



VS Aquaculture Health Program Updates



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FY24 AQ Program Status

Initiatives & Projects

Grants & Cooperative Agreements

Budget & Other News

VS Aquaculture Health Program *Initiatives and Projects*

Declarations of Freedom

Comprehensive Aquaculture Health Program Standards

Risk Assessments

NLRAD Listings

Trade updates

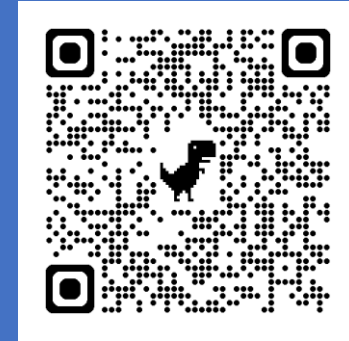
Training, education and outreach



2024
WOAHA Listed Pathogens



2024
APHIS NLRAD



State regulations for the domestic
movement of aquatic animals
(aquaculture resources map)

When known provides state listed
reportable aquatic animal
pathogens.



Declarations of Freedom

Pathogens

- 3 salmonid pathogens – EHNV, SAV and *G. salaris*
- 3 mollusk pathogens – *M. refringens*, *P. olseni*, and *M. chungmuensis*
- “Presumed freedom” status for several others
 - DIV1, TS, YHV1, MrNV, EHP, IMNV, NHP, and Abalone Herpesvirus

Process

- WOAHA Guidance (AQ Code Ch. 1.4) for country and regional freedom claims
- Data for review:
 - Anonymized and aggregate data from partners
 - Basic biosecurity conditions (state and federal)
 - USFWS Fish Health database review
 - Susceptible species distribution
 - Export health certificates
 - Pathogen reports (NAHRS)
- Annual review to maintain claims

Impact

- Reduce burden of pre-export/movement health testing of healthy animals
- Transparency of status
- Smarter testing options
- Allows regionalization
- Supports import restrictions
 - Country and regional levels

Information

- Aquatic animal health reviews webpage
- Map of freedom areas
- State regs map



- APHIS Aquatic Animal Health Status Reviews Webpage
 - Pending release (~ November 2024)
 - Freedom map (~January 2025)
- Presumed freedom pathogens
 - Initiate data calls and data review for declaration
- We NEED YOUR HELP!
 - Connect with state natural resource agencies to coordinate and collaborate on reporting of detections
 - Review language of your state for aquatic animal health requirements
 - Is the State Map information accurate?
 - Opportunity to improve statute language?
 - Report all detections of WOA/NLRAD listed pathogens to AVIC
- Have questions? Help or chat?
 - Kathleen.H.Hartman@usda.gov, or,
 - VS.SP.ASEP.Aquaculture@usda.gov

APHIS Veterinary Services conducts annual reviews to determine the health status of select aquatic animal pathogens of concern for the United States or regions within the United States.



List of Aquatic Animal Health Status Reviews

These reviews are based on the World Organisation for Animal Health (WOAH) criteria as specified in [Chapter 1.4, Aquatic Animal Disease Surveillance of the WOAH Aquatic Code](#)¹⁹. Data to support these reviews include annually aggregated pathogen testing data collected using a collaborative process with private and public partners, as well as regulations, competencies, and oversight that together ensure the maintenance of basic biosecurity conditions.

The table below indicates the animal health status for a given aquatic animal pathogen of concern as determined by APHIS Veterinary Services.

Search for a specific commodity, pathogen, or term using the search box. You can also sort results using the arrows at the top of each column.

For more details about the review and disease freedom declarations for a given pathogen or other terms used on this page, view the [Glossary of Terms](#).⁴

Search by commodity, pathogen, or keyword

Pathogen of Concern	Commodity	Scope	Freedom Status	Year Review Initiated	Current Annual Report
Epizootic hematopoietic necrosis virus (EHNV)	Fish	Country	Maintenance	2023	2024 Final Report: Freedom From EHNV [link to PDF]
Salmonid alphavirus (SAV)	Fish	Country	Maintenance	2023	2024 Final Report: Freedom From SAV [link to PDF]
Gyrodactylus salaris	Fish	Country	Maintenance	2023	2024 Final Report: Freedom From G. Salaris [link to PDF]
Marteilia refringens	Mollusks	Country	Review in Progress	2023	In clearance
Perkinsus olseni	Mollusks	Country	Review in Progress	2023	In clearance
Marteilioides chungmuensis	Mollusks	Country	Review in Progress	2023	In clearance

Showing 1 to 6 of 6 entries

Previous **1** Next

Provisional Freedom

APHIS designates provisional freedom status for the following pathogens of concern. For these pathogens, we have not officially evaluated freedom. However, an absence of reports suggests the pathogen is not present at the country level:

- Crustaceans
 - Decapod iridescent virus-1 (DIV-1)
 - Taura syndrome virus (TSV)
 - Yellowhead virus-1 (YHV-1)
 - Enterocytozoon hepatopenaei (EHP)
- Mollusks
 - Abalone herpesvirus
 - Necrotizing hepatopancreatitis (NHP)
 - Macrobrachium rosenbergii nodavirus (white tail disease)
 - Infectious myonecrosis virus (IMNV)

Questions?

This is placeholder text for contact information.

Related Links

[Aquaculture Health](#)

[Aquatic Animal Export Resources](#)

[Importing Fish, Fertilized Eggs, and Gametes into the United States](#)



- Risk-based Valuation of Surveillance Data in Open Environments: Application to a Key Shellfish Aquaculture Production Region

- Accepted at JWAS

- Collaborators:

- APHIS VS
- AquaTechnics, Inc.
- Shellfish Disease Expert Panel
 - David Bushek (Rutgers)
 - Ryan Carnegie (VIMS)
 - Cem Giray (Kennebec River Biosciences)
 - Ted Meyers (Alaska Fish and Game)
- WA Department of Fish and Game





CAHPS Status



CAHPS App

- OMB approval for information collection for CAHPS participants

Rule-making

- Fingers crossed for 2025!

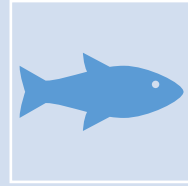
Moving Forward

- Interested farms?
 - Assemble aquatic animal health team
 - Identify pathogens of concern
 - Implement EDS
 - Develop surveillance plan

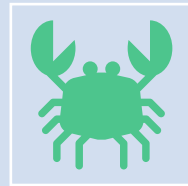


NAHMS & Risk Assessments

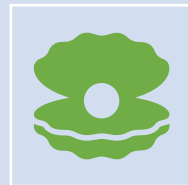
In progress



Salmonid pathways assessment



Crustacean pathways assessment
Shrimp needs assessment

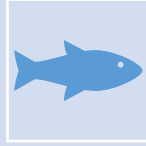


Mollusk outreach and needs assessment

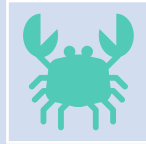


2025 NLRAD

Tentative changes to listed Aquatic Animal Pathogens



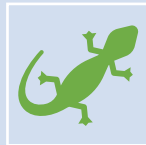
No projected changes



A. astaci moved to monitored



P. marinus moved to notifiable



No changes



Trade Updates

Expanding market access

16 NEW markets since Sept '23!



- Brazil
 - Tilapia
- Chile – ornamental aquatic animals
- China
 - Amphibians (research)
 - Aquatic worms (research)
 - Fish (research)
- Fiji – Crustaceans
- Israel
 - Bass
- Mexico
 - Mollusks
 - Salmonid eggs
 - Tilapia
- Montenegro
 - Aquatic animals
- Peru –
 - Artemia (brine shrimp)
 - Ornamental aquatic animals
 - Polychaetes (marine worms)
 - Salmonid eggs & gametes
- Spain – Aquatic worms



Training, Outreach & Education

Training events

- Internal
- External

Outreach

- U.S. Aquaculture: Homegrown & Healthy

Education

- CAHPS pillars and related activities



Grants & Cooperative Agreements

NADPRP

- 2022
 - 1 AQ project
- 2024
 - 5 AQ projects

Cooperative Agreements

- Fish (e.g., 20 yr ISAV review)
- Mollusk (e.g., NE pathogen surveillance)
- Diagnostics

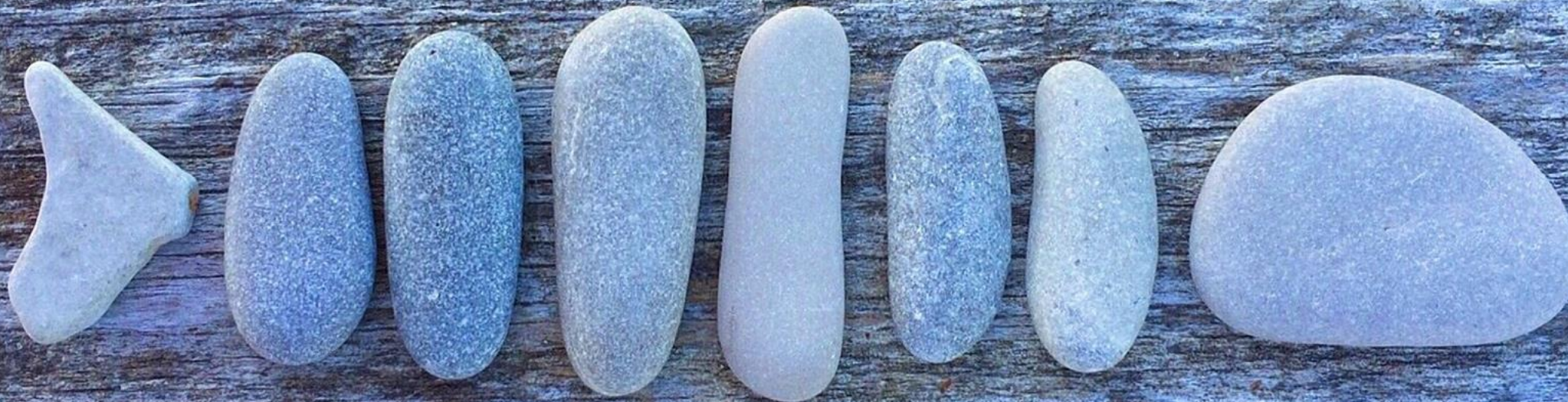


Budget & Other News

FY25 Budget

New hires to VS AQ Team

New federal agency plan for aquatic animal health



THANK YOU!

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