

August 28, 2022

RE: 2022 EcoFOCI Fall Mooring cruise out of Dutch Harbor, AK to Kodiak, AK aboard the NOAAS *Dyson*

To Matt Galaska:

The University of Washington has designated the 2022 EcoFOCI Fall Mooring cruise in the Gulf of Alaska, Bering Sea, and Chukchi Sea aboard the NOAAS *Dyson* as an essential function and involves the least number of people necessary to deploy the research. The vessel will depart from Dutch Harbor, AK and return to Kodiak, AK from September 16 through October 8, 2022 (weather permitting). This designation and authorization allows this critical research to go forward under the Washington State Governor’s “Safe Start Reopening Plan.”

Water samples will be collected for eDNA analysis from long-term EcoFOCI moored sites and along the Distributed Biological Observatories (DBO). In addition, an autonomous eDNA sampler will be deployed at M8.

An approved COVID Health and Safety Plan for this fieldwork is on file in the CICOES Unit Folder and can be provided upon request. Names of employee providing critical in-person services in support of this activity include:

Shannon Brown, UW CICOES/NOAA PMEL Affiliate

If you have any questions about this designation, please feel free to contact me at jhorne@uw.edu and 206-221-6890.

Sincerely,



John Horne

CICOES Executive Director

Cc: Shannon Brown



University of Washington

Box 355672 (98195)

3737 Brooklyn Ave NE, Seattle, WA 98105

John Horne | jhorne@uw.edu | 206.221.6890 | cicoes.uw.edu

**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

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| **Unit** | College of the Environment, CICOES, EcoFoci and ‘Omics | | |
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| **Plan Created for** | FOCI Fall Mooring Cruise on *Oscar Dyson* | **Date of revision:** | 08/24/2022 |
| **PI/Supervisor** | Matt Galaska; matt.galaska@noaa.gov; 206-526-6047 (PI) | | |
| **Field Team Leader/ Chief Scientist** | **Chief Scientist**: Ryan McCabe; ryan.mccabe@noaa.gov; 206-526-6038 COVID-19 Supplemental Information:  Unless otherwise designated, this individual is considered to be the on-site COVID-19 supervisor who is responsible for oversight of project-specific health and safety plan implementation relative to COVID-19 prevention, mitigation and response measures. | | |
| **Activity Description** | Collect water samples for eDNA analysis from long-term EcoFOCI moored sites and along the Distributed Biological Observatories (DBO). In addition, our autonomous eDNA sampler will be deployed at M8. | | |
| **Field Site Location(s)** | Field sites are located in the Gulf of Alaska, Bering Sea, and Chukchi Sea (see Appendix 1). The vessel will depart from Dutch Harbor, AK and return to Kodiak, AK. | | |
| **Date(s) of Fieldwork** | 16 Sept 2022 to 8 Oct 2022 | | |

**Fieldwork is an important part of teaching, research, and clinical practice at the University of Washington. It is also an extension of on-campus work, and adherence to University policy and a professional code of conduct by all members of a project field team while participating in University-sponsored fieldwork is required. This UW Fieldwork Health and Safety Plan (COVID Prevention) is required for lone workers as well as field teams, and is intended to help you prepare for health and safety problems you might encounter when fieldwork takes you away from University facilities. This template is provided as a resource to field teams as a framework for field teams in their predeparture planning and preparation.**

**In addition, this Fieldwork Health and Safety Plan (COVID Prevention) template has been modified to include information relevant to COVID-19 mitigation measures to be undertaken when either the UW or the Washington State county(ies) in which the fieldwork is to be done in compliance with the Governor’s Roadmap to Healthy Washington and Campus Reopening Guide. The conditions for returning to fieldwork should be evaluated against the current Washington State Phases as best as possible to determine what is allowable, and what precautions are necessary.**

**Note that not all elements of this plan are appropriate for all fieldwork. Local fieldwork with no overnight stay will not require as many elements as fieldwork with extensive travel and/or multiple overnight stays. Please consult your local unit requirements if you are unsure which apply to your fieldwork.**

**Instructions for the PI:**

**1. Perform a Field Work Risk Assessment.**

**2. Complete this UW Fieldwork Health and Safety Plan (COVID Prevention) template (insert specifics for your project, delete irrelevant sections, add sections that may be unique to your work) and provide a copy to your unit administrator or other designated individual for use in an emergency. Note that additional templates are available on the EH&S Website, but these do not mention precautions for COVID-19, which should be included in your plan.**

**3. Complete appropriate training for your site, operations, and personnel (e.g., first aid, task-specific training). 4. Obtain immunizations and prophylaxis for your destination, if applicable.**

**5. Hold a pre-trip meeting with your group and/or supervisor to review your field safety plan, travel logistics, packing lists, personnel safety and security concerns, conduct expectations, and any remaining training needs. This meeting should be held remotely if possible.**

**6. As applicable, register your fieldwork with:**

**a. UW International Travel Registry for location-specific travel alerts and emergency/travel assistance contacts.**

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**b. UW Youth Program Registration System for projects that involve individuals under the age of 18.**

In addition, the fieldwork must have an approved project-specific Health and Safety Plan that explicitly addresses the additional health and safety measures to be taken to mitigate the spread of COVID-19 and respond to potential or confirmed cases in the field. This UW Fieldwork Health and Safety Plan (COVID Prevention) Template can be used or an existing Health and Safety Plan. If applicable, the fieldwork must also meet the criteria for continuation for research involving human subjects or travel.

This UW Fieldwork Health and Safety Plan (COVID Prevention) should be approved according to the processes established by each Dean-level unit. See the University of Washington COVID-19 Prevention Plan for the Workplace for further details on unit-level prevention plan requirements and approvals.

| **Approved by:** | *John Horne, Director CICOES* | *08/28/2022* |
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Additional Resources

UW Field Operations Safety Webpage

UW Field Operations Safety Manual

COVID-19 Prevention Guidelines for Small Boat Operations.

COVID-19 Health and Safety Resources

UNOLS News Coronavirus Considerations Document

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| **Site Information** | |
| --- | --- |
| **Location(s)** | *Describe the location(s) of the fieldwork and housing, if different. Attach a work and route plan including address(es) and/or geographic coordinates (i.e., latitude/longitude), as appropriate.*  Rough timeline, subject to change:  9/12/22 - Arrive in Dutch Harbor, AK  9/13-15/2022 - In Port 72-Hour Contact Reduction Period; Load Ship  9/16/2022 - Depart from Dutch Harbor to Bering/Chukchi Sea  9/16/2022-10/7/2022 - Conduct mooring, CTD, and bongo net operations  10/8/2022 - Arrive in Kodiak, AK  10/9/2022 - Return to Seattle |
| **Site Information** | *Briefly describe physical conditions of site (e.g., elevation, terrain, environment, expected weather).*  Work will be conducted on board the NOAA ship, Oscar Dyson. A majority of the work will be outdoors on the back deck and on the side deck for the CTD and bongo nets. UW Scientists, Shannon Brown, will be involved in the collection of water samples via the CTD niskin array.  The CTD will be run from the electronics lab, and all samples will be processed in the chem or wet lab. Environmental e(DNA) filtration gear will be set up next to the sink in the wet lab.  Weather conditions in the Bering/Chukchi Sea can be unpredictable and cold. Safety meetings will be held before each mooring operation to review safety issues and discuss weather options, if applicable. Steel toe boots are required on deck along with mustang float coats and hardhats. Waterproof insulated gloves are provided for working on deck as it is anticipated that working conditions will occur during freezing temperature. |
| **Travel to Site** | *How will participants get to the field site? Note any dangerous roads, conditions.*  Shannon Brown will travel to Dutch Harbor via commercial airline. In accordance with AFSC guidelines, a negative PCR test is required before flying, and all are required to mask during the flight when not eating or drinking. In Dutch Harbor, rental cars will be used to transit between the airport, hotel, stores, and dock. Passengers and the driver will wear N95 masks while in a shared vehicle. After arrival, all scientific crew will complete a 72 hour contact reduction period in which they are cleared to work on the vessel, take short trips to shore, and exercise outdoors. No indoor dining, meals will be taken outside or to your room to eat. Masks are required indoors during this entire period.  The Medical Care Coordinator (MCC) will facilitate the rapid COVID-19 testing of all scientific crew after the contact reduction period. Once all individuals test negative, masks are no longer required. At this point, no one will leave the vessel.  COVID-19 Supplemental Information: *Please indicate how participants will travel to/from the field in a way that minimizes the spread of COVID-19. As examples:*  Individual traveling daily to field site from home using university vehicle:  • Researchers will be using department vehicles and will not carry any passengers at any time.  • Fuel for the truck should only be obtained at gas stations where pay-at-the-pump service is available. Researcher will use disposable gloves when refueling vehicles and wash or sanitize hands as soon as possible after pumping fuel. |

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|  | • The truck will be serviced with an oil change and complete safety check immediately before the start of the project, and a roadside emergency kit will be provided in the truck. Directions for emergency roadside procedures are located in the glove compartment.  • Prior to returning the truck at the end of the field season, the researcher will take it through an automated car wash, wipe down the inside surfaces with disinfecting cleaner, and wipe down the keys and mileage clipboard with disinfecting cleaner before returning them to the office.  OR - Research team traveling by university vehicles to site:  • Researchers will independently travel to fieldsite in university vehicles and will not carry any passengers at any time.  • Researchers should be prepared to wipe down the interior, handles and gas cap of each university vehicle with disinfecting wipes upon checkout.  • Fuel for vehicles should only be obtained at gas stations where pay-at-the-pump service is available. Researchers will use disposable gloves when refueling vehicles and wash or sanitize hands as soon as possible after pumping fuel.  • A roadside emergency kit will be provided in each vehicle and directions for emergency roadside procedures are located in the glove compartment. |
| --- | --- |
| **Site Ownership** | *What agency, organization, or individual controls access to your field site(s)?*  NOAA Ship *Oscar Dyson*  Marine Operations Center-Pacific  2002 SE Marine Science Dr.  Newport, OR 97365  Noaa.Ship.Oscar.Dyson@noaa.gov |
| **Site Access** | *Are there any particular restrictions or challenges to accessing site? Are collecting or camping permits required? Note any alternate routes or suggested parking areas; gate access codes, etc. Make special note if isolated or remote.*  No  COVID-19 Supplemental Information:  Not all public lands or other research sites may be open during the pandemic. Please make sure to obtain written confirmation from the property owner or responsible agency if the site(s) are otherwise closed to the public or to permitted research. In addition, once your fieldwork has been approved, you should receive an authorization letter on university letterhead. Make sure all members of the field team have a copy of this authorization letter and it can be made available upon request.  Is/are your site(s) open to the public, or do you have written confirmation of your ability to access the site? ☐ Open to the public Written confirmation of access ☐ N/A  Are there access restrictions related to COVID-19 mitigation measures that exceed those of the University of Washington? Yes ☐ No  If yes, have you integrated these measures into this Health and Safety Plan? Yes ☐ No |
| **Environmental Hazards** | *Describe any dangerous wildlife, insects, endemic diseases, poisonous plants, etc. that participants may encounter. Note intended mitigation measures; discuss prior to trip.*  None |
| **International** | ☐ Register your travel with the UW International Travel Registry for location-specific travel alerts and emergency/travel assistance contacts. Familiarize yourself with the UW emergency travel assistance benefits available to you. In addition, encourage all members of your field team to register themselves with the U.S. Department of State Smart Traveler Enrollment Program to receive emergency alerts from the local U.S. Embassy or Consulate. |

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|  | ☐ Review the UW Office of Global Operations Support guidance on import/export controls, transportation of specialized equipment, and data security must be considered.  This research does not include international travel  COVID-19 Supplemental Information:  All official travel outside the U.S. by UW employees and students is restricted. Faculty and staff researchers may apply for an exceptional waiver to the current official travel restrictions. This may require endorsement by their Dean/s and the UW Office of Research. |
| --- | --- |
| **Security** | *Personal safety risks and conduct expectations during both work and free time should be considered and discussed in advance (e.g., alcohol or drug use, leaving the group, situational awareness, sexual harassment, and local crime/security concerns). Review expectations and set the tone for a safe, successful trip. In addition, describe any current travel alerts or restrictions. Note intended mitigation measures; discuss with field team prior to trip.*  Boarding procedures during the loading of the Oscar Dyson include checking in with the watch on the bridge and showing proper ID. The OSI facility is a marine loading facility an as such TWIC or CAC cards are required to enter the property. There are no current travel alerts or restrictions for either ports.  For international travel, check the U.S. State Department travel site for current travel, advisories and important safety and security information. Contact the UW Global Travel Security Manager at travelemergency@uw.edu or 206-616-7927 for international travel consultations.  COVID-19 Supplemental Information:  All official travel outside the U.S. by UW employees and students is restricted. Faculty and staff researchers may apply for an exceptional waiver to the current official travel restrictions. This may require endorsement by their Dean/s and the UW Office of Research. |

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| **No Go Criteria** | *What are the possible conditions under which approach to - or activities at - the site should be stopped or canceled? e.g. heavy rains, electrical storms, snow, temperatures > 100 degrees, within 2 hours of high tide, wave heights over 1 meter, field team readiness, etc.*  All mooring operations will be preceded with a safety meeting to ascertain safe working conditions. Work on the back deck of the ship will be weather dependent. If waves exceed ~10 feet then mooring operations will be delayed until conditions improve. CTD and Bongo stations will be discussed between the bridge and the chief scientist when weather conditions deteriorate to a questionable level.  All participants will be required to test for COVID before departing for Alaska. In addition testing will be done before boarding the vessel. A positive test or known contact with a person known to have COVID will remove that person from the cruise. During the cruise, if a person is suspected  of having COVID symptoms, the person will be isolated and the ship will return immediately to the nearest port.  COVID-19 Supplemental Information:  The UW Returning to Research Involving Fieldwork Decision Tree must be completed. If the questions in the Decision Tree cannot be answered Yes or N/A at any point during the project, the fieldwork may not proceed.  All questions on the UW Returning to Research Involving Field Work Decision Tree were answered yes with the exception of the 6 feet rule. At times on deck when lifting and working on heavy equipment, the 6-foot distancing rule cannot always be safely attained. This work will almost always be done outdoors. |
| --- | --- |
| **Expected**  **Weather** | *Note extreme conditions that could impact the trip or require additional planning, (e.g. high heat, wind, rain, snow, approaching storm).*  The Captain will take into account the weather conditions before departing Dutch Harbor. During the fall mooring cruise, it is expected that the Dyson will encounter snow and or heavy rain. Appropriate working attire will be furnished before the cruise to each participant (no sharing) and they will be reminded of the need to stay dry and to ‘layer up’. It is also expected that at some point the ship will be required to ‘hide’ from bad weather. The Captain in consultation with the chief scientist will make the decision when and where to seek refuge. |
| **Drinking Water Availability** | Plumbed water available ☐ Water cooler with ice provided ☐ Bottled water provided ☐ Natural source and treatment methods (e.g. filtration, boiling, chemical disinfection): |
| **Access to**  **Shade/Shelter** | If forecast temperatures exceed 80°F, shade must be provided by natural or artificial means for rest breaks. What will be available to the field team members?  ☐ Building structures ☐ Trees ☐ Temporary Canopy/Tarp ☐ Vehicle with A/C Other: N/A |
| **High Heat**  **Procedures** | Required when temperatures are expected to exceed 95° F: If possible, limit strenuous tasks to morning or late afternoon. Rest breaks in shade must be provided at least 10 minutes every 2 hours (or more if needed). Effective means of communication, observation and monitoring for signs of heat illness are required at all times. Pre-work safety discussion required. ☐ Direct supervision ☐ Buddy system ☐ Reliable cell or radio contact Other: N/A |
| **Cold Weather**  **Procedures** | Required when temperatures drop below normal and wind speed increases, allowing heat to leave a body more rapidly: If possible, schedule heavy work during the warmer part of the day. Provide frequent breaks in warm areas. Acclimatize new workers and those returning after time away from work. Effective means of communication, observation and monitoring for signs of cold stress are required at all times. Pre-work safety discussion required.  Direct supervision ☐ Buddy system ☐ Reliable cell or radio contact ☐ Other: |

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| **Emergency Services and Contact Information** | | | |
| --- | --- | --- | --- |
| **Local Contact** | Ryan McCabe  **Chief Scientist**  ryan.mccabe@noaa.gov  206-526-6038 | **University**  **Contact**  Collen Marquist marquist@uw.edu 206-330-6740 | Phyllis Stabeno  **EcoFoci Project Manager**  phyllis.stabeno@noaa.gov  206-526-6453  Matt Galaska  **UW/NOAA Omics PI**  matt.galaska@noaa.gov  206-526-6047  **Frequency of check ins and method:** *Daily* |
| **Lodging**  **Location** | Grand Aleutian Hotel, 498 Salmon Way, Unalaska, AK 99692  Phone: 907-581-3844 | | |
| **Local Emergency Number** | 911 | | |
| **Emergency**  **Medical Services** | *Procedures for contacting local emergency medical services.*  While ashore, medical services can be accessed by dialing 911 or calling the phone numbers provided. Routes to each medical facility are provided in Appendix 2. | | |
| **Nearest**  **Emergency**  **Department** | *Evacuation plan and transportation options to the nearest Emergency Department; include estimated transport time, contact information and driving directions from the site to the nearest provider of emergency medical care. Attach map with specific directions.*  Scientists will be embarking in Dutch Harbor, AK. Iliuliuk Family and Health Services, Inc (907- 581-1202; www.ifhs.org) is 4 min from port and 5 min from the hotel (Appendix 2). All will disembark in Kodiak, AK, and the nearest hospital is Providence Kodiak Island Medical Center, which is 5 min from port (Appendix 2). If a medical emergency occurs while onboard, in urgent cases, the crew will be transported back to port, and emergency services will provide transportation. The ship can communicate with the US Coast Guard in an emergency. | | |
| **Cell Phone**  **Coverage** | **Primary Number:** Shannon Brown (847-445-2292)  **Coverage:** *Spotty*  **Nearest location with reliable coverage:** Reliable communication is obtained using WhatsApp when near a wireless hotspot | | |
| **Satellite**  **phone/other**  **device** | **Device carried?** ☐yes no  **Type/number:**  **Location/access:** Oscar Dyson has a phone of the bridge (541-867-8911) | | |
| **Nearby Facilities** | *What facilities are available at or near the site: restrooms, water, gas, public phone, store? If none, where are the nearest services along the route?*  Full facilities are located at or near the hotel in Dutch Harbor, Kodiak, and on the ship. COVID-19 Supplemental Information: | | |

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|  | In order to minimize the risk of spreading COVID-19 to or from the field team, visits to nearby facilities should be minimized and done only to support field operations. Members of the field team who visit facilities away from the field site(s) or otherwise interact with individuals outside of the field team must:  ● maintain social distancing of at least 6 feet at all times;  ● wear appropriate PPE (e.g., disposable gloves, masks); and  ● wash or sanitize their hands thoroughly prior to and after each visit. |
| --- | --- |
| **Side Trips** | *Are side trips planned or allowed during free time? Before or after the planned activities? Are there restrictions, specific rules, or expected code of conduct?*  No side trips are planned.  COVID-19 Supplemental Information:  In order to minimize the risk of spreading COVID-19 to or from the field team, there should be NO recreational side trips away from a field site. The response above should be “None”. |

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| **Participant Information** | |
| --- | --- |
| **Field Team/**  **Participants** | Chief Scientist: Ryan McCabe (206-526-6038)  UW Field Team Participant: Shannon Brown (847-445-2292)  Field Team/Participant list is attached and includes training documentation ☐ Other attachment: e.g. course roster  COVID-19 Supplemental Information:  The field team should be reduced to the minimum number necessary to safely carry out the work |
| **Physical**  **Demands** | *List any physical demands required for this trip and training/certification provided. (e.g. diving, swimming, hiking, climbing, high altitudes, respirators, heights, confined or restricted spaces, etc. (Consult with EH&S regarding appropriate training & documentation.)*  Working on the dock and the back deck of a ship with heavy gear. This work will occur when loading the ship in Dutch Harbor and while conducting several mooring operations in the Bering Sea. Gear won’t be offloaded until the Oscar Dyson returns to Washington. Shannon Brown is aware of these demands and is prepared to work in this environment. |
| **Mental Demands** | *List any unique mental demands required for this trip, e.g. long travel days, high stress environments, different cultural norms, etc.*  Mental demands are incurred while working in poor weather conditions with heavy equipment, and when maintaining COVID safety procedures. The cruise is long in itself, which will also be a stressor, and Shannon will be experiencing a new area for the first time, which may add stress. |
| **Lone Worker** | Is anyone working alone? ☐ Yes No *If yes, describe a communications plan with strict check-in procedures (daily at a minimum) and actions to be taken in the event of a failure to establish contact when expected. If cell coverage is unreliable, a satellite communication device and/or personal locator beacon must be carried.* |
| **First Aid Training** | UW policy (APS 10.5) requires that all academic and/or research field teams must include at least one person with valid first aid certification. The level of first aid training required will depend on the type of activity the team is pursuing; the location; and the availability, response time, and means of communication by and with emergency response units. The EH&S Training office (206-543-7201, ehstrain@uw.edu) can advise on the first aid training and certification requirements on a case-by-case basis.  *List team members trained in first aid, type of training received (e.g., First Aid, CPR, Wilderness First Aid), and date of certification. Copies of first aid certification should be attached to this plan.*  Shannon Brown - Adult First Aid/CPR/AED Online Only (Appendix 4)  COVID-19 Supplemental Information:  Compression-only CPR is an acceptable alternative for those who are unwilling, unable, untrained, or are no longer able to perform full CPR. |
| **Packing List** | Attach a copy of the packing list for your field team/participants, including information on who is responsible for providing specific supplies and/or PPE as applicable. (Appendix 3) |
| **Immunizations or Required Medical Evaluation** | For travel-related immunizations or medical advice, contact UW Travel Medicine 6-8 weeks in advance of departure. Consultations include country-by-country analysis of project itinerary and anticipated activities. |

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|  | As of October 2021, all University of Washington staff are required to be fully vaccinated against COVID-19. All Oscar Dyson crew traveling are required to be vaccinated and have provided proof to NOAA. No additional immunizations are required. |
| --- | --- |
| **Participant**  **Emergency**  **Contact**  **Information** | While the University cannot require field participants to provide current emergency contact information and proof of medical insurance, PIs are encouraged to request this information from all field trip participants so that they have the information on hand to give to medical providers if the field team participants are not able to do so themselves. This information should be 1) treated as confidential (i.e., locked, limited access and distribution); 2) accessed and shared only with health providers during an emergency; and 3) shredded immediately upon completion of the trip.  Encourage field team members to ensure their emergency contact information in Workday is current for use in case of an emergency.  ☐ Check box if optional Emergency Contact Information/Medical Information Forms have been collected. *If yes, describe security measures to be taken to ensure information is kept confidential and available to be used by medical personnel in the event of an emergency.* |
| **Volunteers** | UW Risk Services describes volunteers and the process for ensuring their work is authorized in writing and in advance so that they have access to both UW liability coverage and limited workers’ compensation coverage (medical payments only) for their approved duties.  Not applicable.  ☐ If your project involves volunteers, create a volunteer service agreement for each volunteer that documents the person’s name, a description of the duties they’ll be performing, and the dates and hours of work. Volunteer service should not be engaged in by individuals if is it is not permitted by their visa status and/or immigration law rules. |
| **Minors** | University Policy (APS 10.13) requires all UW and third party led youth programs to register with the UW Youth Program Registration System (YPRS). If your field project is employing volunteers or is otherwise engaging individuals under age 18:  ☐ register project in the YPRS;  ☐ confirm completion of both background checks and the two required trainings for all authorized personnel **before** your program start date.  It is recommended that you begin the YPRS registration process at least 1 month prior to the program start date. Contact the Youth at UW Program if you have questions.  Not applicable. |

**COVID-19 Supplemental Information**

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| **Attestations of Health** | Fieldwork involving daily travel to field site from home  ● Participants should follow the same protocols for daily attestations of health as UW researchers going into a UW facility (i.e., Daily attestations of well-being through Workday or other communications with a supervisor if Workday is not an option)  ● Personnel who feel ill may not participate in fieldwork and should notify their supervisor that they are unable to do so. In addition, if a member of their household develops symptoms of illness they must stay home and self-quarantine according to current CDC recommendations.  Fieldwork involving travel to a remote field site for longer than one day  ● Members of the field team who exhibit any symptoms of illness within 72 hours prior to departure MUST stay home.  ● Field team participants must submit an attestation (See Appendix B) to the field team leader immediately prior to departure before being allowed to participate.  ● Field Team leaders should incorporate daily in-person health check-ins as part of routine operations.  As of October 2021, all University of Washington staff are required to be fully vaccinated against COVID-19. All Oscar Dyson crew traveling are required to be vaccinated and have provided proof to NOAA. No additional immunizations are required. |
| --- | --- |
| **COVID-19 Virus Testing and**  **Quarantine** | Fieldwork involving travel to a remote field site for longer than one day  Members of the field team must quarantine and get tested for COVID-19 according to the EH&S COVID-19 Quarantine and Testing Risk Framework for Field Work.  By declaration of the governor of Washington State, we are currently in Phase 3. UW is following CDC guidelines that do not require quarantine and testing for domestic or international travel. However international travel requires testing to return to the US and adhering to the requirements of countries traveled to. When research vessels and partner institution scientists adhere to more conservative COVID guidelines, CICOES staff will follow the same protocols. Include the protocols as APPENDIX 5.  See Appendix 5 for detailed COVID-19 AFSC Policy. |
| **Activities, Equipment, and Supplies – Consult with EH&S for specific training and requirements** | |
| **Research**  **Activities** | *Briefly describe the goal of your field operations, e.g. collection of samples, observation of animals/environment, interviews with human subjects, etc.…*  Collect water samples for eDNA analysis from long-term EcoFOCI moored sites and along the Distributed Biological Observatories (DBO). We are using these samples to understand biodiversity changes in a rapidly warming Bering and Chukchi Seas that are already seeing northerly movements of Pollock and other species that did not traditionally occupy these sites. We are also deploying an automated sampler at M8 to uncover what the biodiversity of the ecosystem is during ice cover and also identify timing of key species moving into and out of the site during the spring/summer months. |
| **Field**  **Transportation** | *What vehicles will be used during field operations? e.g. chartered boat, paddle craft, car, ATV, truck with trailer, snowmobile, chartered plane or helicopter, etc.*  NOAA Ship *Oscar Dyson*  *Who is authorized to operate/use each vehicle?*  Commanding Officers Sarah Duncan |

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|  | COVID-19 Supplemental Information:  *Briefly describe additional transportation logistics that have been added in response to COVID 19. Vehicles should be single-occupancy to the extent possible and PPE/masks should be used when they aren’t.*  If relevant, please see UW EH&S Guidelines for COVID-19 Prevention During Small Boating Operations. |
| --- | --- |
| **Research Tools** | *Briefly describe tools or equipment that will be used to access the research site or during research activities. Indicate specific training required before use, e.g. sharps (knives, razors, needles), hand tools, chainsaws, power tools, heavy machinery, tractors, specialty equipment, firearms; lasers, portable welding/soldering devices; other hazardous equipment or tools.*  The UW Scientist will program and set-up one automated sampler for deployment. For programming, the UW Scientist will use their personal computer, which doesn’t require further sanitization as it isn’t shared equipment. The PPS samplers will be set-up outside and 6 feet of distance will be maintained. Gloves will be worn throughout the entire process, and participants will sanitize their hands before and after set-up. The devices’ deployment and moorings will be handled by the trained Oscar Dyson crew and scientific team.  The Oscar Dyson’s CTD rosette will be used to collect water samples. The ship’s crew are responsible for the equipment and deployment; the science party will discuss all procedures before starting an operation and will follow the instructions of the ship’s crew. Scientists will collect water from Niskin bottles and will filter the water with a peristaltic pump to collect environmental and microbial DNA. These samples will be preserved in 95% ethanol. Gloves will be worn throughout this entire process. In addition, in order to prevent cross-contamination, the sample bottles and all equipment will be routinely wiped down with bleach and then 70% ethanol (i.e., not at the same time). Water sample filtering will be performed in an open space and distance will be maintained from other crew members. When necessary to share hand-held equipment, equipment will be wiped down with Clorox bleach and 70% ethanol. Disinfectant wipes will only be used to clean spaces at the end of each day, if necessary.  All science personnel will have their own PPE including a hard hat, face mask, gloves, steel toed boots, float coat, and rain pants. Shipboard operations include the use of the cranes and winches to offload and load gear, and to deploy and recover moorings.  COVID-19 Supplemental Information:  ● Field crew members should be assigned individual field equipment (e.g., GPS units, binoculars, spotting scope, clipboard, and other miscellaneous field gear) for the duration of the field season to the extent possible.  ● Prior to use, field equipment should be cleaned with a disinfecting cleaner. Equipment should be sanitized again before it is returned at the end of the field season. ● If at any time there is a need to share equipment, crew members should wipe down the equipment first with disinfecting cleaner and thoroughly wash their hands afterward. *Briefly describe additional tool/equipment logistics that have been added in response to COVID 19.* |
| **Other Research Hazards** | *Describe other potential research-associated hazards e.g. handling or shipping hazardous materials (chemical, biological, radiation, and explosives), handling animals, climbing or working at heights, rigging; shoring/trenching, digging/entering excavations, caves, other confined spaces; drone use.* |

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|  | Deck work during the cruise and mooring operations will involve heavy lifting and rigging. Steel toed boots are required on deck during all craning and lifting operations. Hard hats are required for all deck work as are properly outfitted float coats and proper cold weather attire.  The only chemicals being used by the UW scientist is Clorox bleach, 70-95% ethanol, and disinfectant wipes (chlorinated ammonia compound). Ethanol will be stored in a chemical cabinet while not in use, and proper procedure will be taken to ensure chemicals aren’t mixed and to limit fumes in the lab space. In addition, only a small quantity (500 mL max) will be brought on board. Rapid test kits were recently purchased by AFSC. Crew will avoid touching their face (specifically eyes, mouth, and nose). Commonly touched surfaces (door handles, gas pumps, navigation equipment, controls, science gear, etc.) will be sanitized at the conclusion of operations each day. Sanitizing wipes are available for crew to use intermittently when needed throughout the day. Fresh water tanks and soap dispensers will be filled to ensure handwashing is available, along with hand sanitizer for all crew members. |
| --- | --- |
| **Personal**  **Protective**  **Equipment** | Required: Steel toed boots, hardhats, float coats, masks (surgical or KN95), disinfecting wipes Recommended: Cold weather gear  All scientists will be required to wear hard hats and float coats or vests while working on deck. These will be provided by the scientific party. In addition, whenever working on deck while loads are being lifted, steel toed boots are required to be worn. These are expected to be brought to the ship by each scientist as provided by their respective organizational group.  For PPE pertaining to COVID, please see Appendix 3 for the COVID PPE packing list.  COVID-19 Supplemental Information:  Keeping a distance (at least 6 feet) from other people is the best protection against COVID-19; however, wearing a mask can add another layer of protection, especially if you must be inside with others. Masks can help protect others by containing respiratory droplets when the mask wearer coughs, sneezes or speaks. Face coverings must not interfere with other PPE (e.g., eye shields), required for safety and must be compatible with all safety requirements.  **Face coverings are required:**  - When you are indoors where other people are present. A face covering is not needed when working alone in a private office or work area.  - When you are outdoors keeping a 6-foot distance from other people may not be possible. A face covering is not needed when you are outdoors (e.g., walking, exercising) when you are able to stay 6 feet away from other people.  Cloth face coverings do not replace job-specific requirements (see below) for use of personal protective equipment (PPE). EH&S provides a PPE selection matrix that can be used as a reference.  Individual PPE should be assigned to each member of the field team. *Describe when/how PPE is to be stored, used, cleaned, and disposed of as well as training on appropriate PPE use that will be done prior to use.*  ☒ Attach a copy of the list of PPE required to safely implement your field work that will be provided by the PI/Supervisor. An adequate supply of masks and disposable gloves should be included on this list. Current CDC guidance is to wear N95 NIOSH Level, KN95 GB2626- 2019 grade (China made), and KF94 (South Korea made) masks when required or recommended. No cloth masks are allowed. PPE should be purchased in advance to confirm availability prior to departure and the location of supplies should be announced to all team members. See: https://www.ehs.washington.edu/about/latest-news/level-your-facemask https://ehs.washington.edu/system/files/resources/voluntaryrespiratorform405.pdf |

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|  |  |
| --- | --- |
| **Supplies** | *Briefly describe the supplies needed to support the fieldwork, both for research/teaching and supporting functions (e.g., food, water, toilet paper). Indicate what will be brought from the point of departure and what will be acquired in the field.*  The scientists will provide all of the research gear and supplies. The Oscar Dyson will supply all normal daily cleaning supplies needed. Except for the PPE listed in Appendix 3, no daily cleaning supplies will need to be brought on board by the scientists.  COVID-19 Supplemental Information:  • Tissues, hand sanitizer and soap/potable water should be provided by the PI/Supervisor.  • Review the EH&S Cleaning and Disinfection Resources to help select appropriate disinfection products, including the use of EPA-registered disinfectants, and the manufacturer’s instructions for safe and effective use of all cleaning and disinfection products. Contact EH&S at ehsdept@uw.edu or 206-543-7262 with questions about cleaning and disinfection procedures.  ☒ Attach a copy of a list of COVID-19-related cleaning/disinfecting supplies required to safely implement your field work. These products should be purchased in advance to confirm availability and the location of supplies should be announced to all team members. |
| **First Aid**  **Supplies** | An emergency first aid kit should be available to the entire field team at all times.  Location and description of group medical/first aid kit(s): *Who is carrying it, where is it stored. Brief description of contents.*  While aboard the Oscar Dyson, a complete medical room is available which contains most supplies expected to be found in an emergency room at a hospital. This includes a defibrillator, suture equipment, and medical supplies and prescriptions needed. If a member field team requires urgent medical attention, emergency services should be called immediately.  COVID-19 Supplemental Information:  First aid kits must include single use thermometers and/or thermometers that can be sanitized between uses.  If a member of the field team requires immediate first aid that cannot be self-administered, another crew member may assist. All members of the field team involved in the emergency response (including the injured party) will sanitize their hands prior to and after care and wear personal protective equipment (e.g., gloves, face masks). |
| **Cleaning and**  **Sanitizing**  **Procedures** | *Briefly describe the cleaning and sanitizing procedures and responsibilities for all members of the field team. Description should include expectations regarding equipment, common spaces, food preparation/clean-up/storage, and actions that should be taken to mitigate damage to equipment, pests, wildlife incursions, spread of illness, etc.*  All members of the field team will be responsible for daily cleaning of shared living spaces if applicable. If equipment must be shared, it will be disinfected between uses. Upon boarding of the Oscar Dyson, wipes and disinfectant supplies are supplied.  COVID-19 Supplemental Information:  ● In alignment with public health recommendations, field teams should undertake enhanced cleaning and disinfection procedures. Increase the frequency of cleaning and disinfecting, |

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|  | focusing on high-touch surfaces in common areas, restrooms, etc. Increased frequency of cleaning and disinfecting with attention to these areas helps remove bacteria and viruses, including the novel coronavirus. Identify all high touch surfaces in communal spaces and disinfect them before and after use, and daily at a minimum.  ● Schedule any communal use equipment such that appropriate cleaning can take place before and after use.  ● Participants should be able to wash their hands often with soap and water, for at least 20 seconds, or use hand sanitizer that contains at least 60% alcohol if soap and water are not available. |
| --- | --- |
| **Food and Meals** | *Briefly describe how food and beverages will be made available to the field team (including preparation, distribution, and procurement). Indicate what will be brought from the point of departure and what will be acquired in the field.*  While in Dutch Harbor, meals will be purchased at the hotel or ordered to-go from local restaurants. In accordance with AFSC COVID guidelines, no indoor dining is allowed during the 72 contact reduction period. Meals will be taken outside or to your room to eat. Mess operations aboard the NOAA ship Oscar Dyson are back to normal operations.  COVID-19 Supplemental Information:  Fieldwork involving daily travel to field site from home  ● Individuals who travel daily to a field site should pack in their food/water each day. Provisions should not be shared with other crew members.  Fieldwork involving travel to a remote field site for longer than one day  ● Where practicable, establish social distancing policies and procedures around meals. E.g., o Adjusting mealtimes to facilitate social distancing while eating  o Shift food service operations away from self-service  o Participants should wash or sanitize their hands before and after meals |

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| **Additional Considerations** | |
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| **Insurance** | **Equipment Insurance**  University property and equipment is not automatically insured. UW Equipment Insurance is a campus-wide online program administered by Risk Services which provides optional, low cost coverage to University departments for owned, leased or borrowed equipment used for UW work.  **Travel Insurance**  University employees, including student employees, are covered by Washington State L&I for work-related injuries. However, for personal health care issues, employees may want to look into getting supplemental insurance when away from home on travel. Students, including student employees, **must** purchase CISI travel insurance prior to international travel and can contact CISI at 1.855.327.1419 (toll-free) or 1.630.694.9794 (accepts Collect calls).  All scientists will be purchasing MedEvac Insurance on top of the already supplied coverage.  COVID-19 Supplemental Information:  All official travel outside the U.S. by UW employees and students is restricted. Faculty and staff researchers may apply for an exceptional waiver to the current official travel restrictions. This may require endorsement by their Dean/s and the UW Office of Research. Note that even with a waiver, personal evacuation insurance may be required, as UW insurance does not cover international travel at this time. |
| **Animal Research** | ☐ Does your fieldwork require a Collection, Import, Transfer or other permit? If yes, attach a copy of all permits to this Plan.  ☐ If research will be done with animals at a foreign site, identify whether institutional reviews will be required and whether there will be additional costs for those reviews.  Not applicable |
| **Human Subjects Research** | If research will be done with human subjects at the foreign site, determine which of the following reviews will be required. Also, identify whether translation services will be required and if there will be additional costs for foreign reviews.  ● UW human subjects review  ● Sponsor’s requirement for human subjects review  ● Foreign collaborator’s requirement for human subjects review  Compensation for research subjects in economically disadvantaged settings should be consistent with local norms. See guidance from the U.S. Department of Health and Human Services on international human subjects.  COVID-19 Supplemental Information:  Please see the Human Subjects Division website for the latest information on permissible human subjects research.  Not applicable |

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| **Campus Contacts** | |
| --- | --- |
| **Primary**  **Department**  **Contacts** | **John Horne, CICOES Executive Director, jhorne@uw.edu, 206-616-6890 Fred Averick, CICOES Assistant Director, faverick@uw.edu, 206-616-6763 Collen Marquist, CICOES Safety & Health Manager, marquist@uw.edu, 206-330-6740** These individuals should have access to a copy of your final project Health and Safety Plan. |
| **Mental Health** | Employees: CareLink (24 hours a day, 7 days a week, 866-598-3978)  Students  ● Bothell: Counseling Center (425-352-3183)  ● Seattle: Counseling Center (206-543-1240) and Hall Health Mental Health (206-543- 5030)  ● Tacoma: Counseling & Psychological Services (uwtcaps@uw.edu)  ● While Abroad – The UW Student Abroad Insurance has mental health coverage. Students can arrange to see a mental health provider in-person locally or remotely.  National Suicide Prevention Lifeline (24 hours a day, 7 days a week, 800-273-8255) |
| **Environmental Health and**  **Safety (EH&S)** | 206-543-7262, ehsdept@uw.edu |
| **International**  **Assistance** | Emergency assistance  1. Take whatever actions are necessary to assure your immediate safety. 2. Call the local emergency number.  3. Call CISI at 1-855-327-1419 (toll-free) or 1-630-694-9794 (accepts Collect calls). 4. Contact the UW Global Emergency line at 001-206-632-0153 for further assistance.  Non-emergency assistance  If the incident is no longer an immediate or potential risk to health, safety or security, report it to the UW Global Travel Security Manager during the next business day at 001-206-616-7927 and/or travelemergency@uw.edu. For time sensitive matters, please call versus emailing. |
| **Report Injuries and Accidents** | Report any work-related injury or illness to your supervisor as soon as possible. After reporting the incident to your supervisor, submit a report of the incident within 24 hours to EH&S via the UW’s Online Accident Reporting System (OARS).  **Call EH&S immediately at 206-543-7262 if the incident involves any of the following:** ● In-patient hospitalization  ● Recombinant/synthetic DNA exposure or spill  ● Fatality  EH&S must immediately report any employee in-patient hospitalization or fatality to Washington State Department of Labor & Industries (L&I). Do not move any equipment involved in the incident until EH&S receives clearance from L&I.  **Outside of EH&S business hours (8:00 a.m. to 5:00 p.m., Monday to Friday), call the UW Police Department (UWPD) at 206-685-UWPD (8973).** UWPD will notify an EH&S on-call staff member. |
| **Report**  **Harassment** | All members of the UW community have the right to a non-harassing (both sexual and non sexual in nature) and non-discriminatory environment both on campus and in fieldwork situations. Individuals are encouraged to bring up safety and well-being concerns for themselves or others with the following individuals:  **Field Team** |

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|  | ● Field Team Leader/Chief Scientist: Ryan McCabe  ● Another senior person: Commanding Officer Sarah Duncan  ● Other members of the science team: Catherine Berchok (AFSC), Emily Bowers (NWFSC), Deana Crouser (AFSC), Iris Ekmanis (PMEL), Libby Logerwell (AFSC), Julia Matteucci (USFWS), and Eric Wisegarver (PMEL)  ● On-site anonymous reporting mechanism: N/A  **UW Resources and Reporting**  *(NOTE: UW Advocates and Offices may be contacted regardless of the institutional affiliation(s) of the individuals involved).*  Confidential Advocates for support, information and assistance  ● Faculty/Postdocs/Staff - Victim Advocate: UWPDAdvocate@uw.edu, 206-543-9337 ● Students  o Bothell: Violence Prevention and Advocacy Program Manager, uwbvae@uw.edu, 425-352-3851  o Seattle: Livewell Student Advocate: hwadvoc@uw.edu, 206-685-4357 o Tacoma: Assistant Director for Student Advocacy and Support, uwtsva@uw.edu, 253-692-5934  Other University Resources  ● SafeCampus: 24 hours a day, 7 days a week, 206-685-7233  ● UW Global Emergency Line for international assistance: 206-632-0153 (Emergency) or 206-616-7927 (Non-Emergency)  ● Office of Ombud (office hours): ombuds@uw.edu, 206-543-6028  **Other**  ● Campus/Home Buddy: Matt Galaska |
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**COVID-19 Supplemental Information**

| **Reporting Cases of COVID-19** | If a member of the field team shows any symptoms of COVID-19 infection, they should do the following:  1. Isolate themselves from all other members of the field team  2. Contact their health care provider in advance or a UW Medicine facility to discuss whether they should be evacuated and/or tested. Do not go directly to a clinic. 3. Contact UW EH&S Employee Health Center at covidehc@uw.edu or 206-616-3344. They will help facilitate testing and provide next steps for field group tracking and contract tracing.  Field team leads are required to direct personnel to follow the steps in the FAQ “What do I do if I feel sick?,” which includes the above information. |
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| **First Aid Reference – Signs & Symptoms Relevant to Conditions of Proposed Fieldwork** | | |
| --- | --- | --- |
| **Signs & Symptoms** | **Treatment** | **Response Action:** |
| **HEAT EXHAUSTION**  ● Dizziness  ● Headache  ● Sweaty skin  ● Weakness  ● Cramps  ● Nausea and/or vomiting  ● Rapid heart rate | 1. Stop all exertion.  2. Move to a cool shaded place. Hydrate with cool water. | Heat exhaustion is the most common type of heat illness. Initiate treatment. If no  improvement, call 911 and seek medical help. Do not return to work in the sun. Heat exhaustion can progress to heat stroke. |
| **HEAT STROKE**  ● Confused, disoriented,  irritable, combative  ● Convulsions/seizures  ● Fainting  ● Poor balance/coordination ● Hot, dry and red skin  ● Fever, body temperature above 104 °F | 1. Move (gently) to a cooler spot in shade.  2. Loosen clothing and spray clothes and exposed skin  with water and fan.  3. Cool by placing ice or cold packs along neck, chest,  armpits and groin (Do not  place ice directly on skin) | **Call 911 or seek medical help**  **immediately.**  **Heat stroke is a life-threatening medical emergency. A victim can die within minutes if not properly treated. Efforts to reduce body temperature must begin immediately!** |
| **COLD STRESS (moderate to severe)**  ● Shivering stops  ● Confused, disoriented  ● Poor coordination  ● Dilated pupils  ● Pulse/breathing slow  ● Loss of consciousness | 1. Move to a warm, dry area. 2. Remove wet clothes and replace with dry clothes, cover the body (including the head and neck – NOT face) with layers of blankets; and with a vapor barrier. Warm bottles or hot packs can be placed in armpits, sides of chest, and groin.  3. If conscious, give warm, sweetened, non-alcoholic  drinks. | **Call 911 or seek medical help**  **immediately.**  **Hypothermia can be a life-threatening medical emergency. A victim can die if not properly treated. Efforts to rewarm the individuals must begin immediately!** |

**COVID-19 Supplemental Information**

| **Signs & Symptoms** | **Treatment** | **Response Action:** |
| --- | --- | --- |
| **COVID-19**  People with COVID-19 have had a wide range of symptoms  reported – ranging from mild symptoms to severe illness.  Symptoms may appear **2-14 days after exposure to the virus** and may include:  ● Cough  ● Shortness of breath or  difficulty breathing  ● Fever  ● Chills  ● Muscle pain  ● Sore throat  ● New loss of taste or smell ● Runny nose  ● Headache  ● Nausea or vomiting  ● Diarrhea | *If members of the field team begin experiencing symptoms while in the field, they should avoid all contact with other members of the field team. Describe specific isolation plans for individuals who exhibit mild*  *symptoms of COVID-19 and*  *evacuation plans for individuals when isolation is not possible, and/or who exhibit symptoms of concern, and/or who are directed to leave the field site by medical professionals.*  Additional UW guidance on health, wellness, and prevention FAQs can be found on the UW COVID-19 webpage:  https://www.washington.edu/coronavi rus/ | **When to Seek Emergency Medical Attention**  Look for emergency warning signs\* for COVID-19. **If someone is showing any of these signs, seek emergency medical care immediately:**  ● Trouble breathing  ● Persistent pain or pressure in the chest  ● New confusion  ● Inability to wake or stay awake ● Bluish lips or face  \*This list is not all possible symptoms. Please call a medical provider for any other symptoms that are severe or concerning to you.  Members of the field team who develop a suspected or confirmed case of COVID-19 should report it to UW EH&S Employee Health (206-616-3344 or |

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| The UW Coronavirus website and CDC are resources for current lists of COVID-19 symptoms. |  | covidehc@uw.edu) for public health follow up. |
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**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

| **Appendices** |
| --- |

A) Emergency Contact Information/Medical Information Form (OPTIONAL)

B) COVID-19 Symptom Attestation Prior to Departure for Fieldwork Involving Overnight Travel

1) Map of EcoFoci Fall Mooring Cruise Sampling Plan

2) Map with specific directions to closest Emergency Department in Dutch Harbor, AK and Kodiak, AK 3) Participant packing list, List of PPE provided by PI/Supervisor, Supplemental COVID-19 supply list (e.g., hand sanitizer, soap, disinfecting products)

4) First Aid Training Certification(s)

5) Supplemental Safety Plans, as applicable (e.g., small boats, diving, planes, COVID guidelines)

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**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

**Appendix A. Emergency Contact Information/Medical Information Form (OPTIONAL)** *(This information remains confidential and used only in case of emergency)*

Your Name: DO NOT FILL IN THIS FORM. LEAVE IT BLANK IN THE PLAN.

**Emergency Contact 1:**

Name: IT IS ASSUMED YOUR CONTACT INFORMATION IN WORKDAY IS CURRENT.

Relationship to you:

Address:

Phone number(s):

Email:

**Emergency Contact 2:**

Name:

Relationship to you:

Address:

Phone number(s):

Email:

**Please include any other relevant information here:**

**Permission for Medical Treatment**

I hereby give permission to the medical personnel selected by the University of Washington to secure medical evaluation and any treatment necessary to preserve life and bodily function unless exceptions are noted below:

Exceptions (if none, write none):

I am allergic to the following

medications (response optional):

Other medical conditions about

which those providing medical

treatment should be aware

(response optional):

Insurance Provider/Policy #

Contact Information:

Signature:

Date:

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**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

**Appendix B. COVID-19 Symptom Attestation Prior to Departure for Fieldwork Involving Overnight Travel** The following text should be sent by email to a field team leader by all members of the field team immediately prior to departure for fieldwork involving overnight travel. Daily attestations in Workday should be made for fieldwork that is conducted by daily travel to the site from the participants’ homes. Members of the field team who do not submit attestations are not allowed to participate in fieldwork.

**In the last 72 hours, have you experienced any of the following symptoms:**

• A new fever (100.4 F or higher) or a sense of having a fever?

• A new cough that you cannot attribute to another health condition?

• New shortness of breath that you cannot attribute to another health condition?

• A new sore throat that you cannot attribute to another health condition?

• New muscle pain that you cannot attribute to another health condition or that may have been caused by a specific activity, such as physical exercise?

• New gastrointestinal symptoms, such as nausea, vomiting or diarrhea that you cannot attribute to another health condition?

• New respiratory symptoms, such as a runny nose, that you cannot attribute to another health condition? • New chills that you cannot attribute to another health condition?

• New loss of taste or smell that you cannot attribute to another health condition?

• A new headache that you cannot attribute to another health condition or emotional reason? • New fatigue that you cannot attribute to another health condition?

**If you are sick or have one or more of the above symptoms:**

● You must stay home and cannot participate in the fieldwork until at least 10 days since symptoms first appeared and at least 24 hours with no fever without fever-reducing medication and symptoms have improved.

● Follow your department’s procedure for calling out sick or requesting to work from home. ● Contact your health care provider for medical guidance.

● Follow the guidance on the FAQ What do I do if I feel sick? at the UWs Novel coronavirus & COVID-19 facts & resources webpage.

By sending this email, I attest that:

I have read the above statement YES

*and*

I attest that I do not have any of the above symptoms. YES

*and*

I have not knowingly been in contact with COVID-19 cases or high-risk regions for at least 14 days. YES Signed,

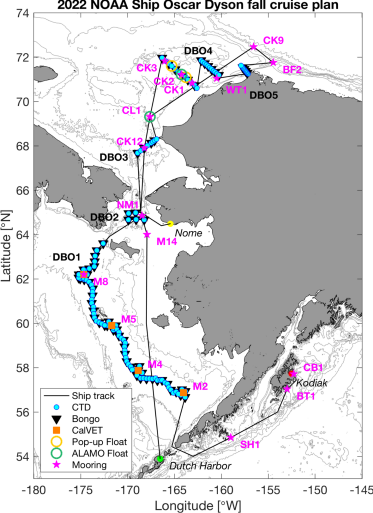


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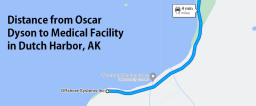
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**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

**Appendix 1. Map of EcoFoci Fall Mooring Cruise Sampling Plan**

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**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

**Appendix 2. Map with directions to emergency department in Dutch Harbor, AK and Kodiak, AK **

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**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

**Appendix 3. Participant Packing List including Supplemental COVID-19 Supplies**

**Scientific Equipment**

Gloves (3 L boxes)

Safety goggles (1)

Zip ties (small/large)

String/Bungees

Writing utensils and labels/labeling supplies (in plastic bag)

Kim wipes (2 boxes)

Aluminum foil (1 box)

Notebook (1)

Paper towels (2 rolls)

Ziplock bags (Box of 60)

Trash bags

Lab coat

Buckets (4)

Bleach (2 gallons)

Filled RO carboy (2)

Bottle for RO water, ethanol, and bleach

Peristaltic pump + pump accessories bag

Sterivex filters + end caps

Whirlpaks (240)

1 L brown Nalgene bottles (Quantity: 37)

Tubing (Quantity: 42)

95% ethanol (10 x 50 mL tubes; 500 ml bottle)

P1000 and tips (5 boxes)

Parafilm

50 mL falcon tubes (25)

Tube rack

Coolers/techni ice for sample storage

Automated sampler toolkit, tubing, syringes, and filters

**Personal Gear**

Mustang Float Coat

Rain Pants

Warm work gloves

Warm layers

Steel-toed boots

**COVID-19 Supplementary Gear**

Face Masks – Cloth or disposable (1/day for cloth or 5/day for disposable)

Gloves (5 pairs/ day)

Goggles/Eye Protection (1 pair/ person)

Disinfecting wipes

Hand sanitizer (1 small bottle/ person + extra)

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**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

**Appendix 4. First Aid Training Certification**

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**UW Fieldwork Health and Safety Plan (COVID-19 Prevention): Return: Phase 3** *updated March 7, 2022*

**Appendix 5. Alaska Fisheries Science Center (AFSC) COVID Guidelines**

Pre-travel: A 10-day reduced contact period is required. This does not have to be complete isolation but a reduction in higher exposure activities like indoor dining, large gatherings (inside or out), use grocery pick up as available, etc.

Within 72 hours of travel: A negative PCR test result before you fly. The most important piece: if you are positive, DO NOT fly. There are some exceptions here for the testing:

● Exception 1- Recent COVID infection (past 90 days): You may switch the required PCR test for an at-home antigen test. The AFSC COVID committee recommends that if you fall into this exception, before you enter your 10-day reduction period, go get a PCR test to see if you are still positive. If you are positive with a PCR test, negative with the at-home test, and are confident the positive result is from your recent bout of illness (no symptoms), you are then able to use the at-home antigen test in lieu of the PCR test 72 hours before you travel. If you are testing negative, then you should use the PCR test within 72 hours of travel.

● Exception 2- PCR test results are unavailable in time for your flight: Take an at-home antigen test. If it is negative, you are clear to fly.

Flight: Regardless of the TSA regulations, you are required to mask during your flight when not eating or drinking.

In port 72-hour contact reduction period: You are clear to work on the vessel to set up for the survey, to make short trips to the store and/or get take out, and to exercise outdoors. If transportation is shared due to vehicle availability, masks are required and windows must be down. Masks are required when indoors. No indoor dining, please take meals outside or to your room to eat.

On the vessel: Once all individuals test negative, you are allowed to unmask. At this point, no one should leave the vessel.

Return to office post survey: 14-day contact reduction period recommended but not necessary if at-home test is negative 5-7 days after flight and you are symptom-free.

General thoughts:

● AFSC has COVID tests in addition to the vessel's tests. These tests are requested by the field chief. ● If in doubt, test and listen to your body.

● Keep notes of your health on the attached Daily Health Questionnaire. These do not get submitted to anyone but if an infection does happen, it will help determine when you became infected. ● Medevac coverage is highly encouraged.

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