

**Bermuda Institute of
Ocean Sciences (BIOS), Inc.**

Financial Statements and
Uniform Guidance Schedules
Together With Independent Auditors' Report

December 31, 2015 and 2014

Bermuda Institute of Ocean Sciences (BIOS), Inc.

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Independent Auditors' Report

Board of Trustees
Bermuda Institute of Ocean Sciences (BIOS), Inc.

Report on the Financial Statements

We have audited the accompanying financial statements of Bermuda Institute of Ocean Sciences (BIOS), Inc., which comprise the statements of financial position as of December 31, 2015 and 2014, and the related statements of activities and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Bermuda Institute of Ocean Sciences (BIOS), Inc. as of December 31, 2015 and 2014, and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Report on Supplementary Information

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying schedule of expenditures of federal awards on pages 17 and 18 is presented for purposes of additional analysis as required by Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*, and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated, in all material respects, in relation to the financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated April 18, 2016 on our consideration of BIOS's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering BIOS's internal control over financial reporting and compliance.

PKF O'Connor Davies

April 18, 2016

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Statements of Financial Position

	December 31,	
	2015	2014
ASSETS		
Cash and cash equivalents	\$ 2,446,303	\$ 2,154,317
Grants and accounts receivable	692,226	485,399
Contributions receivable, net (Note 4)	5,065,125	781,424
Inventory and prepaid expenses	33,636	65,994
Investments (Note 5)	14,182,476	14,795,413
Property and equipment, net (Note 6)	<u>16,100,305</u>	<u>16,115,453</u>
	<u>\$ 38,520,071</u>	<u>\$ 34,398,000</u>
LIABILITIES AND NET ASSETS		
Liabilities		
Accounts payable and accrued expenses	\$ 704,710	\$ 753,698
Grants and other advances	330,528	287,125
Loans payable (Note 9)	<u>5,202,427</u>	<u>5,623,428</u>
Total Liabilities	<u>6,237,665</u>	<u>6,664,251</u>
Net Assets		
Unrestricted	11,255,421	10,816,926
Temporarily restricted (Note 11)	11,272,387	7,189,889
Permanently restricted (Note 11)	<u>9,754,598</u>	<u>9,726,934</u>
Total Net Assets	<u>32,282,406</u>	<u>27,733,749</u>
	<u>\$ 38,520,071</u>	<u>\$ 34,398,000</u>

See notes to financial statements

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Statement of Activities
Year Ended December 31, 2015
(with summarized totals for the year ended December 31, 2014)

	2015			2014 Total	
	Unrestricted	Temporarily Restricted	Permanently Restricted		Total
REVENUE AND OTHER SUPPORT					
Contributions	\$ 650,109	\$ 7,653,962	\$ 27,664	\$ 8,331,734	\$ 3,779,156
Grants and contracts					
U.S. government and corporations	6,716,489	-	-	6,716,489	7,235,835
Bermuda government	344,914	-	-	344,914	354,818
Tuition, guest services and other income	2,304,919	-	-	2,304,919	1,778,797
Investment return	(45,690)	(204,539)	-	(250,230)	616,381
Net assets released from restrictions (Note 11)	3,366,925	(3,366,925)	-	-	-
Total Revenue and Other Support	<u>13,337,665</u>	<u>4,082,498</u>	<u>27,664</u>	<u>17,447,827</u>	<u>13,764,987</u>
EXPENSES					
Program Services					
Scientific research	9,134,943	-	-	9,134,943	9,739,137
Education	2,052,412	-	-	2,052,412	1,890,850
Guest and residential services	297,116	-	-	297,116	185,936
Total Program Services	<u>11,484,471</u>	<u>-</u>	<u>-</u>	<u>11,484,471</u>	<u>11,815,923</u>
Development and public relations	577,168	-	-	577,168	597,294
Management and general	837,531	-	-	837,531	422,732
Total Expenses	<u>12,899,170</u>	<u>-</u>	<u>-</u>	<u>12,899,170</u>	<u>12,835,949</u>
Change in Net Assets	438,495	4,082,498	27,664	4,548,657	929,038
NET ASSETS					
Beginning of year	<u>10,816,926</u>	<u>7,189,889</u>	<u>9,726,934</u>	<u>27,733,749</u>	<u>26,804,711</u>
End of year	<u>\$ 11,255,421</u>	<u>\$ 11,272,387</u>	<u>\$ 9,754,598</u>	<u>\$ 32,282,406</u>	<u>\$ 27,733,749</u>

See notes to financial statements

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Statement of Activities
Year Ended December 31, 2014

	2014			Total
	Unrestricted	Temporarily Restricted	Permanently Restricted	
REVENUE AND OTHER SUPPORT				
Contributions	\$ 1,489,555	\$ 2,262,732	\$ 26,869	\$ 3,779,156
Grants and contracts				
U.S. government and corporations	7,235,835	-	-	7,235,835
Bermuda government	354,818	-	-	354,818
Tuition, guest services and other income	1,778,797	-	-	1,778,797
Investment return	116,669	499,712	-	616,381
Net assets released from restrictions (Note 11)	<u>2,251,570</u>	<u>(2,251,570)</u>	-	-
Total Revenue and Other Support	<u>13,227,244</u>	<u>510,874</u>	<u>26,869</u>	<u>13,764,987</u>
EXPENSES				
Program Services				
Scientific research	9,739,137	-	-	9,739,137
Education	1,890,850	-	-	1,890,850
Guest and residential services	185,936	-	-	185,936
Total Program Services	11,815,923	-	-	11,815,923
Development and public relations	597,294	-	-	597,294
Management and general	422,732	-	-	422,732
Total Expenses	<u>12,835,949</u>	-	-	<u>12,835,949</u>
Change in Net Assets	391,295	510,874	26,869	929,038
NET ASSETS				
Beginning of year	<u>10,425,631</u>	<u>6,679,015</u>	<u>9,700,065</u>	<u>26,804,711</u>
End of year	<u>\$ 10,816,926</u>	<u>\$ 7,189,889</u>	<u>\$ 9,726,934</u>	<u>\$ 27,733,749</u>

See notes to financial statements

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Statements of Cash Flows

	2015	2014
CASH FLOWS FROM OPERATING ACTIVITIES		
Change in net assets	\$ 4,548,657	\$ 929,038
Adjustments to reconcile change in net assets to net cash from operating activities		
Net depreciation (appreciation) in fair value of investments	431,355	(1,382)
Depreciation	1,204,131	1,151,290
Gain on disposal of property and equipment	-	(20,000)
Contributions, grants and contracts classified as financing activities	(219,912)	(594,242)
Change in discount of unconditional promises to give	308,442	33,196
Changes in operating assets and liabilities (Note 12)	<u>(4,772,197)</u>	<u>(1,180,077)</u>
Net Cash from Operating Activities	<u>1,500,476</u>	<u>317,823</u>
CASH FLOWS FROM INVESTING ACTIVITIES		
Proceeds from sale of investments	6,460,952	9,186,358
Purchases of investments	(6,279,369)	(9,870,121)
Proceeds from sale of property and equipment	-	20,000
Expenditures for property and equipment	<u>(1,188,983)</u>	<u>(828,165)</u>
Net Cash from Investing Activities	<u>(1,007,400)</u>	<u>(1,491,928)</u>
CASH FLOWS FROM FINANCING ACTIVITIES		
Permanently restricted contributions	27,664	26,869
Grants and contracts used for fixed asset acquisition	192,248	567,373
New borrowings under loans and overdraft payable	-	1,300,000
Repayment of loans payable	<u>(421,001)</u>	<u>(124,768)</u>
Net Cash from Financing Activities	<u>(201,089)</u>	<u>1,769,474</u>
Net Change in Cash and Cash Equivalents	291,986	595,369
CASH AND CASH EQUIVALENTS		
Beginning of year	<u>2,154,317</u>	<u>1,558,948</u>
End of year	<u>\$ 2,446,303</u>	<u>\$ 2,154,317</u>

See notes to financial statements

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

1. Organization

Bermuda Institute of Ocean Sciences (BIOS), Inc., formerly The Bermuda Biological Station for Research, Inc., founded in 1903, was incorporated in the State of New York in 1926 as a U.S. not-for-profit research organization. BIOS is exempt from U.S. income taxes pursuant to Sections 501(c)(3) and 509(a) of the Internal Revenue Code. BIOS is also a Bermuda Registered Charity (Reg #116).

BIOS's mission is to seek and share fundamental knowledge of the oceans through state-of-the-art scientific research, world-class field expeditions, and comprehensive educational experiences.

The research conducted at BIOS is relevant to the waters surrounding Bermuda, as well as the global Earth system, and is multidisciplinary, spanning the biological, chemical, geological, and physical sciences. BIOS researchers are active partners in regional and international research collaborations that are working to address some of the most pressing issues of our time including climate change, marine conservation, ecosystem health, and natural-disaster risk assessment.

2. Summary of Significant Accounting Policies

Basis of Accounting and Use of Estimates

The financial statements are prepared in conformity with accounting principles generally accepted in the United States of America (US GAAP), which requires management to make estimates and judgments that affect the reported amounts of assets and liabilities and disclosures of contingencies at the date of the financial statements and reported amounts of revenues and expenses recognized during the reporting period. Actual results could differ from those estimates.

Financial Statement Presentation

BIOS is required to report information regarding its financial position and activities according to three classes of net assets: permanently restricted, temporarily restricted, and unrestricted. Gifts and bequests that create endowment funds to provide a permanent source of income are classified as permanently restricted net assets. Gifts with stipulations that they be used for a particular purpose or for a specified time period are classified as temporarily restricted assets until the purpose or stipulated time restriction is met. All other net assets are classified as unrestricted.

Foreign Currency

BIOS's functional currency is the U.S. dollar. There are no foreign currency transaction gains or losses from transacting in the Bermuda dollar because it is on parity with the U.S. dollar.

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

2. Summary of Significant Accounting Policies (*continued*)

Contributions

Contributions, including unconditional promises to give, are recognized as revenue in the period received or pledged. Contributions of assets other than cash are recorded at their estimated fair value and are recorded as increases in unrestricted net assets unless the donor places restrictions on their use. Contributions due after one year are reported at their discounted net present value. Amortization of the discount is recorded annually as additional contribution revenue over the anticipated collection period of the pledge.

Cash Equivalents

All highly liquid investments, with maturities of three months or less at the time of purchase are considered cash equivalents.

Allowance for Uncollectible Receivables

An allowance for uncollectible receivables is estimated based on a combination of write-off history, aging analysis and any specific known troubled accounts. Management believes all receivables are fully collectible, therefore, no allowance for doubtful accounts is recognized at year-end.

Inventory

Inventory is reported at the lower of cost or market (first in, first out) and consists of gift shop merchandise, cafeteria, laboratory and SCUBA supplies held for resale.

Fair Value Measurements

BIOS follows US GAAP guidance on *Fair Value Measurements* which defines fair value and establishes a fair value hierarchy organized into three levels based upon the input assumptions used in pricing assets. Level 1 inputs have the highest reliability and are related to assets with unadjusted quoted prices in active markets. Level 2 inputs relate to assets with other than quoted prices in active markets which may include quoted prices for similar assets or liabilities or other inputs which can be corroborated by observable market data. Level 3 inputs are unobservable and are used to the extent that observable inputs do not exist.

Investment Valuation and Income Recognition

Investments are carried at fair value. The fair value of the investment funds are reported at the net asset value as reported by management of the respective funds.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis and dividends are recorded on the ex-dividend date. Realized and unrealized gains and losses are included in the determination of the change in net assets.

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

2. Summary of Significant Accounting Policies (*continued*)

Grant support and revenue recognition

Grants at BIOS are either reimbursement of costs limited by the maximums stated in the grant or are fixed price contracts. Support under grants for reimbursement of costs is recognized in the same period and in an amount equivalent to the aggregate of the incurred underlying costs. Revenue from fixed price grants is recognized proportionately over the life of the grant.

Property and Equipment

Purchases of property and equipment are recorded at cost. Gifts or contributions of property and equipment are recognized at fair value at the time received. Property and equipment are depreciated using the straight-line method over the estimated useful lives of the assets. When items are disposed, the cost and accumulated depreciation are eliminated from the records of account, and a gain or loss is reported in current income. Repair and maintenance charges that do not increase the lives of the assets are expensed as incurred.

Accounting for Uncertainty in Income Taxes

BIOS recognizes the effect of income tax positions only when they are more likely than not to be sustained. Management has determined that BIOS had no uncertain income tax positions that require financial statement recognition or disclosure. BIOS is no longer subject to examination by the applicable taxing jurisdictions for periods prior to 2012.

Reclassification

Certain prior year amounts have been reclassified to conform with current year presentation.

Subsequent Events

Management evaluated subsequent events for disclosure and/or recognition in the financial statements through April 18, 2016, the date financial statements were available for issuance. Management noted no matters requiring recognition or additional disclosure.

3. Concentrations of Financial Risk

Financial instruments that are exposed to concentrations of financial risk consist primarily of cash, managed investment funds, donated common stock and contributions receivable. Management believes the diversification and quality of managed investment funds minimizes risk concentration regarding investments other than fluctuations in the financial markets in general. At December 31, 2015 and 2014, contributions receivable due from one donor totaled approximately \$4,799,000 and \$750,000.

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

4. Contributions Receivable

Contributions receivable at December 31 are expected to be collected as follows:

	<u>2015</u>	<u>2014</u>
Amount expected to be collected in:		
One year or less	\$ 1,559,023	\$ 308,000
Years two through five	<u>3,850,121</u>	<u>509,001</u>
	5,409,144	817,001
Less:		
Discount (5% per annum) to present value	<u>(344,019)</u>	<u>(35,577)</u>
	<u>\$ 5,065,125</u>	<u>\$ 781,424</u>

5. Investments

BIOS's investments consist of funds managed by Commonfund, The Investment Fund for Foundations' ("TIFF") Investment Program and by The Vanguard Group, Inc. Following are the investments at December 31, grouped by the fair value hierarchy for those investments measured at fair value on a recurring basis:

<u>Description</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Total</u>
2015			
Vanguard Prime Money Market Fund	\$ 253,819	\$ -	\$ 253,819
Commonfund: Global Multi-Asset Portfolio, LLC	<u>-</u>	<u>13,928,656</u>	<u>13,928,656</u>
	<u>\$ 253,819</u>	<u>\$ 13,928,656</u>	<u>\$ 14,182,476</u>
2014			
Vanguard Prime Money Market Fund	\$ 615,888	\$ -	\$ 615,888
TIFF Multi-Asset Fund	-	6,134,685	6,134,685
Commonfund: Global Multi-Asset Portfolio, LLC	<u>-</u>	<u>8,044,840</u>	<u>8,044,840</u>
	<u>\$ 615,888</u>	<u>\$ 14,179,525</u>	<u>\$ 14,795,413</u>

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

6. Property and Equipment

Property and equipment, carried at cost, is comprised of the following at December 31:

	<u>Useful Lives</u>	<u>2015</u>	<u>2014</u>
Land and improvements		\$ 486,850	\$ 486,850
Buildings and improvements	20-40 years	16,706,898	16,417,284
Furniture, fixtures and equipment	5-15 years	5,331,207	4,499,682
RV Atlantic Explorer	25 years	8,604,126	8,536,282
Other fixed assets	10-50 years	<u>758,392</u>	<u>758,392</u>
		31,887,473	30,698,490
Less accumulated depreciation		<u>(15,787,168)</u>	<u>(14,583,037)</u>
		<u>\$ 16,100,305</u>	<u>\$ 16,115,453</u>

7. Sponsored Projects

Approximately 40% and 55% of revenues in each of 2015 and 2014 are awards for sponsored projects (governments and other sources). The awards generally provide for recovery of both direct and indirect costs. The indirect costs covered by the awards are determined as a negotiated or agreed-upon percentage of direct costs with certain exclusions.

8. Pension Plan

BIOS maintains a contributory pension plan for employees ages 23 and over who have worked at least 720 hours in any calendar year. Participation in the plan is mandatory for Bermudians and spouses of Bermudians until they are 65 years old. The plan is voluntary for all other employees. Each participating employee may contribute to the plan up to a maximum of 10% of their gross salary. Mandatory participants must contribute 5% or more. BIOS matches the employee contribution up to a maximum of 5% of gross salary in accordance with the plan documents and the Bermuda Occupational Pensions Act 1998. Pension expense for the years ended December 31, 2015 and 2014 approximated \$196,000 and \$184,000.

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

9. Loans Payable

Loans payable consist of the following at December 31:

	<u>2015</u>	<u>2014</u>
HSBC, secured by a mortgage on real property, due on demand, payable in monthly installments of interest only (1.2% and 1.3% at December 31, 2013 and 2012) increasing to 1.25% and 1.5% above three-month LIBOR in 2014 and 2015.	\$ 1,530,627	\$ 1,617,526
HSBC, secured by a mortgage on real property, due October 2020, payable in monthly installments of interest only (1.2% and 1.3% at December 31, 2013 and 2012) increasing to 1.25% and 1.5% above three-month LIBOR in 2014 and 2015.	820,158	850,234
HSBC, secured by the Atlantic Explorer, payable in annual installments of \$123,606, including interest at 1.75% above three-month LIBOR (2.0% and 0.3% at December 31, 2013 and 2012).	-	123,606
Bank of NT Butterfield, for staff housing building, due February 2023, unsecured, payable in monthly installments of \$18,042 including interest at 1% above three-month LIBOR rate (1.2% and 1.3% at December 31, 2013 and 2012).	1,551,642	1,732,062
Bank of NT Butterfield, revolving loan, secured by investment portfolio, due October 2016, interest payable in monthly installments at 2.5% per annum above US LIBOR	<u>1,300,000</u>	<u>1,300,000</u>
	<u>\$ 5,202,427</u>	<u>\$ 5,623,428</u>

Aggregate maturities of loans payable approximate \$3,225,000 in 2016, \$397,000 in 2017, \$403,000 in 2018, \$408,000 in 2019, \$300,000 in 2020 and \$469,000 thereafter. Interest expense was approximately \$112,000 and \$76,000 for years ended December 31, 2015 and 2014.

A key bank official was a member of the BIOS Board of Trustees during part of 2015.

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

10. Endowment Funds

Donor-restricted funds whose purpose is to provide long-term support for BIOS and its charitable programs are endowment funds. Net assets of endowment funds are classified as permanently restricted, temporarily restricted or unrestricted which classification is determined by the directions of donors, where applicable, and the provisions of the laws of the State of New York. Absent donor stipulations to the contrary, the provisions of New York State law do not impose either a permanent or temporary restriction on the income or capital appreciation derived from the original gift.

On September 17, 2010, New York State adopted its version of the Uniform Prudent Management of Institutional Funds Act (NYPMIFA). NYPMIFA includes provisions that differ from previous law, including the elimination of the historic dollar value rule with respect to endowment spending, establishment of new standards governing the expenditure and modification of restrictions on endowment funds, and revision of the prudence standard for the management and investment of endowment funds.

Interpretation of Law

BIOS interprets NYPMIFA as requiring the preservation of the fair value of the original gift as of the date of the gift absent explicit donor stipulations to the contrary. As a result of this interpretation, BIOS classifies as permanently restricted net assets (a) the original value of gifts donated to the permanent endowment, (b) the original value of subsequent gifts donated to the permanent endowment, and (c) accumulations to the permanent endowment made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund. The remaining portion of the donor restricted endowment fund that is not classified in permanently restricted net assets is classified as temporarily restricted net assets until those amounts are appropriated for expenditure. Management has reviewed all BIOS funds and determined that net asset reclassification was not necessary.

Investment Return Objectives

BIOS has adopted investment and spending policies for the BIOS endowment fund (the Fund) with the core objective to provide a reliable source of long-term financial support. It is the desire of the trustees that the Fund achieves a balance of growth and stability and thereby, over the long run, earns a competitive rate available in the capital markets at the risk level prescribed for the Fund.

Investment Philosophy

The Fund has a long-term investment horizon and the trustees believe that asset allocation is the major determinant of investment performance. The asset allocation plan is based on a number of factors, including – projected spending needs, maintenance of sufficient liquidity to meet spending payments, and return objectives and risk tolerances. The asset allocation plan provides for diversification of assets to maximize the investment return and manage the endowment investments consistent with market conditions. Investments are made through recognized third-party providers of multimanager strategies.

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

10. Endowment Funds (continued)

Spending Policy

It is BIOS's policy to annually distribute up to 5% of a three-year moving average of the Fund's market value as of June 30 of each year. This distribution will be sanctioned by the applicable laws of the state of New York. In 2015, the full 5% was eligible for distribution to support the operations of BIOS.

Cumulative investment returns in excess of the spending rate that are not donor-restricted are board designated unrestricted endowment funds. Temporarily restricted endowment funds represent cumulative investment returns which must be spent in accordance with the donors' intent. Permanently restricted endowments must be maintained in perpetuity.

Activity Summary

The following summarizes activity in endowment funds for years ended December 31:

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
2015				
Balance at January 1, 2015	\$ 1,517,941	\$ 3,572,525	\$ 9,726,934	\$ 14,817,400
Contributions	-	-	27,664	27,664
Investment income	33,425	147,229	-	180,654
Capital depreciation	(79,618)	(351,768)	-	(431,385)
Appropriated for expenditure	<u>(127,451)</u>	<u>(556,741)</u>	-	<u>(684,192)</u>
Balance at December 31, 2015	<u>\$ 1,344,297</u>	<u>\$ 2,811,246</u>	<u>\$ 9,754,598</u>	<u>\$ 13,910,141</u>
2014				
Balance at January 1, 2014	\$ 1,524,555	\$ 3,560,722	\$ 9,700,065	\$ 14,785,342
Contributions	-	-	26,869	26,869
Investment income	113,927	500,626	-	614,553
Capital appreciation	100	(914)	-	(814)
Appropriated for expenditure	<u>(120,641)</u>	<u>(487,909)</u>	-	<u>(608,550)</u>
Balance at December 31, 2014	<u>\$ 1,517,941</u>	<u>\$ 3,572,525</u>	<u>\$ 9,726,934</u>	<u>\$ 14,817,400</u>

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

11. Restrictions on the Use of Net Assets

Temporarily Restricted Net Assets

Temporarily restricted net assets at December 31 are available for the purposes listed:

	<u>2015</u>	<u>2014</u>
Scientific research	\$ 9,463,789	\$ 4,873,244
Education	1,632,208	1,954,720
Laboratory building	176,390	211,925
Future periods and administrative	<u>-</u>	<u>150,000</u>
	<u>\$ 11,272,387</u>	<u>\$ 7,189,889</u>

Net Assets Released from Restrictions

Net assets released from restriction consist of the following for the years ended December 31:

	<u>2015</u>	<u>2014</u>
Scientific research	\$ 2,499,786	\$ 1,665,901
Education	691,057	560,980
Laboratory building	26,082	24,689
General operations	<u>150,000</u>	<u>-</u>
	<u>\$ 3,366,925</u>	<u>\$ 2,251,570</u>

Permanently Restricted Net Assets

Investment return from permanently restricted net assets is available to support the indicated activities at December 31:

	<u>2015</u>	<u>2014</u>
Scientific research	\$ 4,928,841	\$ 4,927,177
Education	3,347,786	3,321,786
Laboratory building	350,000	350,000
General operations	<u>1,127,971</u>	<u>1,127,971</u>
	<u>\$ 9,754,598</u>	<u>\$ 9,726,934</u>

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Financial Statements
December 31, 2015 and 2014

12. Statement of Cash Flows

	<u>2015</u>	<u>2014</u>
Changes in operating assets and liabilities:		
(Increase) decrease in		
Grants and accounts receivable	\$ (206,827)	\$ (267,923)
Contributions receivable	(4,592,143)	(294,401)
Inventory and prepaid expenses	32,358	(17,426)
Increase (decrease) in		
Accounts payable and accrued expenses	(48,988)	(269,420)
Grants and other advances	43,403	(330,907)
Changes in operating assets and liabilities	<u>\$ (4,772,197)</u>	<u>\$ (1,180,077)</u>
Supplemental disclosure of cash flow information:		
Cash paid during the year for interest	\$ 112,465	\$ 75,927
Noncash transactions		
Equipment and services donated to BIOS	50,420	35,000

* * * * *

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Uniform Guidance Reports and Schedules

December 31, 2015

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Schedule of Expenditures of Federal Awards
Year Ended December 31, 2015

<u>Federal Grantor/Pass-through Grantor/Program or Cluster Title</u>	<u>Federal CFDA Number</u>	<u>Grant Number</u>	<u>Pass-Through Entity Identification Number</u>	<u>Passed Through to Subrecipients</u>	<u>Total Federal Expenditures</u>
Research and Development – Cluster:					
National Science Foundation:					
Geosciences					
Direct:					
Ship Operations - R/V Atlantic Explorer	47.050	OCE-1212814	N/A	\$ -	\$ 2,587,807
Collaborative Research: Seawater Inorganic and Organic Carbon Measurements for the US GEOTRACES Eastern Pacific Zonal Transect	47.050	OCE-1233706	N/A	-	56,826
Collaborative Research: The Bermuda Atlantic Time-Series Study: Sustained Biogeochemical, Ecosystem and Ocean Change Observations and Linkages in the Subtropical North Atlantic	47.050	OCE-1258622	N/A	-	957,895
Collaborative Research: The Great Southern Coccolithophore Belt	47.050	OCE-0961414	N/A	-	87,670
Operation of a Community Marine Atmospheric Sampling Facility at Tudor Hill, Bermuda	47.050	OCE-1430741	N/A	-	119,374
Oceanographic Technical Services 2012-2016, R/V Atlantic Explorer	47.050	OCE-1216322	N/A	-	326,823
Time Series Particle Flux Measurements in the Sargasso Sea	47.050	OCE-1234294	N/A	351,442	498,825
The Panulirus Hydrographic Station - Years 59-64	47.050	OCE-1153693	N/A	-	145,985
REU Site: Fall Semester Marine Science Research in Bermuda	47.050	OCE-1262880	N/A	-	21,339
2013 Oceanographic Instrumentation: R/V Atlantic Explorer	47.050	OCE-1322378	N/A	-	9,661
Collaborative Research: Ocean Acidification: Establishing the Links between Offshore Biogeochemistry, Coral Reef Metabolism and Acidification	47.050	OCE-1416670	N/A	-	19,513
REU Site: Fall Semester Student Research in Oceanography and Marine Science at BIOS	47.050	OCE-1460686	N/A	-	132,284
Collaborative Research: Emergency Funding for Repair of the Bermuda Institute of Ocean Sciences Tudor Hill Marine Atmospheric Observatory	47.050	OCE-1536501	N/A	-	32,081
Time Series Particle Flux Measurements in the Sargasso Sea	47.050	OCE-1536644	N/A	-	11,223
2015 Shipboard Scientific Support Equipment RV Atlantic Explorer	47.050	OCE-1528282	N/A	-	18,390
2015 Oceanographic Instrumentation RV Atlantic Explorer	47.050	OCE-1527000	N/A	-	39,793
Collaborative Research: Identifying the Role of Basin-scale Climate Variability in the Decline of Atlantic Corals	47.050	OCE-1536547	N/A	-	6,845
Polar Programs					
Direct:					
Collaborative Research: Pacific-Arctic Carbon Synthesis - Transformations, Fluxes and Budgets	47.078	ARC-1107457	N/A	-	13,230
Geosciences					
Pass-through funds:					
<i>Woods Hole Oceanographic Institution (WHOI)</i>					
Ocean Acidification: Seasonal and Ontogenetic Effects of Ocean Acidification on Pteropods in the Gulf of Maine	47.050	OCE-1316040	A101245	-	37,944
Biological Sciences					
Direct:					
Flow Cytometry and Molecular Multi-User Facility at BIOS	47.074	DBI-1522206	N/A	-	29,236
Total National Science Foundation				<u>351,442</u>	<u>5,152,744</u>

See independent auditors' report and notes to schedule of expenditures of federal awards

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Schedule of Expenditures of Federal Awards
Year Ended December 31, 2015
(Continued)

<u>Federal Grantor/Pass-through Grantor/Program or Cluster Title</u>	<u>Federal CFDA Number</u>	<u>Grant Number</u>	<u>Pass-Through Entity Identification Number</u>	<u>Passed Through to Subrecipients</u>	<u>Total Federal Expenditures</u>
Research and Development – Cluster (continued):					
Department of Commerce, National Oceanic and Atmospheric Administration (NOAA)					
Pass-through funds:					
<i>The Trustees of Columbia University in the City of New York</i>					
NOAA Cooperative Institutes - Underway CO2 Measurements aboard the RVIB Palmer and Data Management of the Global VOS Program	11.432	NA08OAR4320754	Subaward No. 1 (GG001948)	-	30,381
NOAA Cooperative Institutes - Surface Water CO2 Measurements from Ships	11.432	UMS14-0014	Subaward No. 1 (GG008022)	-	188,571
<i>University Corporation for Atmospheric Research</i>					
Climate and Atmospheric Research - Synthesis of Ocean Carbon Measurements from the Russian-American Long Term Census of the Arctic (RUSALCA) Research Program	11.431	NA11OAR4310213	UCAR Subaward No. Z13-11524	-	22,170
Total National Oceanic and Atmospheric Administration, Department of Commerce				-	241,122
National Aeronautics and Space Administration					
Direct:					
NRA/Research Opportunities in Space and Earth Sciences - 2009	43.AAA	NNX10AG36G	N/A	-	30,404
Research Opportunities in Space and Earth Science (ROSES-2014)	43.001	NNX15AR99G	N/A	2,592	42,366
NRA/Research Opportunities in Space and Earth Sciences-2013	43.001	NNX16AB05G	N/A	950	152,203
Pass-through funds:					
<i>The Regents of The University of California, Santa Barbara</i>					
Science - Bermuda Bio-Optics Project: Continuation of Time-series and Retrospective Data Analysis	43.001	NNX14AM83G	KK1504	-	105,546
Total National Aeronautics and Space Administration				3,542	330,519
Department of Defense, Department of the Navy, Office of the Chief of Naval Research Direct:					
R/V Atlantic Explorer Ship Support for Casper East	12.300	N00014-15-1-2874	N/A	-	957,220
Total Department of Defense, Department of the Navy, Office of the Chief of Naval Research				-	957,220
Total Expenditures of Federal Awards				\$ 354,984	\$ 6,681,605

See independent auditors' report and notes to schedule of expenditures of federal awards

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Notes to Schedule of Expenditures of Federal Awards
Year Ended December 31, 2015

1 Basis of Presentation

The accompanying Schedule of Expenditures of Federal Awards (the "Schedule") includes the federal award activity of BIOS under programs of the federal government for the year ended December 31, 2015. The information in this schedule is presented in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations (CFR)* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Because the Schedule presents only a selected portion of the operations of BIOS, it is not intended to and does not present the financial position, changes in net assets or cash flows of BIOS.

2. Summary of Significant Accounting Policies

Expenditures reported on the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following the cost principles contained the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Pass-through entity identifying numbers are presented where available.

Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance With Government Auditing Standards

Independent Auditors' Report

**Board of Trustees
Bermuda Institute of Ocean Sciences (BIOS), Inc.**

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of Bermuda Institute of Ocean Sciences (BIOS), Inc. which comprise the statement of financial position as of December 31, 2015, and the related statements of activities and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated April 18, 2016.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered BIOS's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of BIOS's internal control. Accordingly, we do not express an opinion on the effectiveness of BIOS's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether BIOS's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

PKF O'Connor Davies

April 18, 2016

**Report on Compliance for Each Major Federal Program and Report on Internal Control
Over Compliance Required by the Uniform Guidance**

Independent Auditors' Report

Board of Trustees
Bermuda Institute of Ocean Sciences (BIOS), Inc.

Report on Compliance for Each Major Federal Program

We have audited Bermuda Institute of Ocean Sciences (BIOS), Inc.'s compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of BIOS's major federal programs for the year ended December 31, 2015. BIOS's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with the requirements of laws, regulations, contracts, and grants applicable to its federal programs.

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for each of BIOS's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* ("Uniform Guidance"). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about BIOS's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of BIOS's compliance.

Opinion on Each Major Federal Program

In our opinion, BIOS complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended December 31, 2015.

Report on Internal Control Over Compliance

Management of BIOS is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered BIOS's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of BIOS's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

PKF O'Connor Davies

April 18, 2016

Bermuda Institute of Ocean Sciences (BIOS), Inc.

Schedule of Findings and Questioned Costs
Year Ended December 31, 2015

Section I - Summary of Auditors' Results

Financial Statements

Type of auditors' report issued on whether the financial statements audited were prepared in accordance with GAAP: Unmodified

Internal control over financial reporting:

Material weakness(es) identified?	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Significant deficiency(ies) identified?	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> none reported

Noncompliance material to financial statements noted?

	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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Federal Awards

Internal control over major federal programs:

Material weakness(es) identified?	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
Significant deficiency(ies) identified?	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> none reported

Type of auditors' report issued on compliance for major federal programs: Unmodified

Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)?

	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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Identification of major program:

Bermuda Institute of Ocean Sciences (BIOS), Inc.'s major program is research and development. Accordingly, all grants listed on the schedule of expenditures of federal awards are considered a research and development major program cluster. BIOS has no other major programs.

Dollar threshold used to distinguish between Type A and Type B programs: \$750,000

Auditee qualified as low-risk auditee? yes no

Section II - Financial Statement Findings

During our audit, we noted no material findings for the year ended December 31, 2015.

Section III – Federal Award Findings and Questioned Costs

During our audit, we noted no material instances of non-compliance for the year ended December 31, 2015.

Section IV – Prior Year Audit Findings

There were no prior year audit findings.