

SEARCH & RECOVERY

(Speciality Search and Recovery)

Intention of this course

The Intention of this course is to offer sufficient knowledge to the diver to find sunken or UW lost objects and if possible, to be able to recover them.

Instruction by ProTec scuba instructor with speciality search and recovery.

Training environment

Any open water, safe for scuba diving.

Prerequisites

- A good diving skill (theory and sufficient practice) that should be proved to the instructor.
- A scuba diver 1* certification is enough as bevert.
- Minimum age is 15 years.
- Speciality navigation.

Accomplishment

Simple UW work will be carried out in this course. The learning result can be optimized through poor visibility. Furthermore, Jojo dives, by recovery exercises, cannot be totally excluded. For all these reasons it is preferable to choose small depth (to 10 msw).

The handling with the lift-bag has to be planned carefully. Safety precautions - nobody directly under or over the lifting bag! The diver always has to control the ventilation of the lift bag and his own buoyancy too, while guiding the descending and ascending lift- bag. Don't let the lift bag simply go (alone)!

Theoretical lessons

Some basic principles of see navigation:

- The sea map and the most important topographical signs.
- Contour lines –hydrograph.
- Distance definition – estimated distance.
- Cross bearing.
- Double bearing

Additional equipments:

- Buoys
- Lift bags - function & usage & safety.
- Reels & lines.
- Compass.

Searching:

- To note/mark the last known position and find it again.
 - Cross bearing.
 - Compass bearing.
 - Distance
- To choose the correct searching profile:
 - Circle
 - Spiral (circular or rectangle).
 - UW - sample.
 - Lines.
 - After contour (deep) lines
- Carrying out:
 - Sight & distance of the lost things, overlap.
 - Start & goal, to limit and divide the searching area.
 - Communication & marking.
- Recovery
 - The selection and use of lifting bags.
 - Safety measures

Practical training

Searching:

- Cross bearing - a few people on land point out the last known place and show it to a diver on the surface.
- Starting point: The diver sets buoy and checks drift off / current.
- Exercise various search samples.
- To mark the found object (buoy) and secure it.

Recovery - Training with the lifting bag:

- Fill correctly (establish the right buoyancy for the lift bag in very short time)
- Controlled drift just over the bottom.
- Drain and to control placing the object at the bottom.
- Ascending up to the surface.

Courseware

Visit ProTec members area for any material / price list.

- Checklist