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Introduction

In 2018 Clallam Marine Resources Committee (Clallam MRC) coordinated or hosted four educational outreach events focusing on oil spill preparedness. The events included:

- February 10th 8-hour HAZWOPER training
- March 14th oil spill webinar
- March 24th oiled wildlife rescue class focusing on search and capture
- March 31st oiled wildlife rescue class focusing on basic intake and stabilization.

Three of the four events took place in March which prompted the Clallam MRC to declare the month of March as “Oil Spill Preparedness Month.” The Clallam County Commissioners signed a proclamation in support of the Oil Spill Preparedness Month (Appendix A). A flyer summarizing the three events was sent out to numerous list servers (Appendix A). In addition, the Oil Spill Preparedness Month and the proclamation were featured on the Clallam MRC website. This report summarizes the highlights of the HAZWOPER training and oiled wildlife rescue classes including media releases, articles, produced materials and evaluation results.

HAZWOPER Training

Once a year Clallam MRC along with Washington Department of Fish & Wildlife, the U.S. Coast Guard, Focus Wildlife and Washington Department of Ecology host a HAZWOPER training in Port Angeles; one of only two trainings offered west of the Cascade Mountains. The training was held February 10th in the Port Angeles City Council chambers.

This year the format of the class was changed based on feedback from previous years’ participants. To better connect the participants with the class material, the presenters had crafted a classroom experience whereby a story unfolded based on a past exercise. The focus was an oil spill in Victoria, B.C. and the information was grouped into four major topics: ICS 201, ICS 208 Safety Plan, Wildlife Branch Plan and the Wildlife Care Center. The agenda for the training is provided in Appendix B. Each participant received an Oiled Wildlife HAZWOPER Training Course Handbook. Figure 1 presents the cover of the handbook and a map of the oil spill location used in the exercise.

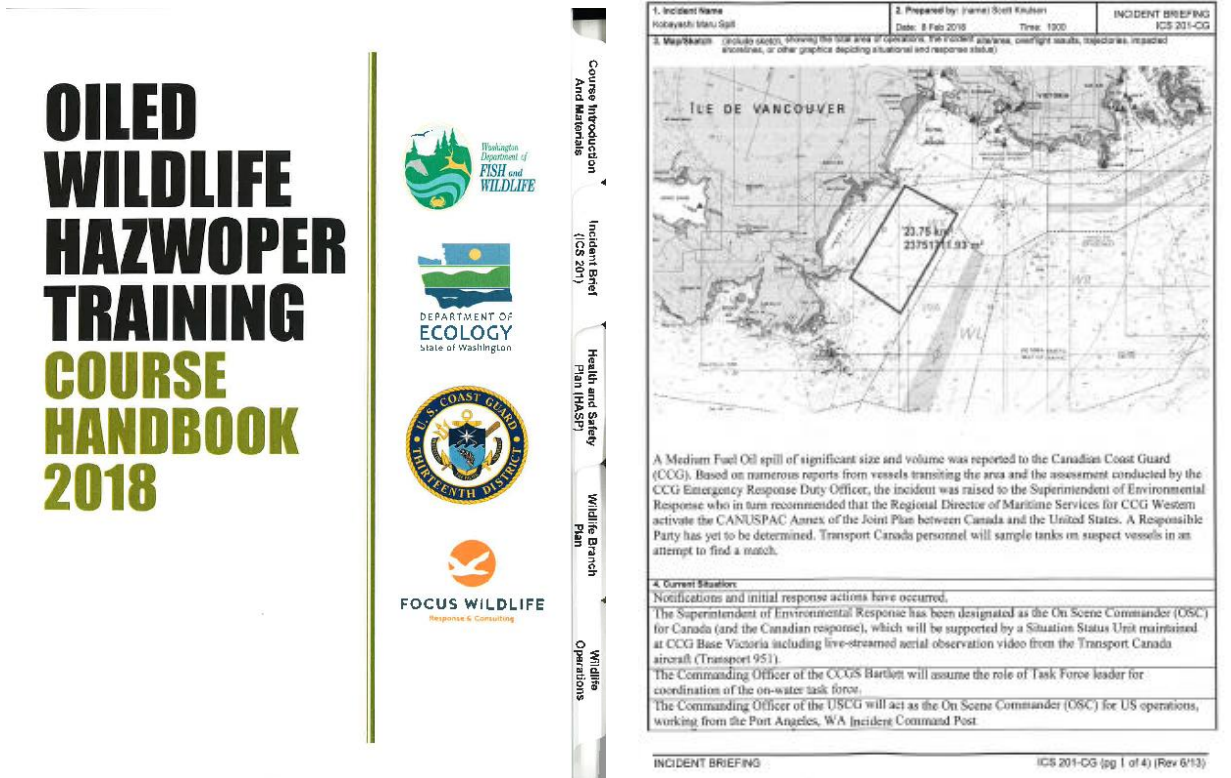


Figure 1. Cover of handbook and a map of the oil spill location

Upon completion the participants received an 8-hour Hazardous Waste Operations and Emergency Response certificate. An annual renewal of the certificate is a requirement for being able to work in the field during an oil spill. A total of 33 participants completed the training and received the HAZWOPER certificate. Since 2010 more than 530 volunteers have received the annual required HAZWOPER certificate through the training held in Port Angeles.



Figure 2. Presenters introducing the oil spill exercise to the participants

Media Coverage

The HAZWOPER training was advertised through Department of Ecology's website www.oilspills101.wa.gov and their oil spill list server. Information on the HAZWOPER training was posted on CMRC website and on NWSC social media.

The Peninsula Daily News wrote an article about HAZWOPER training in February <http://www.peninsuladailynews.com/news/free-oiled-wildlife-training-scheduled-in-port-angeles-next-month/>

Produced Material

The flyer below was produced by Clallam MRC and posted at several locations throughout Port Angeles and on their website.

Free Oiled Wildlife HAZWOPER Training

February 10, 2018

Where: City Council Chambers
321 East 5th Street

Port Angeles, WA 98362

Time: 8:00 am—5:00 pm



This one-day interactive training will help you understand how to recognize, react, and protect yourself from the hazards associated with an oil spill. The class will cover hazardous situation recognition, personal protective equipment, decontamination procedures, and an overview of how oil spill response operations are conducted. The class also examines hazards associated with working around oiled wildlife. While some of the subject matter discussed is related to oiled wildlife specific hazards, this training is not a wildlife handling or treatment course.

Two ways to register:

- Go to www.oilspills101.wa.gov
- Send an email to Nhi Irwin at nhi.irwin@ecy.wa.gov with the preferred date of attendance. If you are registering for more than one person, please provide their name and email address as well.



Evaluation Results

The evaluation criterion for the HAZWOPER training was the number of volunteers completing the training. A total of 33 volunteers participated in and completed the HAZWOPER training. Feedback from the participants after the training was that the new format was much better and more engaging than the old training format.

Oiled Wildlife Training

Every year Clallam MRC and Island Oil Spill Association (IOSA) partner to host two oiled wildlife classes at the Clallam Fairgrounds. This year the two classes were held March 24th and 31st. The first class focused on search and capture. The participants learned about search & collection procedures including stalking and netting birds and how to perform an initial “beak-to-tail” examination and safely handle birds. The last part of the training was conducted in the field at Ediz Hook where the participants practiced search and capture techniques.

The second oiled wildlife training focused on basic intake and stabilization. The participants learned basic bird anatomy and how to take care of oiled birds. The training included working with live ducks learning how to hold, weigh, and give them fluids and how to perform a general health examination. The participants also had the opportunity to examine several different species of dead frozen birds. Both classes covered health & safety and general facility requirements. Each class concluded with an exercise that required volunteer participants to demonstrate lessons learned. Figure 3 presents a few pictures taken during the two classes. A total of 16 volunteers completed the first class and 13 volunteers the second class. Since 2010 more than 350 volunteers have received the oiled wildlife training through this program in Port Angeles.

Media Coverage

The oil wildlife classes were verbally advertised at the HAZWOPER training in both Port Angeles and Everett. Information on the two oiled wildlife classes was posted on CMRC website and on NWSC social media.

The Peninsula Daily News wrote an article about the three oil spill related events in March <http://www.peninsuladailynews.com/news/events-set-to-promote-oil-spill-preparedness-month/>



Figure 3. Bird examinations and practise capturing birds in the field

Produced Material

The flyer below was produced by Clallam MRC and posted at several locations throughout Port Angeles and on their website.



Free Oiled Wildlife Training, March 24 and 31, 2018,
at Clallam County Fairgrounds
1608 W 16th St, Port Angeles

MARCH 24—SEARCH AND CAPTURE
MAX 30 PARTICIPANTS
The 8-hr class will cover:

- Health & safety
- Search & collection planning
- Netting, stalking, teamwork, gear
- Effects of oil & secondary complications
- “Beak-to-tail” examination & treatment
- Bird handling, intubation / hydration

MARCH 31—BASIC INTAKE & STABILIZATION
MAX 25 PARTICIPANTS
The 8-hr class will cover:

- Health & safety: Facility requirements
- Bird anatomy & family characteristics
- Effects of oil & secondary complications
- Hands-on bird anatomy and basic examination
- Bird handling, intubation / hydration

Register at <http://www.clallamcountymrc.org/> or contact handersen@co.clallam.wa.us or 360-417-2416



Photo Credit: Justin Sullivan

After completing the class each participant received a certificate signed by the lead instructor Julie Knight.



Certificate of Training

This certifies that

Gretchen Roubik

Has successfully completed eight hours of training in

Search & Collection of Oiled Birds

The training was conducted March 24, 2018
Clallam County Fairgrounds
1608 W 16th Street.
Port Angeles, Washington

Julie Knight
Instructor
Islands' Oil Spill Association

Safety Topics for Search & Collection Class

2 hours of the 8 hours of training covered safety-related topics which count toward the HAZWOPER hours (Hazardous Waste Operations & Emergency Response):

- Site Safety Plan for Search & Collection teams
- Definition of 8-hr HAZWOPER requirements vs. 24-hr HAZWOPER requirements and the relationship to the physical environment teams may work in
- Safety briefing for field crews
- Communications in the field
- Use of safety supply backpack & first aid supplies in the field
- Safe bird handling & capture methods & related practice sessions
- Practice working with partner to remove birds from under net and in & out of boxes
- Safe methods for giving oral fluid using catheter & syringe

Islands' Oil Spill Association, PO Box 12, Lopez Island, Washington 98261
Phone: 360-468-3441 Email: iosaooffice@rockisland.com
Website: iosasonline.org



Certificate of Training

This certifies that

Marlene Staton

Has successfully completed eight hours of training in

Safe Handling & Care of Oiled Birds

The training was conducted March 31, 2018
Clallam County Fairgrounds
1608 W 16th Street.
Port Angeles, Washington

Julie Knight
Instructor
Islands' Oil Spill Association

Safety Topics for the Basic Wildlife Care Class

2 hours of the 8 hours of training covered safety-related topics which count toward the HAZWOPER hours (Hazardous Waste Operations & Emergency Response):

- Facility safety including heat and evaporation induced fumes
- Safety gear including glasses, gloves, Tyvec suites, raingear and boots
- Bird families & their specific behaviors that can be risky for caretakers
- Requirements for heat lamps, water, and electrical outlets
- Disease transmission & prevention in the primary care facility
- Prevention of fungal infections/aspergillosis with increased humidity

Islands' Oil Spill Association, PO Box 12, Lopez Island, Washington 98261
Phone: 360-468-3441 Email: iosaooffice@rockisland.com
Website: iosasonline.org

Evaluation Results

The evaluation criterion for the oiled wildlife classes was the number of volunteers completing the trainings. A total of 16 volunteers completed the first class and 13 volunteers the second class. Because of the lower participation turnout the Clallam MRC and IOSA decided to combine the two classes in spring of 2019 and only offer one 8-hr oiled wildlife training.

Appendix A
Oil Spill Preparedness Month
Proclamation
Flyer



PROCLAMATION

RECOGNIZING MARCH AS CLALLAM COUNTY OIL SPILL PREPAREDNESS MONTH

WHEREAS, Clallam County has experienced oil spill disasters in the past and with the projected oil traffic increase in the Strait of Juan de Fuca we remain vulnerable to these man-made disasters in the future; and

WHEREAS, the loss of wildlife and damage to properties and shorelines can be greatly reduced if oil spill preparedness measures are taken before, during, and after an oil spill; and

WHEREAS, the citizens of our County, giving the opportunity to participate in oil spill preparedness training and awareness forums, can provide critical assistance in reducing the impacts to wildlife, properties and shorelines following an oil spill; and

WHEREAS, Jay Inslee, Governor of the State of Washington, in 2015 signed the Oil Transportation Safety Act to help protect Washington from the risks associated with transporting oil; and

WHEREAS, the importance of oil spill preparedness will be highlighted during the month of March as the Clallam Marine Resources Committee, Island Oil Spill Association, Department of Ecology and Surfrider Foundation offer several trainings and forums in the county to promote awareness of the importance of oil spill preparedness.

NOW, THEREFORE BE IT PROCLAIMED the Board of Clallam County Commissioners hereby declare March as

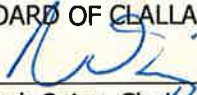
Oil Spill Preparedness Month


in Clallam County and encourage all citizens to increase their knowledge and awareness of proper safety measures and to follow before, during, and after an oil spill disaster.

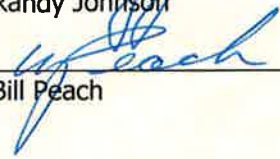
Signed this sixth day of March 2018



BOARD OF CLALLAM COUNTY COMMISSIONERS


Mark Ozias, Chair


Randy Johnson


Bill Peach

Clallam Marine Resources Committee and its partners invite you to participate in the “**March 2018 – Oil Spill Preparedness Month**” by offering the following three events:

March 14th Webinar "Staying Prepared in an Evolving World of Oil Movement" at 12 - 1 pm



More than 20 billion gallons of oil moves through Washington each year, carried by vessel, pipeline, road, and rail. You are invited to an online webinar to learn about the recent improvements and current challenges Washington state environmental regulators face to keep the state's oil spill program strong. Learn about bulk oil movement in Washington, implementation of the 2015 Oil Transportation Safety Act, properties of oil and potential impacts from spills, existing

response capability and opportunities for staying involved.

The webinar will be hosted by NWSC and Clallam MRC and presented by Dale Jensen, Program Manager and Linda Pilkey-Jarvis, Preparedness Manager, Department of Ecology Spills Program.

Join the webinar by clicking on this link:

<https://watech.webex.com/watech/j.php?MTID=m1586245d9d84d4a96259e47117c288da>

Meeting password: spills18

March 24th Free Oiled Wildlife Training - Search and Capture

The training, offered by Island Oil Spill Association and Clallam MRC, will take place at the Clallam County Fairgrounds starting at 8 am. The 8-hour training will cover:

- Health & safety
- Search & collection planning
- Netting, stalking, teamwork, gear
- Effects of oil & secondary complications
- “Beak-to-tail” examination & treatment
- Bird handling, intubation / hydration



March 31th Free Oiled Wildlife Training - Basic Intake & Stabilization

The training, offered by Island Oil Spill Association and Clallam MRC, will take place at the Clallam County Fairgrounds starting at 8 am. The 8-hour training will cover:

- Health & safety. Facility requirements
- Bird anatomy & family characteristics
- Effects of oil & secondary complications
- Hands-on bird anatomy and basic examination
- Bird handling, intubation / hydration

You can sign up for one or both trainings at

<http://www.clallamcountymrc.org/> or by contacting Helle Andersen at 360-417-2416, 360-808-4984 or handersen@co.clallam.wa.us



Appendix B
HAZWOPER 2018 Agenda

Wildlife Volunteer HAZWOPER Training

Premise: Per our discussion and previous feedback from wildlife classes, we know eight hours is a long time to view PowerPoint presentations. In an attempt to better connect the students to the class material, we are crafting a classroom experience whereby a story unfolds based on a past exercise. It will all start with a spill in Victoria, British Columbia. We will weave all of our information into four major topics: ICS 201, ICS 208 Safety Plan, Wildlife Branch Plan and the Wildlife Care Center.

End State: Train wildlife volunteers in order to satisfy an eight-hour HAZWOPER refresher course.

0730 – 0800 Check-in

Action(s):

Greet students on their way into class as an ice breaker and welcome

Product(s):

ICS 211P check-in sheet on which students mark an "X" next to their name to denote attendance

0800 – 0840 Safety Brief Course Summary and Introduction of instructors and students

Action(s):

Nhi Irwin highlights overall Ecology/Washington Department of Fish and Wildlife Volunteer program

Product(s):

Introduction PowerPoint

0840-0910 Incident Brief (ICS 201) Agenda

Objective: Using the ICS 201 Incident Briefing form, instructors will make use of the Kobayashi Maru Spill as a case study to set the tone for the day. The goal is to teach the same material as in previous classes but to make it feel like a more interactive experience. The case study is an actual deployment exercise from which we have aerial and surface photos. We will act out an ICS 201 briefing using the IMH agenda and the PSC and OPS; SITL will emphasize the highlights in the document. We will also touch on other ICS forms as relevant. There will be a Situation Unit board on the wall as a backdrop.

Action(s):

PSC Knutson (IMH), IC West (201*), SITL Irwin (Script*)

Product(s):

ICS 201 and 201 quiz in class textbook

Planning "P" posted/projected

Meeting Ground Rules posted

201 Meeting Agenda posted

Aerial photos to be projected

1. Current situation. (include territory, exposures, safety concerns, etc.; use map and/or charts)
2. Facilities established
3. Initial objectives and priorities
4. Current and planned actions.
5. Current on-scene organization
6. Methods of communication and current frequencies used
7. Resource assignments
8. Resources ordered and/or en-route
9. Potential incident complexity
10. Notifications completed
11. Resources at risk
12. Overflight report

0910-0930 Complete Workbook Exercise; Break

0930-1145 Health and Safety Plan (HASP)

Objective: Instructors will use the Health and Safety Plan from the Kobayashi Maru Spill as the main vehicle to brief students about the Health and Safety Plan. We will also insert additional materials into the HASP as needed to support assigned presentations: Hazards of Oil Spill Response, Wildlife Hazards/PPE, Non-oil hazards, Decontamination and the Safety Data Sheet. I have assigned topics; however, I am doing this in a vacuum and we will discuss during our next call. My intentions with the Aerial Map is it can be a visual tool for the class.

Action(s):

SOFR Ohman (HASP)-20 Min

ASOF West (SDS)-15 Min

SOFR Ohman (Air Monitoring and Sampling Plan)-10-Min

Break-15 Min

ASOF Moretti (Hazards of Oil Spill Response)-10 Min

ASOF Moretti (Zones)-10 Min

ASOF Moretti (Non-oil hazards)-10 Min

THSP Schlieps (Wildlife Hazards/PPE)-30 Min

ASOF West (Decon)-10Min

Product(s):

Trajectory in the textbook

Resources at Risk in textbook

HASP included in textbook

SDS Intermediate Fuel Oil

Hazard Identification Exercise

Aerial Map of Port Angeles on Projector with ICS

1145-1200 Complete Workbook Exercise; Break

1200-1300 Lunch (1 Hour)

1300-1305 Clallam County MRC (Training opportunity)

1305-1345 Wildlife Branch Plan

Objective: Instructors will use the Wildlife Branch Plan from the Kobayashi Maru Spill to brief students on the Wildlife Plan and connection to IAP.

Action(s):

WBD Noviello brief the Wildlife Branch Plan
Wildlife 204 and 204(a)

Product(s):

Wildlife Plan in textbook Wildlife
ICS 204 in textbook
Wildlife collection reference
Wildlife exercise

1345-1400 Complete Workbook Exercise; Break

1400-1600 The Wildlife Operations

Objective: Instructors will describe the wildlife operations including how search and collection, wildlife stabilization and operations within the Wildlife Care Center occurs.

Action(s):

THSP Schlieps wildlife collection in oil-modeled areas and on water collection.
THSP Schlieps (Wildlife Care Center/Wildlife stabilization)

Product(s):

Wildlife stabilization references in text
Wildlife considerations exercise

1600-1630 Complete Workbook Exercise; Break

1630-1700 Closing Comments and Certificate Presentation

Objective: TBD

Actions:

Ecology provides list of students one week before class commences

Products:

USCG prints and signs certificates for distribution