

**CARY INSTITUTE OF ECOSYSTEM STUDIES, INC.**  
**FEDERAL SINGLE AUDIT REPORT**  
**JUNE 30, 2022**



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**JUNE 30, 2022**

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**INDEPENDENT AUDITORS' REPORT ON COMPLIANCE FOR EACH MAJOR  
FEDERAL PROGRAM, REPORT ON INTERNAL CONTROL OVER COMPLIANCE,  
AND REPORT ON THE SCHEDULE OF EXPENDITURES OF  
FEDERAL AWARDS REQUIRED BY THE UNIFORM GUIDANCE**

To the Board of Directors  
Cary Institute of Ecosystem Studies, Inc.  
Millbrook, New York

**Report on Compliance for Each Major Federal Program**

***Opinion on Each Major Federal Program***

We have audited Cary Institute of Ecosystem Studies, Inc.'s compliance with the types of compliance requirements identified as subject to audit in the OMB *Compliance Supplement* that could have a direct and material effect on each of Cary Institute of Ecosystem Studies, Inc.'s major federal programs for the year ended June 30, 2022. Cary Institute of Ecosystem Studies, Inc.'s major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

In our opinion, Cary Institute of Ecosystem Studies, Inc. complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2022.

***Basis for Opinion on Each Major Federal Program***

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditors' Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of Cary Institute of Ecosystem Studies, Inc. and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of Cary Institute of Ecosystem Studies, Inc.'s compliance with the compliance requirements referred to above.

### ***Responsibilities of Management for Compliance***

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules and provisions of contracts or grant agreements applicable to Cary Institute of Ecosystem Studies, Inc.'s federal programs.

### ***Auditors' Responsibilities for the Audit of Compliance***

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on Cary Institute of Ecosystem Studies, Inc.'s compliance based on our audit. 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, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about Cary Institute of Ecosystem Studies, Inc.'s compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance, we:

- exercise professional judgment and maintain professional skepticism throughout the audit.
- identify and assess the risks of material noncompliance, 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 Cary Institute of Ecosystem Studies, Inc.'s compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- obtain an understanding of Cary Institute of Ecosystem Studies, Inc.'s internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances 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 Cary Institute of Ecosystem Studies, Inc.'s internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

### **Report on 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 a 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 Auditors' Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

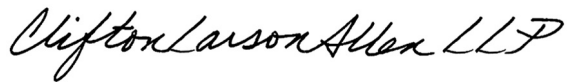
The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

### **Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance**

We have audited the financial statements of Cary Institute of Ecosystem Studies, Inc. as of and for the year ended June 30, 2022, and have issued our report thereon dated November 15, 2022, which contained an unmodified opinion on those financial statements. Our audit was performed for the purpose of forming an opinion on the financial statements as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance 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.

Board of Directors  
Cary Institute of Ecosystem Studies, Inc.

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 schedule of expenditures of federal awards is fairly stated in all material respects in relation to the financial statements as a whole.

A handwritten signature in cursive script that reads "CliftonLarsonAllen LLP".

**CliftonLarsonAllen LLP**

West Hartford, Connecticut  
November 15, 2022

**CARY INSTITUTE OF ECOSYSTEM STUDIES, INC.**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**YEAR ENDED JUNE 30, 2022**

<b>Federal Grantor/Pass-Through Entity/Program Title</b>	<b>Grant Period Ended</b>	<b>Pass-Through Entity Grant Number</b>	<b>Federal Assistance Listing Number</b>	<b>Subrecipient Expenditures</b>	<b>Total Expenditures</b>
<b>Department of Agriculture</b>					
<i>Direct:</i>					
Plant and Animal Disease, Pest Control and Animal Care		AP19PPQFO000C552	10.025	\$ - \$	1,221
Plant and Animal Disease, Pest Control and Animal Care		AP21PPQS&T00C186	10.025	-	22,365
Agricultural Research		59-8042-0-005	10.001	-	7,102
Agricultural Research		59-8042-1-004	10.001	-	17,092
Agriculture and Food Research Initiative		2020-67012-36587	10.310		52,253
<i>Passed Through University of Washington:</i>					
Agriculture and Food Research Initiative		2017-67015-26956	10.310	-	2,346
Total Department of Agriculture				-	102,379
<b>National Aeronautics and Space Administration</b>					
<i>Direct:</i>					
Science		80NSSC21K1987	43.001	-	19,645
<i>Passed Through Dartmouth College:</i>					
Science		80NSSC17K0273	43.001	-	35,365
<i>Passed Through California Institute of Technology:</i>					
Science		1672504	43.001	-	77
Total National Aeronautics and Space Administration					55,087
<b>Department of Defense</b>					
<i>Passed Through Montana State University:</i>					
Research and Technology Development		D18AC00031	12.910	32,904	131,645
<b>Fish and Wildlife Services</b>					
<i>Direct:</i>					
Fish and Wildlife Management Assistance		F20AC11806-00	15.608	-	14,568

See accompanying Notes to Schedule of Expenditures of Federal Awards..

**CARY INSTITUTE OF ECOSYSTEM STUDIES, INC.**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**YEAR ENDED JUNE 30, 2022**

<b>Federal Grantor/Pass-Through Entity/Program Title</b>	<b>Period Ended</b>	<b>Pass-Through Entity Grant Number</b>	<b>CFDA Number</b>	<b>Subrecipient Expenditures</b>	<b>Total Expenditures</b>
<b>Research and Development Cluster</b>					
National Science Foundation:					
<i>Direct:</i>					
Education and Human Resources		DRL-1721163	47.076	\$ 4,423	\$ 51,902
Computer and Information Science and Engineering		IIS-1761946	47.070	-	14,888
Biological Sciences		Various	47.074	1,311,133	2,623,173
Geological Sciences		EAR-2012344	47.050	-	12,343
Polar Programs		OPP-2116863	47.078		41,672
Engineering Grants		CBET-2115414	47.041		48,785
<i>Passed Through Oregon State University:</i>					
Biological Sciences		DBI-1730756	47.074	-	2,870
<i>Passed Through Cornell University:</i>					
Biological Sciences		DEB-1655818	47.074	-	26,063
<i>Passed Through Penn State University:</i>					
Biological Sciences		DEB-1619072	47.074	-	529
<i>Passed Through University of Florida:</i>					
Biological Sciences		DBI-1933102	47.074	-	17,490
<i>Passed Through Colorado State:</i>					
Engineering Grants		CBET-1444758	47.041	-	13,768
<i>Passed Through University of Connecticut:</i>					
Education and Human Resources		DGE-2022036	47.076	-	20,291
Total National Science Foundation				<u>1,315,556</u>	<u>2,873,774</u>
Department of Health and Human Services:					
<i>Passed Through University of Texas:</i>					
Allergy and Infectious Diseases Research		5U01AI151807-02	93.855	-	84,065
Allergy and Infectious Diseases Research		5U01AI151807-03	93.855	-	6,216
Total Department of Health and Human Services				<u>-</u>	<u>90,281</u>
Total Research and Development Cluster				<u>1,315,556</u>	<u>2,964,055</u>
<b>Total Federal Expenditures</b>				<u>\$ 1,348,460</u>	<u>\$ 3,267,734</u>

See accompanying Notes to Schedule of Expenditures of Federal Awards..



**CARY INSTITUTE OF ECOSYSTEM STUDIES, INC.  
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

**NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

**Basis of Presentation**

The accompanying schedule of expenditures of federal awards (the Schedule) includes the federal award activity of the Cary Institute of Ecosystem Studies, Inc., under programs of the federal government for the year ended June 30, 2022. The information in the Schedule is presented in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations* 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 the Cary Institute of Ecosystem Studies, Inc., it is not intended to, and does not, present the financial position, changes in net assets, functional expense or cash flows of the Cary Institute of Ecosystem Studies, Inc.

**Basis of Accounting**

Expenditures reported on the Schedule are reported on the accrual basis of accounting. For cost-reimbursement awards, such expenditures are recognized following the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. For performance-based awards, expenditures reported represent amounts earned.

**NOTE 2 INDIRECT COST RECOVERY**

Cary Institute of Ecosystem Studies, Inc., did not recover the 10% de minimis indirect cost rate allowed under Section 200.414 of the Uniform Guidance

**NOTE 3 - RECONCILIATION OF SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS TO FINANCIAL STATEMENTS**

The following is a reconciliation of the total federal grants and contracts as reported in the Cary Institute of Ecosystem Studies, Inc.'s financial statements to the federal expenditures reported in the schedule of expenditures of federal awards:

Government grants and contracts reported in the financial statements	\$ 3,719,022
Nonfederal government grants and contracts	<u>(451,288)</u>
Expenditures in the Schedule of Expenditures of Federal Awards	<u>\$ 3,267,734</u>



**INDEPENDENT AUDITORS' 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**

To the Board of Directors  
Cary Institute of Ecosystem Studies, Inc.  
Millbrook, New York

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 Cary Institute of Ecosystem Studies, Inc., which comprise of the statement of financial position, related statement of activities, functional expenses and cash flows as of and for the year ended June 30, 2022, and the related notes to the financial statements, and have issued our report thereon dated November 15, 2022.

***Report on Internal Control Over Financial Reporting***

In planning and performing our audit of the financial statements, we considered Cary Institute of Ecosystem Studies, Inc.'s internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of Cary Institute of Ecosystem Studies, Inc.'s internal control. Accordingly, we do not express an opinion on the effectiveness of Cary Institute of Ecosystem Studies, Inc.'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 or significant deficiencies may exist that were not identified.

***Report on Compliance and Other Matters***

As part of obtaining reasonable assurance about whether Cary Institute of Ecosystem Studies, Inc.'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 financial statements. 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

A handwritten signature in cursive script that reads "CliftonLarsonAllen LLP".

**CliftonLarsonAllen LLP**

West Hartford, Connecticut  
November 15, 2022

**CARY INSTITUTE OF ECOSYSTEM STUDIES, INC.  
SCHEDULE OF FINDINGS AND QUESTIONED COSTS  
YEAR ENDED JUNE 30, 2022**

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***Section I – Summary of Auditors’ Results***

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***Financial Statements***

- |  |            |                                    |
|--|------------|------------------------------------|
| 1. Type of auditors’ report issued:                      | Unmodified |                                    |
| 2. Internal control over financial reporting:            |            |                                    |
| • Material weakness(es) identified?                      | _____ yes  | _____ <u>x</u> _____ no            |
| • Significant deficiency(ies) identified?                | _____ yes  | _____ <u>x</u> _____ none reported |
| 3. Noncompliance material to financial statements noted? | _____ yes  | _____ <u>x</u> _____ no            |

***Federal Awards***

- |   |            |                                    |
|---|------------|------------------------------------|
| 1. Internal control over federal programs:  |            |                                    |
| • Material weakness(es) identified?   | _____ yes  | _____ <u>x</u> _____ no            |
| • Significant deficiency(ies) identified that are not considered to be material weakness(es)?           | _____ yes  | _____ <u>x</u> _____ none reported |
| 2. Type of auditors’ report issued on compliance for federal programs:                                  | Unmodified |                                    |
| 3. Any audit findings disclosed that are required to be reported in accordance with state requirements? | _____ yes  | _____ <u>x</u> _____ no            |

***Identification of Major Federal Programs***

**Assistance Listing Number(s)**

47.076/47.070/47.074/  
47.078/47.050/47.041/93.855

**Name of Federal Program or Cluster**

Research and Development Cluster

Dollar threshold used to distinguish between Type A and Type B programs:

\$ 750,000

Auditee qualified as low-risk auditee?

\_\_\_\_\_ x \_\_\_\_\_ yes \_\_\_\_\_ no

**CARY INSTITUTE OF ECOSYSTEM STUDIES, INC.**  
**SCHEDULE OF FINDINGS AND QUESTIONED COSTS (CONTINUED)**  
**YEAR ENDED JUNE 30, 2022**

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***Section II – Financial Statement Findings***

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Our audit did not disclose any matters required to be reported in accordance with *Government Auditing Standards*.

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***Section III – Findings and Questioned Costs – Major Federal Programs***

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Our audit did not disclose any matters required to be reported in accordance with 2 CFR 200.516(a).

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