



**Alternative Methods of:
The Lost weightbelt Procedure, and
Lifting a debilitated conscious diver to the surface
Using the Line Reel Buoyant Lift**

by

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Lost weightbelt Procedure - an alternative method

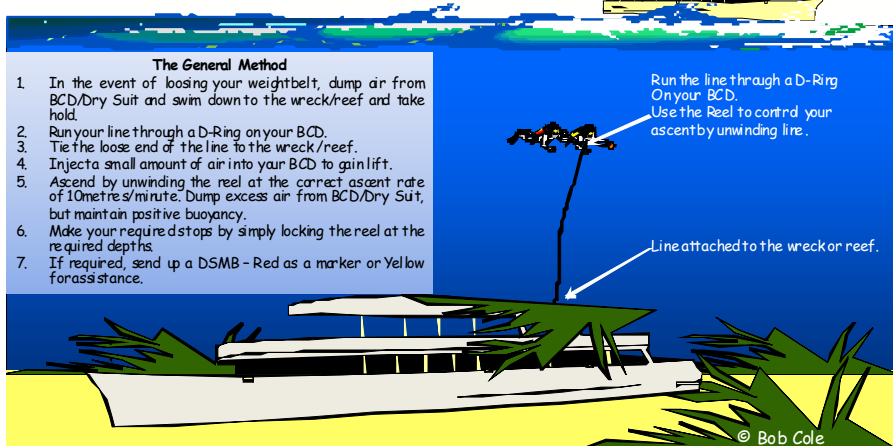
In the event that you lose your weightbelt or find yourself becoming positively buoyant and unable to regain control, and too far from the up-line, try the following:

Swim down towards the wreck/reef, whilst dumping air from your BCD and/or dry suit. Grab hold of the wreck/reef and regain your composure.

If you are unable to recover and refit your weightbelt or regain neutral buoyancy, don't panic. Simply take your distance-line and reel and pass the loose end of the line through a D-Ring on your BCD, then tie that end to the wreck/reef and lock the reel so it will hold you where you are. Now inject a small amount of air into your BCD to gain some lift. You are now in a position to ascend by reeling yourself upwards under full control towards the surface at 10m/minute. Dump excess air from BCD/Dry Suit as you ascend, but maintain positive buoyancy. Make all required stops during your ascent by simply locking the reel at the required depths. If required at your final stop, send up a DSMB - Red as a marker or Yellow for assistance see Fig 1.

Lost Weightbelt Procedure Using the Line and Reel Buoyant Lift

Fig 1



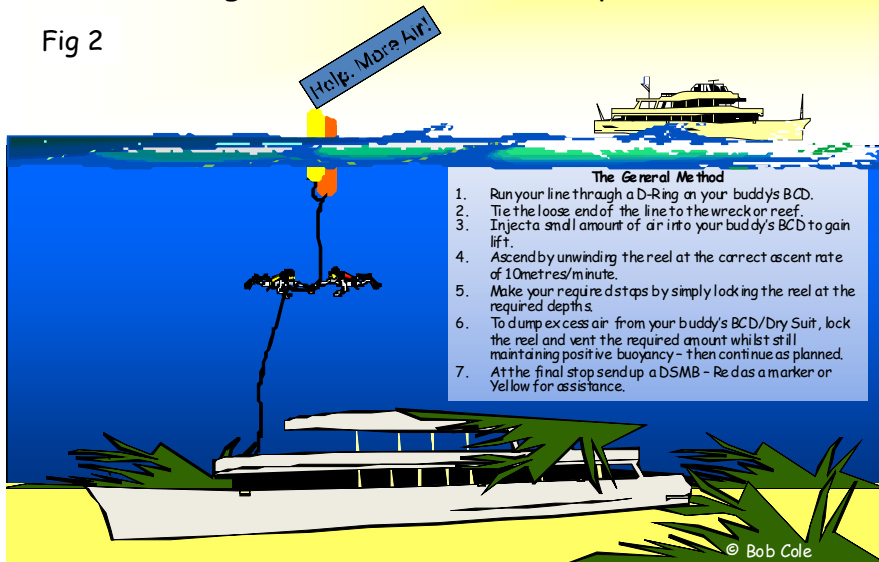


Conscious Dive Buddy Rescue using the Line and Reel Buoyant Lift

Lifting a debilitated conscious diver to the surface is not an easy thing to do, bearing in mind that you will not only have control your own buoyancy but also that of the casualty. The traditional method requires a great deal of skill and strength, which makes controlling the ascent rate and stops very difficult indeed. With the *Line and Reel Buoyant Lift* much of the hard work is removed and controlling the lift, ascent rate, stops and dumping excess gas from BCDs/Dry Suits much easier to handle. The method is very similar to that of extricating yourself from a dive having lost your weightbelt (see page 2) except the line now goes through a D-ring on your buddy's BCD before tying it to the wreck/reef. Lock the reel to hold the casualty's position; now the casualty's BCD can be used to gain lift by injecting a small amount of air into it (in effect a controlled DSMB). In this way the ascent can be controlled by the rescuer using the reel from the front of the casualty. There is no need for special lifting holds. Furthermore, the rescuer has complete control and can halt the ascent at any time to dump air from either persons BCD/Dry Suit. The reel can be locked to hold station at any depth and for any reason eg for stops, to adjust buoyancy, solving other issues and setting DSMBs to the surface, see Fig 2.

Conscious Dive Buddy Rescue Using the Line and Reel Buoyant Lift

Fig 2



Deep Rescue using the Line and Reel Buoyant Lift

