OIL-SPILL RESEARCH ADVANCES: THROUGH THEIR ONGOING EFFORTS IN OIL-SPILL RESEARCH CONSORTIUM C-IMAGE, SCIENTISTS FROM MOTE'S ENVIRONMENTAL LABORATORY FOR FORENSICS AND MOTE'S MARINE & FRESHWATER AQUACULTURE RESEARCH PROGRAM COLLECTED 1,564 BLOOD AND TISSUE SAMPLES FROM FISH EXPOSED TO VARYING CONCENTRATIONS OF OIL COMPONENTS IN ONGOING STUDIES AT MOTE AQUACULTURE RESEARCH PARK. THE SCIENTISTS CONTINUED EVALUATING THE HEALTH OF GULF OF MEXICO REDFISH, FLOUNDER AND POMPAÑO IN THEIR MULTI-YEAR SERIES OF STUDIES FOCUSING ON HOW FISH ARE AFFECTED BY OIL COMPOUNDS IN THEIR DIET, IN SEDIMENTS AND IN WATER. BY STUDYING WHETHER EXPOSED FISH EXPERIENCE DNA DAMAGE, IMMUNE FUNCTION CHANGES, REPRODUCTIVE DYSFUNCTIONS OR OTHER IMPACTS, THE RESEARCHERS HOPE TO HELP ELUCIDATE HOW WILD FISH WERE AFFECTED BY DEEPWATER HORIZON AND SET THE STAGE TO BETTER UNDERSTAND FUTURE SPILLS. AS OF LATE 2017, PRELIMINARY DATA SUGGEST THAT OIL-EXPOSED FISH TEND TO HAVE SUPPRESSED IMMUNE SYSTEM FUNCTION, WHETHER THEY ENCOUNTER OIL COMPOUNDS IN THEIR FOOD OR WATER. THESE AND OTHER FINDINGS FROM THE LAB WILL HELP RESEARCHERS KNOW WHAT IMPACTS TO CHECK FOR IN WILD FISH.

NEW FUNDING SUPPORT: TO HELP C-IMAGE PARTNERS CONTINUE THEIR OIL SPILL STUDIES AND SYNTHESIZE RESULTS OVER THE NEXT TWO YEARS, THE GULF OF MEXICO RESEARCH INITIATIVE AWARDED A \$5 MILLION GRANT TO THE UNIVERSITY OF SOUTH FLORIDA, THE BASE OF C-IMAGE. READ THE SEPTEMBER 2017 ANNOUNCEMENT: [HTTP://NEWS.USF.EDU/ARTICLE/TEMPLATES/?A=8057&Z=220](http://news.usf.edu/article/templates/?a=8057&z=220)

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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SNOOK RAISED BY MOTE RELEASED FOR FISHERIES STUDIES: MOTE SCIENTISTS RELEASED APPROXIMATELY 1,381 JUVENILE SNOOK INTO PHILLIPPI CREEK IN SARASOTA COUNTY FOR ONGOING STUDIES OF HABITAT-USE PATTERNS, AND 926 JUVENILE SNOOK INTO NORTH CREEK, SARASOTA COUNTY, FOR ONGOING STUDIES OF POST-RELEASE SURVIVAL OF THESE IMPORTANT SPORT FISH. THE FISH WERE RAISED AT MOTE AQUACULTURE RESEARCH PARK AND FITTED WITH PIT TAGS (PASSIVE INTEGRATED TRANSPONDERS), WHICH WILL BE DETECTED WHEN THE SNOOK SWIM NEAR SOLAR-POWERED ANTENNA ARRAYS INSTALLED AT CREEK-FRONT PROPERTIES. STUDY RESULTS ARE INTENDED TO HELP INFORM RESOURCE MANAGERS AND THE COMMUNITY TO HELP SUPPORT SNOOK POPULATIONS INTO THE FUTURE.

THIS RELEASE WAS ONE OF SEVERAL CONDUCTED FOR SNOOK STUDIES OVER THE PAST TWO YEARS. BY THE END OF 2017, MOTE SCIENTISTS REPORTED THAT THEY HAD RELEASED A TOTAL OF 5,717 TAGGED SNOOK (WITH PIT TAGS DETECTABLE BY ANTENNA OR WITH CODED WIRE TAGS) IN THE PAST TWO YEARS, PART OF A LONG-TERM EFFORT THAT HAS INVOLVED RELEASING 61,000 SNOOK TO LOCAL WATERS OVER DECADES.

INVESTIGATING HOW TO FARM A TASTY GULF OF MEXICO FISH: IN MAY 2017, MOTE SCIENTISTS LAUNCHED THEIR NEW STUDY ON EXPANDING THE SUPPLY OF ALMACO JACK FOR OFFSHORE AQUACULTURE - A FISH SERVED AS SUSHI OR IN COOKED DISHES IN SOME PARTS OF THE WORLD, BUT NEVER BEFORE FARMED IN ONE OF ITS MAJOR HABITATS, THE GULF OF MEXICO.

BY STUDYING HOW TO RAISE AND SPAWN GULF STOCKS OF ALMACO JACK IN SUSTAINABLE, LAND-BASED AQUACULTURE SYSTEMS, MOTE SCIENTISTS HOPE TO PROVIDE ESSENTIAL KNOWLEDGE TO HELP THE AQUACULTURE INDUSTRY PRODUCE HEALTHY, JUVENILE ALMACO JACK IN LAND-BASED FARMS TO SUPPLY OFFSHORE

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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CAGE FARMS. IN AUGUST 2017, THE CAPTIVE BROODSTOCK BEGAN VOLITIONAL SPAWNING AND SPAWNED NEARLY EVERY DAY THROUGH OCTOBER. THIS RESEARCH UNDERSCORES A NEW OPPORTUNITY FOR GULF-BASED AQUACULTURE. IN JANUARY 2016, THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ANNOUNCED THE FISHERY MANAGEMENT PLAN FOR REGULATING OFFSHORE MARINE AQUACULTURE IN THE GULF OF MEXICO (GULF AQUACULTURE PLAN), WHICH WILL ALLOW AS MANY AS 20 OFFSHORE AQUACULTURE OPERATIONS IN GULF WATERS TO BE PERMITTED OVER 10 YEARS.

AQUACULTURE ENHANCES EDUCATION: FLORIDA'S DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES RECOGNIZED THE SUCCESS OF RIVERVIEW HIGH SCHOOL'S PROGRAM STARS TO STARFISH, WHICH FEATURES ECO-FRIENDLY AQUACULTURE (FISH FARMING) TECHNOLOGY MADE POSSIBLE THROUGH A MULTI-YEAR PARTNERSHIP WITH MOTE SCIENTISTS. STUDENTS AT RIVERVIEW HIGH SCHOOL ARE WORKING WITH MOTE SCIENTISTS TO GET EXPERIENCE REARING, TAGGING, AND RELEASING JUVENILE SNOOK INTO PHILLIPPI CREEK. IN DECEMBER, 81 PIT TAGGED SNOOK THAT WERE HATCHED AT MOTE AND GROWN TO TAGGING SIZE AT RIVERVIEW WERE RELEASED WITH HELP FROM THE FISHERIES ECOLOGY & ENHANCEMENT PROGRAM AS PART OF THE COLLABORATIVE EFFORT TO BRING SCIENCE INTO THE CLASSROOM.

FORM 990, PART VI, SECTION A, LINE 1:
THE PRESIDENT/CEO IS A VOTING BOARD MEMBER. WHEN ISSUES ARISE THAT MAY CAUSE A CONFLICT OF INTEREST, HE RECUSES HIMSELF.

FORM 990, PART VI, SECTION A, LINE 4:

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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THE ORGANIZATION'S BYLAWS WERE REVISED DURING THE FISCAL YEAR.

A CONFLICT OF INTEREST STATEMENT WAS ADDED TO ARTICLE V (BOARD OF TRUSTEES), SECTION 8: CONFLICT OF INTEREST POLICIES FOR THE CORPORATION SHALL BE ADOPTED WHICH SHALL INCLUDE DEFINITIONS, PROCEDURES FOR DISCLOSING, DETERMINATION, ADDRESSING CONFLICTS OF INTEREST AND VIOLATIONS OF THE POLICY, RECORDS OF PROCEEDINGS, COMPENSATION, ANNUAL STATEMENTS, PERIODIC REVIEWS, AND USE OF OUTSIDE EXPERTS.

SECTION 5 OF ARTICLE VI (OFFICERS) WAS REVISED TO READ: THE ANNUAL PERFORMANCE REVIEW OF THE PRESIDENT SHALL BE PERFORMED AND COMPENSATION FIXED BY THE CURRENT CHAIRMAN, VICE-CHAIRMAN, AND IMMEDIATE PAST CHAIRMAN OF THE BOARD OF TRUSTEES.

THE BOARD PRACTICE OF ANNUAL ELECTION AND 2-YEAR TERMS FOR THE CHAIRMAN EXCEPT BY EXTRAORDINARY CIRCUMSTANCES IS NOW THE PRACTICE FOR OFFICERS, AND IS REFLECTED IN SECTION 8 OF ARTICLE VI (OFFICERS):

REVISED SECTION 8. - THE POSITION OF CHAIRMAN, VICE-CHAIRMAN, TREASURER AND SECRETARY WILL BE ELECTED ANNUALLY FOR A TERM OF ONE (1) YEAR, NOT TO EXCEED TWO (2) CONSECUTIVE TERMS, EXCEPT BY EXTRAORDINARY CIRCUMSTANCES AS DETERMINED BY THE AFFIRMATIVE VOTE OF A MAJORITY OF THE BOARD OF TRUSTEES. UPON THE RESIGNATION, DEATH OR INABILITY TO SERVE OF ANY OFFICER, THE BOARD OF TRUSTEES SHALL SELECT A SUCCESSOR. EACH CHAIRMAN WHO SUCCESSFULLY CONCLUDES HIS/HER TERM SHALL AUTOMATICALLY BE ACCORDED CHAIRMAN EMERITUS STATUS AND MAY ELECT TO CONTINUE TO SERVE AS A GENERAL TRUSTEE, OR AS A NONVOTING TRUSTEE.

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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ADVISORY GROUP CHAIRS AND THE VOLUNTEER BOARD PRESIDENT WILL NO LONGER BE EX-OFFICIO NONVOTING MEMBERS OF THE BOARD, AND WILL NOT AUTOMATICALLY BE INVITED TO BOARD MEETINGS AS IN THE PAST. REVISIONS ARE REFLECTED IN ARTICLE X (ADVISORY GROUPS) AND ARTICLE XI (VOLUNTEERS).

FORM 990, PART VI, SECTION B, LINE 11B:

THE FORM 990 IS PREPARED BY AN OUTSIDE ACCOUNTING FIRM WITH INFORMATION FROM THE ANNUAL AUDIT AND SENIOR MANAGEMENT. THE FINAL FORM 990 IS REVIEWED BY THE CEO AND CFO. PRIOR TO FILING, FORM 990 IS SIGNED BY THE CEO AND PROVIDED TO THE BOARD OF TRUSTEES.

FORM 990, PART VI, SECTION B, LINE 12C:

TRUSTEES, OFFICERS AND KEY EMPLOYEES ARE REQUIRED TO DISCLOSE ANNUALLY INTERESTS THAT COULD GIVE RISE TO CONFLICTS OF INTEREST. A CONFLICT OF INTEREST POLICY AND DISCLOSURE STATEMENT IS DISTRIBUTED AT THE ANNUAL BOARD MEETING OR OTHER TIMES AS NEEDED. ALL SIGNED DISCLOSURES ARE COLLECTED WITH A FOLLOW UP UNTIL RETURNED. THEY ARE REVIEWED BY THE PRESIDENT OR CFO AND BROUGHT TO THE AUDIT COMMITTEE IF NEEDED FOR DETERMINATION.

FORM 990, PART VI, SECTION B, LINE 15:

THE COMPENSATION FOR THE CEO IS DETERMINED BY THE CEO EVALUATION/COMPENSATION COMMITTEE. THE COMMITTEE BASES THEIR DECISION ON COMPENSATION DATA FROM COMPARABLE INSTITUTIONS AND A COMPREHENSIVE WRITTEN SUMMARY OF ACTIVITIES BY THE CEO. THE COMPENSATION FOR THE CFO IS DETERMINED BY THE CEO AFTER A BOARD APPROVED BUDGET RATE OF INCREASE. ALL DELIBERATION AND DECISIONS ARE CONTEMPORANEOUSLY SUBSTANTIATED.

FORM 990, PART VI, SECTION C, LINE 19:

Name of the organization MOTE MARINE LABORATORY, INC.	Employer identification number 59-0756643
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THE GOVERNING DOCUMENTS INCLUDING THE ARTICLES OF INCORPORATION AND BY-LAWS, THE CONFLICT OF INTEREST POLICY, THE FORM 990 AND THE ANNUAL AUDITED FINANCIAL STATEMENTS ARE AVAILABLE UPON REQUEST. THE ANNUAL AUDITED FINANCIAL STATEMENT IS ALSO AVAILABLE ON WWW.MOTE.ORG

FORM 990, PART XI, LINE 9, CHANGES IN NET ASSETS:
 CHANGE IN BENEFICIAL INTEREST IN NET ASSETS OF MOTE MARINE FOUNDATION, INC. 1,034,620.
 ROUNDING
 TOTAL TO FORM 990, PART XI, LINE 9 1,034,620.

FORM 990, PART XII, LINE 2C AUDIT REVIEW PROCESS
 THERE HAS BEEN NO CHANGE IN THE AUDIT REVIEW PROCESS FROM THE PRIOR YEAR.

Part V Transactions With Related Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.

Note: Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule.

1 During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?

	Yes	No
a Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity		X
b Gift, grant, or capital contribution to related organization(s)		X
c Gift, grant, or capital contribution from related organization(s)	X	
d Loans or loan guarantees to or for related organization(s)	X	
e Loans or loan guarantees by related organization(s)	X	
f Dividends from related organization(s)		X
g Sale of assets to related organization(s)		X
h Purchase of assets from related organization(s)		X
i Exchange of assets with related organization(s)		X
j Lease of facilities, equipment, or other assets to related organization(s)	X	
k Lease of facilities, equipment, or other assets from related organization(s)		X
l Performance of services or membership or fundraising solicitations for related organization(s)	X	
m Performance of services or membership or fundraising solicitations by related organization(s)	X	
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)	X	
o Sharing of paid employees with related organization(s)	X	
p Reimbursement paid to related organization(s) for expenses		X
q Reimbursement paid by related organization(s) for expenses	X	
r Other transfer of cash or property to related organization(s)		X
s Other transfer of cash or property from related organization(s)	X	

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds.

	(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining amount involved
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				

Report of Employer-Owned Life Insurance Contracts

OMB No. 1545-2089

▶ Attach to the policyholder's tax return - See instructions.

Attachment
 Sequence No. 160

Name(s) shown on return MOTE MARINE LABORATORY, INC.	Identifying number 59-0756643
Name of policyholder, if different from above	Identifying number, if different from above

Type of business
NONPROFIT

1 Enter the number of employees the policyholder had at the end of the tax year	1	229.
2 Enter the number of employees included on line 1 who were insured at the end of the tax year under the policyholder's employer-owned life insurance contract(s) issued after August 17, 2006. See <i>Section 1035 exchanges</i> for an exception	2	1.
3 Enter the total amount of employer-owned life insurance in force at the end of the tax year for employees who were insured under the contract(s) specified on line 2	3	25,000.
4a Does the policyholder have a valid consent (see instructions) for each employee included on line 2? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
b If "No," enter the number of employees included on line 2 for whom the policyholder does not have a valid consent	4b	

Application for Automatic Extension of Time To File an Exempt Organization Return

Department of the Treasury
Internal Revenue Service

▶ **File a separate application for each return.**
▶ **Information about Form 8868 and its instructions is at www.irs.gov/form8868.**

Electronic filing (e-file). You can electronically file Form 8868 to request a 6-month automatic extension of time to file any of the forms listed below with the exception of Form 8870, Information Return for Transfers Associated With Certain Personal Benefit Contracts, for which an extension request must be sent to the IRS in paper format (see instructions). For more details on the electronic filing of this form, visit www.irs.gov/efile, click on Charities & Non-Profits, and click on e-file for Charities and Non-Profits.

Automatic 6-Month Extension of Time. Only submit original (no copies needed).

All corporations required to file an income tax return other than Form 990-T (including 1120-C filers), partnerships, REMICs, and trusts must use Form 7004 to request an extension of time to file income tax returns.

		Enter filer's identifying number
Type or print	Name of exempt organization or other filer, see instructions. MOTE MARINE LABORATORY, INC.	Employer identification number (EIN) or 59-0756643
File by the due date for filing your return. See instructions.	Number, street, and room or suite no. If a P.O. box, see instructions. 1600 KEN THOMPSON PARKWAY	Social security number (SSN)
	City, town or post office, state, and ZIP code. For a foreign address, see instructions. SARASOTA, FL 34236	

Enter the Return Code for the return that this application is for (file a separate application for each return) 0 | 1

Application Is For	Return Code	Application Is For	Return Code
Form 990 or Form 990-EZ	01	Form 990-T (corporation)	07
Form 990-BL	02	Form 1041-A	08
Form 4720 (individual)	03	Form 4720 (other than individual)	09
Form 990-PF	04	Form 5227	10
Form 990-T (sec. 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12

DENA SMITH @ MOTE MARINE LABORATORY

• The books are in the care of ▶ **1600 KEN THOMPSON PARKWAY - SARASOTA, FL 34236**
Telephone No. ▶ **941-388-4441** Fax No. ▶ _____

• If the organization does not have an office or place of business in the United States, check this box
• If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) _____. If this is for the whole group, check this box . If it is for part of the group, check this box and attach a list with the names and EINs of all members the extension is for.

1 I request an automatic 6-month extension of time until **AUGUST 15, 2018**, to file the exempt organization return for the organization named above. The extension is for the organization's return for:

▶ calendar year _____ or
▶ tax year beginning **OCT 1, 2016**, and ending **SEP 30, 2017**.

2 If the tax year entered in line 1 is for less than 12 months, check reason: Initial return Final return
 Change in accounting period

3a If this application is for Forms 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions.	3a	\$	0.
b If this application is for Forms 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit.	3b	\$	0.
c Balance due. Subtract line 3b from line 3a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions.	3c	\$	0.

Caution: If you are going to make an electronic funds withdrawal (direct debit) with this Form 8868, see Form 8453-EO and Form 8879-EO for payment instructions.