Conducting a push net survey for flatfish

Reference Number: RA13

Date of Risk Assessment: 13/07/2018

Risk Assessment completed by: Elizabeth West

Activity	What are the hazards?	Who might be affected?	Risk Level			Control Measures	Risk Level		
			Severity	Likelihood	Risk Level		Severity	Likelihood	Risk Level
Access to and from the survey site	• Slips and trips • Getting stuck in mud • Getting cut off by tide • Drowning • Working on the shore; exposure to cold, sun, heat	Staff, students, volunteers	3	2	6	• Avoid wet areas where possible • Stay on firmer ground where possible • Wear appropriate PPE at all times including lifejacket • Avoid areas covered with seaweed where possible • Carry a mobile phone at all times • Duty phone must be contacted at the beginning and end of each patrol and must be aware of the patrol plan • Tide tables should be consulted before each patrol • Dynamically risk assess environment for suitability of patrol	3	1	3
Transporting and deploying the trawl	• Injury from trawl • Getting stuck in mud • Getting cut off by tide • Drowning • Back • Injury, musculoskeletal disorders, hernia • and other injuries.	Staff, students, volunteers	3	2	6	• Beware sharp edges on trawl • Follow survey SOP • Watch out for other water users • Observe good manual handling practice when lifting and moving the trawl • Wear appropriate clothing and PPE • Make sure sufficient staff and /students/ volunteers available to safely conduct survey	3	1	3
Conducting push net survey	• Slips and trips • Getting stuck in mud	Staff, students,	5	1	5	• Wear appropriate PPE at all times including lifejacket	3	1	3

	• Getting cut off by tide • Working on the shore; exposure to cold, sun, heat Public/fisher hostility • Entanglement in ropes or gear • Drowning	volunteers				• Staff advised to use sun cream where appropriate • Carry a mobile phone at all times • Avoid wet areas where possible • Stay on firmer ground where possible • Tide tables and weather forecast must be consulted • Always remain aware of escape route from approaching tide. • Conflict management to be used if hostility experienced • Be aware of members of the public at all times • Dynamically risk assess environment for suitability of survey • Terminate survey if unsafe to continue			
Processing and recording of catch	• Bites and cuts • Infections and diseases • Injuries from lifting heavy objects	Staff, students, volunteers.	3	2	6	• Appropriate handling techniques of catch • Wear appropriate PPE at all times including gloves • Use assistance from other officers when necessary • If injury occurs clean wound and apply dressing as soon as possible • Conduct inspection in a suitable, safe location • Wash hands at earliest opportunity after handling • Cover any cuts or abrasions	2	1	2
Preserving of some of catch e.g. shrimps	• Using alcohol to preserve samples: inhalation, contact with skin and eyes	Staff, students, volunteers.	3	2	6	• Wear appropriate PPE • Read through and understand COSHH assessment	3	1	3

Date of Risk assessment review: 13/07/2019

COSHH Assessment Form

This assessment ***only addresses the risk of harm to health*** from the substances listed. Additional risk assessments may be required to control the risk from other hazards associated with this work/the procedures used.

Assessor Elizabeth West	**Employer/Supervisor** D&S IFCA
Assessment Date 13/ 07/2018	**Dates reviewed** 13/ 07/2019

HAZARDS IDENTIFIED

*If the substance has a R45 or R49 risk phrase or a H350 or H350i hazard statement, it must also be registered on your personal carcinogen return (at Occupational Health) *where exposure is not adequately controlled*.

Substance[5]	**Hazardous Properties**[6]	**Quantity**[7]
Ethanol	Irritant, highly flammable	*Small quantities (ca. 100ml per sample) are transported to the field and used to preserve field samples*

Additional information[8]

- Workplace Exposure Limits: 1920mg/m^3 (long term exposure)
- R-phrases: H225 Highly flammable and liquid and vapour, H319 Causes serious eye irritation
- S-phrases: N/A
- H and P statements: N/A

Emergency Procedures[9]

- Eye contact: Rinse thoroughly with plenty of water. Consult a doctor.
- Inhalation: Move the person to fresh air. Consult a doctor.
- Skin contact: Wash off with soap and plenty of water. Consult a doctor.
- Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water Consult a doctor.
- Spill procedure: Contain spillage and then collect by wet brushing and place in container for disposal according to local regulations. Use PPE. Vapours can accumulate in low areas. Evacuate personel to safe areas.

What will the chemical be used for? *(insert title of experiment or experimental procedure)* **Who may be exposed?** [10]

Small quantities (ca. 100ml per sample) are transported to the field and used to preserve field samples. Alcohol will be transported to and from field locations in small volumes double sealed within waterproof

containers. Alcohol will be used outdoors or in well ventilated areas.

Staff, student and volunteers.

METHODS OF PREVENTION OR CONTROL OF EXPOSURE

(select all that apply by circling/ticking/highlighting the appropriate statement)

1. Engineering controls required[11]	**2. Access control**[12]
• N/A	• restricted to competent personnel ▪
3. Special procedures[13] • N/A	**4. Approved PPE**[14] *(Note: PPE is to be used as the 'last resort' when controlling exposure)* • gloves etc (nitrile) • eye protection (safety glasses)

Disposal Procedures[15] *(Give details of waste disposal procedure to be used)*

- Are chemicals with risk phrases R50-R59 or hazard statements H400 – H413 (environmental
  - hazards) involved? No

TRAINING REQUIREMENTS[16]

All staff, volunteers and students to have read through risk assessment and COSHH assessment before use.

HANDLING AND STORAGE REQUIREMENTS[17]

Store in cool place. Keep container tightly closed in a dry, well-ventilated place. Keep upright to prevent leakage.

ASSESSMENT OF RISK USING CONTROLS DETAILED ABOVE[18]

(Are the hazards/risks suitably controlled, using the control measures detailed above? If not, state the further actions required, e.g. Requirement for a standard operating procedure (SOP), etc).

Suitably controlled.

Authorisation by Employer/Supervisor [19]

I confirm that I have considered and understand the chemical to be used and the associated hazards. I am satisfied that all of the hazards have been identified and that the control measures to be followed will reduce the risks to as low a level as reasonably practicable.

Print name: Elizabeth West **Signed:**

Date: 13/07/2018

Declaration by Employer/Supervisor [20]

I confirm that I have read this COSHH Assessment and that I understand the hazards and risks involved and will follow all of the safety procedures stated.

Declaration by employee[201]

I confirm that the employee who has signed below is competent to undertake the work. My counter-signature indicates that I am happy for the work to proceed.

Name (please print)	Signed	PI countersignature	date

Devon & Severn IFCA
Inshore Fisheries and Conservation Authority

G**uidance notes for COSHH assessment form**

This form must be completed for every hazardous chemical used within the company. The form must be signed by the employee and their employer/supervisor before the work starts.

(1) **Assessor:** Insert the name of the person doing this assessment

(2) **Employer/Supervisor** Insert the name of **the Employer/Supervisor.**

(3) **Assessment Date:** Insert the date that the assessment form is completed. The assessment is valid for a maximum of 1 year. It must be reviewed after 1 year, or if a significant change occurs (change of lab, pregnancy, etc).

(4) **Dates reviewed:** all COSHH assessments must be reviewed annually (as a minimum). The review date should be entered here, and signed by the assessor to confirm that the assessment is still valid.

(5) **Substance:** insert name of the chemical to be used. NB. Biological hazards must not be assessed on this COSHH form.

(6) **Hazardous properties**: insert details of all of the hazardous properties of the chemical – egg. Flammable, explosive, carcinogen, harmful by inhalation, etc).

(7) **Quantity**: insert quantity to be used (mg, g, ml, etc)

(8) **Additional information**: Include details of any additional information, including any workplace exposure limits. Detail fully all R/S phrases and H and P statements (it is not sufficient to simply stat R45, full details are needed).

(9) **Emergency procedures**: provide full details of emergency procedures to be employed following contact with the chemical (skin contact, eye contact, inhalation and ingestion) – such as use of diphoterine, administration of emergency oxygen, etc. Also include details of emergency spill procedures.

(10) **What will the chemical be used for? Who may be exposed? :** Insert title of experiment or experimental procedure that the chemical is to be used in, and detail who may be exposed (individual worker? People in close proximity? Cleaners? Engineers?).

Methods of prevention or control of exposure

Sections 11-14 detail the methods for preventing or controlling exposure to the chemical. The COSHH hierarchy of control measures should be used when determining the methods to be used to prevent/control exposure, with engineering and group control measures being employed in preference to individual measures (such as individual PPE).

(11) **Engineering controls** required: identify the control measures necessary to prevent/control exposure, such as use of a fume cupboard, LEV or blast screen, by circling/ticking/highlighting the appropriate statement(s).

(12) **Access control**: In order to prevent/control exposure, is it necessary to restrict access to competent personnel? Are special containment facilities required? Please circle/tick/highlight the appropriate statement(s).

(13) **Special procedures**: please identify any special procedures necessary to prevent/control exposure. This might include the need for an SOP to be developed, or for local rules to be drawn up. Please circle/tick/highlight the appropriate statement(s).

(14) **Approved PPE**: PPE is to be used as the 'last resort' when preventing/ controlling exposure. Please detail the PPE to be used when handling the chemical. Please circle/tick/highlight the appropriate statement(s) and include details of the type of gloves, etc to be used.

(15) **Disposal procedures**: Identify whether the chemical is an environmental hazard; Detail fully how the chemical waste is to be disposed of (down sink, by specialist contractor, etc)

(16) **Training requirements**: detail any specialised training requirements that must be met before the work can begin – eg. Attendance on a gas safety course, etc).

(17) **Handling and storage requirements**: Note any special requirements e.g. ventilation, chemical incompatibility, flash point, etc.

(18) **Assessment of risk using controls detailed above**: Are the hazards/risks suitably controlled, using the control measures detailed above? Provide details; If not controlled, state the further actions required, eg. Requirement for a standard operating procedure (SOP), etc.

(19) **Authorisation by** the chemical to be used and the associated hazards, and that they are satisfied that all of the hazards have been identified and that the control measures to be followed will reduce the risks to as low a level as reasonably practicable.

(20) **Declaration by employee:** the employee must sign and date the assessment to confirm that they have read the COSHH Assessment, understand the hazards and risks involved and will follow all of the safety procedures stated.

(21) **Declaration by Employer/Supervisor**: the employer/supervisor must sign and date the assessment, to confirm that the researcher is competent to undertake the work.