

U.S. Fish and Wildlife Service Updates



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100th Meridian Columbia River Basin Team Meeting
June 8-9, 2021

Our Adventure Today:

- National Updates
- Funding Updates
- 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).
 - Focus on implementation in FY21/FY22

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
 - Initiated in FY20

Funding Updates – FY2021

- QZAP funds (Region 2)
 - FY21 funds toward WID classes and WID database (interagency agreement)
 - Seaplane Risk Analysis – FY22 (F21AS00406) – Assess the risk of spreading AIS via seaplanes and develop measures to mitigate risk (closed June 4, 2021)
 - eDNA testing for zebra mussels on moss ball shipments

Funding Updates – FY2021

- State ANS Plan Grants (all regions)
 - Funding opportunity F21AS00436 – applications due June 15
 - Grant Solutions financial assistance platform
 - Increased for 2021 (~\$99,000 per applicant)
- QZAP funds (Region 2)
 - Funding opportunity posted now (funding announcement F21AS00441) closes June 15, 2021
 - Increased to \$2.25 Million in FY21 (\$2.0M for FY20)
 - Containment, prevention, outreach, early detection, research

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
 - Modeling will start during Summer FY2021
- European Green Crab
 - FWS and USGS – Interagency Agreement starting in FY21
 - Focus on optimizing sampling for EGC – esp. in WA

Grant Solutions



- Transparent, consistent, documented process.
- All DOI bureaus using Grant Solutions
 - Live now for DOI bureaus
 - Thank you for your patience during this transition!

Regional Updates

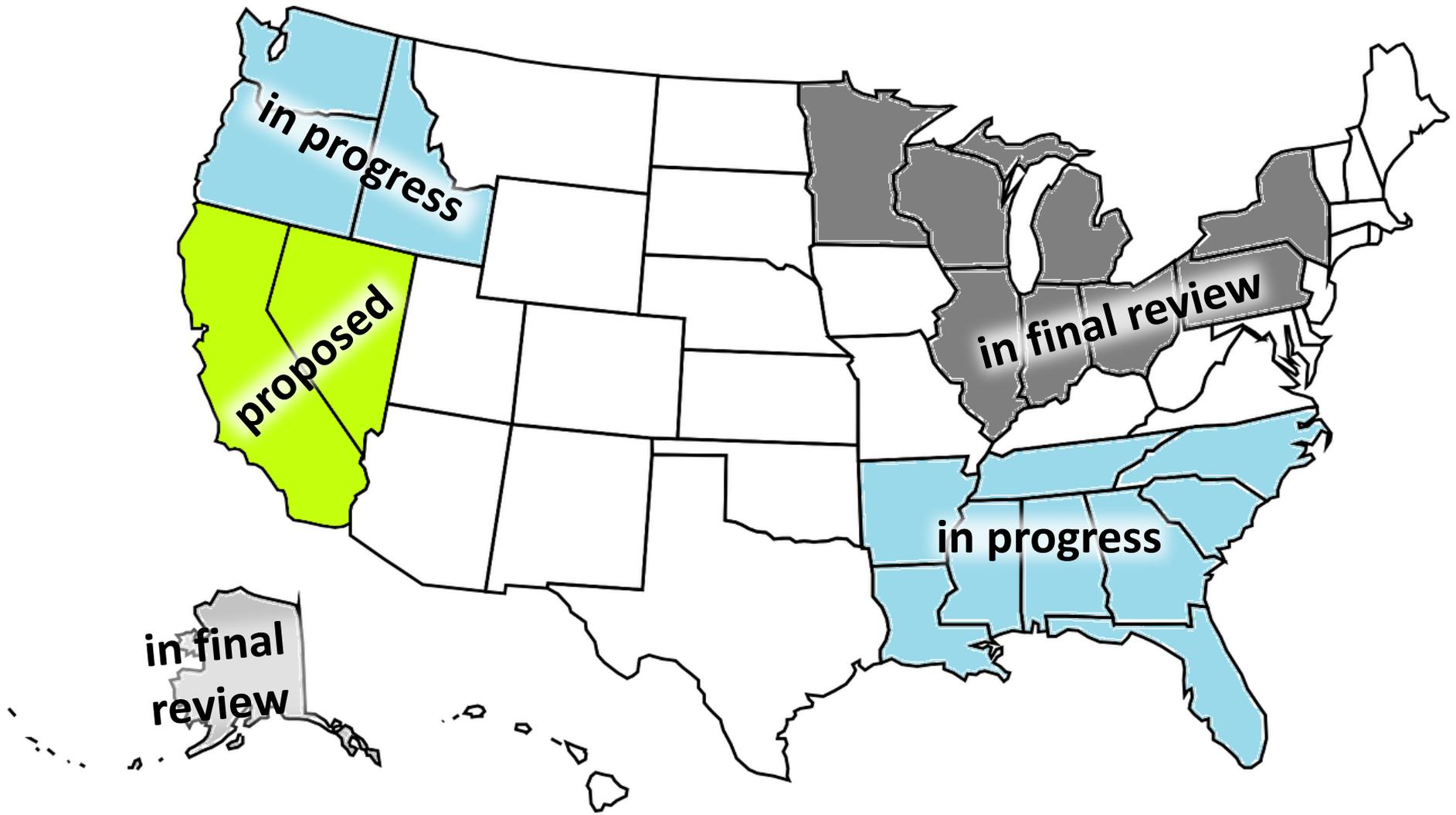
- Hatchery Monitoring
- Monthly inspections (Region 1 geography)
- eDNA work to test for NZMS (2015-present)
- eDNA work to test for QZM (2017 – 2018)
- FY21 – eDNA for NZMS, QZM, northern pike, Asian carp
- Testing portable PCR unit for real-time eDNA sample processing at NFHs in FY21

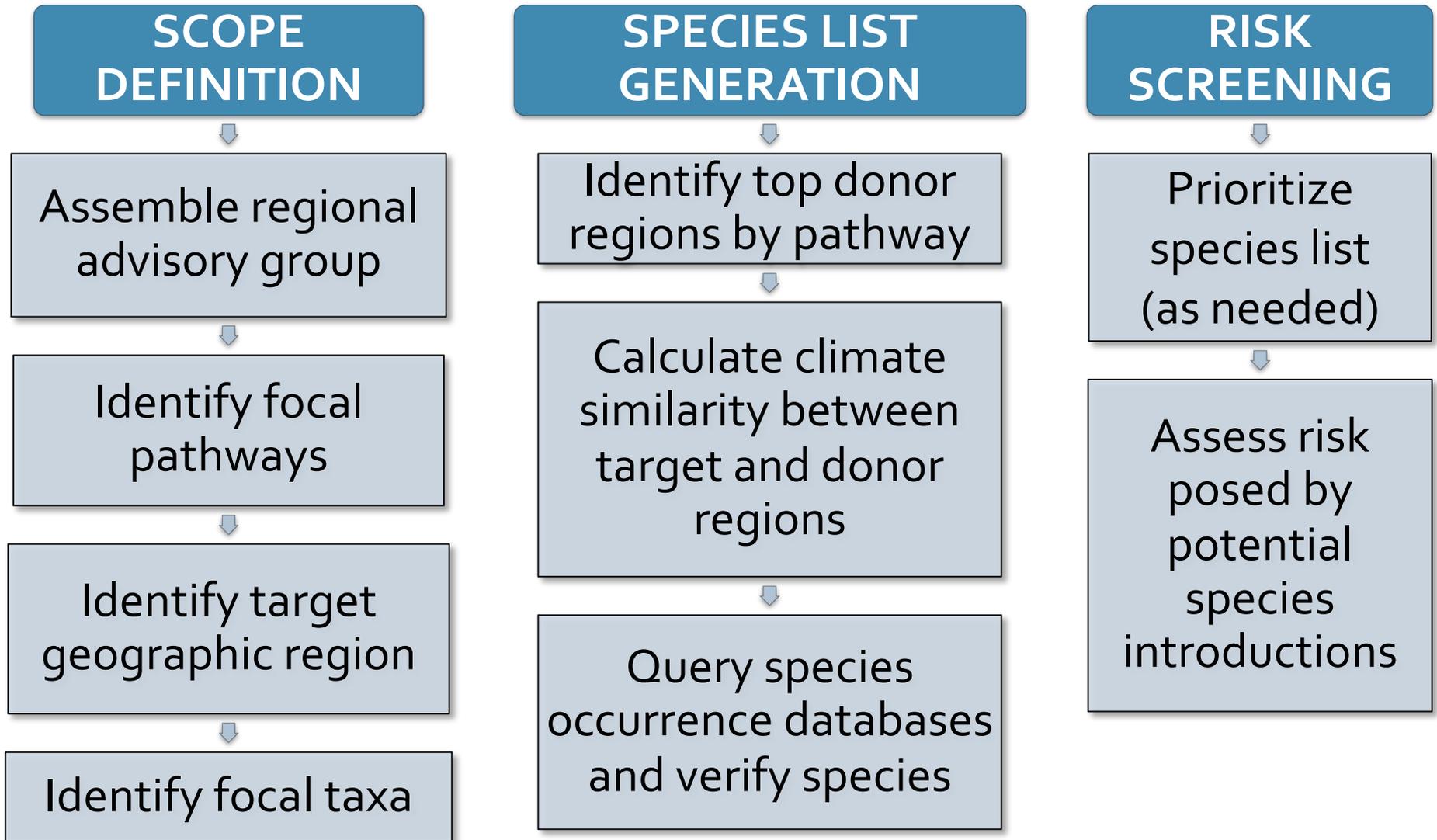
Regional Updates

- Horizon Scanning (NOV 18, 2020 kickoff)
 - Focused on Pacific Northwest
 - Goal is to identify future invasive species
 - Current climate matching
 - Focus on recreational watercraft pathway

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



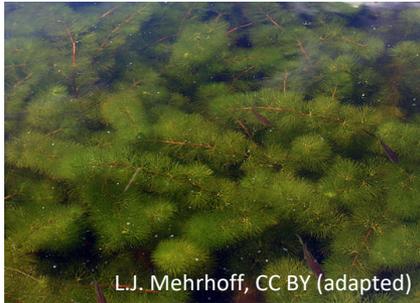


Horizon Scanning Process

Scoping Discussion Participants

- Burns Paiute Tribe
- Columbia River Inter-Tribal Fish Commission
- Idaho Department of Agriculture
- Idaho Power Company
- Invasive Species Action Network
- Montana Fish Wildlife and Parks
- Mosaic Ecology
- National Park Service
- Oregon Department of Environmental Quality
- Oregon Department of Fish and Wildlife
- Oregon Invasive Species Council
- Oregon State Marine Board
- Port of Portland
- Portland State University
- Tualatin Soil and Water Conservation District
- University of Idaho
- University of Washington
- U.S. Army Corps of Engineers
- U.S. Bureau of Reclamation
- U.S. Fish and Wildlife Service
- U.S. Geological Survey
- Washington Department of Fish and Wildlife
- Washington Invasive Species Council
- Washington State University

Taxonomic Scope



L.J. Mehrhoff, CC BY (adapted)

Family Cabombaceae



Family Salviniaceae

K. Ziarnek, CC BY-SA



Family Hydrocharitaceae

Lamiot, CC BY-SA



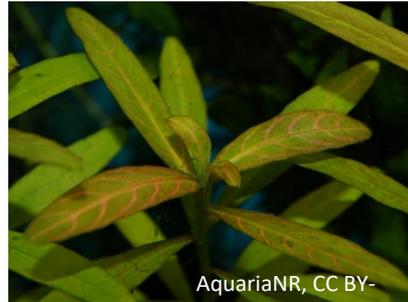
B. Haynold, CC BY-SA

**Genus *Ceratophyllum*
(Family Ceratophyllaceae)**



F. & K. Starr, CC BY

Family Haloragaceae



AquariaNR, CC BY-

**Genus *Hygrophila*
(Family Acanthaceae)**



K. Ziarnek, CC BY-SA

**Genus *Ludwigia*
(Family Onagraceae)**



Panek, CC BY-SA

Order Charales

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?

Please contact us!



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