

Form **990**

Department of the Treasury  
Internal Revenue Service

**CHANGE OF ACCOUNTING PERIOD**  
**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

▶ 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](http://www.irs.gov/form990).

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

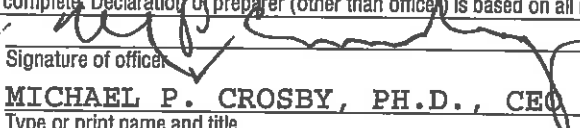

<b>B</b> Check if applicable:  <input type="checkbox"/> Address change <input type="checkbox"/> Name change <input type="checkbox"/> Initial return <input type="checkbox"/> Final return/terminated <input type="checkbox"/> Amended return <input type="checkbox"/> Application pending	<b>C</b> Name of organization <b>MOTE MARINE LABORATORY, INC.</b> Doing business as _____ Number and street (or P.O. box if mail is not delivered to street address) Room/suite <b>1600 KEN THOMPSON PARKWAY</b> City or town, state or province, country, and ZIP or foreign postal code <b>SARASOTA, FL 34236</b> <b>F</b> Name and address of principal officer: <b>MICHAEL P. CROSBY, PH.D.</b> <b>SAME AS C ABOVE</b>	<b>D</b> Employer identification number <b>59-0756643</b> <b>E</b> Telephone number <b>(941) 388-4441</b> <b>G</b> Gross receipts \$ <b>15,153,054.</b> <b>H(a)</b> Is this a group return for subordinates? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>H(b)</b> Are all subordinates included? <input type="checkbox"/> Yes <input type="checkbox"/> No If "No," attach a list. (see instructions) <b>H(c)</b> Group exemption number ▶
<b>I</b> 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		
<b>J</b> Website: ▶ <b>WWW.MOTE.ORG</b>		
<b>K</b> Form of organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Trust <input type="checkbox"/> Association <input type="checkbox"/> Other ▶		
		<b>L</b> Year of formation: <b>1955</b> <b>M</b> State of legal domicile: <b>FL</b>

**Part I Summary**

<b>1</b>	Briefly describe the organization's mission or most significant activities: <b>ADVANCING THE SCIENCE OF THE SEA THROUGH RESEARCH, EDUCATION AND OUTREACH.</b>	
<b>2</b>	Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets.	
<b>3</b>	Number of voting members of the governing body (Part VI, line 1a) .....	<b>29</b>
<b>4</b>	Number of independent voting members of the governing body (Part VI, line 1b) .....	<b>28</b>
<b>5</b>	Total number of individuals employed in calendar year 2016 (Part V, line 2a) .....	<b>0</b>
<b>6</b>	Total number of volunteers (estimate if necessary) .....	<b>1601</b>
<b>7a</b>	Total unrelated business revenue from Part VIII, column (C), line 12 .....	<b>0.</b>
<b>7b</b>	Net unrelated business taxable income from Form 990-T, line 34 .....	<b>0.</b>
<b>8</b>	Contributions and grants (Part VIII, line 1h) .....	<b>12,678,299.</b>
<b>9</b>	Program service revenue (Part VIII, line 2g) .....	<b>3,276,438.</b>
<b>10</b>	Investment income (Part VIII, column (A), lines 3, 4, and 7d) .....	<b>13,270,176.</b>
<b>11</b>	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e) .....	<b>54,786.</b>
<b>12</b>	Total revenue - add lines 8 through 11 (must equal Part VIII, column (A), line 12) .....	<b>457,898.</b>
<b>13</b>	Grants and similar amounts paid (Part IX, column (A), lines 1-3) .....	<b>26,461,159.</b>
<b>14</b>	Benefits paid to or for members (Part IX, column (A), line 4) .....	<b>14,331,668.</b>
<b>15</b>	Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10) .....	<b>296,680.</b>
<b>16a</b>	Professional fundraising fees (Part IX, column (A), line 11e) .....	<b>0.</b>
<b>16b</b>	Total fundraising expenses (Part IX, column (D), line 25) ▶ <b>868,997.</b>	<b>0.</b>
<b>17</b>	Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e) .....	<b>10,802,145.</b>
<b>18</b>	Total expenses. Add lines 13-17 (must equal Part IX, column (A), line 25) .....	<b>9,828,834.</b>
<b>19</b>	Revenue less expenses. Subtract line 18 from line 12 .....	<b>20,927,659.</b>
<b>20</b>	Total assets (Part X, line 16) .....	<b>5,533,500.</b>
<b>21</b>	Total liabilities (Part X, line 26) .....	<b>52,856,042.</b>
<b>22</b>	Net assets or fund balances. Subtract line 21 from line 20 .....	<b>16,495,651.</b>
<b>23</b>	Net assets or fund balances. Subtract line 21 from line 20 .....	<b>36,360,391.</b>

**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.

<b>Sign Here</b>	Signature of officer:  <b>MICHAEL P. CROSBY, PH.D., CEO</b> Type or print name and title	Date: <b>8/4/17</b>
<b>Paid Preparer Use Only</b>	Print/Type preparer's name: <b>REBECCA U. STONER</b> Preparer's signature:  Date: <b>8/11/17</b> Firm's name: <b>KERKERING, BARBERIO &amp; CO.</b> Firm's address: <b>P.O. BOX 49348 SARASOTA, FL 34230-6348</b> Firm's EIN: <b>59-1753337</b> Phone no: <b>941-365-4617</b>	Check if self-employed <input type="checkbox"/> PTIN: <b>P00585910</b>

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 \$ 7,830,641. including grants of \$ 172,871. ) (Revenue \$ 4,685,822. ) SEE SCHEDULE O:

4b (Code: ) (Expenses \$ 2,769,177. including grants of \$ ) (Revenue \$ 3,348,514. ) SEE SCHEDULE O:

4c (Code: ) (Expenses \$ 933,091. including grants of \$ 68,000. ) (Revenue \$ 550,849. ) SEE SCHEDULE O:

4d Other program services (Describe in Schedule O.) (Expenses \$ 1,740,724. including grants of \$ 114,455. ) (Revenue \$ 1,935,568. )

4e Total program service expenses 13,273,633.

**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> .....	<input checked="" type="checkbox"/>	
2 Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> ? .....	<input checked="" type="checkbox"/>	
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> .....		<input checked="" type="checkbox"/>
4 <b>Section 501(c)(3) organizations.</b> 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> .....	<input checked="" type="checkbox"/>	
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> .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....	<input checked="" type="checkbox"/>	
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> .....	<input checked="" type="checkbox"/>	
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> .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....	<input checked="" type="checkbox"/>	
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X</i> .....	<input checked="" type="checkbox"/>	
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> .....	<input checked="" type="checkbox"/>	
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> .....	<input checked="" type="checkbox"/>	
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> .....		<input checked="" type="checkbox"/>
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E</i> .....		<input checked="" type="checkbox"/>
14a Did the organization maintain an office, employees, or agents outside of the United States? .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....		<input checked="" type="checkbox"/>
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> .....	<input checked="" type="checkbox"/>	
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> .....		<input checked="" type="checkbox"/>

**Part IV Checklist of Required Schedules** (continued)

	Yes	No
20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H		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? If "Yes," complete Schedule I, Parts I and II	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? If "Yes," complete Schedule I, Parts I and III	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? If "Yes," complete Schedule J		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? If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a		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? If "Yes," complete Schedule L, Part 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? If "Yes," complete Schedule L, Part 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? If "Yes," complete Schedule L, Part II		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? If "Yes," complete Schedule L, Part III		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? If "Yes," complete Schedule L, Part IV		X
b A family member of a current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L, Part IV		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? If "Yes," complete Schedule L, Part IV		X
29 Did the organization receive more than \$25,000 in non-cash contributions? If "Yes," complete Schedule M	X	
30 Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? If "Yes," complete Schedule M		X
31 Did the organization liquidate, terminate, or dissolve and cease operations? If "Yes," complete Schedule N, Part I		X
32 Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? If "Yes," complete Schedule N, Part II		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? If "Yes," complete Schedule R, Part I		X
34 Was the organization related to any tax-exempt or taxable entity? If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1	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)? If "Yes," complete Schedule R, Part V, line 2		
36 Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? If "Yes," complete Schedule R, Part V, line 2		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? If "Yes," complete Schedule R, Part VI		X
38 Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19?		
Note. All Form 990 filers are required to complete Schedule O	X	

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

Main form table with columns for question numbers (1a-14b), sub-questions, and Yes/No columns. Includes questions about Form 1096, Form W-2G, Form W-3, and various tax compliance items.

**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

**Section A. Governing Body and Management**

	1a	1b	2	3	4	5	6	7a	7b	8a	8b	9	Yes	No
1a Enter the number of voting members of the governing body at the end of the tax year If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.	29													
b Enter the number of voting members included in line 1a, above, who are independent		28												
2 Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?														X
3 Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors, or trustees, or key employees to a management company or other person?														X
4 Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?														X
5 Did the organization become aware during the year of a significant diversion of the organization's assets?														X
6 Did the organization have members or stockholders?														X
7a Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?														X
b Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?														X
8 Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:														
a The governing body?										X				
b Each committee with authority to act on behalf of the governing body?										X				
9 Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O														X

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

	10a	10b	11a	11b	12a	12b	12c	13	14	15a	15b	16a	16b	Yes	No
10a Did the organization have local chapters, branches, or affiliates?															X
b If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?															
11a Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?			X												
b Describe in Schedule O the process, if any, used by the organization to review this Form 990.															
12a Did the organization have a written conflict of interest policy? If "No," go to line 13					X										
b Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?					X										
c Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done							X								
13 Did the organization have a written whistleblower policy?								X							
14 Did the organization have a written document retention and destruction policy?								X							
15 Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?															
a The organization's CEO, Executive Director, or top management official										X					
b Other officers or key employees of the organization If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).										X					
16a Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?															X
b If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?															

**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.  
 Own website     Another's website     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								
(2) ARTHUR ARMITAGE CHAIRMAN EMERITUS	5.00	X								
(3) DEAN EISNER TRUSTEE	5.00	X								
(4) ELIZABETH MOORE TRUSTEE	5.00	X								
(5) FREDERICK M. DERR, P.E. CHAIRMAN EMERITUS	5.00	X								
(6) HOWARD SEIDER, JR., M.D. TRUSTEE	5.00	X								
(7) JAMES D. ERICSON TRUSTEE	5.00	X								
(8) JEANIE STEVENSON TRUSTEE	5.00	X								
(9) JOHN DART TRUSTEE	5.00	X								
(10) JUDY GRAHAM CHAIRMAN EMERITUS	5.00	X								
(11) KIRK MALCOLM TRUSTEE	5.00	X								
(12) ROGAN DONELLY TRUSTEE	5.00	X								
(13) MAURICE CUNNIFFE TRUSTEE	5.00	X								
(14) NIGEL MOULD TRUSTEE	5.00	X								
(15) PAUL CARREIRO TRUSTEE	5.00	X								
(16) PENELOPE KINGMAN TRUSTEE	5.00	X								
(17) RANDE RIDENOUR TRUSTEE	5.00	X								

**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								
(19) ROBERT CARTER CHAIRMAN EMERITUS	5.00	X								
(20) GENE BECKSTEIN CHAIRMAN EMERITUS	5.00	X								
(21) RONALD CIARAVELLA TRUSTEE	5.00	X								
(22) SCOTT COLLINS TRUSTEE	5.00	X								
(23) SUSAN C. GILMORE TRUSTEE	5.00	X								
(24) TRUDO LETSCHERT TRUSTEE	5.00	X								
(25) G. LOWE MORRISON CHAIRMAN	5.00	X		X						
(26) ROBERT ESSNER VICE CHAIRMAN	5.00	X		X						
1b Sub-total .....										
c Total from continuation sheets to Part VII, Section A .....										
d Total (add lines 1b and 1c) .....										

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

	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 .....	3	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 .....	4	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 .....	5	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
NONE		

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

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	1a					
	b Membership dues	1b					
	c Fundraising events	1c	150,582.				
	d Related organizations	1d	382,827.				
	e Government grants (contributions)	1e					
	f All other contributions, gifts, grants, and similar amounts not included above	1f	2,743,029.				
	g Noncash contributions included in lines 1a-1f: \$		310,204.				
	h Total. Add lines 1a-1f		3,276,438.				
	Program Service Revenue			<b>Business Code</b>			
2 a RESEARCH			541700	4,685,822.	4,685,822.		
b AQUARIUM			713990	3,348,514.	3,348,514.		
c PROTECT OUR REEFS - LICENSE PLATE			900099	752,988.	752,988.		
d MEMBERSHIPS			900099	702,718.	702,718.		
e EDUCATION AND DISTANCE LEARNING			611710	550,849.	550,849.		
f All other program service revenue			900099	479,862.	479,862.		
g Total. Add lines 2a-2f				10,520,753.			
Other Revenue	3 Investment income (including dividends, interest, and other similar amounts)			6,827.		6,827.	
	4 Income from investment of tax-exempt bond proceeds						
	5 Royalties						
	6 a Gross rents	(i) Real	(ii) Personal				
		b Less: rental expenses					
		c Rental income or (loss)					
		d Net rental income or (loss)					
	7 a Gross amount from sales of assets other than inventory	(i) Securities	(ii) Other				
		b Less: cost or other basis and sales expenses					
		c Gain or (loss)					
		d Net gain or (loss)			-20,301.		-20,301.
	8 a Gross income from fundraising events (not including \$ 150,582. of contributions reported on line 1c). See Part IV, line 18	a					
		b Less: direct expenses	b				
		c Net income or (loss) from fundraising events			19,770.		19,770.
	9 a Gross income from gaming activities. See Part IV, line 19	a					
b Less: direct expenses		b					
c Net income or (loss) from gaming activities							
10 a Gross sales of inventory, less returns and allowances	a						
	b Less: cost of goods sold	b					
	c Net income or (loss) from sales of inventory			528,181.		528,181.	
Miscellaneous Revenue		<b>Business Code</b>					
11 a							
b							
c							
d All other revenue							
e Total. Add lines 11a-11d							
12 Total revenue. See instructions.			14,331,668.	10,520,753.	0.	534,477.	

**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	114,455.	114,455.		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	240,871.	240,871.		
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	369,810.	101,560.	229,892.	38,358.
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	6,502,680.	5,267,333.	911,132.	324,215.
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	367,119.	301,232.	43,518.	22,369.
9 Other employee benefits	498,819.	391,665.	78,069.	29,085.
10 Payroll taxes	508,068.	395,814.	82,861.	29,393.
11 Fees for services (non-employees):				
a Management				
b Legal	22,718.	21,818.	900.	
c Accounting	39,350.		39,350.	
d Lobbying	110,390.			110,390.
e Professional fundraising services. See Part IV, line 17				
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.)	949,738.	743,984.	101,242.	104,512.
12 Advertising and promotion	347,269.	245,826.	4,508.	96,935.
13 Office expenses	577,190.	423,513.	98,255.	55,422.
14 Information technology				
15 Royalties				
16 Occupancy	697,902.	516,338.	179,304.	2,260.
17 Travel	451,208.	434,389.	8,634.	8,185.
18 Payments of travel or entertainment expenses for any federal, state, or local public officials				
19 Conferences, conventions, and meetings	47,275.	41,208.	2,326.	3,741.
20 Interest	134,763.	106,319.	28,444.	
21 Payments to affiliates				
22 Depreciation, depletion, and amortization	1,811,178.	450,488.	1,360,690.	
23 Insurance	426,075.	192,829.	227,942.	5,304.
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 <b>EQUIPMENT RENTAL &amp; MAIN</b>	1,049,085.	719,353.	322,597.	7,135.
b <b>SUPPLIES</b>	517,657.	516,110.	1,519.	28.
c <b>INTERNAL RENTALS</b>	0.	120,088.	-126,554.	6,466.
d <b>OVERHEAD ALLOCATION</b>	0.	1,791,886.	-1,791,886.	
e All other expenses	177,152.	136,554.	15,399.	25,199.
<b>25 Total functional expenses.</b> Add lines 1 through 24e	<b>15,960,772.</b>	<b>13,273,633.</b>	<b>1,818,142.</b>	<b>868,997.</b>
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	
<b>Assets</b>	1	Cash - non-interest-bearing	6,585,957.	1	5,432,588.
	2	Savings and temporary cash investments	2,558,020.	2	2,562,580.
	3	Pledges and grants receivable, net	4,450,342.	3	4,445,731.
	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	1,300,000.	7	0.
	8	Inventories for sale or use	128,640.	8	100,738.
	9	Prepaid expenses and deferred charges	33,433.	9	82,310.
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a 59,375,184.		
	b	Less: accumulated depreciation	10b 38,359,446.	10c 21,746,238.	21,015,738.
	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	16,053,412.	15	17,851,076.
16	<b>Total assets. Add lines 1 through 15 (must equal line 34)</b>	<b>52,856,042.</b>	<b>16</b>	<b>51,490,761.</b>	
<b>Liabilities</b>	17	Accounts payable and accrued expenses	1,006,783.	17	1,510,822.
	18	Grants payable		18	
	19	Deferred revenue	7,491,573.	19	7,505,842.
	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	7,387,017.	23	7,742,984.
	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	610,278.	25	592,875.
	26	<b>Total liabilities. Add lines 17 through 25</b>	<b>16,495,651.</b>	<b>26</b>	<b>17,352,523.</b>
<b>Net Assets or Fund Balances</b>	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	16,231,252.	27	14,753,819.
	28	Temporarily restricted net assets	9,763,008.	28	8,879,490.
	29	Permanently restricted net assets	10,366,131.	29	10,504,929.
	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	<b>Total net assets or fund balances</b>	<b>36,360,391.</b>	<b>33</b>	<b>34,138,238.</b>	
34	<b>Total liabilities and net assets/fund balances</b>	<b>52,856,042.</b>	<b>34</b>	<b>51,490,761.</b>	

**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	14,331,668.
2	Total expenses (must equal Part IX, column (A), line 25)	2	15,960,772.
3	Revenue less expenses. Subtract line 2 from line 1	3	-1,629,104.
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	36,360,391.
5	Net unrealized gains (losses) on investments	5	1,346.
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	-594,395.
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	34,138,238.

**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)

**SCHEDULE A**  
(Form 990 or 990-EZ)

Department of the Treasury  
Internal Revenue Service

**Public Charity Status and Public Support**

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.

▶ Attach to Form 990 or Form 990-EZ.

▶ Information about Schedule A (Form 990 or 990-EZ) and its instructions is at [www.irs.gov/form990](http://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 Reason for Public Charity Status** (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is: (For lines 1 through 12, check only one box.)

- 1  A church, convention of churches, or association of churches described in section 170(b)(1)(A)(i).
- 2  A school described in section 170(b)(1)(A)(ii). (Attach Schedule E (Form 990 or 990-EZ).)
- 3  A hospital or a cooperative hospital service organization described in section 170(b)(1)(A)(iii).
- 4  A medical research organization operated in conjunction with a hospital described in section 170(b)(1)(A)(iii). Enter the hospital's name, city, and state: \_\_\_\_\_
- 5  An organization operated for the benefit of a college or university owned or operated by a governmental unit described in section 170(b)(1)(A)(iv). (Complete Part II.)
- 6  A federal, state, or local government or governmental unit described in section 170(b)(1)(A)(v).
- 7  An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in section 170(b)(1)(A)(vi). (Complete Part II.)
- 8  A community trust described in section 170(b)(1)(A)(vi). (Complete Part II.)
- 9  An agricultural research organization described in section 170(b)(1)(A)(ix) operated in conjunction with a land-grant college or university or a non-land-grant college of agriculture (see instructions). Enter the name, city, and state of the college or university: \_\_\_\_\_
- 10  An organization that normally receives: (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions - subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975. See section 509(a)(2). (Complete Part III.)
- 11  An organization organized and operated exclusively to test for public safety. See section 509(a)(4).
- 12  An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2). See section 509(a)(3). Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g.
  - a  **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization. You must complete Part IV, Sections A and B.
  - b  **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s). You must complete Part IV, Sections A and C.
  - c  **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions). You must complete Part IV, Sections A, D, and E.
  - d  **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated. The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions). You must complete Part IV, Sections A and D, and Part V.
  - e  Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization.
  - f Enter the number of supported organizations .....

g Provide the following information about the supported organization(s).

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1-10 above (see instructions))	(iv) Is the organization listed in your governing document?		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
			Yes	No		
<b>Total</b>						

**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.") .....	3,007,908.	4,217,004.	4,826,927.	12,678,299.	3,276,438.	28,006,576.
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 .....	3,007,908.	4,217,004.	4,826,927.	12,678,299.	3,276,438.	28,006,576.
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) .....						2,933,595.
6 Public support. Subtract line 5 from line 4.						25,072,981.

**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 .....	3,007,908.	4,217,004.	4,826,927.	12,678,299.	3,276,438.	28,006,576.
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources ...	38,376.	42,874.	55,103.	32,583.	6,827.	175,763.
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						28,182,339.
12 Gross receipts from related activities, etc. (see instructions) .....					73,971,726.	
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	88.97 %
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
<b>1</b> Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.") .....						
<b>2</b> 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 .....						
<b>3</b> Gross receipts from activities that are not an unrelated trade or business under section 513 .....						
<b>4</b> Tax revenues levied for the organization's benefit and either paid to or expended on its behalf .....						
<b>5</b> The value of services or facilities furnished by a governmental unit to the organization without charge .....						
<b>6 Total.</b> Add lines 1 through 5 .....						
<b>7a</b> Amounts included on lines 1, 2, and 3 received from disqualified persons .....						
<b>b</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 .....						
<b>c</b> Add lines 7a and 7b .....						
<b>8 Public support.</b> (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
<b>9</b> Amounts from line 6 .....						
<b>10a</b> Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources .....						
<b>b</b> Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975 .....						
<b>c</b> Add lines 10a and 10b .....						
<b>11</b> Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on .....						
<b>12</b> Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.) .....						
<b>13 Total support.</b> (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**

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

**Section D. Computation of Investment Income Percentage**

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

**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? 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.		
2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).		
3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below.		
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)? If "Yes," describe in Part VI when and how the organization made the determination.		
c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in Part VI what controls the organization put in place to ensure such use.		
4a Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes," and if you checked 12a or 12b in Part I, answer (b) and (c) below.		
b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? 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.		
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)? 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.		
5a Did the organization add, substitute, or remove any supported organizations during the tax year? 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).		
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? If "Yes," provide detail in Part VI.		
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? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).		
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).		
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))? If "Yes," provide detail in Part VI.		
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? If "Yes," provide detail in Part VI.		
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? If "Yes," provide detail in Part VI.		
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)? If "Yes," answer 10b below.		
b Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether the organization had excess business holdings.)		

**Part IV Supporting Organizations** (continued)

	Yes	No
<b>11</b> Has the organization accepted a gift or contribution from any of the following persons?		
<b>a</b> 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>b</b> A family member of a person described in (a) above?		
<b>c</b> 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
<b>1</b> 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.		
<b>2</b> 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
<b>1</b> 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
<b>1</b> 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?		
<b>2</b> 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).		
<b>3</b> 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**

<b>1</b> Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions).		
<b>a</b> <input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.		
<b>b</b> <input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.		
<b>c</b> <input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).		
<b>2</b> Activities Test. Answer (a) and (b) below.		
<b>a</b> 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.	Yes	No
<b>b</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.		
<b>3</b> Parent of Supported Organizations. Answer (a) and (b) below.		
<b>a</b> 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>b</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.

<b>Section A - Adjusted Net Income</b>		(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	<b>Adjusted Net Income</b> (subtract lines 5, 6, and 7 from line 4)	8	

<b>Section B - Minimum Asset Amount</b>		(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	<b>Total</b> (add lines 1a, 1b, and 1c)	1d	
e	<b>Discount claimed for blockage or other factors</b> (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	<b>Minimum Asset Amount</b> (add line 7 to line 6)	8	

<b>Section C - Distributable Amount</b>			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	<b>Distributable Amount.</b> 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 <b>Total annual distributions.</b> 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 <b>Total of lines 3a through e</b>			
g Applied to underdistributions of prior years			
h Applied to 2016 distributable amount			
i Carryover from 2011 not applied (see instructions)			
j <b>Remainder.</b> 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 <b>Remainder.</b> 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 <b>Excess distributions carryover to 2017.</b> 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			

**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.)

**PART II**

**THE CURRENT TAX YEAR IS A SHORT YEAR BECAUSE THE ORGANIZATION CHANGED FROM A CALANDER YEAR END TO A SEPTEMBER 30 FISCAL YEAR END.**

Name of the organization

Employer identification number

**MOTE MARINE LABORATORY, INC.**

**59-0756643**

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).

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		\$ 122,388.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
2		\$ 99,712.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
3		\$ 86,426.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
4		\$ 500,850.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
5		\$ 122,136.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
6		\$ 78,218.	Person <input checked="" 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 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
		\$ _____	_____
		\$ _____	_____
		\$ _____	_____
		\$ _____	_____
		\$ _____	_____
		\$ _____	_____
		\$ _____	_____
		\$ _____	_____
		\$ _____	_____



Name of organization

Employer identification number

**MOTE MARINE LABORATORY, INC.**

59-0756643

**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](http://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

**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-

**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) .....	110,390.													
c	Total lobbying expenditures (add lines 1a and 1b) .....	110,390.													
d	Other exempt purpose expenditures .....	15,850,382.													
e	Total exempt purpose expenditures (add lines 1c and 1d) .....	15,960,772.													
f	Lobbying nontaxable amount. Enter the amount from the following table in both columns.	948,039.													
<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) .....	237,010.													
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.	1,000,000.	948,039.	3,948,039.
b Lobbying ceiling amount (150% of line 2a, column(e))					5,922,059.
c Total lobbying expenditures	133,687.	158,196.	164,351.	110,390.	566,624.
d Grassroots nontaxable amount	250,000.	250,000.	250,000.	237,010.	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
<b>1</b> 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:			
<b>a</b> Volunteers? .....			
<b>b</b> Paid staff or management (include compensation in expenses reported on lines 1c through 1i)? ..			
<b>c</b> Media advertisements? .....			
<b>d</b> Mailings to members, legislators, or the public? .....			
<b>e</b> Publications, or published or broadcast statements? .....			
<b>f</b> Grants to other organizations for lobbying purposes? .....			
<b>g</b> Direct contact with legislators, their staffs, government officials, or a legislative body? .....			
<b>h</b> Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means? .....			
<b>i</b> Other activities? .....			
<b>j</b> Total. Add lines 1c through 1i .....			
<b>2a</b> Did the activities in line 1 cause the organization to be not described in section 501(c)(3)? .....			
<b>b</b> If "Yes," enter the amount of any tax incurred under section 4912 .....			
<b>c</b> If "Yes," enter the amount of any tax incurred by organization managers under section 4912 .....			
<b>d</b> 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
<b>1</b> Were substantially all (90% or more) dues received nondeductible by members? .....	<b>1</b>	
<b>2</b> Did the organization make only in-house lobbying expenditures of \$2,000 or less? .....	<b>2</b>	
<b>3</b> Did the organization agree to carry over lobbying and political campaign activity expenditures from the prior year? .....	<b>3</b>	

**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."

<b>1</b> Dues, assessments and similar amounts from members .....	<b>1</b>	
<b>2</b> Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).		
<b>a</b> Current year .....	<b>2a</b>	
<b>b</b> Carryover from last year .....	<b>2b</b>	
<b>c</b> Total .....	<b>2c</b>	
<b>3</b> Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues .....	<b>3</b>	
<b>4</b> 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? .....	<b>4</b>	
<b>5</b> Taxable amount of lobbying and political expenditures (see instructions) .....	<b>5</b>	

**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.

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SCHEDULE D (Form 990)

Supplemental Financial Statements

OMB No. 1545-0047

2016

Open to Public Inspection

Department of the Treasury Internal Revenue Service

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.

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.

Table with 3 columns: Question number, (a) Donor advised funds, (b) Funds and other accounts. Rows include total number at end of year, aggregate value of contributions, aggregate value of grants, aggregate value at end of year, and two questions about donor notification.

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

Table with 3 columns: Question number, Description, and Held at the End of the Tax Year. Rows include purpose(s) of conservation easements, total number of easements, total acreage, number of easements on historic structures, number of modified easements, number of states, monitoring policy, staff hours, expenses, and reporting requirements.

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.

Table with 3 columns: Question number, Description, and Amount. Rows include reporting requirements for collections of art and assets held for financial gain.

**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	617,820.	618,670.	618,040.	615,933.	614,327.
b Contributions					
c Net investment earnings, gains, and losses	1,568.	418.	2,655.	-4,109.	6,395.
d Grants or scholarships					
e Other expenditures for facilities and programs	196.	1,268.	2,025.	6,216.	4,789.
f Administrative expenses					
g End of year balance	619,192.	617,820.	618,670.	618,040.	615,933.

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  98.85 %
- c Temporarily restricted endowment  1.15 %

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		X
(ii) related organizations		X
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		34,283,380.	23,661,249.	10,622,131.
c Leasehold improvements				
d Equipment		14,791,757.	12,580,489.	2,211,268.
e Other		2,801,857.	2,117,708.	684,149.
<b>Total.</b> Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c.)				21,015,738.

**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)		
<b>Total.</b> (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)		
<b>Total.</b> (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.	15,174,210.
(2) DONATED ASSETS HELD FOR SALE	45,610.
(3) PATENTS	102,404.
(4) CONSTRUCTION IN PROGRESS	1,938,248.
(5) INVESTMENT IN DEFERRED COMPENSATION PLAN	585,964.
(6) SECURITY DEPOSIT	4,640.
(7)	
(8)	
(9)	
<b>Total.</b> (Column (b) must equal Form 990, Part X, col. (B) line 15.)	17,851,076.

**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	585,964.
(3) DUE TO MOTE MARINE FOUNDATION,	
(4) INC.	6,911.
(5)	
(6)	
(7)	
(8)	
(9)	
<b>Total.</b> (Column (b) must equal Form 990, Part X, col. (B) line 25.)	592,875.

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.

<b>1</b>	Total revenue, gains, and other support per audited financial statements		<b>1</b>	14,182,002.
<b>2</b>	Amounts included on line 1 but not on Form 990, Part VIII, line 12:			
<b>a</b>	Net unrealized gains (losses) on investments	2a		1,346.
<b>b</b>	Donated services and use of facilities	2b		2,900.
<b>c</b>	Recoveries of prior year grants	2c		
<b>d</b>	Other (Describe in Part XIII.)	2d		-594,395.
<b>e</b>	Add lines 2a through 2d		2e	-590,149.
<b>3</b>	Subtract line 2e from line 1		<b>3</b>	14,772,151.
<b>4</b>	Amounts included on Form 990, Part VIII, line 12, but not on line 1:			
<b>a</b>	Investment expenses not included on Form 990, Part VIII, line 7b	4a		
<b>b</b>	Other (Describe in Part XIII.)	4b		-440,483.
<b>c</b>	Add lines 4a and 4b		4c	-440,483.
<b>5</b>	Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.)		<b>5</b>	14,331,668.

**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.

<b>1</b>	Total expenses and losses per audited financial statements		<b>1</b>	16,404,155.
<b>2</b>	Amounts included on line 1 but not on Form 990, Part IX, line 25:			
<b>a</b>	Donated services and use of facilities	2a		2,900.
<b>b</b>	Prior year adjustments	2b		
<b>c</b>	Other losses	2c		
<b>d</b>	Other (Describe in Part XIII.)	2d		440,483.
<b>e</b>	Add lines 2a through 2d		2e	443,383.
<b>3</b>	Subtract line 2e from line 1		<b>3</b>	15,960,772.
<b>4</b>	Amounts included on Form 990, Part IX, line 25, but not on line 1:			
<b>a</b>	Investment expenses not included on Form 990, Part VIII, line 7b	4a		
<b>b</b>	Other (Describe in Part XIII.)	4b		
<b>c</b>	Add lines 4a and 4b		4c	0.
<b>5</b>	Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)		<b>5</b>	15,960,772.

**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.	705,605.
LOSS ON SALE OF SUBSIDIARY	-1,300,000.
TOTAL TO SCHEDULE D, PART XI, LINE 2D	-594,395.

PART XI, LINE 4B - OTHER ADJUSTMENTS:

COST OF GOODS SOLD NETTED WITH SALES INCLUDED IN PART VIII	
FORM 990	-360,571.
SPECIAL EVENTS EXPENSES INCLUDED IN PART VIII FORM 990	-79,912.
TOTAL TO SCHEDULE D, PART XI, LINE 4B	-440,483.

PART XII, LINE 2D - OTHER ADJUSTMENTS:

COST OF GOODS SOLD NETTED WITH SALES INCLUDED IN PART VIII	
FORM 990	360,571.
SPECIAL EVENTS EXPENSES INCLUDED IN PART VIII FORM 990	79,912.
TOTAL TO SCHEDULE D, PART XII, LINE 2D	440,483.



**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)	RUN FOR THE TURTLES (event type)	2 (total number)		
Revenue	1	Gross receipts	83,295.	75,801.	91,168.	250,264.
	2	Less: Contributions	55,980.	47,504.	47,098.	150,582.
	3	Gross income (line 1 minus line 2)	27,315.	28,297.	44,070.	99,682.
Direct Expenses	4	Cash prizes				
	5	Noncash prizes				
	6	Rent/facility costs				
	7	Food and beverages			28,830.	28,830.
	8	Entertainment				
	9	Other direct expenses	4,136.	29,357.	17,589.	51,082.
	10	Direct expense summary. Add lines 4 through 9 in column (d)				79,912.
11	Net income summary. Subtract line 10 from line 3, column (d)				19,770.	

**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: \_\_\_\_\_





**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.

OMB No. 1545-0047

**2016**

Open to Public  
Inspection

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

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

Yes  No

**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)	16,772.	0.			PROTECT OUR REEFES GRANT
UNIVERSITY OF MIAMI 4600 RICKENBACKER CAUSEWAY MIAMI, FL 33149	59-0624458	501(C)(3)	37,457.	0.			PROTECT OUR REEFES GRANT
NOVA UNIVERSITY 3301 COLLEGE AVENUE FT. LAUDERDALE, FL 33314	59-1083502	501(C)(3)	11,115.	0.			PROTECT OUR REEFES GRANT
REEF RELIEF PO BOX 430 KEY WEST, FL 33041	59-2696402	501(C)(3)	15,525.	0.			PROTECT OUR REEFES GRANT
JACKSONVILLE UNIVERSITY 2800 UNIVERSITY BLVD JACKSONVILLE, FL 32211	59-0624412	501(C)(3)	9,694.	0.			PROTECT OUR REEFES GRANT
FLORIDA ATLANTIC UNIVERSITY 777 GLADES RD BOCA RATON, FL 33431	65-0385507	THE STATE OF FLORIDA	5,818.	0.			PROTECT OUR REEFES GRANT

**2** Enter total number of section 501(c)(3) and government organizations listed in the line 1 table **7.**

**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.

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
ECKERD COLLEGE 4200 54TH AVE S ST. PETERSBURG, FL 33711	59-0859121	501(C)(3)	7,478.	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	54	68,000.	0.		
STIPENDS	42	172,871.	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





**SCHEDULE M  
(Form 990)**

**Noncash Contributions**

OMB No. 1545-0047

**2016**

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](http://www.irs.gov/form990).

Open To Public  
Inspection

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	2,800.	FAIR MARKET VALUE
7	Boats and planes	X	8	47,800.	FAIR MARKET VALUE
8	Intellectual property				
9	Securities - Publicly traded	X	4	250,094.	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 ▶ ( AQUARIUM EXHI )	X	2	9,510.	FAIR MARKET VALUE
26	Other ▶ ( )				
27	Other ▶ ( )				
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

	Yes	No
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? .....		X
b If "Yes," describe the arrangement in Part II.		
31 Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions? .....	X	
32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions? .....		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)



**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](http://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

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 DECEMBER 2016, MOTE HAS MORE THAN 20 RESEARCH PROGRAMS CONDUCTING  
WORLD-CLASS SCIENCE NOT ONLY IN OUR HOME COMMUNITY OF SOUTHWEST  
FLORIDA, BUT IN THE OCEANS AROUND ALL SEVEN CONTINENTS.

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.

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](http://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 61 YEARS, MOTE HAS GROWN FROM A TINY SHED 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, WITH FIELD STATIONS 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 220 INCLUDING 34 DOCTORAL-LEVEL SCIENTISTS. MOTE ALSO MAINTAINS A FANTASTIC GROUP OF 1,524 VOLUNTEERS.

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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 [WWW.MOTE.ORG/LIBRARY](http://WWW.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 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 POPULATION DYNAMICS OF MANATEES, DOLPHINS, SEA TURTLES AND SHARKS, WITH A FOCUS ON THEIR CONSERVATION. (FOR A FULL AND CURRENT LISTING OF MOTE MARINE LABORATORY'S RESEARCH PROGRAMS AND INITIATIVES, PLEASE VISIT

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WWW.MOTE.ORG.)

RESEARCH HIGHLIGHTS FROM 2016:

HISTORIC FUNDRAISING CAMPAIGN EXCEEDS \$50-MILLION GOAL

DURING 2016, MOTE MARINE LABORATORY BEGAN A NEW CHAPTER IN ITS 61-YEAR MISSION OF TODAY'S RESEARCH FOR TOMORROW'S OCEANS, THANKS TO THE HUMBLING GENEROSITY OF 23,000 SUPPORTERS. THESE SUPPORTERS OF ALL AGES COMMITTED NEARLY \$52 MILLION IN DONATIONS TO MOTE'S FIRST-EVER COMPREHENSIVE FUNDRAISING CAMPAIGN, OCEANS OF OPPORTUNITY. FUNDS FROM THE CAMPAIGN, WHICH CONCLUDED IN OCTOBER 2016, ARE HELPING MOTE DEEPEN ITS POSITIVE IMPACT ON THE GRAND CHALLENGES FACING OCEANS LOCALLY AND GLOBALLY, IN LINE WITH THE LAB'S 2020 VISION & STRATEGIC PLAN.

STUDY: GREENHOUSE GAS CAN ESCAPE DEEP OCEAN IN SURPRISING WAY

IN JANUARY 2016, MOTE ANNOUNCED A PEER-REVIEWED STUDY THAT HELPED REVEAL A NEW PIECE OF THE GLOBAL CARBON CYCLE. ACCORDING TO THE STUDY, THE GREENHOUSE GAS CARBON DIOXIDE CAN EMERGE FROM DEEP-SEA MUCK IN A SURPRISING WAY - A PROCESS USUALLY DESCRIBED IN SHALLOWER WATER. THE RESULTS CALL INTO QUESTION SOME COMMON ASSUMPTIONS ABOUT CARBON CYCLING.

UNDERSEA SEDIMENTS ARE IMPORTANT IN THE GLOBAL CARBON CYCLE, WHICH MUST BE UNDERSTOOD TO GRASP LARGE-SCALE PROCESSES LIKE CLIMATE CHANGE.

THE JOURNAL ARTICLE IS: "IMPORTANCE OF MICROBIAL IRON REDUCTION IN DEEP SEDIMENTS OF RIVER-DOMINATED CONTINENTAL-MARGINS" IN MARINE CHEMISTRY.

HTTPS://DOI.ORG/10.1016/J.MARCHEM.2015.12.003

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STUDY: SHARK WITH LOWEST-KNOWN METABOLISM IS A SLUGGISH SUCCESS

MOTE RESEARCH ANNOUNCED IN FEBRUARY 2016 REVEALED THAT NURSE SHARKS HAVE THE LOWEST METABOLIC RATE MEASURED IN ANY SHARK - NEW EVIDENCE OF THE SLUGGISH LIFESTYLE THAT HAS HELPED THE SPECIES SURVIVE FOR MILLENNIA.

THE STUDY ENHANCES KNOWLEDGE ABOUT THE METABOLISM OF SHARKS - MARINE PREDATORS WHOSE ENERGY NEEDS ARE LITTLE-UNDERSTOOD BUT SUSPECTED TO PLAY A BIG ROLE IN THE WORKINGS OF HEALTHY ECOSYSTEMS. THE STUDY, "THE EFFECTS OF TEMPERATURE AND SWIMMING SPEED ON THE METABOLIC RATE OF THE NURSE SHARK (GINGLYMOSTOMA CIRRATUM, BONATERRE)," WAS PRINTED IN THE APRIL VOLUME OF THE PEER-REVIEWED JOURNAL OF EXPERIMENTAL MARINE BIOLOGY AND ECOLOGY. IT WAS FUNDED BY THE NATIONAL SCIENCE FOUNDATION (NSF). [HTTPS://DOI.ORG/10.1016/J.JEMBE.2015.12.009](https://doi.org/10.1016/j.jembe.2015.12.009)

STUDY: MOTE SCIENTIST IDENTIFIES FIRST U.S. BLACK GROUPER SPAWNING SITE MOTE SCIENTIST DR. JAMES LOCASCIO DESCRIBED THE FIRST-KNOWN U.S. SPAWNING SITE FOR BLACK GROUPER IN A FEBRUARY 2016 PRINT VOLUME OF U.S. FISHERY BULLETIN, THE NATION'S OLDEST PEER-REVIEWED FISHERIES JOURNAL. [HTTP://FISHBULL.NOAA.GOV/1141/LOCASCIO.PDF](http://fishbull.noaa.gov/1141/locascio.pdf)

THIS BLACK GROUPER SPAWNING SITE, RILEY'S HUMP IN THE TORTUGAS SOUTH ECOLOGICAL RESERVE OF THE FLORIDA KEYS, ALSO HOSTS SPAWNING, OR REPRODUCTIVE ACTIVITY, OF RED GROUPER AND RED HIND.

THE STUDY WAS FUNDED BY A GRANT FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) CORAL REEF CONSERVATION PROGRAM.



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DEMOLITION AND CONSTRUCTION FOR MOTE'S NEW LAB IN KEYS

MOTE BEGAN THE DEMOLITION OF ITS BUILDINGS IN THE FLORIDA KEYS ON FEB. 18 TO MAKE WAY FOR THE CONSTRUCTION OF ITS NEW INTERNATIONAL CENTER FOR CORAL REEF RESEARCH & RESTORATION. IN DECEMBER, MOTE CELEBRATED THE LAST STEPS OF OUTER CONSTRUCTION AND THE OFFICIAL OPENING WAS SCHEDULED FOR SPRING 2017.

THE 19,000-SQUARE-FOOT FACILITY WILL MORE THAN DOUBLE MOTE'S RESEARCH AND EDUCATION SPACE AT ITS EXISTING CAMPUS ON SUMMERLAND KEY, FLORIDA. THIS CAMPUS HOSTS MOTE SCIENTISTS AND COLLABORATORS FROM AROUND THE WORLD, PARTICULARLY FOR STUDIES OF THREATS TO CORAL REEFS AND SCIENCE-BASED REEF RESTORATION EFFORTS.

DEEPWATER HORIZON-RELATED RESEARCH PROGRESSES

MOTE SCIENTISTS CONTINUED RESEARCH RELATED TO THE DEEPWATER HORIZON OIL SPILL, FOCUSING ON THREE IMPORTANT GULF OF MEXICO MARINE FISHES - RED DRUM, POMPANO AND SOUTHERN FLOUNDER. THESE STUDIES, USING DEEPWATER HORIZON OIL OR SOUTH LOUISIANA CRUDE OIL, ARE HELPING TO RIGOROUSLY DOCUMENT SPECIFIC WAYS THAT OIL CAN AFFECT IMMUNE AND REPRODUCTIVE HEALTH, VIABILITY OF OFFSPRING AND OTHER TRAITS IMPORTANT FOR MAINTAINING FISH POPULATIONS.

TWO MOTE-LED STUDIES ARE REVEALING HOW OIL CAN AFFECT GULF OF MEXICO FISHES IN THE LAB - TO HELP INTERPRET POSSIBLE IMPACTS TO FISH EXPOSED TO OIL IN THE WILD. MOST IMPORTANTLY: THE LEVELS OF OIL USED IN THE LAB STUDY DID NOT KILL THE FISH OUTRIGHT, BUT THEY HAD SUBTLE IMPACTS ON VITAL FUNCTIONS SUCH AS THE ABILITY TO EFFECTIVELY REPRODUCE AND THE IMMUNE SYSTEM PROCESSES NEEDED FOR HEALTH. UNDERSTANDING SUCH

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"SUBLETHAL" IMPACTS IN THE LAB IS CRITICAL FOR DETECTING THEM IN WILD FISH AND SUSTAINING FISH POPULATIONS.

IN A STUDY OF SPAWNING POMPANO: SURVIVAL OF OFFSPRING FROM PARENTS EXPOSED TO OIL IN THE LAB WAS SIGNIFICANTLY LESS THAN OFFSPRING FROM NON-EXPOSED PARENTS. IN ADDITION, SPERM MOTILITY WAS SIGNIFICANTLY IMPAIRED IN THE OIL-EXPOSED MALE POMPANO, WHICH WILL COMPROMISE REPRODUCTIVE SUCCESS.

OVER FOUR DAYS, THE LIVER OF OIL-EXPOSED RED FISH (RED DRUM) ACCUMULATED TOTAL POLYCYCLIC AROMATIC HYDROCARBONS (OIL COMPONENTS) TWO ORDERS OF MAGNITUDE HIGHER THAN THEIR PRE-OIL STATUS. THE RESEARCHERS CHARACTERIZED THE GENE EXPRESSION IN THOSE SAME EXPOSED FISH, FINDING SIGNIFICANT DIFFERENCES IN EXPRESSION THAT INDICATE BOTH IMMUNOSUPPRESSION AND INCREASES IN OXIDATIVE STRESS IN THE LIVER FROM THIS EXPOSURE.

NOT ALL FISH RESPOND TO OIL THE SAME WAY. RED FISH IN THE MOTE STUDY EXHIBITED DIFFERENT IMMUNE RESPONSES THAN THOSE REPORTED FROM OTHER FISH SPECIES EXPOSED TO OIL, ILLUSTRATING THE COMPLEXITIES IN UNDERSTANDING THE SUSTAINABILITY OF FISHERIES AND THEIR ECOSYSTEMS.

STUDY RELEASED: YOUNG DOLPHIN MORTALITY FOLLOWING DEEPWATER HORIZON OIL SPILL

RESEARCHERS HAVE BEEN CLOSELY MONITORING BOTTLENOSE DOLPHINS IN THE NORTHERN GULF OF MEXICO SINCE AN UNUSUAL MORTALITY EVENT (UME) BEGAN IN FEBRUARY 2010 AND FOLLOWING THE APRIL 2010 DEEPWATER HORIZON OIL SPILL.

THE TEAM HAS REPORTED THAT PERINATAL DOLPHINS THROUGHOUT LOUISIANA,

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MISSISSIPPI, AND ALABAMA WERE SUSCEPTIBLE TO FETAL DISTRESS AND IN UTERO INFECTIONS DURING THE UME.

IN A PEER-REVIEWED STUDY PUBLISHED APRIL 12, 2016, THE TEAM LINKED THE PERINATAL DEATHS TO POOR MATERNAL HEALTH FOLLOWING THE DEEPWATER HORIZON OIL SPILL.

THE PAPER'S LEAD AUTHOR IS FROM UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN. CO-AUTHORS HAIL FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND OTHER INSTITUTIONS, INCLUDING MOTE MARINE LABORATORY. MOTE AND SEVERAL OTHER CONTRIBUTORS ARE PARTNERS IN THE MARINE MAMMAL STRANDING NETWORK OVERSEEN BY NOAA. NOAA'S APRIL 12 PRESS RELEASE.

FIRST FISH SURVEY IN SARASOTA COUNTY CANAL SYSTEM IN APRIL 2016, MOTE RESEARCHERS ANNOUNCED THAT THEY WERE CONDUCTING THE FIRST SCIENTIFIC SURVEY OF FISHES IN HUMAN-MADE CANALS OF SARASOTA COUNTY. THESE CANALS WERE DESIGNED FOR FLOOD CONTROL, AND UNTIL THIS PROJECT, NO ONE HAD SYSTEMATICALLY STUDIED HOW THEY MIGHT BENEFIT NATIVE FISHERIES. IN APRIL THE RESEARCHERS USED SEINE NETS TO CATCH AND RELEASE FISH THROUGHOUT THE COUNTY'S LARGEST CANAL SYSTEM, WHICH DRAINS INTO PHILLIPPI CREEK, DOCUMENTING THE SPECIES DIVERSITY AND ABUNDANCE OF FISHES, ALONG WITH CHARACTERISTICS OF THEIR HABITATS.

STUDY INVESTIGATES SHARK SURVIVAL AFTER THE HOOK RESEARCH BY MOTE SCIENTISTS, PUBLISHED IN THE PEER-REVIEWED JOURNAL FISHERIES RESEARCH, DEMONSTRATED THAT FITBIT-LIKE SENSORS ARE THE BEST TOOLS FOR MONITORING WHETHER SHARKS SURVIVE CATCH-AND-RELEASE FISHING -

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ESSENTIAL DATA FOR FISHERIES MANAGEMENT. THIS STUDY WAS THE FIRST TO SHOW THAT MOTION-SENSING ACCELEROMETER TAGS DETECT WHETHER A SHARK HAS SURVIVED AND HOW IT RECOVERS FROM CAPTURE STRESS WITH MUCH GREATER CERTAINTY THAN OTHER PREVAILING TECHNOLOGIES.

[HTTPS://DOI.ORG/10.1016/J.FISHRES.2016.06.003](https://doi.org/10.1016/j.fishres.2016.06.003)

CORAL RESTORATION PROJECT LAUNCHES IN KEY WEST

IN JUNE, MOTE LAUNCHED A CORAL RESTORATION PROJECT AT FORT ZACHARY TAYLOR HISTORIC STATE PARK WITH PARTNERS FROM FLORIDA STATE PARKS AND THE NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION'S (NOAA'S) FLORIDA KEYS NATIONAL MARINE SANCTUARY, WITH FUNDING SUPPORT FROM THE MONROE COUNTY TOURIST DEVELOPMENT COUNCIL. THE PARTNERS PLANTED 5,500 FRAGMENTS OF BRAIN, MOUNTAINOUS STAR AND GREAT STAR CORALS DURING SUMMER 2016 IN PARK WATERS.

TWO SPOTTED EAGLE RAYS TAGGED AND RELEASED FOR GULF OF MEXICO PROJECT IN 2016, MOTE SCIENTISTS PLACED ACOUSTIC TAGS ON 15 SPOTTED EAGLE RAYS IN SARASOTA, FLORIDA. A MAJORITY WERE DETECTED MULTIPLE TIMES AT NEW PASS AND/OR BIG PASS IN SARASOTA. THIS INDICATES THAT THESE LARGE RAYS HAVE A CERTAIN DEGREE OF RESIDENCY IN SARASOTA BAY. ALL OF THEM APPEARED TO HAVE LEFT IN THE LATER PART OF THE YEAR, SINCE A FLORIDA RED TIDE BLOOM BEGAN IN SEPTEMBER. SEVERAL OTHER SPECIES OF SMALLER, LESS MOBILE SHARKS AND RAYS SUCCUMBED TO THE RED TIDE, WHICH HAS CAUSED FISH KILLS THIS YEAR ALONG SOUTHWEST FLORIDA.

SCIENTISTS AND TEENS RESTORE CORALS IN THE FLORIDA KEYS

IN JULY 2016, TEEN MEMBERS OF SCUBANAUTS INTERNATIONAL JOINED MOTE SCIENTISTS TO PLANT 500 CORALS IN A RESTORATION AREA THAT MOTE HAS

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DEVELOPED WITHIN NOAA'S FLORIDA KEYS NATIONAL MARINE SANCTUARY.

RECORD SEA TURTLE NESTING DOCUMENTED

DURING JULY 2016 - MIDWAY THROUGH SEA TURTLE NESTING SEASON - MOTE SCIENTISTS ANNOUNCED A RECORD-BREAKING NUMBER OF NESTS ALONG MOTE-MONITORED BEACHES FROM LONGBOAT KEY THROUGH VENICE IN SARASOTA COUNTY. NESTING SEASON RUNS FROM MAY 1-OCT. 31 IN SOUTHWEST FLORIDA. BY THE TIME THIS YEAR'S NESTING SEASON CONCLUDED, THE FINALIZED COUNT HAD REACHED 4,588 NESTS - BREAKING THE 35-YEAR RECORD FOR MOTE-MONITORED BEACHES. MOTE'S SEA TURTLE CONSERVATION AND RESEARCH PROGRAM HAS COORDINATED CONSERVATION OF SEA TURTLES FOR 35 YEARS ON LONGBOAT KEY THROUGH VENICE.

THIRD SARASOTA LIONFISH DERBY

DIVERS REMOVED 429 INVASIVE LIONFISH FROM THE GULF OF MEXICO DURING THE THIRD ANNUAL SARASOTA LIONFISH DERBY, WHICH CULMINATED ON JULY 10, 2016, AT MOTE IN SARASOTA. MOTE TEAMED UP WITH REEF ENVIRONMENTAL EDUCATION FOUNDATION AND ZOOKEEPER TO HOLD THE EVENT FOR A SECOND YEAR. LOCAL CHEFS FROM INDIGENOUS RESTAURANT, MATTISON'S RESTAURANTS & CATERING, SEAFOOD SHACK AND BEACH HOUSE PREPARED TASTY LIONFISH DISHES THAT LIKELY SUPPORTED THE EXCELLENT ATTENDANCE - 300 VISITORS, UP FROM 60 AT THE 2015 DERBY.

MOTE AND UNIVERSITY OF GUAM FORGE PARTNERSHIP FOR OCEAN RESEARCH ON AUG. 3, 2016, MOTE MARINE LABORATORY AND THE UNIVERSITY OF GUAM (UOG) MARINE LABORATORY FORGED A NEW PARTNERSHIP TO BENEFIT SCIENTISTS, STUDENTS AND FACULTY WHILE ENHANCING COLLABORATION IN MARINE RESEARCH AND SCIENCE EDUCATION.

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UNDER THE NEW MEMORANDUM OF UNDERSTANDING, MOTE AND UOG WILL EXPLORE EXCITING OPPORTUNITIES TO PARTNER IN TEACHING, INTRODUCE MORE UNDERGRADUATE STUDENTS TO THE CUTTING-EDGE CORAL REEF SCIENCE AT MOTE'S RESEARCH FACILITY ON SUMMERLAND KEY AND SHARE RESEARCH AND EDUCATION FACILITIES AND INFRASTRUCTURE.

HIGH SCHOOLERS FROM U.S. VIRGIN ISLANDS HELP MOTE SCIENTISTS STUDY CORALS

HIGH SCHOOLERS FROM THE U.S. VIRGIN ISLANDS HELPED CONDUCT CORAL REEF RESEARCH FROM AUG. 12-18, 2016, IN THE FLORIDA KEYS, MENTORED BY A MOTE SCIENTIST WHO RECEIVED A NATIONAL SCIENCE FOUNDATION (NSF) GRANT TO STUDY THE VARIABILITY IN RESILIENCE OF CORALS AFFECTED BY ENVIRONMENTAL CHANGE.

SIX STUDENTS FROM ST. CROIX AND ONE FROM THE FLORIDA KEYS COLLECTED CORAL-RELATED DATA AND EXPLORED KEYS ECOSYSTEMS WITH MOTE STAFF SCIENTIST DR. ERINN MULLER, WHO RECEIVED A FIVE-YEAR NSF GRANT IN 2015 TO STUDY THREATENED STAGHORN CORAL. THIS GRANT IS FROM NSF'S FACULTY EARLY CAREER DEVELOPMENT (CAREER) PROGRAM, WHICH OFFERS PRESTIGIOUS AWARDS TO EXEMPLARY TEACHER-SCHOLARS THROUGH THE INTEGRATION OF EXCELLENT EDUCATION AND OUTSTANDING RESEARCH.

INITIATIVE TO RESTORE ONE MILLION CORALS LAUNCHES IN THE CARIBBEAN AND FLORIDA KEYS

ON SEPT. 12, 2016, MOTE MARINE LABORATORY AND THE NATURE CONSERVANCY LAUNCHED A CORAL CONSERVATION INITIATIVE THAT WILL ENABLE CORAL RESTORATION AT UNPRECEDENTED SCALES THROUGHOUT THE CARIBBEAN AND THE

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FLORIDA KEYS. THE COLLABORATION OFFICIALLY BEGAN WITH THE SIGNING OF A ONE-YEAR MEMORANDUM OF UNDERSTANDING (MOU), ENABLING THE FIRST STEPS IN A PROPOSED 15-YEAR INITIATIVE OF JOINT CORAL REEF RESTORATION AND CONSERVATION EFFORTS. THE GOALS OF THE INITIATIVE ARE TO RESTORE MORE THAN ONE MILLION CORALS ACROSS THE REGION'S REEFS, SHARE SCIENCE-BASED CORAL RESTORATION AND CONSERVATION PRACTICES AMONG U.S. AND INTERNATIONAL CARIBBEAN PARTNERS, AND CONSTRUCT NECESSARY FACILITIES SUCH AS CORAL GENE BANKS, WHICH PRESERVE GENETICALLY DIVERSE CORAL TISSUE AND HELP RESEARCHERS FIND STRAINS RESILIENT TO ENVIRONMENTAL CHANGE. THE SEPT. 12 MOU OFFICIALLY LAUNCHED ONE YEAR OF PLANNING AND PREPARATION, WHICH WILL INCLUDE GROWING 50,000 CORAL FRAGMENTS.

SEAGRASS PROTECTION GOALS CLEARER THANKS TO CHARLOTTE HARBOR STUDY  
SEAGRASS BEDS - VITAL HABITAT FOR FLORIDA WILDLIFE - MAY DECLINE IF  
POOR WATER CLARITY OBSCURES THEIR SUNLIGHT. IN 2016, RESOURCE MANAGERS  
IN CHARLOTTE HARBOR HAD NEW TOOLS TO KEEP WATER CLARITY ON TARGET,  
THANKS TO A STUDY BY MOTE MARINE LABORATORY AND JANICKI ENVIRONMENTAL,  
INC. THE PEER-REVIEWED STUDY WAS FUNDED BY THE CHARLOTTE HARBOR  
NATIONAL ESTUARY PROGRAM (CHNEP) AND PUBLISHED IN THE SUMMER 2016  
VOLUME OF FLORIDA SCIENTIST. THE STUDY PROVIDES NEW MATHEMATICAL  
MODELING TOOLS THAT ARE HELPING CHNEP AND PARTNERS PRODUCE A CONCISE  
AND EASY-TO-UNDERSTAND WATER CLARITY REPORT CARD FOR RESOURCE MANAGERS,  
SCIENTISTS AND MEMBERS OF THE PUBLIC WHO AIM TO SAFEGUARD CHARLOTTE  
HARBOR'S GREEN JEWEL: MORE THAN 62,000 ACRES OF SEAGRASS HABITAT.

DOLPHIN AND WHALE RESCUERS RECEIVE FEDERAL GRANT  
IN SEPTEMBER 2016, MOTE ANNOUNCED THAT IT HAD RECEIVED \$96,929 FROM  
NOAA'S JOHN H. PRESCOTT MARINE MAMMAL RESCUE ASSISTANCE GRANT PROGRAM

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TO ENHANCE THE LAB'S VITAL CONTRIBUTIONS TO THE NATIONAL MARINE MAMMAL STRANDING NETWORK.

MOTE'S STRANDING INVESTIGATIONS PROGRAM RESPONDS 24/7 TO REPORTS OF SICK, INJURED AND DEAD MARINE MAMMALS AND SEA TURTLES IN SARASOTA AND MANATEE COUNTIES IN FLORIDA. MOTE'S DOLPHIN & WHALE HOSPITAL AND SEA TURTLE REHABILITATION HOSPITAL PROVIDE EXCELLENT CARE TO THESE PROTECTED SPECIES, ALWAYS WITH THE GOAL OF RETURNING THEM TO THE WILD. TOGETHER, THESE PROGRAMS HAVE RESPONDED TO MORE THAN 1,400 SEA TURTLE STRANDINGS AND MORE THAN 680 DOLPHIN AND WHALE STRANDINGS OF 25 SPECIES. SINCE 2010, MOTE HAS RECEIVED AN AVERAGE OF 495 CALLS PER YEAR AND RESPONDED TO AND RECOVERED A TOTAL OF 620 STRANDED SEA TURTLES, 67 DOLPHINS OR WHALES, AND THREE MASS-STRANDINGS OF DOLPHINS, WHILE ALSO ASSISTING IN THE RESPONSE TO 195 MANATEES.

MULTIPLE RED TIDE PROJECTS PROGRESSED IN 2016 WITH A SIGNIFICANT BLOOM OF FLORIDA RED TIDE ALGAE, K. BREVIS, ALONG SOUTHWEST FLORIDA STARTING IN SEPTEMBER 2016, MOTE SCIENTISTS WORKED DILIGENTLY TO ADVANCE NUMEROUS RED TIDE-RELATED RESEARCH PROJECTS.

MOTE'S BEACH CONDITIONS REPORTING SYSTEM ([WWW.VISITBEACHES.ORG](http://WWW.VISITBEACHES.ORG)) PROVIDES REAL-TIME UPDATES ON FLORIDA RED TIDE IMPACTS - RESPIRATORY IRRITATION FROM RED TIDE AND DEAD FISH - AND OTHER CONDITIONS AT 31 GULF-COAST BEACHES. THE REPORT EXPANDED ITS COVERAGE IN NOVEMBER 2016, AND MOTE SCIENTISTS WORKED TO CREATE A NEW APP EXPECTED I 2017: A CITIZEN-SCIENCE APP THAT WILL ALLOW ANY IPHONE OR ANDROID USER TO CONTRIBUTE THEIR BEACH OBSERVATIONS, HELPING MORE PEOPLE FIND THE BEST BEACH ON A GIVEN DAY.



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MOTE'S OCEAN TECHNOLOGY RESEARCH PROGRAM WORKED TOWARD DEVELOPMENT OF A NEW TOOL TO DETECT RED TIDE TOXINS, WHICH CAN KILL FISH AND CAUSE RESPIRATORY IRRITATION IN PEOPLE. THIS TEST, CALLED HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY, IS ALREADY USED WITH RED TIDE TOXINS IN LABS, AND MOTE SCIENTISTS ULTIMATELY AIM TO EQUIP IT FOR DEPLOYMENT AT SEA - WHERE IT COULD ENHANCE REAL-TIME, PUBLIC INFORMATION ON THE TOXICITY OF BLOOMS.

ONGOING RESEARCH BY MOTE'S ECOTOXICOLOGY PROGRAM SUGGESTS THAT WHELKS - SHELLFISH SOME PEOPLE HARVEST RECREATIONALLY - MAY ACCUMULATE RED TIDE TOXINS FROM THEIR PREY AND RETAIN THEM FOR MONTHS. IN FUTURE WORK, MOTE WILL FOCUS ON SUNRAY VENUS CLAMS, ANOTHER FLORIDA SHELLFISH OF EMERGING COMMERCIAL INTEREST.

WATER SAMPLES FROM MOTE AND OTHERS CONTRIBUTE TO WEEKLY, STATEWIDE RED TIDE REPORTS FROM THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION AT [WWW.MYFWC.COM/REDTIDESTATUS](http://WWW.MYFWC.COM/REDTIDESTATUS). IN MAY 2016, RESEARCHERS FROM MULTIPLE INSTITUTIONS ANNOUNCED THEIR EFFORT TO FINE-TUNE RED TIDE FORECASTING, WHICH WILL ULTIMATELY INVOLVE A SPECIAL MICROSCOPE SETUP AND A NEW SMARTPHONE APP TO IDENTIFY K. BREVIS IN VIDEOS OF WATER SAMPLES COLLECTED RIGHT ON THE BEACH.

SIX GREAT WHITE SHARKS TAGGED OFF NANTUCKET RESEARCH AND COLLABORATING SCIENTISTS - INCLUDING MOTE MARINE LABORATORY 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

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ATLANTIC WHITE SHARK POPULATION. TWO OF THE TAGGED SHARKS ARE MALES -  
THE FIRST 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.

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 2016 - INVESTIGATING MULTIPLE REEF  
SPECIES IN DETAIL TO SUPPORT CONSERVATION.

EXPEDITION PARTNERS FROM MOTE MARINE LABORATORY IN FLORIDA AND KING  
ABDULAZIZ UNIVERSITY (KAU) IN JEDDAH, SAUDI ARABIA, FOCUSED 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.

INVESTIGATING A DEEP, BLUE OASIS

MOTE SCIENTISTS JIM CULTER AND DR. EMILY HALL ADVANCED THEIR RESEARCH  
ON BLUE HOLES - UNDERSEA CAVERNS, SPRINGS OR SINKHOLES - THROUGH A  
SERIES OF DIVES. THEY WANT TO LEARN WHETHER BLUE HOLES, WHICH NATURALLY  
CONTAIN MORE ACIDIC WATER THAN THE OPEN OCEAN, CAN SERVE AS "NATURAL  
LABORATORIES" TO STUDY A HUMAN-CAUSED ENVIRONMENTAL CHALLENGE, OCEAN

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ACIDIFICATION (OA).

GULF FISH AND WILDLIFE PATHWAYS REVEALED IN NEW REPORT

IN NOVEMBER 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 MULTIPLE INSTITUTIONS CONTRIBUTED DATA AND RESOURCES, INCLUDING MOTE MARINE LABORATORY RESEARCHERS WHO HAVE FITTED WHALE SHARKS - EARTH'S LARGEST FISH - WITH SATELLITE-LINKED TAGS TO TRACK THEIR MIGRATIONS. READ THE NATURE CONSERVANCY'S REPORT.

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, FLORIDA, 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 IS BEING PLANNED AT MOTE IN SARASOTA.

MOTE SCIENTIST AWARDED GRANT TO STUDY HOW IRON INFLUENCES HARMFUL ALGAL BLOOMS

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DR. JORDON BECKLER, MANAGER OF MOTE'S OCEAN TECHNOLOGY RESEARCH PROGRAM, IS STUDYING HOW IRON MAY AFFECT HARMFUL ALGAL BLOOMS (HABS) IN THE GULF OF MEXICO, THANKS TO A \$76,000, TWO-YEAR EARLY-CAREER RESEARCH FELLOWSHIP AWARDED BY THE GULF RESEARCH PROGRAM OF THE NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE.

BECKLER AIMS TO STUDY HOW IRON MAY ENTER THE MARINE ENVIRONMENT AND INCREASE THE GROWTH OF HABS, LIKE K. BREVIS RED TIDE, TO HELP UNDERSTAND WHY BLOOMS FORM AND PERSIST.

#### SNOOK RELEASED FOR FISHERIES STUDY

IN 2016, MOTE SCIENTISTS TAGGED AND RELEASED ABOUT 3,256 JUVENILE COMMON SNOOK BORN AND RAISED AT MOTE AQUACULTURE RESEARCH PARK (MAP) INTO THE WILD IN SOUTHWEST FLORIDA. THEY ARE STUDYING AND TESTING HABITAT-USE PATTERNS OF TAGGED JUVENILE SNOOK WITH THE USE OF SOLAR-POWERED ANTENNA ARRAYS, WHICH COULD HELP SUSTAIN SNOOK POPULATIONS IN THE FUTURE.

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 100 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

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CUTTING-EDGE RESEARCH FINDINGS. LOCATED ON MOTE'S MAIN CAMPUS IN 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 2016, 286,177 GUESTS VISITED THE AQUARIUM WITH MOTE'S MOBILE PUBLIC PROGRAMS AND TRAVELING EXHIBITS REACHING 18,149 PEOPLE. VISITORS OF THE AQUARIUM CAN SEE SHARKS, MANATEES, SEA TURTLES, RIVER OTTERS, SEAHORSES, RAYS, SKATES AND INVERTEBRATES. MOTE AQUARIUM ALSO INCLUDES WINDOWS INTO MOTE'S WORKING LABORATORIES.

IN 2016, MOTE INTRODUCED ITS NEWEST SPECIAL EXHIBIT "OTTERS & THEIR WATERS." THE 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.

THE EXHIBIT IS LOCATED AT MOTE'S ANN AND ALFRED GOLDSTEIN MARINE MAMMAL

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RESEARCH AND REHABILITATION CENTER.

IN 2016, MOTE AQUARIUM ALSO DEBUTED ITS NEW EXHIBIT FLORIDA'S CORAL REEFS, WHICH OPENED TO THE PUBLIC SATURDAY, AUG. 13, 2016.

GUESTS ARE ABLE TO OBSERVE 15 DIFFERENT SPECIES OF CORALS FOUND ON FLORIDA REEFS AND MANY SPECIES OF FISH AND OTHER COLORFUL CREATURES: A SNAPSHOT OF THE DRAMATIC BEAUTY OF FLORIDA KEYS REEFS. ENJOY THE FASCINATING FEATURES, AND LEARN HOW CORAL REEFS ARE DOING IN THE WILD, AND HOW MOTE SCIENTISTS ARE WORKING ON RESTORATION PROJECTS THAT AIM TO HELP BRING THEM BACK FROM THE BRINK.

CORAL REEF RESTORATION IS A PRIORITY OF MOTE'S WORLD-CLASS RESEARCH FOCUSED ON THE CONSERVATION AND SUSTAINABLE USE OF OUR OCEAN'S NATURAL RESOURCES. TODAY, CORALS ARE FACING THREATENING CHALLENGES INCLUDING WIDESPREAD AND DIVERSE CORAL DISEASE, INCREASING OCEAN TEMPERATURE, OCEAN ACIDIFICATION AND CORAL BLEACHING. THIS EXHIBIT AIMS TO TEACH VISITORS ABOUT THESE THREATS AND WHAT MOTE SCIENTISTS ARE DOING TO LEARN MORE ABOUT THEM.

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

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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 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.

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MOTE HAS BEEN REHABILITATING SICK AND INJURED SEA TURTLES SINCE 1995.

WE HAVE TREATED MORE THAN 565 SEA TURTLE PATIENTS AND RELEASED

APPROXIMATELY 301 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

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



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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 OPPORTUNITY TO UNDERTAKE SCIENTIFIC STUDIES UNDER THE DIRECT MENTORSHIP OF A PH.D.-LEVEL RESEARCHER. IN 2016, MOTE CELEBRATED ITS THIRTEENTH 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 43,765 STUDENTS IN 2016. THE LAB'S MOBILE PUBLIC PROGRAMS AND TRAVELING EXHIBITS REACHED AN ADDITIONAL 18,149 PEOPLE WITH PUBLIC PROGRAMS REACHING 3,069 PEOPLE.

DURING THE 2016-2017 SCHOOL YEAR, MOTE TEAMED UP WITH THREE SARASOTA-MANATEE UNIVERSITIES TO OFFER 16 LOCAL UNIVERSITY STUDENTS AN INTENSIVE MARINE SCIENCE INTERNSHIP EXPERIENCE. THE MOTE REU-USFSM PROGRAM GREW FROM THE ONGOING EDUCATIONAL PARTNERSHIP BETWEEN MOTE AND

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UNIVERSITY OF SOUTH FLORIDA SARASOTA-MANATEE (USFSM).

THE PROGRAM PROVIDES PAID RESEARCH-TRAINING EXPERIENCES TO UNDERGRADUATE STUDENTS WHO ARE ENROLLED IN USFSM COURSES. FUNDING SUPPORT FOR ALL REU-USFSM INTERNS IS PROVIDED BY THE STATE OF FLORIDA WITH THE GOAL OF ADVANCING STEM EDUCATION.

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 2016, NINE STUDENTS WERE GIVEN THE OPPORTUNITY TO STUDY MARINE SCIENCE AT MOTE THANKS TO THE GENEROSITY OF KEITH AND LINDA MONDA. FOUR OF THE STUDENTS WERE PART OF MOTE'S REU PROGRAM AND FIVE 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 (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 APRIL 2016, MOTE MARINE LABORATORY'S DIGITAL LEARNING PROGRAM, SEATREK.TV INTERACTIVE, EARNED THE HIGHEST AWARD IN EDUCATIONAL, INTERACTIVE VIDEOCONFERENCING, THE PINNACLE AWARD, FOR THE 2015-2016

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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 2016, MOTE'S DIGITAL LEARNING PROGRAMS REACHED 4,478 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 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, 5,768 STUDENTS FROM VARIOUS ORGANIZATIONS INCLUDING AMI KIDS; BOOKER HIGH SCHOOL; BOYS & GIRLS CLUB SARASOTA; EASTER SEALS; GIRLS, INC.; HARVEST HOUSE; JUST FOR GIRLS; LAUREL AFTER SCHOOL PROGRAM; PACE; RL TAYLOR COMMUNITY COMPLEX; SALVATION ARMY; TRIAD ALTERNATIVE SCHOOL; Y-DASH MANATEE PROGRAM; AND

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YMCA SARASOTA PROGRAMS 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 973 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. IN 2016, 1,179 VOLUNTEERS CONTRIBUTED MORE THAN 92,329 SERVICE HOURS TO MOTE.

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

PROTECT OUR REEFS

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.

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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 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 RESEARCH.

IN 2016, THE PROTECT OUR REEFS LICENSE PLATE SALES RAISED \$\$359,925 FOR GRANTS FOCUSED ON CORAL REEF RESEARCH, RESTORATION, EDUCATION AND CONSERVATION. THESE EFFORTS ARE HELPING SOCIETY GAIN A MORE COMPREHENSIVE PICTURE OF WHY CORALS ARE IN DECLINE AND THE FACTORS THAT KEEP CORALS HEALTHY. THE OUTREACH PROGRAMS HELP FLORIDA RESIDENTS AND TOURISTS BETTER UNDERSTAND CORAL REEF ECOSYSTEMS AND HOW HUMAN ACTIVITY AFFECTS THEM AND HOW THEY CAN PROACTIVELY ASSIST IN PROTECTING AND RESTORING CORAL REEFS.

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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.

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, AND OTHER CHARACTERISTICS OF SALTWATER SPECIES, SUCH AS COMMON SNOOK, POMPAÑO, RED DRUM AND ALMACO JACK FOR RESTOCKING PROGRAMS AND FOR SUSTAINABLE SEAFOOD PRODUCTION.

MOTE SCIENTISTS ARE ALSO STUDYING OIL-SPILL IMPACTS ON FISH HEALTH 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

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RESEARCH PROGRAM, COLLABORATES WITH MOTE SENIOR SCIENTIST DR. DANA WETZEL, TOXICOLOGY TASK LEAD IN THE DEEPWATER HORIZON RESEARCH CONSORTIUM CIMAGE, ON THESE IMPORTANT STUDIES.

## 2016 HIGHLIGHTS:

MOTE SENIOR SCIENTIST DR. KEVAN MAIN WAS HONORED BY THE WHITE HOUSE AS A CHAMPION OF CHANGE FOR SUSTAINABLE SEAFOOD. SHE ALSO RECEIVED THE FELLOW OF THE WORLD AQUACULTURE SOCIETY AWARD FOR HER OUTSTANDING ACHIEVEMENTS IN AQUACULTURE RESEARCH.

MOTE SCIENTISTS AND UNIVERSITY OF SOUTH FLORIDA PARTNERS CONTINUED THEIR EFFORTS IN THE DEVELOPMENT AND DEMONSTRATION OF MARINE AQUAPONICS - RAISING SALTWATER RED DRUM TOGETHER WITH SEA VEGETABLES, IN A SYSTEM THAT USES FISH WASTEWATER TO FERTILIZE THE PLANTS. PROJECT PARTNERS PUBLISHED THE PEER-REVIEWED ARTICLE "EFFECT OF SUPPORT MEDIUM, HYDRAULIC LOADING RATE AND PLANT DENSITY ON WATER QUALITY AND GROWTH OF HALOPHYTES IN MARINE AQUAPONIC SYSTEMS" IN THE SCIENTIFIC JOURNAL AQUACULTURE RESEARCH.

MOTE'S 2016 RESEARCH DEMONSTRATED THAT EXCESS MULLET FROM THE LOCAL CORTEZ COMMERCIAL FISHERY COULD BE USED TO PRODUCE A HEALTHY COMMERCIAL DIET FOR A FARMED, FRESHWATER FISH - A MAJOR FIRST STEP TOWARD NEW INCOME OPPORTUNITIES FOR WEST FLORIDA'S HERITAGE MULLET FISHERIES AND AN IMPORTANT LINE OF RESEARCH THE LAB PLANS TO CONTINUE WITH MARINE FISH.

IN 2016, MOTE SCIENTISTS TAGGED AND RELEASED ABOUT 3,256 JUVENILE

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COMMON SNOOK BORN AND RAISED AT MOTE AQUACULTURE RESEARCH PARK INTO THE WILD IN SOUTHWEST FLORIDA. THEY ARE STUDYING AND TESTING HABITAT-USE PATTERNS OF TAGGED JUVENILE SNOOK WITH THE USE OF SOLAR-POWERED ANTENNA ARRAYS. RESULTS COULD SUPPORT SNOOK POPULATION MANAGEMENT AND CONSERVATION IN THE FUTURE.

OIL EXPOSURE STUDIES IN THE WAKE OF DEEPWATER HORIZON:

LAB WORK WAS COMPLETED FOR A STUDY INVOLVING INJECTING OIL INTO THE PERITONEUM (BODY CAVITY) OF RED DRUM, POMPANO AND SOUTHERN FLOUNDER, AND SCIENTISTS HAVE BEEN ASSESSING THE RESULTING 381 BLOOD AND TISSUE SAMPLES FOR MANY POTENTIAL EFFECTS. RESEARCH TRIALS WERE ALSO COMPLETED FOR A STUDY ON HOW RED DRUM (REDFISH) ACCUMULATE AND ULTIMATELY ELIMINATE WATER-ASSOCIATED OIL COMPOUNDS IN THEIR BODIES, WITH 1,834 BLOOD AND TISSUE SAMPLES COLLECTED. ANOTHER 54 SAMPLES WERE COLLECTED FROM POMPANO EXPOSED THROUGH WATER. REPRODUCTIVE PARAMETERS WERE EXAMINED IN POMPANO FOLLOWING AQUEOUS EXPOSURE TO CRUDE OIL. SPAWNING LAB WORK WAS COMPLETED, WITH 2,200 SAMPLES INCLUDING TISSUE, EGGS AND LARVAE COLLECTED TO STUDY HOW OIL EXPOSURE AFFECTS REPRODUCTION OF PARENT FISH AND SURVIVAL OF THEIR YOUNG. 980 BLOOD AND TISSUE SAMPLES WERE COLLECTED TO ASSESS THE EFFECTS OF OIL-CONTAMINATED FOOD ON RED DRUM.

MEMBERSHIP

IN 2016, MOTE MARINE LABORATORY AND AQUARIUM WAS FORTUNATE TO CONTINUE STRENGTHENING OUR 7,431 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.



Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

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 \$ 1,740,724. INCL GRANTS OF \$ 114,455. REVENUE \$ 1,935,568.

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 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.

Name of the organization

MOTE MARINE LABORATORY, INC.

Employer identification number

59-0756643

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:

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.	705,605.
LOSS ON SALE OF SUBSIDIARY	-1,300,000.
TOTAL TO FORM 990, PART XI, LINE 9	-594,395.

FORM 990, PART XII, LINE 2C AUDIT REVIEW PROCESS

THERE HAS BEEN NO CHANGE IN THE AUDIT REVIEW PROCESS FROM THE PRIOR YEAR.

**Related Organizations and Unrelated Partnerships**

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37.  
▶ Attach to Form 990.

▶ Information about Schedule R (Form 990) and its instructions is at [www.irs.gov/forms990](http://www.irs.gov/forms990).

Name of the organization

**MOTE MARINE LABORATORY, INC.**

Employer identification number  
**59-0756643**

**Part I Identification of Disregarded Entities.** Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity

**Part II Identification of Related Tax-Exempt Organizations.** Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity?	
						Yes	No
MOTE MARINE FOUNDATION, INC. - 59-2226800 1600 KEN THOMPSON PARKWAY SARASOTA, FL 34236	PROVIDES FUNDS TO SUPPORT MOTE MARINE LABORATORY	FLORIDA	501(C)(3)	LINE 12A, I			X

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

Schedule R (Form 990) 2016

Part III Identification of Related Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a partnership during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproportionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?	(k) Percentage ownership
							Yes	No			

Part IV Identification of Related Organizations Taxable as a Corporation or Trust. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership	(i) Section 512(b)(13) controlled entity?	
								Yes	No

**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.

	Yes	No
<b>1</b> 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?		
<b>a</b> Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity		<input checked="" type="checkbox"/>
<b>b</b> Gift, grant, or capital contribution to related organization(s)		<input checked="" type="checkbox"/>
<b>c</b> Gift, grant, or capital contribution from related organization(s)	<input checked="" type="checkbox"/>	
<b>d</b> Loans or loan guarantees to or for related organization(s)	<input checked="" type="checkbox"/>	
<b>e</b> Loans or loan guarantees by related organization(s)	<input checked="" type="checkbox"/>	
<b>f</b> Dividends from related organization(s)		<input checked="" type="checkbox"/>
<b>g</b> Sale of assets to related organization(s)		<input checked="" type="checkbox"/>
<b>h</b> Purchase of assets from related organization(s)		<input checked="" type="checkbox"/>
<b>i</b> Exchange of assets with related organization(s)		<input checked="" type="checkbox"/>
<b>j</b> Lease of facilities, equipment, or other assets to related organization(s)		<input checked="" type="checkbox"/>
<b>k</b> Lease of facilities, equipment, or other assets from related organization(s)		<input checked="" type="checkbox"/>
<b>l</b> Performance of services or membership or fundraising solicitations for related organization(s)	<input checked="" type="checkbox"/>	
<b>m</b> Performance of services or membership or fundraising solicitations by related organization(s)	<input checked="" type="checkbox"/>	
<b>n</b> Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)	<input checked="" type="checkbox"/>	
<b>o</b> Sharing of paid employees with related organization(s)	<input checked="" type="checkbox"/>	
<b>p</b> Reimbursement paid to related organization(s) for expenses		<input checked="" type="checkbox"/>
<b>q</b> Reimbursement paid by related organization(s) for expenses	<input checked="" type="checkbox"/>	
<b>r</b> Other transfer of cash or property to related organization(s)		<input checked="" type="checkbox"/>
<b>s</b> Other transfer of cash or property from related organization(s)	<input checked="" type="checkbox"/>	

**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)				

Part VI Unrelated Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships.

(a) Name, address, and EIN of entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(e) Are all partners sec. 501(c)(3) orgs.?		(f) Share of total income	(g) Share of end-of-year assets	(h) Dispropor- tionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
				Yes	No			Yes	No		Yes	No	

**Part VII** Supplemental Information.

Provide additional information for responses to questions on Schedule R. See instructions.

Lined area for supplemental information.

**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  <b>MOTE MARINE LABORATORY, INC.</b>	Identifying number  <b>59-0756643</b>
Name of policyholder, if different from above	Identifying number, if different from above

Type of business  
**NONPROFIT**

<b>1</b> Enter the number of employees the policyholder had at the end of the tax year .....	<b>1</b>	<b>217.</b>
<b>2</b> 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 Section 1035 exchanges for an exception .....	<b>2</b>	<b>1.</b>
<b>3</b> 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 .....	<b>3</b>	<b>25,000.</b>
<b>4a</b> 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>b</b> If "No," enter the number of employees included on line 2 for whom the policyholder does not have a valid consent .....	<b>4b</b>	



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

OMB No. 1545-1709

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](http://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](http://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.

Type or print	Name of exempt organization or other filer, see instructions.	Enter filer's identifying number	
		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.	Social security number (SSN)	
	1600 KEN THOMPSON PARKWAY		
	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, 2017**, 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 **JAN 1, 2016**, and ending **SEP 30, 2016**

**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

<b>3a</b> 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>b</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.
<b>c</b> 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.

LHA For Privacy Act and Paperwork Reduction Act Notice, see instructions.

Form 8868 (Rev. 1-2017)