

UoP Diving Project Plan

Date of diving operation: 31 07 06 to 04 07 06

Dive location/site: Salcombe

Brief description of diving proposed:

Assistance to Alexandra Mack for her dissertation project on proposed scallop dredging in the Bag area of Salcombe-Kingsbridge Estuary.
Laying survey transects in specified areas and surveying the scallop and limpet population.

Name of Dive Supervisor. MA Whelan, MIEpE, DS, ADC, ABDS,

ACoP used: Scientific

Client: Alexandra Mack
University of Plymouth

Dive Team & qualifications: logistics

Michael A Whelan - HSE Part 1, Diver Medic, MCA/RYA Powerboat, **ADC Dive Supervisor**

Divers:

Laura Plastow- HSE Professional SCUBA, HSE First Aid at Work, RYA Power boat Level 2

Sally Richards - HSE Professional SCUBA, HSE First Aid at Work, RYA Power Boat Level 2

Catherine Dabbs - HSE Professional SCUBA, HSE First Aid at Work, RYA Power Boat Level 2

Alex De Fries - HSE Professional SCUBA, HSE First Aid at Work, RYA Power Boat Level 2

Marine Biologist:

Alexandra Mack – Marine Biologist, recorder

Dive Supervisor checks:

Medicals in-date? Yes **Unilog form completed?** Yes

Drysuits in-date? Yes **Team is “Appointed” & CoP signed?** Yes

Safety Handbooks issued? Yes

Detailed description of diving plan:

Vehicles: Mini Bus R887KKN M Whelan. Van X632 EJE Driver TBC

Boat: Flying Pig/Cox M Whelan
MCA qualified Cert No 007109

Equipment used: SCUBA, FFM TW Comms

Dive profile: Max Depth: 12m **Dive Time:** 50mins **Safety stops:** 1@3m

Dive Plan:

Shot will be dropped on a GPS position. Divers in pairs will descend and attach a marked reel and move to the four compass points in turn for 20m surveying scallops in a 1m band, returning to the shot after each 20m transect.

Up to 13 transects will be laid over the week in various locations.

Recovery of scallop bags laid previously using work lines. Divers will descend and attach work line and the surface crew will recover them once the divers are clear

PRIOR TO DIVING THE SALCOMBE HARBOUR AUTHORITY PERMIT IS TO BE SIGNED BY THE HARBOUR MASTER

General Site Risk Assessment:

Other boat users:

Underwater obstructions/entrapment:

Tide:

Measures taken:

Flag A, Look outs, Inform QHM, boat cover, SMBS. Notice to mariners sent out. And posters.

Brief divers, Wear gloves, carry Knives keep, watch out for lines.

Proceed carefully. Debris etc

Neaps over the period, slack water

General site risks:

Complete on site risk assessment prior to diving by the dive supervisor

Complete boat risk assessment prior to diving

Permit to dive required from Salcombe Harbour Authority

Dive Support boat/Flying Pig: Watch propeller covering and picking up divers as no guard fitted.

Other boat users: Flag `A` Horn/whistle, notice to mariners sent.

Decompression:

Tables used: USN. Follow tables, No stop diving include safety stop 1 @ 3

Sea conditions:

Anticipated: moderate/calm expected, forecast, on site assessment, abort if too rough.

Underwater:

Visibility anticipated: Monitor, variable could be Poor, wear buddy lines.

SMB, torch as required. First divers to assess.

Temperature: Monitor, In water: 30 deg c Surface: 13 deg c Wear dry suits and Full Face Masks. Monitor divers on surface in dry suits.

Access/egress: **entry** roll off the side of boat in liaison with cox, **exit** dekit in water passing the equipment up to a tender. Brief and demonstrate prior to diving

Pollution: Monitor, Assumed negligible

Tidal considerations: Neaps, Tidal curves attached for the duration

Breathing gas used: Air. Tested as per BS EN 12021

Equipment serviced and in-date: Tested as per University ERMS, and 6 hours before use by competent person.

Any other additional risks:

On site risk assessment to be carried out prior to diving by the dive supervisor.

The port is very busy and as many users as possible have been informed of the diving operation.

Emergency procedures: The QHM can contact the air ambulance direct as required.

Hyperbaric Medical Centre, Tamar Science park, Research Way, Plymouth, PL4 8BU. Tel: 01752 209999

Chamber notified: Yes, on standby 24 hrs

Hospital: The nearest Hospital is in Kingsbridge tel 01548 852349 – Map attached.

Contact number dive supervisor: Coxside mobile 07771 885237

Name of First Aider:

Michael A Whelan

Qualification held:

Diver Medic

Casualty evacuation plan:

- If underwater recover to the surface using either controlled buoyant lift by buddy. Or by use of the SMB line by surface crew - emergency signal can be given on the SMB to the surface
 - Give standard visual distress signal to attract boat if not aware.
 - Come alongside and depending on the situation either de kit in the water, or recover fully kitted and de kit in the boat
 - Ready the first aid and oxygen equipment.
 - once in board carry out the relevant first aid
 - Inform the Hyperbaric medical centre and emergency services as required. QHM has said they can contact the air ambulance as required
 - Keep a log of activities, and isolate equipment and tag.
 - Normandy Quay (or site recommended by the emergency services) Map attached
 - Hand over the casualty to the emergency services, with dive details, neurological exam if carried out, and dive buddy if Decompression Illness.
 - Complete the incident report form and any other relevant forms
 - Complete post incident report forms
- Harbour authority 01548 843791, Channel 14. Ian Gibson or Raymond Rowe

Any additional information:

FFM and communications will be used but there are no recording facilities as required by Regulation 6, para 58. Scientific ACOP

Approved by University Diving Officer/ Deputy Diving Officer:

Signature: Date:.....

Additional information administration points

1. A separate kit list is to be handed to Richard by Michael Whelan, this will be loaded on Thursday 27 July by Michael Whelan and Richard Lilley.
2. Laurie is requested to check and service both vehicles to be used, **Minibus R887 KKN, Van X632 EJE**
3. Richard Lillie has been asked to supply spares for the boat, oil etc
4. The van will travel by road direct to the store and be off loaded, drivers are to be confirmed but are to go direct to the Island street slip to offload the dive stores. Map attached. Once complete they will return to Plymouth.
5. Drivers are to ensure vehicles are fully fuelled.
6. The **stores** area is up a tidal creek and can only be reached at half tide. This is at **Island street slipway**. Flying pig travelled up to Salcombe on Thursday skippered by Pete Ede and has been moored securely.
7. £50 Petty cash has been allocated for refuelling the pig for the duration of the task and will need re fuelling by the coxn bringing it back to Plymouth.
8. The minibus will travel up to Salcombe driven by Michael Whelan with the dive team, Departure time 0845 Hrs

ATTACHMENTS:

- Chart extract Salcombe Harbour
- Contact numbers
- Survey data Alexandra Mack
- Map Dive store location
- Map casualty evacuation slipway
- Map Hospital location
- Copy of Dive permit Salcombe Harbour Authority
- Tidal curves

Michael A Whelan Dive Supervisor