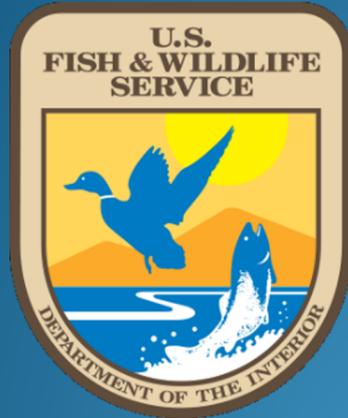


U.S. Fish and Wildlife Service Updates



Joanne M. Grady
Barak Shemai
Theresa A. Thom, Ph.D.

100th Meridian Columbia River Basin Team Meeting
December 3, 2020

Our Adventure Today:

- National Updates
- Funding Updates –2020 into 2021
- Regional Updates
 - Hatchery Monitoring
 - Horizon Scanning
- HACCP training
- Contact us!



National Updates

- Federal interagency MOU on rapid response to invasive mussels in western waters - DOI, USFS, and USACE (NOV 18, 2020).
- Final report of Safeguarding the West (NOV 10)
Look forward to transitioning focus to collective implementation of QZAP 2.0.
- DOI's Invasive Species Strategic Plan

National Updates

- Inter-Agency Agreement (5 years)
 - Funding for Watercraft Inspection and Decon classes (PSMFC) and western Watercraft Inspection and Decon database (CPW)
 - Signatories – Lead: FWS
 - BLM, BOR, NPS
 - Goal of \$250K annually across 4 bureaus
 - Anticipated awards end of Fiscal Years

Funding Updates – FY2020

- State ANS Plan Grants (all regions)
 - Funding opportunity F20AS00034 – awarded in Sept. 2020
 - Grant Solutions financial assistance platform
 - Increased for 2020 (~\$90,000 per applicant)
- QZAP funds (Region 2)
 - Funding opportunity posted in Aug. / closed Oct. 18
 - Increased to \$2.0M for 2020
 - Containment, prevention, outreach, early detection, research
 - Award recommendations expected next week with financial awards being processed toward the end of January 2021
- 100th Meridian Initiative' funds (Region 6) Not in 2020

Funding Updates – FY2021

- FWS / USGS Science Support Partnership Projects
 - FY21 successful proposal with Sarah Converse with the WA Cooperative Fish & Wildlife Research Unit
 - (Rusty Crayfish and Flowering Rush) – optimizing AIS control and monitoring
- European Green Crab
 - FWS and USGS – Interagency Agreement starting in FY21
 - Focus on optimizing sampling for EGC – esp. in WA
- Continuing Resolution
 - Uncertain about FY21 funding

New Grants System



- Transparent, consistent, documented process.
- All DOI bureaus are transferring to this system.
 - live now – Fish & Wildlife Service
 - October 13, 2020 – National Park Service
 - December 7, 2020 – Bureau Indian Affairs, Bureau Land Management, Bureau Reclamation, U.S. Geological Survey

Regional Updates

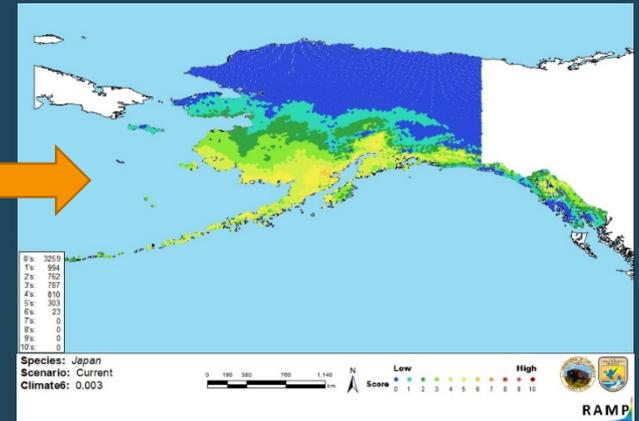
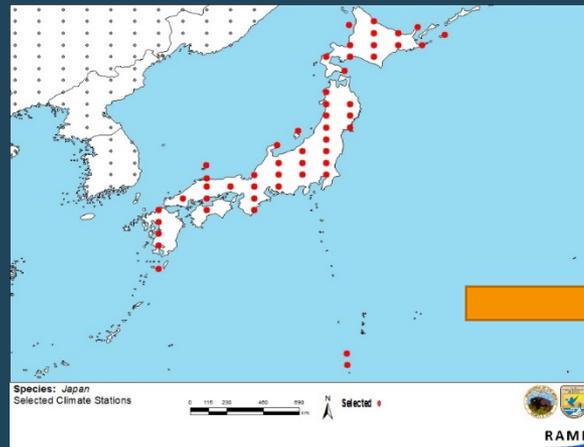
- Hatchery Monitoring
- Monthly inspections
- eDNA work to test for NZMS (2015-present)
- eDNA work to test for QZM (2017 – 2018)
- FY21 – eDNA for NZMS, QZM, northern pike, Asian carp
- Testing portable PCR unit for real-time eDNA sample processing at NFHs in FY21

Regional Updates

- Horizon Scanning (NOV 18, 2020 kickoff)
 - Focused on Pacific Northwest
 - Goal is to identify future invasive species
 - Current climate matching and focus on pathways
 - Need input on geographic scope, taxa specificity (e.g. all fish vs. cyprinids only)
 - Email theresa_thom@fws.gov

Approach

1. Scope definition.
2. Identification of donor countries/ regions based on pathways and climate match.



Approach

1. Scope definition.
2. Identification of donor countries/ regions based on pathways and climate match.
3. Construction of species lists from donor location species occurrence data.
4. Risk screening.

www.fws.gov/fisheries/ans/species_erss.html

Summary of Active U.S. Horizon Scanning Efforts

Lead Agency/	U.S. Geological Survey	U.S. Fish and Wildlife Service	University of Florida	National Academy of Sciences/Texas Parks and Wildlife
Geographic Scope	National	Regional (multiple)	State of Florida	Northern Gulf Coast except Florida
Pathway Scope	Organisms in trade	Unintentional movement pathways	All	All
Taxonomic Scope	Freshwater and terrestrial vertebrates	Fresh- and brackish water vertebrates, macroinvertebrates, and/or plants	Aquatic and terrestrial vertebrates, invertebrates, and plants	Marine vertebrates, invertebrates, and parasites

HACCP - derailed by Covid19

- Trained most regional AIS Coordinators and NPS reps as instructors in 2019
- Internal funding in FWS and NPS to support HACCP classes
 - Had planned to hold 22 classes 2019-2021
- Next Steps TBD – future dates? Online?

Please contact us!



Theresa Thom
FWS – Region 1
Pacific Northwest
971-278-8029 (cell)
503-736-4722 (office)
theresa_thom@fws.gov

Joanne Grady
FWS – Region 6
Mountain Prairie Region
303-842-5268 (cell)
303-236-4519 (office)
joanne_grady@fws.gov

Barak Shemai
FWS – Region 2
Southwest Region
505-248-6593 (office)
505-366-9565 (cell)
barak_shemai@fws.gov