RECOMMENDED READING * PUBLIC COMMENT * NEW SPECIES * WATCH LIST *
DREISSENID MUSSELS * BOAT INSPECTION/DECON *
BALLAST WATER/BIOFOULING * MARINE * GREEN CRAB * AQUACULTURE
FRESHWATER * FISH * AQUATIC PLANTS * CLIMATE CHANGE * OUTREACH AND
EDUCATION * OTHER * JOBS/GRANTS * LEGISLATION * EVENTS

RECOMMENDED READING



New Species Alert: Golden Mussel – Limnoperna fortunei

CDFW News Release (10/31/24)

CDWR Fact Sheet

USGS NAS Fact Sheet

'Immediate threat': Mussel invades California's Delta, first time in North America (10/31/24)

On Oct. 17, the tiny freshwater mollusks, which have already laid siege to waterways of southern South America, were found at Rough and Ready Island, near Stockton. Since then, state officials said, it has been in at least one other location, O'Neill Forebay, in Merced County.

Its appearance in the Sacramento-San Joaquin Delta is the mussel's first confirmed detection in North America, according to a news release from the California Department of Fish and Wildlife.

It's also very possibly just the beginning of a long battle ahead to slow its spread. The top concerns at the moment include potential impacts to the environment and to the Delta pumping stations that send water to 30 million people and millions of acres of farmland.

Unless it is contained and eliminated immediately, said UC Davis biologist Peter Moyle, there might be no getting rid of it.

PUBLIC COMMENT

NEW SPECIES & SIGHTINGS

Want to get more new species alerts?
USGS NAS: https://nas.er.usgs.gov/AlertSystem/default.aspx
IMAP INVASIVES: https://www.imapinvasives.org

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[Minnesota]

Zebra mussels confirmed in Clear Lake in Washington County (10/21/24)

Zebra mussels confirmed in Potato Lake in Hubbard County (10/21/24)

Zebra mussels confirmed in Bass Lake in Wright County (10/24/24)

Zebra mussels confirmed in Long Lake in Todd County (10/31/24)

Zebra mussels confirmed in White Sand Lake in Crow Wing County (10/3124)

[Wisconsin]

<u>Unwelcome 'first' among Wisconsin inland lakes: Invasive quagga mussels found in Geneva</u> Lake (10/22/24)

Other:

[Wisconsin] Invasive Carp Detected In Lower Chippewa and Lower Black Rivers (10/28/24)

WATCH LIST

Green Crab:

- Alaska: Report your sightings via the <u>ADF&G Invasive Species Reporter</u> or by calling the Invasive Species Hotline: 877-INVASIV (877-468-2748). If you locate invasive green crab on Annette Islands Reserve, you can call 907-886-FISH to make a report.
- British Columbia: Take a photo, put it back where you found it, and email the information about where you saw it and when to: AISPACIoFIC@dfo-mpo.gc.ca
- Washington: Take a photo, put it back where you found it, and report suspect crabs here http://wdfw.wa.gov/greencrab
- Oregon: Retain green crab caught in your gear it is illegal to return them to state waters. They are part of your "Other Shellfish" daily catch limit. Try them as food with the rest of your catch. Do not mutilate or kill any crab while you are crabbing

Walley	re
•	Idaho: Anyone who catches a walleye in rivers is asked to kill it, take a photo and contact
	Idaho Fish and Game Biologist Marika Dobos at the Lewiston Regional Office by email
	at marika.dobos@idfg.idaho.gov, or call (208) 750-4228.

DREISSENID MUSSELS

Keep Up with the Idaho Quagga Mussel Response @ IDA

<u>Idaho officials are finding fewer invasive quagga mussels – and dead fish – in Snake River</u> (10/16/24) Officials hope to eradicate nonnative mussels, which can clog pipes used for drinking water and irrigation, with Natrix treatments near Twin Falls

[video] ISDA finishes first 2024 quagga treatment (10/24/24)

<u>Idaho agriculture department plans second quagga mussel treatment in Snake River in November</u> (10/28/24) This year's treatment covers 8.5 miles of the Snake River, less than 1% of the river, state officials report

Manitoba shuts down zebra mussel prevention efforts in St. Malo reservoir (10/18/24) Efforts to curb the spread of zebra mussels in St. Malo have so far been unsuccessful, the Manitoba government says.

Manitoba MP blames Ottawa for failed curtain meant to address zebra mussels (11/4/24) BRANDON — Conservative MP Dan Mazier says Parks Canada needs to be held accountable for the failed curtain at Clear Lake, and is pointing fingers at Steven Guilbeault, the federal environment minister, for the wrongdoing.

BOAT INSPECTION/DECON		
BALLAST WATER/BIOFOULING		

<u>Clarification on Canadian ballast water requirements (10/16/24)</u> INTERTANKO sought clarification from Transport Canada on further requirements for ballast water discharge, specifically in West Coast ports.

EPA to Cruise Ships, Cargo Ships, Barges, Tankers, Tugs and Tows: Take Notice (10/16/24)

Agency Issues Vessel Incident Discharge Final Rule

MARINE

<u>UH researchers find invasive seaweeds outcompete native species in nearshore waters with high salt level (10/15/24)</u> University of Hawai'i at Mānoa botanists have uncovered survival strategies these invasive seaweed species use in nearshore ecosystems — areas that extend up to 300 feet offshore and encompass shallow coastal waters where land and ocean environments interact and many marine species live and feed — that can potentially explain their dominance over native Hawaiian limu.

Jarman, S., Ackermann, F., Marnane, M. et al. Research horizons for invasive marine species detection with eDNA/eRNA. Biol Invasions 26, 3715–3731 (2024). https://doi.org/10.1007/s10530-024-03406-2

Santos, K.D.S., da Cruz, M.M.O., Diniz, L.P. et al. Long-term assessment of the presence of the non-native estuarine copepod Pseudodiaptomus trihamatus Wright, 1937 (Calanoida) and spatial investigation after 30 years of invasion in Northeastern Brazil. Biol Invasions 26, 3829–3849 (2024). https://doi.org/10.1007/s10530-024-03413-3

GREEN (5-SPINED) CRAB

More money sought for invasive crab battle (10/7/24) ... A key factor affecting all parties is the need for funding, including the WBGCD, which, on July 14, announced that it was calling it quits. WBGCD is operated by Willapa Bay Shellfish Owner Warren Cowell, who has volunteered his time, effort and boats to the cause but gets no personal reimbursement...

Rato, L.D., Simões, T., Novais, S.C. et al. Thermal performance of native and invasive crab species: investigating the invasion potential of Hemigrapsus takanoi in southern European Carcinus maenas' habitats. Biol Invasions 26, 3587–3601 (2024). https://doi.org/10.1007/s10530-024-03396-1

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[video] Missouri Department of Conservation removing invasive Asian carp from waterway... (10/16/24)

Catch, kill, report walleye in Idaho's salmon and steelhead rivers (10/21/24) Walleye are spreading at an alarming rate upstream in the Snake and Salmon rivers and now occupy critical rearing and migratory areas of juvenile salmon and steelhead.

Reclaiming Yellowstone's Cutthroat Trout (10/21/24) Yellowstone Lake is home to the largest inland population of Yellowstone Cutthroat Trout (*Oncorhynchus clarkii bouvieri;* herein referred to as Cutthroat Trout), a species that once thrived but has been in steady decline throughout the 21st century. This decline is largely due to the predatory threat of invasive Lake Trout (*Salvelinus namaycush*), first discovered in the lake in 1994

Biologists boost defenses at Lawrence dam to stop spread of invasive carp (10/24/24) The only thing standing in the way of the carp advancing further upriver and causing widespread damage to the native ecosystem is the Bowersock Dam in Lawrence.

Northern pike kept in check in northeast Washington (11/1/24)

	: bait retailer characteristics and aquatic invasive species prevention. Biol Invasions 61 (2024). https://doi.org/10.1007/s10530-024-03416-0
	AQUATIC PLANTS
amphibio	J.Z., Gross, M., Hladik, M.L. et al. In situ allelopathic expression by the invasive ous plant, Ludwigia hexapetala (water primrose) across habitat types, seasons, and a. Biol Invasions 26, 3811–3828 (2024). https://doi.org/10.1007/s10530-024-03412-024-024-024-024-024-024-024-024-024-02
	CLIMATE CHANGE
	OUTREACH AND EDUCATION
	OTHER
	JOBS/GRANTS

Resources:

- The Office of Personnel Management launched a <u>new portal</u> as part of USAJOBS for students interested in applying for internships at federal agencies, billed as a "one-stop shop" for those interested in exploring a career in government.
- Are you ready to make a contribution to fisheries on the West Coast? Begin your job search and application process by searching for <u>specific jobs at PSMFC</u>

Jobs

Skokomish Indian Tribe: Vacancy Announcement Aquatic Invasive Species Coordinator Shellfish Program Manager

Open Until Filled \$46,000-\$64,000 Annually 1 Fte

Representative Duties Include: This position will join the Skokomish shellfish team as a skilled scientific biologist to focus on Aquatic Invasive Species (AIS) detection, impacts, and removal. Will work alongside tribal partners and state co-managers in extensive trapping efforts to assess the full scope and scale of current European Green Crab (EGC) invasions. Additional to EGC work, this position will serve as lead for subtidal tunicate, oyster drill, and intertidal macroalgae detection, identification, impact assessment and removal. This is a 2-year position, subject to renewal. Collaboration and Detection Response: Work with state co-managers and partners (e.g., WDFW, Washington Sea Grant crab team, other tribes, shellfish growers, etc.) on removal efforts and regional rapid response actions for new EGC detections. Field Operations: Assemble field gear, navigate to remote locations, set traps, and operate aluminum boats and non-motorized watercrafts Trapping Assessments: Conduct land-based and boat-based trapping assessments throughout Hood Canal to determine EGC distribution and abundance, including early detection monitoring at un-surveyed sites

<u>Virginia Tech: Associate or Full Professor – Invasive Species Economist</u>

Job no: 530578

Work type: Teaching & Research Faculty

Senior management: Agriculture & Life Sciences Department: Agricultural & Applied Economics

Location: Blacksburg, Virginia

Categories: Agriculture / Life Science

Open until filled Job Description

The College of Agriculture and Life Sciences (CALS) and the College of Science (COS) at Virginia Tech are inviting applications for a 9-month (academic year) tenure-track research and teaching position at the Associate or Full Professor level in applied economics with a focus on invasive and other harmful species

Marine Debris Extension Fellowship

Apply by December 16, 2024

California Sea Grant and the NOAA Marine Debris Program are soliciting applications for a 2-year fellowship to support the NOAA Marine Debris Program's work in California and assist with the planning and implementation of the next iteration of the state's Ocean Litter Prevention Strategy (OLS).

MS Graduate Research Assistant: Minimizing Aquatic Invasive Species Pathways South Dakota State University (State)

Details: Application Deadline - 11/22/2024 Starting Date: between 5/1/2025 and 7/31/2025

Hours per Week: at least 40

Applications are open for a Graduate Research Assistant (GRA) position (M.S. Level) in the Department of Natural Resource Management department at South Dakota State University (SDSU) under the supervision of Dr. Alison Coulter.

The selected student will lead collaborative work between SDSU and USGS to explore current preventative strategies for aquatic invasive species (AIS) in the Upper Mississippi River, rank which pathways pose the most risk for introductions of AIS, and identify barriers for why states may not be able to implement actions to reduce risk. Interested students will be responsible for designing and conducting interviews/email surveys with AIS experts, collecting and analyzing data, and drafting publications and education materials. Opportunities for undergraduate student mentoring.

<u>California Sea Grant Seeks a Social Science Extension Specialist</u> California Sea Grant and the Delta Stewardship Council are hiring a social scientist to assist with research and outreach on the human dimensions of California water and environmental management and policy issues related to the Sacramento-San Joaquin Delta. Apply by **November 25, 2024** to ensure full consideration by the committee.

The Illinois Natural History Survey (INHS) is seeking 2 graduate research assistants (GRAs) starting Summer or Fall 2025 to conduct research in the areas of aquatic ecology, invasion biology, or fisheries ecology. MS or PhD GRAs are available to research topics such as sport fish growth and recruitment, habitat enhancements for reservoir fisheries, riverine larval fish ecology, and harvest regulations. The deadline to apply is February 14, 2025.

Public Affairs Specialist, Great Lakes Fishery Commission, Traverse City, MI: The bidirectional selective fish passage (FishPass; https://www.glfc.org/fishpass.php) project at the Boardman/Ottaway River's Union Street Dam in Traverse City, MI is a multi-agency collaboration aimed at providing up- and down-stream passage of desirable fishes while simultaneously blocking or removing undesirable and invasive fishes. FishPass is a multifaceted project that is prominently located in downtown Traverse City and, therefore, prominently featured to its many residents and visitors. Applicants are encouraged to submit a cover letter addressing competencies in the above qualifications, CV or resume, and names and contact information for three references to Dan Zielinski (dzielinski@glfc.org) by November 30, 2024. The PAS will start at a GS-9 (salary \$59,966- \$71,959 plus benefits, dependent on experience). The anticipated start date for the position is January 1, 2025 or sooner. The PAS will be stationed at the Great Lakes Fishery Commission office at 310 W. Front Street Traverse City, Michigan. Learn more about the Great Lakes Fishery Commission and FishPass here.

Grants

The Bureau of Indian Affairs is pleased to announce a new, one-time funding opportunity in the Northwest Region. The Region has received \$2.4 million from the Inflation Reduction Act to distribute competitively to Tribes and Tribal organizations to combat the spread of European Green Crab (EGC). If you have any questions regarding this funding opportunity, please contact Ashton Harp, Fisheries Biologist, at ashton.harp@bia.gov or (971) 378-2302. Due Date for applications 12/13/24

Rapid Response Fund for Aquatic Invasive Species

Department of the Interior

Fish and Wildlife Service

This Notice of Funding Opportunity requests proposals for projects that support efforts to plan a response or deploy response measures to a new detection of a potentially invasive species. Response efforts must target an aquatic invasive species, defined as non-native plants or animals that reside in fresh, wetland, estuarine, or marine waters.

This Notice of Funding Opportunity will remain open until July 15, 2024, or until the Rapid Response Fund is depleted. Proposals will be accepted on a rolling basis; submitted proposals will be evaluated on a quarterly basis: Proposals submitted from November 15 – January 15 will be evaluated with an anticipated award date of March 1. All proposals submitted for the Rapid Respond fund will be evaluated using the merit criteria.

U.S. Fish and Wildlife Service (USFWS) Invasive Species Eradication Funding Opportunity Requesting proposals that support the eradication of a newly introduced or established invasive species in terrestrial or aquatic habitats of the United States, including the U.S. territories (aquatic habitats include freshwater, wetland, riparian, estuarine, and marine environments). While preference will be given to proposals that result in eradication of invasive species, research proposals that advance the effectiveness and availability of eradication tools will be considered.

As part of the Bipartisan Infrastructure Law authorization for ecosystem restoration, the Department of the Interior (DOI) invested \$3 million to establish an Invasive Species Eradication Funding Opportunity. It is administered within the existing authorities of DOI and administered by the USFWS in collaboration with DOI bureaus. The intent of this funding opportunity is to promote and invest in those projects with a high likelihood of achieving eradication success and that have existing partnerships and plans in place.

Please note that projects responding to founding populations of aquatic invasive species within the early detection and rapid response context should instead apply for funding through the Rapid Response Fund for Aquatic Invasive Species. Projects addressing established aquatic invasive species infestations with a high likelihood of eradication can apply for this Eradication Funding Opportunity.

General information about the funding for invasive species eradication can be found <u>HERE</u>. Additional questions may be directed to myself at jarrad kosa@fws.gov.

The Washington State Recreation and Conservation Office, on behalf of the Washington Department of Fish and Wildlife, is soliciting proposals for interagency agreement funding to support the response to the ongoing <u>European green crab emergency</u>. Please visit https://rco.wa.gov/about-us/employment-and-contracts/ for more information about the available funding for public agencies. (Rolling deadline until funds fully allocated)

For more information on European green crab and the state response, please visit https://wdfw.wa.gov/species-habitats/invasive/carcinus-maenas and https://wdfw.wa.gov/news/emergency-measures-deployed-control-invasive-european-green-crabs-washington-waters

NOAA-NOS-ORR-2025-25974

FY25 NOAA Marine Debris Removal under the Bipartisan Infrastructure Law

Department of Commerce DOC NOAA - ERA Production

Closing Date: Jan 31, 2025

This funding opportunity requires a Letter of Intent (LOI) to be submitted to grants.marinedebris@noaa.gov for competitive review before a full proposal can be submitted. LOIs must be submitted no later than 11:59 p.m. Eastern time, LOI due September 27, 2024. If invited, full proposals must then be submitted in Grants.gov (http://www.grants.gov) and validated by eRA on or before 11:59 p.m. Eastern time, January 31, 2025. The NOAA Marine Debris Program (MDP) is a division of the NOAA Office of Response and Restoration. Authorized in the Marine Debris Act, codified at 33 U.S.C. § 1951 et seq., the NOAA MDP supports the development and implementation of marine debris assessment,

Restoration. Authorized in the Marine Debris Act, codified at 33 U.S.C. § 1951 et seq., the NOAA MDP supports the development and implementation of marine debris assessment, removal, and prevention projects that benefit coastal habitat, waterways, and marine and Great Lake resources. Marine debris is defined as "any persistent solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment or the Great Lakes" (15 C.F.R. § 909.1). The mission of the NOAA MDP is to investigate and prevent the adverse impacts of marine debris.

Through this solicitation, NOAA seeks to support large marine debris removal projects with funding available through the Bipartisan Infrastructure Law (PL 117-58). The overall objective of this funding opportunity is to support impactful, large marine debris removal projects that will improve the resilience of the coastal and marine environment. This competition considers impactful projects to be those that will have long-lasting, transformational benefits to marine and coastal NOAA Trust Resources, coastal communities, and/or local economies.

		LEGISLATION	
Advoca	acy		

State/Provincial

Federal: Executive

Federal: Congressional

Case Introduces Measure To Expand Federal Efforts To Combat Invasive Species (10/27/24)

(Washington, DC) – U.S. Representative Ed Case (D-HI-01) has introduced legislation in the U.S. House to address invasive species, which he referred to as a "critical and growing challenge that severely impacts our environment." Case, joined by U.S. Representative James Moylan (R-Guam), introduced the Invasive Species Response Act (Act) to significantly expand federal efforts to combat… "This legislation will codify the existing Invasive Species Strike Teams program currently operated by the U.S. Fish and Wildlife Service (FWS). These specialized teams play an essential role in managing emerging invasive species, employing strategies tailored to local conditions across the National Wildlife Refuge System. With 21 teams strategically positioned in various FWS regions, they are on the front lines, addressing the unique challenges posed by invasive species."

State Boating Act Update (11/4/24)

According to the Association of Fish and Wildlife Agencies (*Invasive Species News* Volume 34, November 2024):

AFWA learned at the end of October that the State Boating Act(<u>S 4113/H.R. 9636</u>), despite the significant bipartisan and bicameral support, will not be included in the Senate US Coast Guard (USCG) reauthorization bill due to the objection of Senate Commerce minority leadership. That said, as we plan for future legislative action, we continue to add to the broad support that currently includes the Atlantic and Pacific States Marine Fisheries Commissions, and the National Association of Boating Law Administrators. The Northeast Aquatic Nuisance Species panel is interested in making a push for the legislation with partners.

We also discovered that the USCG National Boating Safety Advisory Committee (the FACA that advises the USCG) has submitted a recommendation encouraging support for collection of AIS, search and rescue, and boating safety measure fees alongside vessel registration fees. The committee reiterated its support for this during their October meeting and the USCG is currently considering the recommendation. View the committee's full recommendation <u>here</u>.

Federal: Appropriations

Disaster aid bill seen more likely than omnibus spending package post-election (10/30/24)

With all eyes on next week's elections, appropriations battles are simmering on the back burner for Congress. But lawmakers won't have long to make some tough decisions when they return starting on Nov. 12 for the lame-duck session.

The priorities are twofold: first, passing an emergency relief package after two major hurricanes battered the Southeast, compounding pent-up demands for disaster aid going back to last year. Second, congressional leaders need to figure out what to do about funding the government beyond the stopgap law's Dec. 20 deadline.

The current betting is that there simply won't be enough time in the five weeks of session remaining to strike the deals needed to put together thousands of pages of text fleshing out a dozen full-year fiscal 2025 spending bills. Top Democrats and appropriators on both sides of the Capitol will push that option, but without GOP leadership buy-in, it's very unlikely.

That means another continuing resolution, or CR, possibly extending current funding levels for another three months into March, is emerging as a leading scenario, according to sources familiar with the process. Speaker Mike Johnson, R-La., has long favored a March CR, and GOP leaders have already been sounding out committee leaders on what "extenders" should be included in a three-month stopgap bill.



Archived Events:

Recording Available: The duality of shell deposition: how zebra mussel shells introduce a novel substrate in urban and degrade habitat in rural streams

Ongoing Training Opportunities:

Watercraft Inspection Training:

Virtual Level 1: Level 1 - Inspector Training | westernais

- November 12-13, 2024
- <u>December 10-11, 2024</u>
- January 28-29, 2025
- February 25-26, 2025
- March 11-12, 2025
- April 1-2, 2025
- April 29-30, 2025

Virtual Level 2: <u>Level 2 - Inspection and Decon Training | westernais</u>

- November 12-14, 2024
- December 10-12, 2024
- <u>January 28-30, 2025</u>

- February 25-27, 2025
- March 11-13, 2025
- April 1-3, 2025
- April 29-May 1, 2025

Virtual Level 3: Level 3 - Trainer Training | westernais

- December 17-19: CLASS FULL!
- January 21-23, 2025
- March 4-6, 2025
- April 15-17, 2025
- May 13-15, 2025

DOI Invasive Species Training Opportunities Spreadsheet

PNW IPC Citizen Science Trainings

<u>InvasivesU – NAISMA</u> - InvasivesU is NAISMA's exclusive online learning library intended to provide professionals, students, and interested individuals with the knowledge and tools necessary to prevent and manage invasive species in North America. NAISMA experts have thoughtfully curated and developed this content, especially for you!

Calendar of Events

2024

November

The <u>ANS Task Force</u> will meet Wednesday and Thursday, November 6-7, 2024, from 10 a.m. to 5 p.m. each day (eastern time) <u>Registration is required.</u> The deadline for registration is November 4, 2024.

<u>2024 Upper Midwest Invasive Species Conference!</u> Duluth, Minnesota Tuesday, November 12th - Thursday, November 14th, 2024

December

December 3, 2024 9am – 4pm <u>Oregon Invasive Species Council Meeting</u>, ODFW HQ, Salem OR

December 5, 2024 @ 11:00 am - 3:00 pm CST NAISMA Annual Biocontrol Summit

December 5, 2024 Washington Invasive Species Council Meeting, Olympia OR

<u>December 10-11, 2024, 100th Meridian CRB AIS Team Meeting</u> - Northern Quest Resort & Casino. Spokane, WA. Please contact <u>Leah Elwell</u> for agenda questions or <u>Amy Stark</u> for all other questions.

2025

January

Conservation Detection & Nosework Seminar 2025 Holne Park House - River Dart Country Park We're thrilled to announce that we are co-hosting the Conservation Detection & Nosework Seminar from 28 - 30 January 2025, in Devon, United Kingdom. This exciting event, held in partnership with Dogs with Jobs, promises to be a unique opportunity for learning and collaboration.

February

<u>2025 Wild Spotter Invasive Species Ambassador Training Course</u> Feb 04, 2025 - Feb 06, 2025 Lake Guntersville State Park, Guntersville, Alabama

<u>2025 33rd USDA Interagency Research Forum on Invasive Species</u> Feb 25, 2025 – Feb 28, 2025 Graduate Annapolis Hotel, Annapolis, Maryland

April

April 14, 2025 @ 8:00 am - April 17, 2025 @ 5:00 pm CDT National Forum on Biological Control Conference

2nd National Forum on Biological Control Conference, April 14-17, 2025, Annapolis, MD. This event, led by the USDA Forest Service in partnership with NAISMA and the National Association of State Foresters (NASF), is the premier gathering for biocontrol practitioners, researchers, policymakers, and other professionals dedicated to addressing the challenges and exploring the opportunities in weed and arthropod biocontrol.

The **2025 Pacific Ballast Water and Biofouling Group Meeting** has been scheduled for April 29 & 30, 2025. It will be held at Hyatt Centric The Pike Long Beach in Long Beach, California. Registration and hotel room block information will be released in early 2025. Contact <u>Amy Stark</u> if you have any questions.

May

Invasive Species Council of British Columbia's 2025 Research Conference Call for Proposals is Open! The conference theme is "Getting Ahead of the Invasion Curve: Bridging the Gap Between Research and Management" and it will be held at University of British Columbia's Okanagan campus in Kelowna, B.C on May 13 –15, 2025.

This is a fantastic opportunity to present research you and your teams might be doing, and to engage in critical discussions on the management of invasive species. Abstract submissions are scheduled to close **November 30, 2024**.

To submit and find detailed information on submission guidelines for presentations and posters, requirements, and event specifics can be found in the **Proposal Application** <u>here</u>, while **Event Details** can be found <u>here</u>.

October

2025 Society for the Study of Marine Bioinvasions (SSMB) 12th International Conference (ICMB XII) Oct 07, 2025 - Oct 09, 2025 Hotel VidaMar Madeira Funchal, Madeira Island, Portugal

TO UNSUBSCRIBE/SUBSCRIBE to the AIS NEWS email sphillips@psmfc.org. AIS NEWS was compiled by Robyn Draheim (robyndraheim@gmail.com) and Stephen Phillips. Past issues of AIS NEWS can be found @ https://www.westernais.org/western-ais-news