

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A	This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B	This return/report is: ☐ the first return/report ☐ the final return/report ☒ an amended return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☐ Form 5558 ☐ automatic extension ☐ the DFVC program ☒ special extension (enter description) 3599-EM HURRICANE LEE
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶ ☐

Part II	Basic Plan Information—enter all requested information		
1a	Name of plan WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN	1b	Three-digit plan number (PN) ▶ 002
		1c	Effective date of plan 01/01/2010
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD, MS #15 WOODS HOLE, MA 02543-1535	2b	Employer Identification Number (EIN) 04-2105850
		2c	Plan Sponsor's telephone number 508-289-2253
		2d	Business code (see instructions) 541990

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	07/23/2024	KATHRYN LINK
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	07/24/2024	KATHRYN LINK
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN
		3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN
5 Total number of participants at the beginning of the plan year		5 1451
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).		
a(1) Total number of active participants at the beginning of the plan year		6a(1) 1252
a(2) Total number of active participants at the end of the plan year		6a(2) 1343
b Retired or separated participants receiving benefits		6b 2
c Other retired or separated participants entitled to future benefits.....		6c 197
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 1542
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 2
f Total. Add lines 6d and 6e		6f 1544
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 1220
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 27
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2G 2L 2M 2R 2S 2T		
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply)		9b Plan benefit arrangement (check all that apply)
(1) ☒ Insurance	(1) ☒ Insurance	
(2) ☐ Code section 412(e)(3) insurance contracts	(2) ☐ Code section 412(e)(3) insurance contracts	
(3) ☒ Trust	(3) ☒ Trust	
(4) ☐ General assets of the sponsor	(4) ☐ General assets of the sponsor	
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)		
a Pension Schedules		b General Schedules
(1) ☒ R (Retirement Plan Information)	(1) ☒ H (Financial Information)	
(2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary	(2) ☐ I (Financial Information – Small Plan)	
(3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	(3) ☒ 1 A (Insurance Information)	
	(4) ☒ C (Service Provider Information)	
	(5) ☐ D (DFE/Participating Plan Information)	
	(6) ☐ G (Financial Transaction Schedules)	

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN	B Three-digit plan number (PN) ▶ 002	
C Plan sponsor's name as shown on line 2a of Form 5500 WOODS HOLE OCEANOGRAPHIC INSTITUTION	D Employer Identification Number (EIN) 04-2105850	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier NEW YORK LIFE INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
13-5582869	66915	GA80335	1544	01/01/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.
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(a) Total amount of commissions paid	(b) Total amount of fees paid
0	0

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end..... **4** 0**5** Current value of plan's interest under this contract in separate accounts at year end..... **5** 0**6** Contracts With Allocated Funds:**a** State the basis of premium rates ▶**b** Premiums paid to carrier **6b****c** Premiums due but unpaid at the end of the year **6c****d** If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount..... **6d**
Specify nature of costs ▶**e** Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶**f** If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐**7** Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)**a** Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☒ guaranteed investment (4) ☐ other ▶**b** Balance at the end of the previous year **7b** 43978214**c** Additions: (1) Contributions deposited during the year **7c(1)** 3581983
(2) Dividends and credits **7c(2)** 711458
(3) Interest credited during the year **7c(3)** 5
(4) Transferred from separate account **7c(4)**
(5) Other (specify below) **7c(5)** 439107

▶ ROLLOVER CONTRIBUTIONS, LOAN PAYMENTS,

(6) Total additions **7c(6)** 4732553**d** Total of balance and additions (add lines **7b** and **7c(6)**) **7d** 48710767**e** Deductions:(1) Disbursed from fund to pay benefits or purchase annuities during year **7e(1)** 4081582
(2) Administration charge made by carrier **7e(2)** 32196
(3) Transferred to separate account **7e(3)**
(4) Other (specify below) **7e(4)** 3706407▶ INVESTMENT TRANSFERS, MISTAKE OF FACT REFUNDS, LOAN
WITHDRAWALS, CONTRIBUTION CREDITS(5) Total deductions **7e(5)** 7820185**f** Balance at the end of the current year (subtract line **7e(5)** from line **7d**) **7f** 40890582

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve.....	9a(3)		
(4) Earned ((1) + (2) - (3)).....		9a(4)	
b Benefit charges (1) Claims paid.....	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2)).....		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs.....	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges.....	9c(1)(G)		
(H) Total retention.....		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement.....		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).).....		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan	B Three-digit plan number (PN)	002
WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN		
C Plan sponsor's name as shown on line 2a of Form 5500	D Employer Identification Number (EIN)	
WOODS HOLE OCEANOGRAPHIC INSTITUTION	04-2105850	

Part I Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
PRINCIPAL LIFE INSURANCE COMPANY
42-0127290

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
--

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 37 50 64	CONTRACT ADMINISTRATOR	137998	Yes ☒ No ☐	Yes ☒ No ☐	120	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN</u>		B Three-digit plan number (PN) <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>WOODS HOLE OCEANOGRAPHIC INSTITUTION</u>		D Employer Identification Number (EIN) <u>04-2105850</u>

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	143122	254732
(2) Participant contributions.....	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants).....	1c(7)		
(8) Participant loans.....	1c(8)	1227957	1359325
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts.....	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	173474454	151499110
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	43978214	40890582
(15) Other	1c(15)	2241572	2115106

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	221065319	196118855

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	221065319	196118855
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	8738192	
(B) Participants	2a(1)(B)	9348603	
(C) Others (including rollovers)	2a(1)(C)	1223334	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		19310129
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	59413	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		59413
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	3424346	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		3424346
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-32798394
c Other income	2c		-281895
d Total income. Add all income amounts in column (b) and enter total	2d		-10286401
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	14520192	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)	2864	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		14523056
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		-2011
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)	139018	
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		139018
j Total expenses. Add all expense amounts in column (b) and enter total	2j		14660063
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-24946464
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: **MAYER HOFFMAN MCCANN P.C.**

(2) EIN: **43-1947695**

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a	X		188

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		X	
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		X	
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		X	
4d		X	
e Was this plan covered by a fidelity bond?	X		1000000
4e	X		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		X	
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN		B Three-digit plan number (PN) ► 002
C Plan sponsor's name as shown on line 2a of Form 5500 WOODS HOLE OCEANOGRAPHIC INSTITUTION		D Employer Identification Number (EIN) 04-2105850
Part I	Distributions	
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 42-0127290		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3 66
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:	
a	The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a
b	The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b
c	The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:	
a	The corresponding number for the plan year immediately preceding the current plan year.....	15a
b	The corresponding number for the second preceding plan year.....	15b
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:	
a	Enter the number of employers who withdrew during the preceding plan year	16a
b	If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐	

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
 Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

**Financial Statements
and Supplementary Information**

**Woods Hole Oceanographic Institution
Defined Contribution Retirement Plan**

December 31, 2022 and 2021



**WOODS HOLE OCEANOGRAPHIC INSTITUTION
DEFINED CONTRIBUTION RETIREMENT PLAN**

Financial Statements and Supplementary Information

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Independent Auditors' Report

To the Plan Administrator
Woods Hole Oceanographic Institution
Defined Contribution Retirement Plan
Woods Hole, Massachusetts

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed the audits of the financial statements of the Woods Hole Oceanographic Institution Defined Contribution Retirement Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 ("ERISA"), as permitted by ERISA Section 103(a)(3)(C) ("ERISA Section 103(a)(3)(C) audit"). The financial statements comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan ("investment information") by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA ("qualified institution").

Management has obtained certifications from qualified institutions as of December 31, 2022 and 2021 and for the year ended December 31, 2022, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the Auditors' Responsibilities for the Audit of the Financial Statements section:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.
- The information in the accompanying financial statements related to assets held by and certified to by the qualified institutions agree to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).



Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America ("GAAS"). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for 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. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern within one year after the date that the financial statements are issued or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the Plan, and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditors' Responsibilities for the Audit of the Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on these financial statements.



In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit 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 Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certifications, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter - Supplemental Schedules Required by ERISA

The supplemental schedules, (1), Schedule H, Line 4a - Schedule of Delinquent Participant Contributions for the year ended December 31, 2022 and (2), Schedule H, Line 4i - Schedule of Assets (Held at End of Year) as of December 31, 2022, are presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. 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 included in the supplemental schedules, other than that agreed to or derived from the certified investment information, have been subjected to 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 GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.



In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedules related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Mayer Hoffman McCann P.C.

Boston, Massachusetts
July 18, 2024

**WOODS HOLE OCEANOGRAPHIC INSTITUTION
DEFINED CONTRIBUTION RETIREMENT PLAN**

Statements of Net Assets Available for Benefits

	<i>December 31,</i>	
	<i>2022</i>	<i>2021</i>
Assets		
Investments, at fair value	\$ 153,614,216	\$ 175,716,025
Fully benefit-responsive investment contracts at contract value	<u>40,890,582</u>	<u>43,978,214</u>
Total investments	<u>194,504,798</u>	<u>219,694,239</u>
Receivables:		
Employer contributions	254,732	143,122
Notes receivable from participants	<u>1,383,024</u>	<u>1,256,741</u>
Total receivables	<u>1,637,756</u>	<u>1,399,863</u>
Net assets available for benefits	<u>\$ 196,142,554</u>	<u>\$ 221,094,102</u>

**WOODS HOLE OCEANOGRAPHIC INSTITUTION
DEFINED CONTRIBUTION RETIREMENT PLAN**

Statement of Changes in Net Assets Available for Benefits

Year Ended December 31, 2022

Additions to net assets attributed to:

Investment income:

Interest and dividends \$ 3,454,936

Interest income on notes receivable from participants 58,704

Contributions:

Participant deferrals 9,348,603

Employer base contributions 8,738,192

Rollovers 1,223,334

Total contributions 19,310,129

Total additions to net assets 22,823,769

Deductions from net assets attributed to:

Net depreciation in fair value of investments 33,134,657

Benefits paid to participants 14,525,422

Administrative expenses 115,238

Total deductions from net assets 47,775,317

Net decrease in net assets available for benefits (24,951,548)

Net assets available for benefits, beginning of year 221,094,102

Net assets available for benefits, end of year \$ 196,142,554

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 1 - Description of Plan

The following description of the Woods Hole Oceanographic Institution Defined Contribution Retirement Plan (the "Plan") provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions. In the event that there is a conflict between information provided in this document and the Plan agreement, the terms in the Plan agreement will prevail.

General

The Plan was established by Woods Hole Oceanographic Institution (the "Employer") and restated on June 1, 2017. The Delaware Charter Guarantee and Trust Company d/b/a Principal Trust Company ("Principal Trust") serves as a Custodian for the Plan and Principal Life Insurance Company ("Principal Life") serves as a Custodian and recordkeeper for the Plan and the Employer is the Plan's administrator. The Plan is a defined contribution plan with a cash deferred arrangement covering all eligible employees except (1) any person who is identified as a guest, fellow, student, post-doctoral scholar or with a work-study program, (2) any person who is covered by a collective bargaining agreement, unless such agreement specifically provides for participation in the Plan, (3) any person who is categorized as an independent contractor, leased employee, or other type of worker or service provider that is not a common law employee, and (4) employees who are non-resident aliens and who receive no earned income from the Employer which constitutes income from sources within the United States ("Participants"), as defined by the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA"). Participants direct the investment of all contributions into various investments offered by the Plan.

Participants' Contributions

Participants may defer a percentage of their eligible compensation, as defined by the Plan, subject to dollar limits set by Federal law. A participant that is classified as a regular employee (as defined by the Plan agreement) who has elected to defer at a rate of less than 6% shall be deemed to have elected to defer 6% and all new eligible participants are automatically enrolled in the Plan with a deferral rate of 6%. Beginning May 1, 2020, there will be 1% increases each May 1, up to a maximum of 15%, unless the participant makes an alternative election. Participants who have reached the age of 50 before the end of the Plan year are eligible to make catch-up contributions. Participants may also contribute amounts representing distributions from other qualified defined benefit or contribution plans ("Participant Rollovers").

Employer Contributions

An Employee, as defined within the Plan agreement, may be entitled to Employer contributions only if the employee has satisfied the applicable requirements to participate in the Plan and has become an "Eligible Employee," as defined in the Plan agreement.

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 1 - Description of Plan (Continued)

Employer Contributions (Continued)

Base Contribution

The base contribution made on behalf of an eligible qualified employee for a payroll period is equal to a percentage of regular compensation, as defined within the Plan agreement, and is based on the employee's age and service "points." An Eligible Employee's points are determined by taking the sum of the Eligible Employee's whole years of retirement service (as defined by the Plan agreement), plus the employee's age as of most recent birthday, as of the end of the payroll period. The base contribution rate ranges from 8% to 12% depending on the total points of the participant, as defined.

<i><u>Points of Eligible Employee</u></i>	<i><u>Applicable Percentage</u></i>
Less than 60 points	8%
At least 60 points, but less than 70 points	10%
70 points or more	12%

Participants' Accounts

Each participant's account is credited with the participant's contribution, allocations of the Employer's contributions and Plan investment earnings/losses, and reduced by administrative expenses, benefit disbursement processing fees and loan fees, when applicable. Allocations are based on participant earnings, account balances or specific participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting

Participants are immediately vested in all voluntary contributions, including rollovers, and the earnings thereon. Participants are fully vested in all Employer contributions after three years of vesting service. A participant also becomes fully vested upon death or disability, as defined by the Plan, or upon reaching normal retirement age (65), while employed by the Employer.

Notes Receivable from Participants

Subject to approval by the Plan administrator, participants may borrow a minimum of \$1,000 up to a maximum amount equal to the lesser of \$50,000 or 50% of their vested account balance. A loan may be made from participant contribution accounts only. A participant may only have one loan outstanding at a time. Loan terms generally range from one to five years (up to thirty years for the purchase of a primary residence). The loans are secured by the balance in the participant's account and bear interest at a prime rate as stated in The Wall Street Journal plus 1%. Principal and interest are paid ratably through payroll deductions.

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 1 - Description of Plan (Continued)

Payment of Benefits

In-service withdrawals from any account fully vested by the participant are permitted only due to financial hardship or upon reaching age 59½. Participants can withdraw amounts from their rollover accounts at any time. Hardship withdrawals may be taken from a participant's deferral or rollover account only. Participants are entitled to their total vested account balance upon death, disability, retirement, or termination of employment. A participant may elect to receive a lump-sum amount equal to the value of his or her accounts, a fixed period option for any number of years between five and thirty years, installment payments, or a flexible payment amount elected by the participant (or beneficiary). Upon termination, if a participant's account balance exceeds \$1,000 but does not exceed \$5,000, and the participant does not elect to take a distribution, the Plan administrator may make a lump-sum distribution to a direct rollover individual retirement account. If a participant's vested account balance is \$1,000 or less, and the participant does not elect to take the distribution, the Plan administrator may distribute the participant's vested account balance directly to the participant without consent.

Forfeitures

Forfeited balances are retained by the Plan and may be used to restore to the accounts of re-employed participants who previously forfeited balances and return before the five consecutive one-year breaks in service expire, to reduce Employer contributions, or permitted to be used to pay eligible Plan expenses. At December 31, 2022 and 2021, there were unused forfeited balances of \$2,132 and \$6,765, respectively. During 2022, \$149,238 of forfeitures were used to offset a portion of the Employer contributions.

Note 2 - Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared under the accrual method of accounting in accordance with accounting principles generally accepted in the United States of America.

Investments, Investment Valuation and Income Recognition

Investments are reported at fair value except for fully benefit-responsive investment contracts, which are reported at contract value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Contract value is the relevant measure for the portion of the net assets available for benefits attributable to fully benefit-responsive investment contracts because contract value is the amount participants normally would receive if they were to initiate permitted transactions under the terms of the Plan. Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net depreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 2 - Summary of Significant Accounting Policies (Continued)

Notes Receivable from Participants

Notes receivable from Participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2022 and 2021.

Payment of Benefits

Benefits are recorded when paid.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires Plan management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could vary from those estimates.

Administrative Expenses

Expenses incurred in the administration of the Plan are paid out of the assets of the Plan unless paid by the Employer at its sole discretion. Investment related expenses are netted against net depreciation of fair value of investments. Custodian expenses are paid for by the Plan.

Subsequent Events

The Employer and Plan management have evaluated subsequent events through July 18, 2024, the date the financial statements were available to be issued. During 2023, the Plan switched custodians from Principal Trust Company to Empower. No other significant matters were identified for disclosure in the evaluation.

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 3 - Information Certified by the Custodians

Plan investments as of December 31, 2022, include mutual funds, self-directed brokerage accounts and a New York Life Guaranteed Interest Account Class 10 Fund ("NYLGIAC") held by the Plan's Custodian, Principal Trust Company ("Principal Trust"). Through December 31, 2021, the Principal Fixed Income Guaranteed Option Fund ("PFIGO") was held by Principal Life Insurance Company ("Principal Life"). The fair and contract values of the mutual funds, self-directed brokerage accounts and the Guaranteed Interest Account with New York Life as of December 31, 2022 and all investment transactions for the year ended then ended are reported to the Plan and certified as complete and accurate by Principal Trust. The fair and contract value of Plan investments as of December 31, 2021 was reported to the Plan and certified as complete and accurate by Principal Trust and Principal Life. Notes receivable from Participants and information included in Schedule H, Line 4i – Schedule of Assets (Held at End of Year) have also been derived from information certified by Principal Trust and Principal Life. The Plan offers investment choices to allow Participants to create a diversified portfolio of assets based on the participant's risk tolerance. Participants may invest their accounts in a combination of guaranteed investment contracts, self-directed brokerage accounts (which include various mutual fund options) and mutual funds.

Note 4 - Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). Valuation techniques maximize the use of observable inputs and minimize the use of unobservable inputs. The three levels of the fair value hierarchy are described below:

- | | |
|----------------|---|
| <i>Level 1</i> | Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access. |
| <i>Level 2</i> | Inputs to the valuation methodology include quoted prices for similar assets and liabilities in active markets; quoted prices for identical or similar assets and liabilities in inactive markets; inputs other than quoted market prices that are observable for the asset or liability; and inputs that are derived principally from or corroborated by observable market data by correlation or other means. If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability. |
| <i>Level 3</i> | Inputs that are unobservable inputs for the asset or liability. |

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 4 - Fair Value Measurements (Continued)

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2022 and 2021.

Mutual Funds

Valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily Net Asset Value ("NAV") and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

Self-Directed Brokerage Accounts

Self-directed brokerage accounts consist of investments in mutual funds and are valued at the daily closing price as reported by the fund. Mutual funds held in self-directed brokerage accounts are open-end mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily NAV and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2022 and 2021:

Description	Assets at Fair Value as of December 31, 2022			
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 151,499,110	\$ -	\$ -	\$ 151,499,110
Self-directed brokerage accounts	2,115,106	-	-	2,115,106
Total	\$ 153,614,216	\$ -	\$ -	\$ 153,614,216

Description	Assets at Fair Value as of December 31, 2021			
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 173,474,453	\$ -	\$ -	\$ 173,474,453
Self-directed brokerage accounts	2,241,572	-	-	2,241,572
Total	\$ 175,716,025	\$ -	\$ -	\$ 175,716,025

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 5 - Fully Benefit-Responsive Investment Contract

The following is a description of the investments and valuation methodologies for the fully benefit-responsive investment contract:

New York Life Guaranteed Interest Account Class 10 Fund

The New York Life Guaranteed Interest Account Class 10 Fund ("NYLGIAC") is a guaranteed investment account ("GIA") backed by the general account of New York Life. The GIA does not have specific underlying assets assigned. The GIA issuer is contractually obligated to repay the principal and a specified interest rate that is guaranteed to the Plan.

There are no reserves against contract value for credit risk of Principal Trust or otherwise. The crediting interest rate is based on a formula agreed upon with the issuer, but it may not be less than 1.00%. The crediting interest rate was 1.95% as of December 31, 2022. The average yield was 1.85% in 2022.

Because the NYLGIAC guaranteed investment account is fully benefit-responsive, contract value is the relevant measurement attribute for that portion of the net assets available for benefits attributable to the guaranteed investment. The guaranteed interest account contained unallocated funds (forfeitures) which may be withdrawn or applied at contract value and therefore are presented on the Statements of Net Assets Available for Benefits at contract value. Contract value, as reported to the Plan by Principal Trust, represents contributions made under the contract, plus earnings, less participant withdrawals and administrative expenses. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value.

The Plan's ability to receive amounts due is dependent on the issuer's ability to meet its financial obligations. The issuer's ability to meet its contractual obligations may be affected by future economic and regulatory developments.

Certain events limit the ability of the Plan to transact at contract value with the issuer. Such events include the following: (1) amendments to the Plan document (including complete or partial termination or merger with another plan), (2) changes to the Plan's prohibition on competing investment options or deletion of equity wash provisions, (3) bankruptcy of the Employer or other Employer events (for example, divestitures or spin-offs of a subsidiary) that cause a significant withdrawal from the Plan, or (4) the failure of the Trust to qualify for exemption from Federal income taxes or any required prohibited transaction exemption under ERISA. The Plan administrator does not believe that any events which would limit the Plan's ability to transact at contract value with Plan Participants are probable of occurring.

The guaranteed investment and guaranteed interest accounts do not permit the insurance companies to terminate the agreements prior to the scheduled maturity date.

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 5 - Fully Benefit-Responsive Investment Contract (Continued)

The following is the contract value of the Plan's fully benefit-responsive investment contracts at December 31:

	2022	2021
Fully Benefit-Responsive Investment Contract at Contract Value:		
New York Life GIA Class 10	\$ <u>40,890,582</u>	\$ <u>43,978,214</u>

Note 6 - Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Market risks include global events such as an international conflict, which could impact the value of investment securities. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect Participants' account balances and the amounts reported in the Statements of Net Assets Available for Benefits.

Note 7 - Plan Termination

Although it has not expressed any intent to do so, the Employer has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, Participants would become 100% vested in their accounts. Any unallocated assets of the Plan shall be allocated to Participants' accounts and distributed in such a manner as the Employer may determine.

Note 8 - Tax Status

The Plan has been designed to qualify under Section 403(b) of the Internal Revenue Code ("Code"). The terms of the Plan have been prepared to conform to the sample language provided by the Internal Revenue Service ("IRS") in Revenue Procedure 2007-71. The Plan is required to operate in conformity with the Code to maintain the tax-exempt status for Plan Participants under Section 403(b). The Plan administrator and the Plan's tax counsel believe the Plan is currently being operated in compliance with the applicable provisions of the Code, and therefore, no provision for income taxes has been included in the Plan's financial statements.

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEFINED CONTRIBUTION RETIREMENT PLAN

Notes to Financial Statements

Note 8 - Tax Status (Continued)

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain tax position that more likely than not would not be sustained upon examination by the IRS.

The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

Note 9 - Related-Party Transactions and Party-in-Interest Transactions

Certain Plan investments are managed by Principal Trust and Principal Life, the Custodians as defined by the Plan; therefore, these transactions qualify as party-in-interest. Fees incurred by the Plan for the investment management services are included in net depreciation in fair value of the investments, as they are paid through revenue sharing, rather than a direct payment. The Plan made direct payments to Principal Trust and Principal Life of \$115,238, which were not covered by revenue sharing. The Employer pays directly any other fees related to the Plan's operations. Notes receivable from Participants also qualify as exempt party-in-interest transactions.

Note 10 - Reconciliation of Financial Statements to Form 5500

The accompanying Statements of Net Assets Available for Benefits and Schedule H, Line 4i - Schedule of Assets (Held at End of Year) have been prepared in accordance with accounting principles generally accepted in the United States of America. The assets listed on Schedule H of Form 5500 have been prepared in accordance with procedures established by the third-party administrator. Certain investment assets and related activity reported on the Statement of Changes in Net Assets Available for Benefits have been classified differently. The following is a reconciliation of net assets available for benefits per the financial statements to the Form 5500 as of December 31:

	2022	2021
Net assets available for benefits per the financial statements	\$ 196,142,554	\$ 221,094,102
Certain deemed distributions of notes receivable from participants	<u>(23,699)</u>	<u>(28,783)</u>
Net assets available for benefits per Form 5500	<u>\$ 196,118,855</u>	<u>\$ 221,065,319</u>

**WOODS HOLE OCEANOGRAPHIC INSTITUTION
DEFINED CONTRIBUTION RETIREMENT PLAN**

Notes to Financial Statements

Note 10 - Reconciliation of Financial Statements to Form 5500 (Continued)

For the year ended December 31, 2022, the following is a reconciliation of changes in net assets available for benefits per the financial statements to net loss per Form 5500:

Net decrease in net assets available for benefits per the financial statements	\$ (24,951,548)
Certain deemed distributions of notes receivable from participants in 2022	(23,699)
Certain deemed distributions of notes receivable from participants in 2021	<u>28,783</u>
Net loss per Form 5500	\$ <u>(24,946,464)</u>

Note 11 - Delinquent Participant Contributions

Under U.S. Department of Labor Regulation Section 2510.3-102, 403(b) Plan related salary deferrals and loan repayments withheld from employees' paychecks must be deposited into the Plan as soon as reasonably possible. When this regulation is not satisfied, the Plan Sponsor has engaged in a prohibited transaction. During the year ended December 31, 2022, contributions of \$188 were not remitted to the Plan within the required time period and were funded to the Plan as of December 31, 2022.

Supplementary Information

**WOODS HOLE OCEANOGRAPHIC INSTITUTION
DEFINED CONTRIBUTION RETIREMENT PLAN**

(E.I.N. 04-2105850 - Plan Number 002)

Schedule H, Line 4a - Schedule of Delinquent Participant Contributions

Year Ended December 31, 2022

Participant Contributions Transferred Late to Plan Check here if Late Participant Loan Payments are Included:	Total That Constitutes Nonexempt Prohibited Transactions			Total Fully Corrected Under Voluntary Fiduciary Correction Program (VFCP) and Prohibited Transaction Exemption 2002-51
	Contributions Not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction Outside VFCP	
2022 ☐	n/a	\$ 188	n/a	n/a

**WOODS HOLE OCEANOGRAPHIC INSTITUTION
DEFINED CONTRIBUTION RETIREMENT PLAN**

(E.I.N. 04-2105850 - Plan Number 002)

Schedule H, Line 4i - Schedule of Assets (Held at End of Year)

December 31, 2022

(a)	(b)	(c)	(d)	(e)
	<i>Identity of Issue</i>	<i>Description of Investment</i>	<i>Cost</i>	<i>Current Value</i>
	New York Life GIA Class 10	Guaranteed Investment Contract	\$	40,890,582
	Fidelity 500 Index Fund	Mutual Fund		17,364,211
	Fidelity US Bond Index Fund	Mutual Fund		18,972,102
	Fidelity Contrafund	Mutual Fund		16,288,603
	MFS Value R6 Fund	Mutual Fund		17,695,555
	JP Morgan Core Bond R6 Fund	Mutual Fund		17,530,667
	Fidelity Total International Index Fund	Mutual Fund		14,207,811
	American Funds EuroPacific Growth R6	Mutual Fund		11,735,924
	Fidelity Extended Market Index Fund	Mutual Fund		9,260,317
	TIAA-CREF Institutional Social Choice Equity	Mutual Fund		5,834,371
	Delaware Ivy Mid Cap Growth R6	Mutual Fund		5,198,110
	Virtus Ceredex Mid Cap Value Equity R6 Fund	Mutual Fund		4,993,206
	Fidelity Small Cap Value Fund	Mutual Fund		4,980,381
	Vanguard Inflation-Protected Secs Adm	Mutual Fund		2,868,306
	Touchstone Sm Company R6 Fund	Mutual Fund		3,212,816
	Hartford World Bond R6 Fund	Mutual Fund		1,356,730
*	Principal Self-Directed Brokerage Accounts	Self-Directed Brokerage Accounts		2,115,106
*	Participant Loans	Loans (Interest Rate 4.25% - 8.50%)	0	1,383,024
				<u>\$ 195,887,822</u>

* Represents a party-in-interest as defined by ERISA.

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

W H O I D

EIN 04-2105850
 PLAN NUMBER 002
 PLAN YEAR 01/01/2022 TO 12/31/2022

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
	The American Funds	Registered Investment Company Am Fds EuroPacific Grth R6 Fd	\$ 0.00	\$ 11,735,924.08
	Ivy Investment Management Co	Registered Investment Company Delaware Ivy Mid Cap Gr R6	\$ 0.00	\$ 5,198,109.58
	Fidelity Investments	Registered Investment Company Fidelity Extended Mkt Idx Fd	\$ 0.00	\$ 9,260,316.68
	Fidelity Investments	Registered Investment Company Fidelity Small Cap Value Fund	\$ 0.00	\$ 4,980,380.71
	Fidelity Investments	Registered Investment Company Fidelity Total Int Idx Fund	\$ 0.00	\$ 14,207,810.59
	Fidelity Investments	Registered Investment Company Fidelity US Bond Index Fund	\$ 0.00	\$ 18,972,102.37
	Fidelity Investments	Registered Investment Company Fidelity 500 Index Fund	\$ 0.00	\$ 17,364,211.29
	Fidelity Investments	Registered Investment Company FIDELITY CONTRAFUND K6 FUND	\$ 0.00	\$ 16,288,603.11
	Hartford Mutual Funds	Registered Investment Company Hartford World Bond R6 Fund	\$ 0.00	\$ 1,356,730.27
	JP Morgan Funds	Registered Investment Company JP Morgan Core Bond R6 Fund	\$ 0.00	\$ 17,530,667.19
	MFS Investment Management	Registered Investment Company MFS Value R6 Fund	\$ 0.00	\$ 17,695,555.22
	New York Life Insurance Company	Insurance Company General New York Life GIA Class 10	\$ 0.00	\$ 40,890,582.00
	Schwab Funds	Brokerage Account SELF-DIRECTED BROKERAGE ACCT	\$ 0.00	\$ 2,115,106.13
	Sentinel	Registered Investment Company Touchstone Sm Company R6 Fund	\$ 0.00	\$ 3,212,815.81
	TIAA Investments	Registered Investment Company TIAA-CREF Soc Ch Eq I Fund	\$ 0.00	\$ 5,834,371.24

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

W H O I D
EIN 04 2105850
PLAN NUMBER 002
PLAN YEAR 01/01/2022 TO 12/31/2022

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
	Vanguard Group	Registered Investment Company Vgd Infl-Prot Sec Adm Fund	\$ 0.00	\$ 2,868,306.23
	Ridgeworth Funds	Registered Investment Company Virtus Cer MC Val Eq R6 Fd	\$ 0.00	\$ 4,993,205.96
*	Participant Loans	Range of Interest Rates Rates Range From 4.25% To 8.50%	\$ 0.00	\$ 1,359,325.00

Woods Hole Oceanographic Institution Defined Contribution Retirement Plan (the “Plan”)

E.I.N. 04-2105850 - Plan Number 002

To whom it may concern,

We are working with our auditors to complete the audit of the Plan for the plan year ended December 31, 2022, however it is not yet ready for filing by the February 15, 2024 filing deadline (special extension for Hurricane Lee). We are working to complete the audit as soon as reasonably possible, and accordingly, once complete, we will file an amended 5500 and attach the audited financial statements.

Sincerely,

Woods Hole Oceanographic Institution
Plan Sponsor