

# Atlantic Salmon Regulations in USFWS:



## Title 50 Program

### Building Capacity of Land Based Atlantic Salmon Aquaculture in the U.S. 2019 Workshop Washburn, WI December 11, 2019

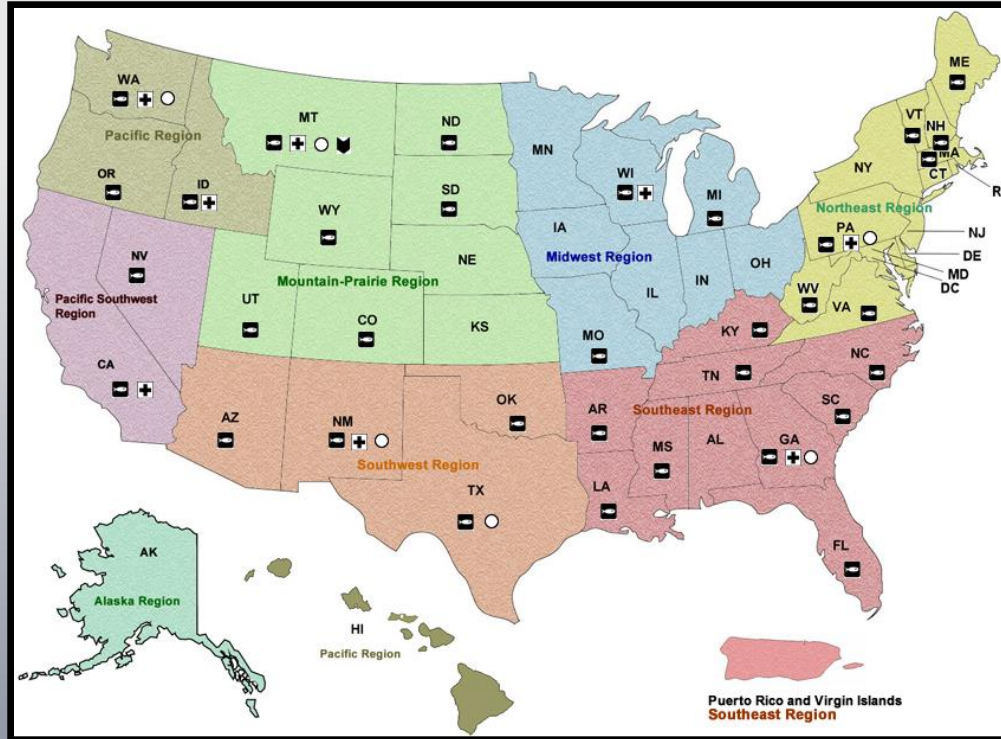


**Dr. Joel Bader**  
**National Coordinator**  
**Aquatic Animal Health, Aquaculture and**  
**Technology**  
**Joel\_bader@fws.gov**  
**U.S. Fish and Wildlife Service**  
**Fish and Aquatic Conservation Program**  
**Headquarters**  
**Falls Church, VA**



# USFWS Division of Fish and Aquatic Conservation (FAC)

## Branch of Hatchery Operations and Applied Sciences



National Hatchery System

70 production facilities (National Hatchery System),  
13 Applied Science Centers (Fish Health and Fish Technology), and  
most Aquaculture programs

# **USFWS Programs which Support U.S. Aquaculture**

**Aquatic Animal Drug Approval Partnership=New Aquaculture Drugs**

**6 Fish Health Centers=Vet Labs**

**7 Fish Technology Centers=Aquatic Animal Culture**

**Fish Feed Quality Control Program=Feed Evaluation**

**National Wild Fish Health Survey=USA AAH Status**

**National Triploid Grass Carp Certification and Inspection  
Program=Sterile Fish for Biological Vegetation Control**

**Title 50 Program=Salmonid Import Regulations**

# Title 50 (50 CFR 16.13) Program





# Title 50 (50 CFR 16.13) Program

## Regulation



# Title 50 (50 CFR 16.13) Program

**Regulation**

**Program Overview**



# Title 50 (50 CFR 16.13) Program

**Regulation**

**Program Overview**

**Requirements and Process**



# Title 50 (50 CFR 16.13) Program

**Regulation**

**Program Overview**

**Requirements and Process**

**Present Status of Program**





# Title 50 (50 CFR 16.13) Program

**Regulation**

**Program Overview**

**Requirements and Process**

**Present Status of Program**

**Improving efficiency**



# Title 50 (50 CFR 16.13) Program

**Regulation**

**Program Overview**

**Requirements and Process**

**Present Status of Program**

**Improving Efficiency**

**Future of T50**



# Title 50 (50 CFR 16.13) Program

**Regulation**

**Program Overview**

**Requirements and Process**

**Present Status of Program**

**Improving Efficiency**

**Future of T50**

**Questions?**



# Title 50



- The regulations deem Salmonid fish (family Salmonidae) injurious because they pose risks to the wildlife of the United States based on pathogens they can carry.
- The USFWS therefore regulates Aquaculture to directly protect USA Wildlife and indirectly protect the USA aquaculture industry.

- The Lacey Act gives the USFWS authority to prohibit wildlife deemed injurious to the wildlife of the United States and to establish injurious wildlife regulations.
- Salmonid Import Health Regulations (sometimes called T50) are in 50 CFR part 16.13 of the injurious species regulations of the Lacey Act.





# Salmonid Import Health Regulations

- Imports of **Dead unviscerated salmonid carcasses, live salmonid fish, and their gametes** are prohibited entry into the United States for any purpose **except by direct shipment accompanied by a health certificate.**
- The **health certificate** must include test results and be signed by a **T50 Signing Official** in the country which the shipment originates.
- 50 CFR 16.13 requires testing for four **specific viral pathogens**:
  - o **Oncorhynchus Masou Virus (OMV);**
  - o **Viral Hemorrhagic Septicemia Virus (VHSV);**
  - o **Infectious Hematopoietic Necrosis Virus (IHNV);**
  - o **Infectious Pancreatic Necrosis Virus (IPNV).**



# Salmonid Import Health Regulations: Size and Testing Methods

Sample sizes and testing methods described in 50 CFR 16.13:

- Testing is **Lot-based**
- The minimum sample number must provides **95% confidence** that at least one fish, with a detectable level of infection, will be collected, and will be present in the sample.
- Testing by **cell culture methods only**, followed by isolation and viral identification. **No molecular methods** are included.
- Tests **must be performed no more than 6 months prior to import date.**



# Program Overview: Signing Official Application Form



The image shows a sample of the Title 50 Certifying Official Form (FWS Form 3-2273). The form is white with black text and features two official seals: the U.S. Department of the Interior seal on the left and the U.S. Fish and Wildlife Service seal on the right. The form is titled "Title 50 Certifying Official Form" and includes a subtitle "(For use by new applicants and those seeking recertification)". Below the title, there are four labeled input fields: "Name & Professional Degrees:", "Position Title:", "Current Place of Employment:", and "Address:". Each field is represented by a light blue rectangular box. The form is set against a light gray background and is enclosed within a large red oval.

FWS Form 3-2273 (Rev. 10/2017)  
U.S. Fish and Wildlife Service

OMB Control. No. 1018-0078  
Expiration Date: 07/31/2020

**Title 50 Certifying Official Form**  
(For use by new applicants and those seeking recertification)

Name & Professional Degrees:

Position Title:

Current Place of Employment:

Address:

**Title 50 Signing Official  
FWS 3-2273**

**Both renewal and new Official** -Approved by Director or Director designate on recommendation of National Coordinator (program Lead).

# Program Overview: USFWS Signing Officials

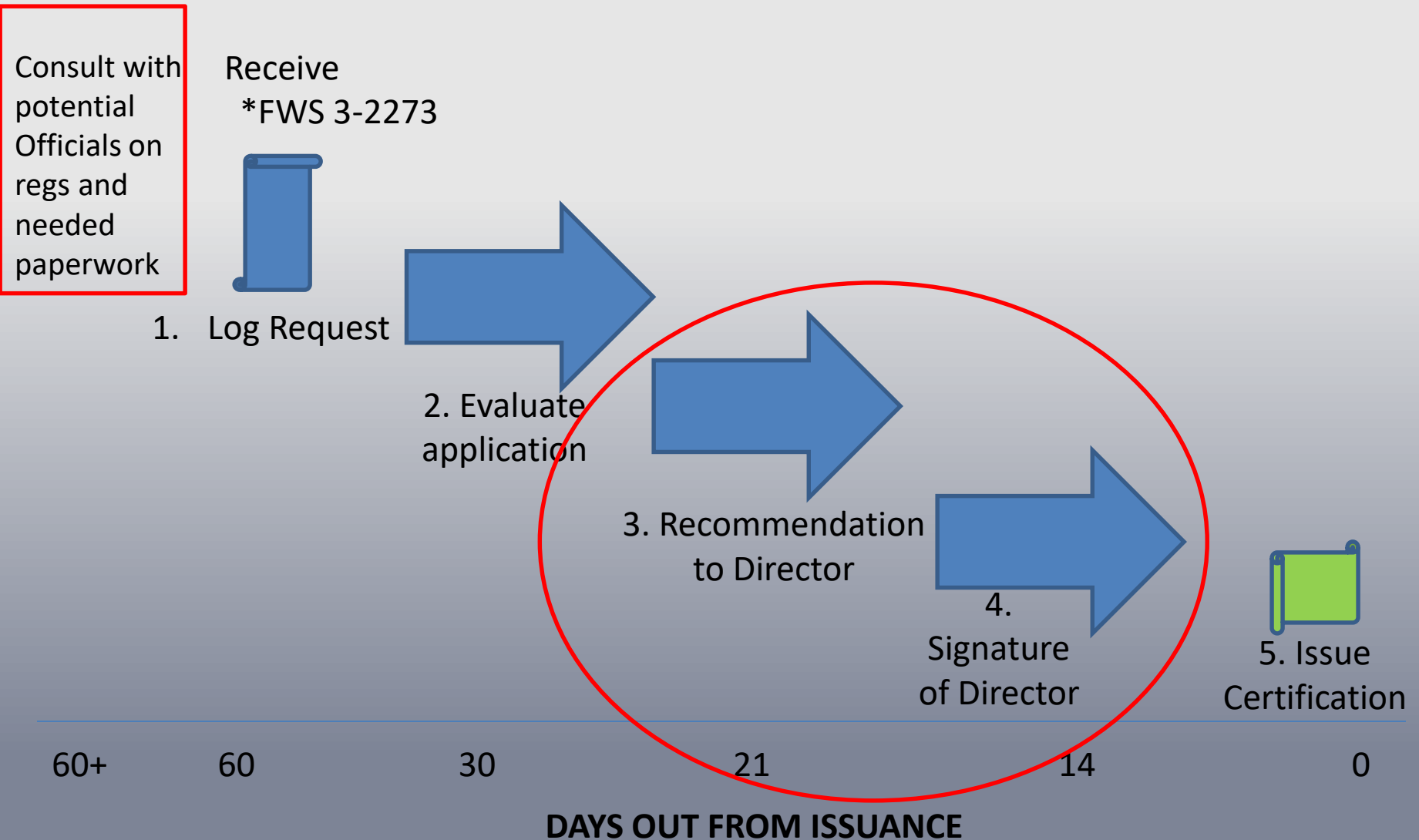
## Signing officials:

- T50 regulations require that a Certified Service Signing Official\* in the country of origin sign a health certificate.
- Any individual can apply to become a signing official. They will be evaluated based on their qualifications in aquatic animal health and fish pathology. Successful applicants typically hold degrees in Veterinary medicine, fish pathology or fish health and have experience in testing and diagnosing aquatic animal diseases.
- Certifying officials retain their status for 5 years from the date of being granted an official.
- The Service does not certify laboratories.

\*Note: There are T50 signing officials in the USA which travel to the country of origin, i.e.. Canada, to perform diagnostic testing for clients there. These officials sign and notarize forms in the country of origin.



# Signing Official Certification: Process and Timelines



\*FWS 3-2273=Signing Official Certification

# Program Overview: Types of Imports


## 3 Types of Imports :

- **Gametes** (Eggs and Milt)-Approval by National Coordinator (Program Lead)
  - Rationale: **Low Risk**
  - Eggs must be **disinfected prior to import**
- **Live Fish** -Approval by Director or designate
  - Rationale: **Higher Risk**
  - Fish cannot be disinfected prior to import.
- **Dead Uneviscerated Fish Carcasses.**
  - Approval by National Coordinator (Program Lead) Rationale:
  - Rationale: **Low Risk**
  - Exempt: **Sport Fishing Take**

# Program Overview: Required Forms

Form 3-2275 (Rev. 02/2017)  
U.S. Fish and Wildlife Service

OMB Control No. 1018-0078  
Expiration Date: 07/31/2020

 **Title 50 Importation Request Form**

(Approvals will only be granted upon receipt of a valid Title 50 Health Certification and after consultations with the State resource agency of the state receiving the eggs or animals).



Company/Agency Receiving Animals or Eggs: \_\_\_\_\_

Name of Facility to Receive Animals or Eggs: \_\_\_\_\_


Address of Facility: \_\_\_\_\_


Import Request:  
Number: \_\_\_\_\_ Life Stage: \_\_\_\_\_ Species: \_\_\_\_\_

**Fish import Request  
FWS 3-2275**

FWS Form 3-2274 (Rev. 10/2017)  
U.S. Fish and Wildlife Service

OMB Control No. 1018-00078  
Expiration Date: 07/31/2020

 **U.S. TITLE 50 CERTIFICATION FORM**  
(To be filled out by the Aquatic Animal Health Inspector)



I, \_\_\_\_\_, designated by the Director of the U.S. Fish and Wildlife Service on \_\_\_\_\_  
Certifying Official's Name

\_\_\_\_\_, as required by Title 50, CFR 16.13, do hereby certify the following:  
Date of Most Recent Certification

1) The fish lot(s) of origin for this shipment of up to a maximum of up to \_\_\_\_\_

\_\_\_\_\_  
List Numbers, Life Stage (Eggs or Fish), and species for This Shipment That Are Covered By This Inspection

were most recently sampled at \_\_\_\_\_ on \_\_\_\_\_  
Site of Sample Collection (Name and Address)

**T50 Certification Form  
FWS 3-2274**

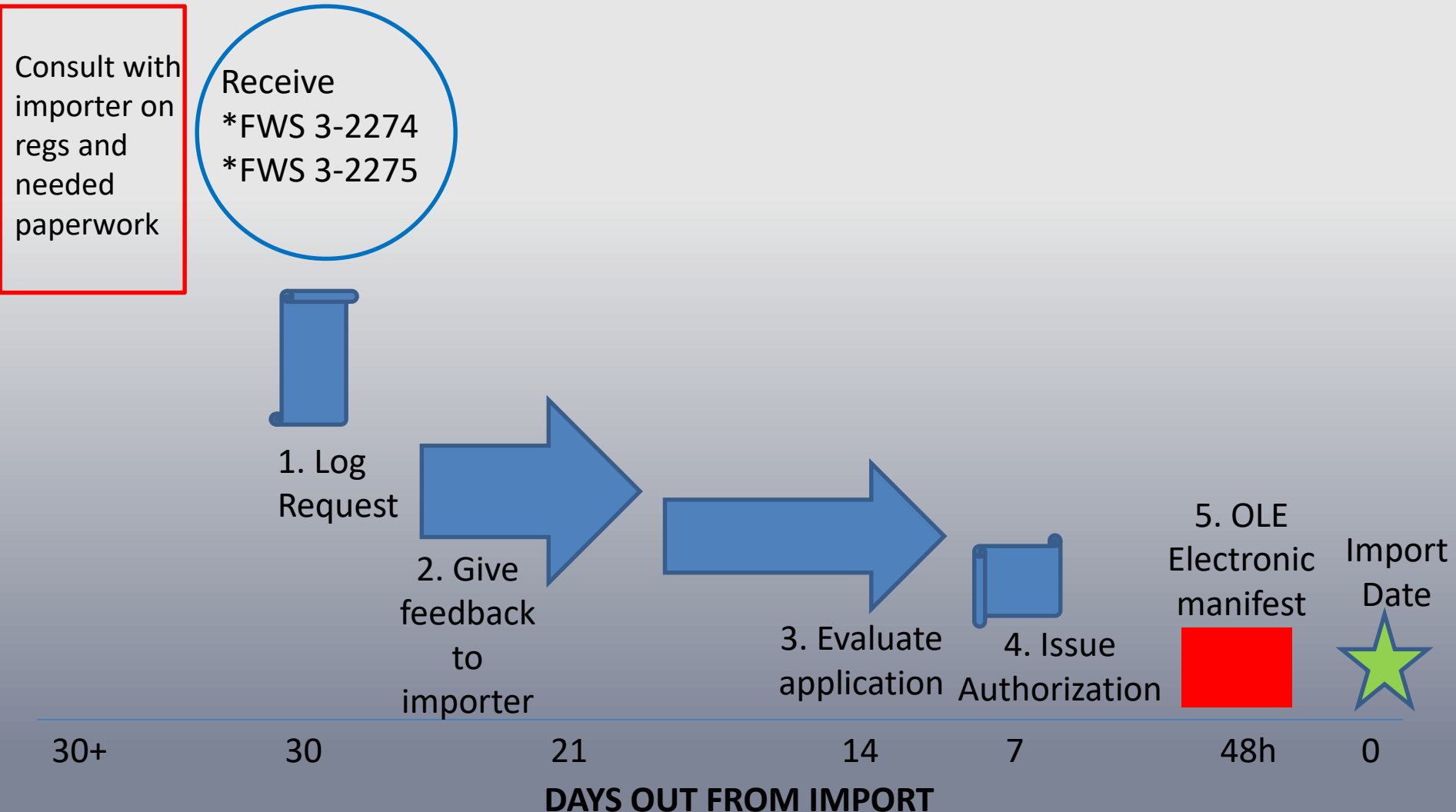
# Program Overview: Additional Points

- The importer must file a USFWS Office of Law Enforcement (USFWS OLE) **manifest** online (FWS Form 3-177, <https://edecs.fws.gov/>) **48 h in advance** of the shipment. This requires an **import/export license number** which is available through **USFWS OLE**.
- In some special circumstances (Convention on International Trade in Endangered Species=**CITES**) a permit is required to import. Importer must obtain that from USFWS Office of Management Authority in Division of International Affairs.
- Importers are obligated to **Obey All State Regulations**.
- **ALL eggs** must be **disinfected with an iodophore** prior to import.





# Import of Gametes and carcasses: Process and Timelines



# Import of Live Fish: Process and Timelines

Consult with importer on regs and needed paperwork

Receive  
\*FWS 3-2274  
\*FWS 3-2275

1. Log Request

2. Give feedback to importer

3. Evaluate application and send recommendation to Director

4. Director's signature  
5. Issue Authorization

6. OLE Electronic manifest

Import Date

30+

30

21

14

7

48 h

0

DAYS OUT FROM IMPORT

\*FWS 3-2274= Health Certificate

\*FWS 3-2275= Import Request

# What To Carry with Import:

- ✓ Copy of Authorization
- ✓ Copy of OLE Manifest
- ✓ State Import Papers (if needed)
- ✓ CITES Permit (if needed)

# Present Status of Program

## **T50 Signing Officials:**

### **Certified in Last 12 months:**

3 new Individuals, 1 renewal

### **Total Number and Origin of Signing Officials:**

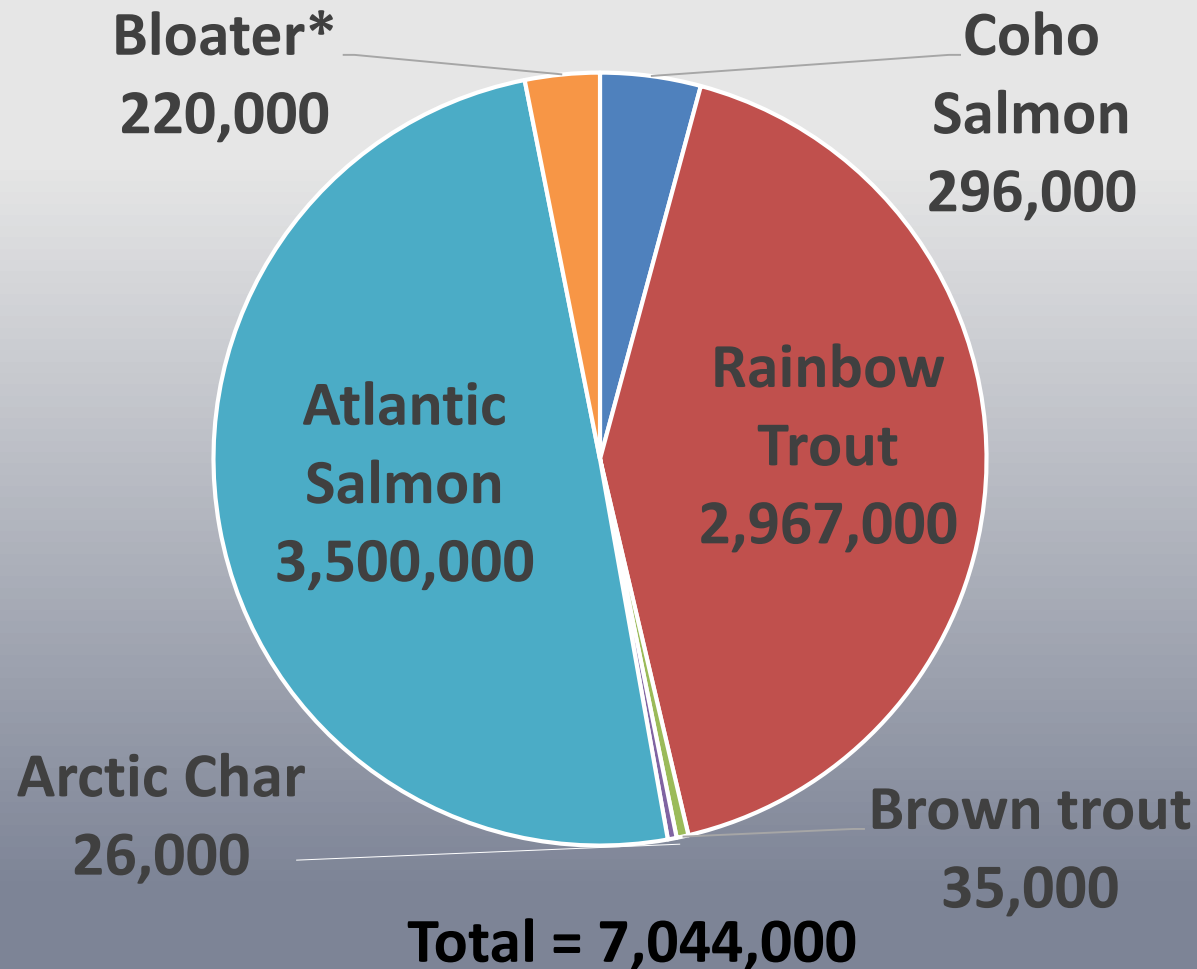
25 Signing officials in 10 countries, USA, CA, DM,  
FN, IC, UKS, UKIM, UKW, NI, NO

**Backgrounds:** Veterinarians (State and Private), PhDs, Fish Pathologists, Fish Health Inspectors and Fish Health Biologists

Columnaris Disease Chinook Gill



# Salmonid Imports by Species in 2019

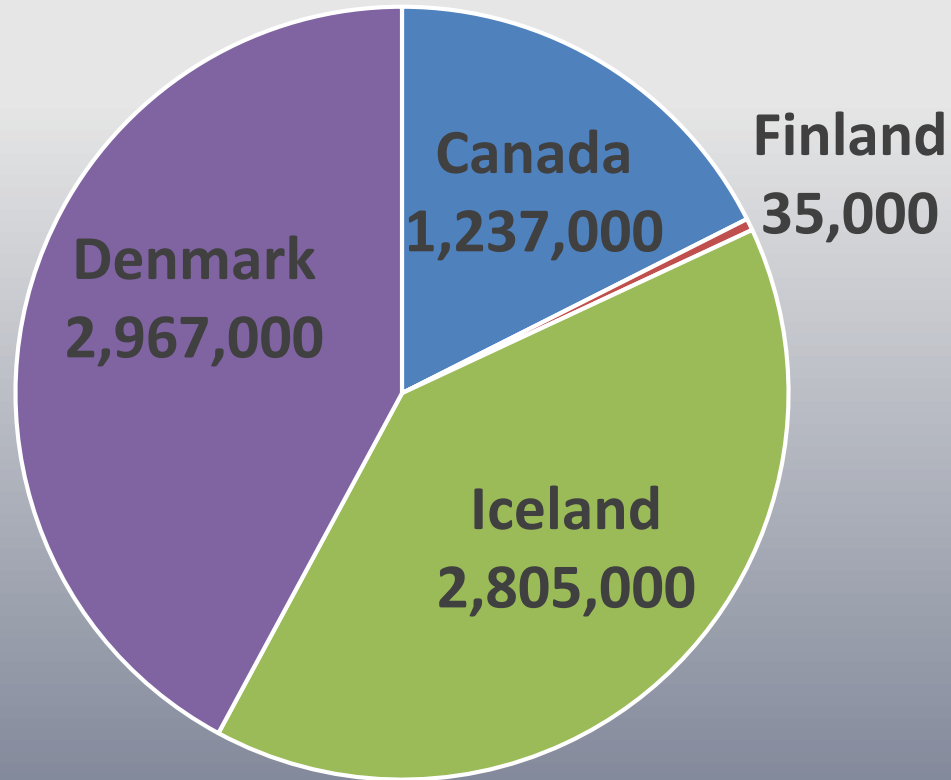


\*Coregonus hoyi

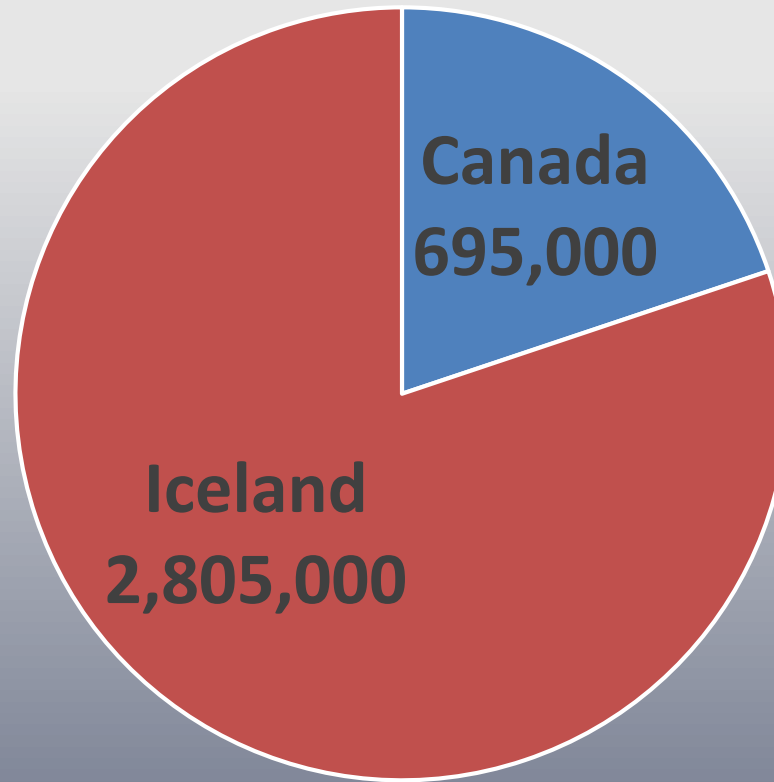
N=38



# Imports Numbers by Country in 2019



# Atlantic Salmon Imports by Country for 2019



**Total =3,500,000**

# Recent Efforts to Improving Efficiency

1. Provided a [Forms Online](#) as pdf.
2. Will Provide a [Web-based Q and A](#) for our partners.
3. Will Provide Public a [Webpage of Signing Officials](#) by Country.
4. [Live Fish Authorizations](#) can also be signed by [Director's Designee](#).
5. [Better Tracking](#) of import requests with a database.
6. Managed for [Quicker Turn Around Times](#). 60+ days down to 30 days

# Future of T50

**Program will continue to be  
successfully implemented to  
protect the fisheries resources and  
aquaculture industry in USA**



# Questions?



Wild Lahontan Cutthroat



Brown Trout



Sea Run Atlantic Salmon