

Economic Development & Planning Committee



AGENDA - REGULAR MEETING

OSWEGO COUNTY, NEW YORK

Date/ Time: Tuesday, August 30, 2022 at 9 a.m.

Location: Conference Room E - Legislative Office Building 46 East Bridge Street Oswego

COMMITTEE MEMBERS:

Tim Stahl, Chair	Legislator, 20 th District
Mary Ellen Chesbro, Vice Chair	Legislator, 10 th District
Edward Gilson	Legislator, 3 rd District
Paul House	Legislator, 8 th District
Roy Reehil	Legislator, 5 th District
Noelle Salmonsens	Legislator, 21 st District
Marie Schadt	Legislator, 19 th District

CALL TO ORDER:

- Pledge of Allegiance

APPROVAL OF MINUTES:

- Approval of Minutes for the Economic Development and Planning Committee's regular meeting on August 2, 2022

RESOLUTIONS:

- EP-1** Resolution Appointing a Certain Individual to the Oswego County Industrial Development Agency
- EP-2** Resolution Authorizing the Chair of the Oswego County Legislature to Appoint a Member to the Central New York Regional Market Authority Board of Directors

COMMITTEE REVIEW & DECISIONS:

REPORTING DEPARTMENTS:

- Community Development, Tourism & Planning Department Updates
- Soil and Water Department Updates
- Operation Oswego County Update on Economic Development Activities and Initiatives

ADJOURNMENT:

Economic Development & Planning Committee

DRAFT



MINUTES - REGULAR MEETING

OSWEGO COUNTY, NEW YORK

Date/ Time: Tuesday, August 2, 2022 at 9:00am

Location: Conference Room E - Legislative Office Building 46 East Bridge Street Oswego, New York 13126

COMMITTEE MEMBERS:

Tim Stahl, Chair	Legislator, 20 th District	Present
Mary Ellen Chesbro, Vice Chair	Legislator, 10 th District	Present
Edward Gilson	Legislator, 3 rd District	Present
Paul House	Legislator, 8 th District	Present
Roy Reehil	Legislator, 5 th District	Excused
Noelle Salmonsens	Legislator, 21 st District	Present
Marie Schadt	Legislator, 19 th District	Present

STAFF AND GUESTS:

David Turner	Joe Chairvolotti	Frank Castiglia
Phil Church	Dan Breitweg	Jim Weatherup

CALL TO ORDER:

A Regular Meeting of the Economic Development & Planning Committee was called to order at 9:00 am by Committee Chair Tim Stahl with the interim Deputy Clerk of the Legislature Present. The meeting commenced with the Pledge of Allegiance.

APPROVAL OF MINUTES:

Motion to approve the meeting minutes: Legislator Gilson

Second: Legislator House

Vote: Unanimous, motion carried

The minutes for the Economic Development & Planning Committee Regular Meeting on July 6, 2022 were approved.

RESOLUTIONS:

EP-1 Resolution Authorizing Budget Modification Department of Community Development, Tourism and Planning – Capital Project No. 95

Motion to approve: Legislator Chesbro

Second: Legislator Salmonsens

Vote: Unanimous, motion carried

EP-2 Resolution Fixing Time and Place for a Public Hearing to Provide Information Relative to the Progress of Community Development Block Grant from NYS Office of Homes and Community Renewal – Project No. 864CVHR34-21

Motion to approve: Legislator Gilson

Second: Legislator House

Vote: Unanimous, motion carried

COMMITTEE REVIEW & DECISIONS:

None

REPORTING DEPARTMENTS:

Community, Development, Tourism & Planning Director David Turner Director gave a verbal update

Soil and Water Conservation Director Joe Chairvolotti gave a verbal update

ADJOURNMENT:

Motion to adjourn at 9:43 a.m.: Legislator House

Second: Legislator Gilson

Vote: Unanimous, motion carried

DRAFT

Matthew Reitz
Interim Deputy Clerk of the Legislature

RESOLUTION NO.

September 15, 2022

**A RESOLUTION APPOINTING A CERTAIN INDIVIDUAL TO THE OSWEGO
COUNTY INDUSTRIAL DEVELOPMENT AGENCY**

By Legislator Tim Stahl:

WHEREAS, the County of Oswego Industrial Development Agency was formed in 1973 under New York State General Municipal Law §911-b; and

WHEREAS, COIDA presently has a vacancy on the agency board; and

WHEREAS, the Oswego County Legislature as appointing authority is required to appoint individuals as members of the agency pursuant to New York State General Municipal Law §856; and

WHEREAS, a resolution is both necessary and desirable,

NOW, therefore upon the recommendation of the Economic Development and Planning Committee of this body, it is hereby,

RESOLVED, that, Tricia Peter Clark of the Village of Mexico be and is hereby appointed as member of the County of Oswego Industrial Development Agency Board under New York State General Municipal Law §856; and, it is further

RESOLVED, that, as said individual serve at the pleasure of the Oswego County Legislature under GML§856(2) said appointment shall be indefinite in nature and run until their successors are appointed and qualified.

RESOLUTION PASSED/FAILED, WITH A VOICE/ROLL CALL VOTE

YES:

NO:

ABSENT:

ABSTAIN:

TRICIA A. PETER CLARK, M.B.A., FACHE

[REDACTED]

[REDACTED]

[REDACTED]

President/Chief Executive Officer, ConnexCare Pulaski NY

June 2021-present

- Provide overall management of the corporation's health center activities, ensuring efficient operations and delivery of quality health care services to patients and the surrounding communities.
- Create and promote a diverse workforce and a positive environment that supports consistency throughout the organization's operations.
- Implement board-established short and long-term goals and operating plans
- Oversee compliance with State, Federal and CMS regulations and internal policies
- Formulate and monitor compliance with the organization's annual operating and capital budget, to ensure positive financial results on a sustained basis.
- Ensure optimization of program revenues through program services and volume, grants, business opportunities, investments, etc.
- Ensure best practice, evidenced-based approaches to consistently deliver exceptional care, wellcoordinated and integrated care.
- Foster strong community relations and develop collaborative partnerships that advance the interests of the organization and contribute to the health and well-being of the communities served.

Executive VP/Chief Operating Officer, ConnexCare Pulaski NY

July 18-June 2021

- Oversee the daily operations of thirteen Federally Qualified Health Centers, monitoring utilization, access, provider productivity and patient visit compliance.
- Carry out the leadership role of the organization in the absence of the President/CEO
- Participate in the budgeting process and monitor overall organizational effectiveness and productivity in support of financial objectives.
- Work with senior leadership to develop, communicate, and execute annual strategic objectives and other relevant initiatives
- Work with Board of Directors and the President/CEO to identify opportunities for program growth in new service areas and secure revenue to support expansion, through grant submission.
- Coordinate the implementation of key projects to expand patient satisfaction and staff efficiencies
- Serve on relevant community organizations Board of Directors, representing the voice of primary care.

- Oversee the function of the Information Services, Human Resources, Facilities, Behavioral Health and Dental Departments to ensure operational integration and system efficiencies.
- Serve as project manager of site based construction, coordinating resources, communication with the State and local contractors to insure work is within budget, on schedule and safely executed.

VP/Chief Operating Officer, ConnexCare Pulaski NY

January 16-July 18

- Oversee the daily operations of thirteen Federally Qualified Health Centers, monitoring utilization, access, provider productivity and patient visit compliance.
- Participate in the budgeting process and monitor overall organizational effectiveness and productivity in support of financial objectives.
- Establish Behavioral Health and Psychiatry program to integrate with Primary Care, including recruitment of professionals, electronic medical record implementation and documentation standards.
- Facilitate organizational marketing activities including a brand re-identification to a new name and tagline, with strategic outreach with local media
- Analyze and recommend changes to organizational systems, policies, and procedures and plan for implementation that will lead to sustained improvement.
- Serve as a liaison between ConnexCare and outside organizations to improve outcomes and achieve efficiency.
- Collaborate with Senior Management and health center employees to design and carry out key initiatives to support Patient Centered Medical Home goals.
- Oversee the function of the Information Services and Human Resources Departments, to ensure that activities and plans support the operations of the Center and staff.
- Coordinate and manage site based facility needs including construction, and Certificate of Need process, with NYSDOH inspections.

Director of Operations, ConnexCare, Pulaski NY

January 13-January 16

- Oversee the daily operations of twelve Federally Qualified Health Centers, monitoring utilization, access, provider productivity and patient no shows.
- Lead health centers through strategic alignment of five newly acquired offices, including the implementation of a standard electronic medical record and practice management system.
- Coordinate the implementation of key projects to further expand integration, such as RHIO interface, electronic lab ordering, across the network to improve our health care delivery systems.
- Serve as a liaison between ConnexCare and outside organizations to improve outcomes and achieve efficiency.
- Collaborate with Senior Management and health center employees to design and carry out key initiatives to support Patient Centered Medical Home goals.

Director of Health Center Operations, OCO, Inc., Fulton NY

February 10-December 12

- Direct oversight of two Article 28 D&TC's and three Family Planning Satellite offices, monitoring utilization, access, provider productivity and patient no shows.
- Facilitated the implementation of an electronic health record and served as the system administrator, designing role based access for staff and system modifications for providers.
- Negotiated contracts with commercial insurance plans to maximize reimbursement.
- Worked with providers to achieve Meaningful Use recognition, assisting with the data collection and application submission.
- Created operational dashboards for monthly monitoring of key health center indicators, reducing no shows, while improving access through the standardization of visit types and provider templates.
- Supervised the Billing Department, instituting timely claims processing and patient collection at the time of service, reducing the number of patient statements generated for co-payments.
- Key member of the transition team for the "Preserving the Oswego County Primary Care Safety Net," initiative successfully integrating five additional health centers under the NOCHSI umbrella.

Coordinator, Rural Health Network of Oswego County, OCO, Inc. Fulton NY

June 08-February 10

- Coordinated and led a county-wide network to plan, develop, and prioritize various health care related projects throughout Oswego County.
- Provided care coordination and case management on a macro-level by developing systems to assess county wide needs in acute, primary, long term, behavioral, ambulatory and ancillary health care services.
- Direct oversight of the daily operations of the grant application process including the budget, expenditures and submission of budget modifications to the NYSDOH as needed.
- Responsible for the overall planning, project development, implementation and evaluation of programs which addressed the health care needs of residents, the health care workforce and community health care providers.
- Supervised the NYSDOH Cancer Services Program Partnership of Oswego County and the Health Education Programs.

Coordinator of Cancer Services, OCO, Inc., Fulton NY

July 04-June 08

- Provided individual care coordination and case management to all those patients who were at increased risk for cancer, or who were diagnosed with cancer through the early detection program.
- Worked with patients to create individualized care plans, addressing barriers to receiving care and secured additional resources, i.e. transportation, when needed for patients.
- Full responsibility for the day to day management of the NYSDOH Cancer Services Program, including medical records, scheduling and follow up for all patients.

- Conducted presentations for health care providers and community members on the importance of cancer screenings and other preventative services, to reduce the risk of breast, cervical and colorectal cancer screenings.
- Increased the number of individuals screened for colorectal cancer by 250 patients in one year and achieved NYSDOH recognition as a model program.
- Facilitated contract negotiations with health care providers to ensure that patients had access to health services regardless of ability to pay.

EDUCATION

Masters of Business Administration

Concentration in Leadership
St. Joseph's College of Maine

Bachelors of Science

Major: Health Services
D'Youville College, Buffalo New York

Concentration in Health Education and Operations

PROFESSIONAL AFFILIATIONS

Fellow, American College of Healthcare Executives

Central New York Area Health Education Center, Board of Directors
Community Health Center Association of New York State, Nominating Committee
Finger Lakes Independent Provider Association (IPA), Board of Directors and Vice President
Healthcare Financial Management Association, Member
Operation Oswego County, Inc., Board of Directors and Treasure
Oswego County Health Department, Professional Advisory Committee
Upstate Community Health Collaborative IPA, Board of Directors and Vice President
Oswego County Integrated Delivery Network, IPA, Board of Managers and Treasure
National Association of Community Health Centers, Member
New York State Association of Rural Health, Member- Board of Directors-Past President

PROFESSIONAL RECOGNITION

Central New York Business Journal, 2018 40 under Forty Honoree

RESOLUTION NO.

September 15, 2022

**RESOLUTION AUTHORIZING THE CHAIRMAN OF THE OSWEGO COUNTY
LEGISLATURE TO APPOINT A MEMBER TO THE CENTRAL NEW YORK
REGIONAL MARKET AUTHORITY BOARD OF DIRECTORS**

By Legislator Tim Stahl:

WHEREAS, the Public Authorities Law, Article 4, Title 2, Section 827, establishes the appointment requirements and composition of Central New York Regional Market Authority Board of Directors; and

NOW, on recommendation of the Economic Development and Planning Committee of this body, be it

RESOLVED, that pursuant to Article 4, Title 2, Section 827 of the New York State Public Authorities Law, the Chairman of the Oswego County Legislature be, and hereby is, authorized to appoint Tom Bonoffski to the Central New York Regional Market Authority Board of Directors to serve until replaced.

RESOLUTION PASSED/FAILED, WITH A VOICE/ROLL CALL VOTE

YES: NO: ABSENT: ABSTAIN:

Hemlock Woolly Adelgid-Associated Requests

Submitted by: Joe Chairvolotti, Oswego County Soil and Water Conservation District

Date: 8/15/2022

Introduction

In 2021 Hemlock Woolly Adelgid (HWA) was found at Camp Hollis and Independence Park. This invasive insect causes decline and the eventual mortality of hemlock trees. The Oswego County Soil and Water Conservation District was provided permission by the Oswego County Legislature to lead control efforts. The District arranged for pesticide application on approximately 100 trees in the fall of 2021 and up to 200 trees are planned for treatment in the fall of 2022. There is now the potential for biocontrol measures to be employed, which was presented to the Human Services Committee and tabled earlier this spring.

Request 1 (HWA Treatments)

The current contract with Oswego County, allowing the Soil and Water District to arrange for pesticide applications at Camp Hollis and Independence Park, expired in July of 2022. Another treatment is necessary in the fall of this year. Given the diameter restrictions on the product used, all of the hemlock trees present may not be treated during this round. Therefore, subsequent applications may be necessary. From the time that an individual tree receives a treatment, a follow-up is needed in approximately 5 years for the pesticide to remain effective. This office is requesting to extend the contract through at least the end of the year and perhaps beyond if feasible.

Request 2 (HWA Biocontrol Opportunity Revisited)

The New York State Hemlock Initiative (NYSHI), part of Cornell University, has approached the District about conducting a biocontrol release at Independence Park and requested that this project be proposed to the Oswego County Legislature and Oswego City-County Youth Bureau. This work would be completed at no cost to the County and can be accomplished in conjunction with pesticide control providing proper timing is utilized. The possible biocontrol insects released, include silver flies and beetles from the *Laricobius* genus (see information attached), which both prey on various stages of the adelgids. The objective is to monitor the establishment, efficacy and biology of these insects. Each species intended for use as a biocontrol agent has been studied for 10-20 years and has been found to produce no known negative environmental impacts. The United States Department of Agriculture Animal and Plant Health Inspection Service (USDA APHIS) has approved all insects for release as well as issued a permit to NYSHI. If the populations build up as anticipated, this effort would be part of a long-term approach to management of HWA on the Independence Park Property and may assist in advancing control efforts across New York State.

Attachments

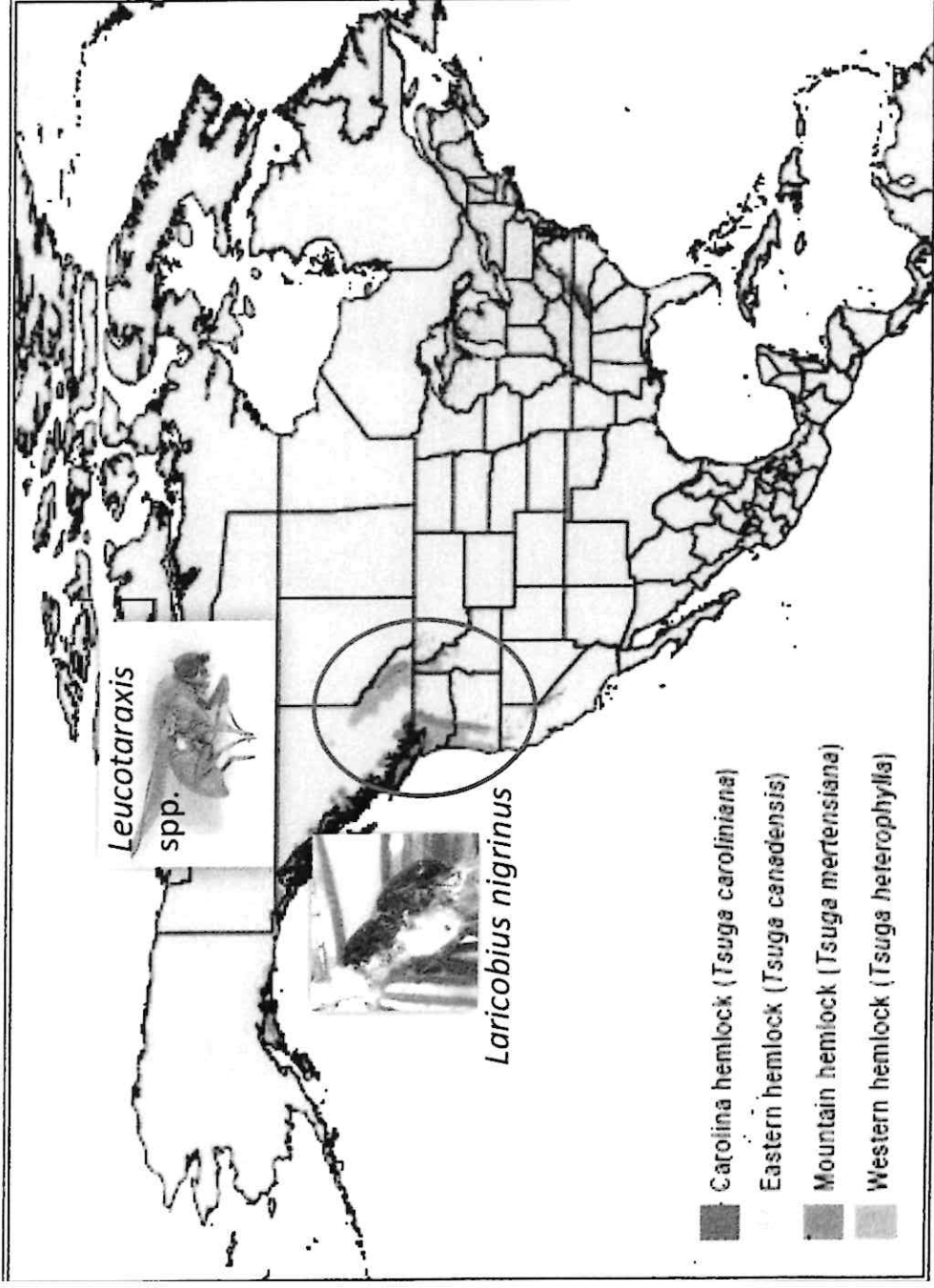
1. Biocontrol Agent Informational Slides
2. *Laricobius* Release Map
3. Silver Fly Release Map
4. USDA Aphis Permit

Websites for More Information

1. General Info about HWA: <https://www.dec.ny.gov/animals/7250.html>
2. Biocontrol Release Info (NYS Hemlock Initiative Website):
<https://blogs.cornell.edu/nyshemlockinitiative/biocontrol-program/>

Biological Control

- Area of research since the early 2000s
- Pacific Northwest (PNW) has been a focal area for research
 - Additionally Japan and China (Onken and Reardon 2011)
- Three species from the PNW have shown promise
 - *Laricobius nigrinus*
 - *Leucotaraxis argenticollis*
 - *Leucotara piniperda*



Map from Havill et al. 2014

Laricobius nigrinus

- Coleoptera: Derodontidae
- Specialist predator of HWA
 - Adults feed on overwintering (sistens) nymphs
 - Larvae feed on progrediens eggs laid by the sistens nymphs
 - Univoltine(Zilahi-Balogh et al. 2002, 2003)
- 400,000+ released since 2003 (Jubb et al. 2020)
- Has the potential to significantly reduce sistens generation in the winter (Mausel et al. 2008, Mayfield et al. 2015, Jubb et al. 2020)
- Impacts to sistens generation are negated by progrediens rebound (Elkinton et al. 2011, Crandall et al. 2020)
 - This supports the need for a predator that feeds on the progrediens (spring/summer) generation; i.e. *Leucotaraxis*



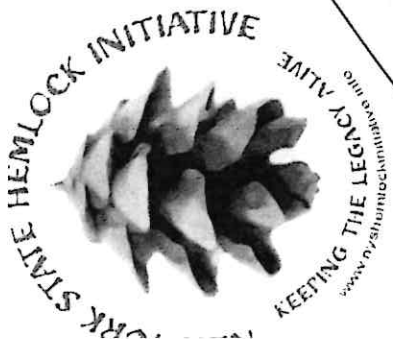
Leucotaraxis spp.

- Two species of flies in the family Chamaemyiidae
 - *Leucotaraxis argenticollis*
 - *Leucotaraxis piniperda*
- Represent one of the most abundant groups of specialist predators in the PNW, with *La. nigrinus* (Kohler et al. 2008)
- Larvae feed on HWA eggs
 - most abundant during HWA egg laying stage (Grubin et al. 2011)
- Feeds on the eggs of both the winter and spring generations of HWA
- No clear pattern of dominance between *Leucotaraxis* spp. and *Laricobius nigrinus* in the west (Kohler et al. 2016, Rose et al. 2020, Dietschler et al. 2021)



References

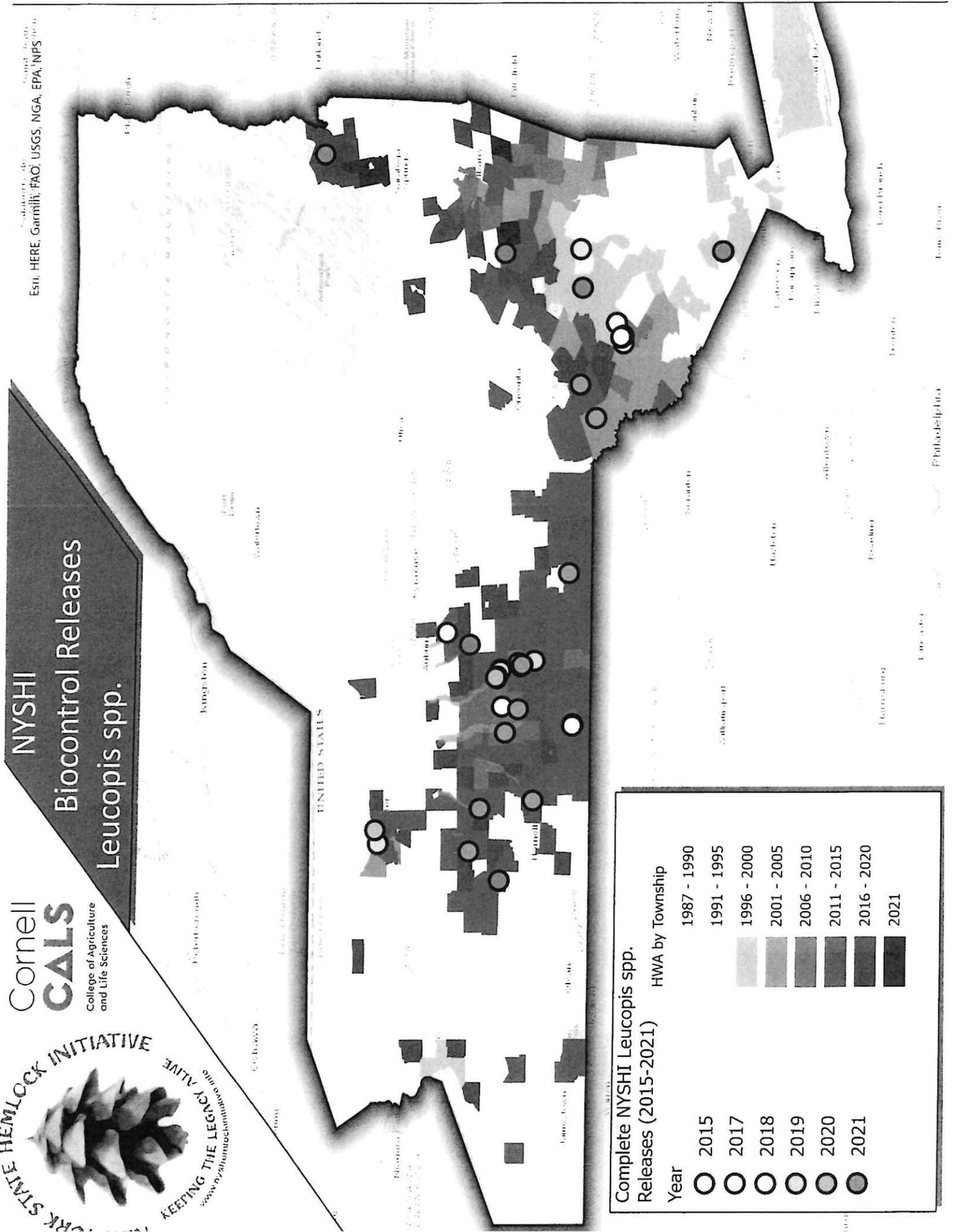
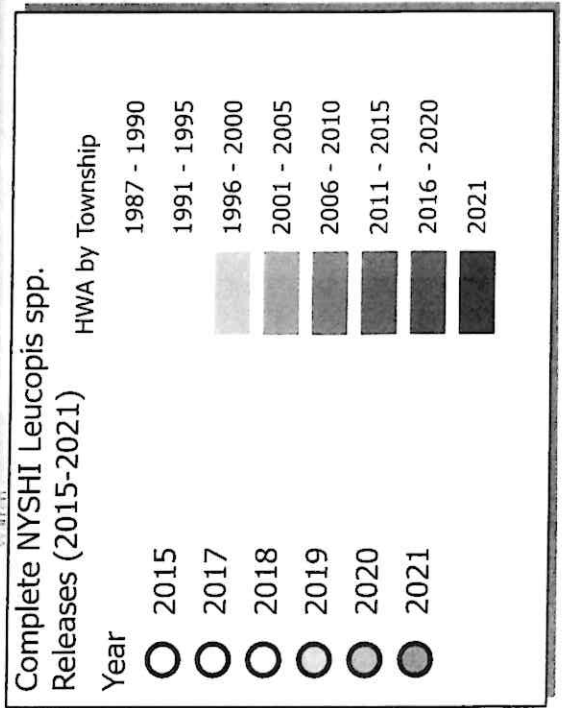
- Crandall, R. S., C. S. Jubb, A. E. Mayfield, B. Thompson, T. J. McAvoy, S. M. Salom, and J. S. Elkinton. 2020. Rebound of *Adelges tsugae* spring generation following predation on overwintering generation ovisacs by the introduced predator *Laricobius nigrinus* in the eastern United States. *Biological Control*. 145: 104264.
- Dietschler, N. J., T. D. Bittner, R. T. Trotter, T. J. Fahey, and M. C. Whitmore. 2021. Biological Control of Hemlock Woolly Adelgid: Implications of Adult Emergence Patterns of Two *Leucopis* spp. (Diptera: Chamaemyiidae) and *Laricobius nigrinus* (Coleoptera: Derodontidae) Larval Drop. *Environmental Entomology*. 50: 803–813.
- Elkinton, J. S., R. T. Trotter, and A. F. Paradis. 2011. Simulations of population dynamics of hemlock woolly adelgid and potential impact of biological control agents. In: Onken, B.; Reardon, R. eds. Implementation and status of biological control of the hemlock woolly adelgid. FHTET-2011-04. Morgantown, WV: U.S. Department of Agriculture, Forest Service Forest Health Technology Enterprise Team: 15–24. Chapter 2. 15–24.
- Grubin, S. M., D. W. Ross, and K. F. Wallin. 2011. Prey Suitability and Phenology of *Leucopis* spp. (Diptera: Chamaemyiidae) Associated with Hemlock Woolly Adelgid (Hemiptera: Adelgidae) in the Pacific Northwest. *env. 40*: 1410–1416.
- Havill, N. P., S. D. Gaimari, and A. Caccone. 2018. Cryptic east-west divergence and molecular diagnostics for two species of silver flies (Diptera: Chamaemyiidae: *Leucopis*) from North America being evaluated for biological control of hemlock woolly adelgid. *Biological Control*. 121: 23–29.
- Kohler, G. R., V. L. Stiefel, K. F. Wallin, and D. W. Ross. 2008. Predators Associated with the Hemlock Woolly Adelgid (Hemiptera: Adelgidae) in the Pacific Northwest. *Environmental Entomology*. 37: 494–504.
- Kohler, G. R., K. F. Wallin, and D. W. Ross. 2016. Seasonal phenology and abundance of *Leucopis argenticollis*, *Leucopis piniperda* (Diptera: Chamaemyiidae), *Laricobius nigrinus* (Coleoptera: Derodontidae) and *Adelges tsugae* (Hemiptera: Adelgidae) in the Pacific Northwest USA. *Bulletin of Entomological Research*. 106: 546–550.
- Mausel, D. L., S. M. Salom, L. T. Kok, and G. A. Davis. 2010. Establishment of the Hemlock Woolly Adelgid Predator, *Laricobius nigrinus* (Coleoptera: Derodontidae), in the Eastern United States. *Environ Entomol*. 39: 440–448.
- Mausel, D. L., S. M. Salom, L. T. Kok, and J. G. Fidge. 2008. Propagation, Synchrony, and Impact of Introduced and Native *Laricobius* spp. (Coleoptera: Derodontidae) on Hemlock Woolly Adelgid in Virginia. *Environ Entomol*. 37: 1498–1507.
- Motley, K., N. P. Havill, A. L. Arsenault-Benoit, A. E. Mayfield, D. S. Ott, D. Ross, M. C. Whitmore, and K. F. Wallin. 2017. Feeding by *Leucopis argenticollis* and *Leucopis piniperda* (Diptera: Chamaemyiidae) from the western USA on *Adelges tsugae* (Hemiptera: Adelgidae) in the eastern USA. *Bulletin of Entomological Research*. 107: 699–704.
- Rose, A., D. W. Ross, N. P. Havill, K. Motley, and K. F. Wallin. 2020. Coexistence of three specialist predators of the hemlock woolly adelgid in the Pacific Northwest USA. *Bull. Entomol. Res.* 110: 303–308.
- Zilahi-Balogh, G., L. Humble, A. Lamb, S. Salom, and L. Kok. 2003. Seasonal abundance and synchrony between *Laricobius nigrinus* (Coleoptera: Derodontidae) and its prey, the hemlock woolly adelgid (Hemiptera: Adelgidae). *The Canadian Entomologist*. 135: 103–115.
- Zilahi-Balogh, G. M. G., S. M. Salom, and L. T. Kok. 2003. Development and reproductive biology of *Laricobius nigrinus*, a potential biological control agent of *Adelges tsugae*. *BioControl*. 48: 293–306.



Cornell
CALS
College of Agriculture
and Life Sciences

NYSHI
Biocontrol Releases
Leucopis spp.

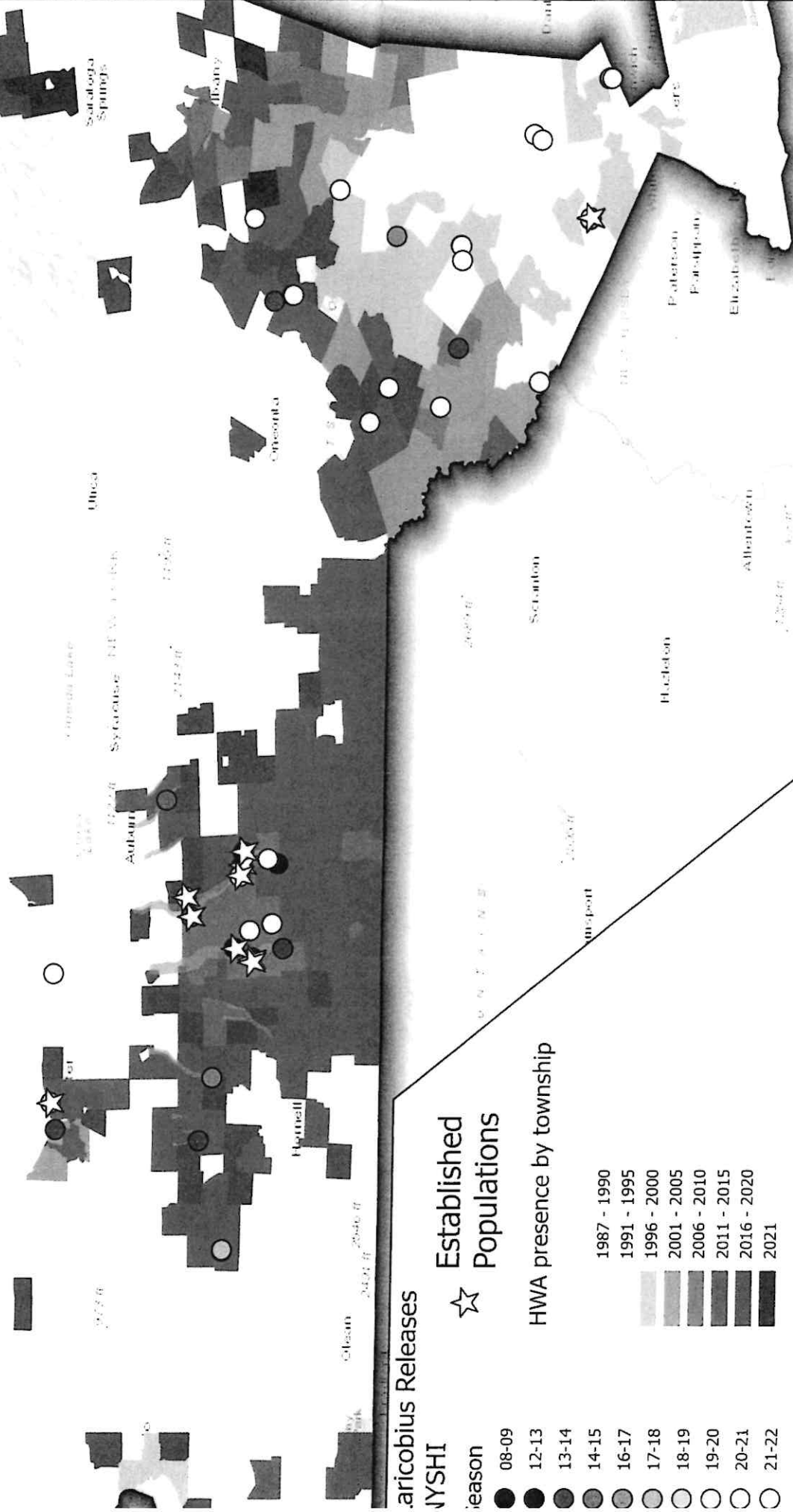
ESII, HERE, Garmili, FAO, USGS, NGA, EPA, NPS



NYSHI - Laricobius

HERE, Garmin, USGS, NGA, EPA, USDA, NPS, etc.

UNITED STATES



Hemlock Woolly Adelgid-Associated Requests

Submitted by: Joe Chairvolotti, Oswego County Soil and Water Conservation District

Date: 8/15/2022

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Attachments

1. Biocontrol Agent Informational Slides
2. *Laricobius* Release Map
3. Silver Fly Release Map
4. USDA Aphis Permit

Websites for More Information

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2. Biocontrol Release Info (NYS Hemlock Initiative Website):
<https://blogs.cornell.edu/nyshemlockinitiative/biocontrol-program/>

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Mark Whitmore	PERMIT NUMBER:	P526P-21-00588
ORGANIZATION:	Cornell University	APPLICATION NUMBER:	P526-211026-008
ADDRESS:	226 Mann Drive Fernow Hall, Room 106, Department of Natural Resources Ithaca, NY 14853	DATE ISSUED:	10/27/2021
MAILING ADDRESS:	226 Mann Drive Fernow Hall, Room 106, Department of Natural Resources Ithaca, NY 14853	EXPIRES:	02/04/2024
PHONE:	607-280-4064	FACILITY NUMBER:	4282
ALT. PHONE:		HAND CARRY:	Yes
EMAIL:	mcw42@cornell.edu	FACILITY ACCOUNT:	Cornell University
FAX:		RESEARCH CENTER:	Department of Natural Resources
		FACILITY NAME:	Cornell University
		FACILITY ADDRESS:	226 Mann Drive, Fernow Hall, Room 106 Ithaca, New York 14850
		FACILITY GPS:	
		MAIL ADDRESS:	226 Mann Drive Fernow Hall, Room 106, Department of Natural Resources Ithaca, New York 14850
		FACILITY CONTACT:	Mark Whitmore
		PHONE:	607-280-4064
		ALT. PHONE:	
		FAX:	
		EMAIL:	mcw42@cornell.edu

DESTINATION: 226 Mann Drive, Fernow Hall, Room 106, Ithaca, NY 14850

RELEASE: 226 Mann Drive, 106 Fernow Hall, Room 106, Department of Natural Resources, Ithaca, NY 14853, (County: all counties in New York State)

Under the conditions specified, this permit authorizes the following:

Regulated Article	Life Stage(s)	Intended Use	Shipment Origins	Originally Collected	Culture Designation
Laricobius nigrinus	Any	Release - Biocontrol	CA, ID, MT, OR, WA	Originally Collected from Within the Continental U.S.	
Leucopis argenticollis	Any	Release - Biocontrol	CA, ID, MT, OR, WA	Originally Collected from Within the Continental U.S.	culture for research and release
Leucopis piniperda	Any	Release - Biocontrol	CA, ID, MT, OR, WA	Originally Collected from Within the Continental U.S.	culture for research and release

PERMIT GUIDANCE

Permit Number P526P-21-00588

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.


Robert Pfannenstiel

DATE

10/27/2021

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

- 1) Importation, interstate movement, and environmental release of the listed regulated organisms that have been genetically engineered may require a different permit issued under regulations at 7 CFR part 340. Any unauthorized importation, interstate movement, or environmental release (including accidental release) of a regulated GE organism would be a violation of those regulations. Before moving genetically engineered organisms, contact APHIS Biotechnology Regulatory Services (BRS) at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>. If BRS does not require a permit, contact the Pest, Pathogen, and Biocontrol permit unit for further guidance at: pest.permits@usda.gov
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit DOES NOT fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.


PERMIT CONDITIONS

USDA-APHIS issues this permit to Dr. Mark Whitmore, Cornell University, 226 Mann Drive, 106 Fernow Hall, Dept. of Natural Resources, Ithaca, NY 14850. This permit authorizes the interstate movement of any life stages of *Leucopis argenticollis* and *Leucopis piniperda* (Diptera: Chamaemyiidae), and *Laricobius nigrinus*, predators associated with hemlock wooly adelgid, from California, Idaho, Montana, Oregon and Washington, to the permit holder, Dr. Mark Whitmore, Cornell University, to be delivered into the APHIS approved containment facility (CF 4282) at 6126 Comstock Hall, Garden Avenue, Ithaca, NY 14853-0901, for laboratory, greenhouse and field research at that address, or elsewhere in the State of New York.

The transported material is authorized to contain live life stages of western hemlock wooly adelgid, *Adelges tsugae*, and non-propagative west-origin host plant parts (leaves, short branches of hemlock), to be handled according to the specific conditions below.

This permit authorizes the possession and culture/rearing of *Leucopis argenticollis*, *Leucopis piniperda*, and *Laricobius nigrinus*, received under this permit for research and eventual release at Cornell University, 226 Mann Drive, 106 Fernow Hall, Dept. of Natural Resources, Ithaca, NY 14850, subject to the conditions below.

Permit Number P526P-21-00588

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;">  Robert Pfannenstiel </p>	<p>DATE</p> <p style="text-align: center;">10/27/2021</p>
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WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

1. • This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
- The permit number or a copy of the permit must accompany the shipment.
- You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
- You are legally responsible for complying with all permit requirements and permit conditions.
- If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
- Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

2. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials/organisms are received, handled, and released,
- take appropriate precautions to release regulated materials/organisms only at intended release sites,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms.

Permit Number P526P-21-00588

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Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@usda.gov within one business day of the event triggering a notification.

3. All packages for transport must minimally consist of both inner/primary and outer/secondary packages securely sealed so that both are effective barriers to escape or unauthorized dissemination of the listed materials/organisms. The inner/primary package(s) will contain all regulated materials/organisms and must be cushioned and sealed in such a way that it remains sealed during shock, impact, and pressure changes that may occur. The outer/secondary shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.
4. Receipt of Regulated organisms:

This permit authorizes the interstate movement of immature and adult life stages of *Leucopis argenticollis*, *Leucopis piniperda*, and *Laricobius nigrinus* from Oregon State University, 321 Richardson Hall, Corvallis, Oregon 97331, or directly field collected from California, Idaho, Montana, Oregon, or Washington.

This permit authorizes interstate movement of containers of Regulated Articles that contain live prey stages, plant parts or debris, or other biological material. The permit holder must use an effective means to eliminate from the received material western hemlock wooly adelgid hosts or transfer regulated articles to lab/eastern-sourced host material (e.g., eastern HWA) as soon as feasible. In addition, other species, plant parts, soil and general debris, etc. shall be removed from the incoming material as soon as practical. All western host substrate and extraneous material shall be autoclaved before being disposed of in the municipal waste stream.


Only secondary containers and packing materials suitable for re-use (such as coolers and icepacks) may be reused, and only after sterilization by autoclave, or with bleach or alcohol, etc., as per protocols established in the SOP's for this facility.

5. Live regulated organisms authorized for import under this permit are to be maintained only in the laboratory area approved for containment at the address indicated under the "Authorizations" above on this permit (CF 4282).

Any distribution or other removal of live organisms regulated under this permit from the designated area of Containment Facility 4282 requires a separate prior authorization from APHIS PPQ, that is, a separate PPQ 526 permit from USDA APHIS, or amendment to this permit.

All life stages of regulated organisms authorized for receipt and culture/curation under this permit must be effectively devitalized prior to removal following laboratory protocol, including by autoclave or preservation in alcohol EXCEPT AS DESCRIBED HERE-IN:

Permit Number P526P-21-00588

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Upon rearing through to the adult stage, live *Leucopis argenticollis*, *Leucopis piniperda*, and *Laricobius nigrinus*, received under this permit MAY BE REMOVED from this containment facility subsequent to the verification of the identity of individuals or the discrete colony from which they originated by a qualified person sufficiently familiar with this species or taxonomic group through direct examination or comparison to reference specimens determined by such an expert. This allowance is for these taxa exclusively.

Voucher specimens from each cohort of material received (i.e., separate collection batches, or widely separate locations) shall be retained and made available to USDA APHIS upon request.

6. All operations must be consistent with information submitted in association with this Containment Facility (CF 4282) including the most recent Standard Operating Procedures (SOP's) submitted for the Facility, and any information submitted in association with the inspection of this Containment Facility. This includes, minimally, maintenance of restricted access to unauthorized persons of building and or approved containment areas (key, key card or code), and/or restricted access to unauthorized persons of growth chambers and other equipment (for example by lock) where organisms will be kept, as well as proper/prescribed maintenance of the Autoclave and/or other equipment used to devitalize or sterilize waste.

The permit holder must insure that all persons working with these regulated organisms


- a) are trained in the importance of approved containment practices;
- b) follow the Standard Operating Procedures (SOP) established for the facility and filed with the USDA APHIS Pest Permit Evaluation Unit at the time of facility inspection; and
- c) are informed of these permit conditions and understand the requirement to adhere to these conditions and the SOP.

The permit holder shall document such training or familiarization with these permit conditions and the SOP's for the facility, by having copies of both dated and signed/initialed by all persons handling the regulated articles, and have such documentation made available to USDA APHIS upon request.

7. The permit holder shall document and retain records of all releases, and make them available to USDA APHIS upon request.
8. There is to be no further movement or distribution of the listed regulated materials/organisms within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such materials/organisms.

END OF PERMIT CONDITIONS

Permit Number P526P-21-00588

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