



Locate and Retrieve Debris ROV DIVE PLAN

ROV Scope of Work

This procedure details the steps required for locating and retrieving debris from the sub-sea floor.

The scenario requires the use of a single ROV.

Field Layout

The field contains 10 barrels located around the field. There is also debris - 3 shackles which have fallen amongst the barrels. A subsea basket is provided to receive the fallen shackles.

ROV tools and equipment required in the scenario

ROV tools required for this dive:

- None

Equipment and models required for this dive:

- 1 Subsea basket

ROV Set Up

ROV 1

- ROV starboard manipulator (Orion 7 function arm)
- ROV port manipulator (Rigmaster 5 function arm)

TMS

- None

Pre Job Tasks

None

ROV Operations

Debris Retrieval

1. Locate the closest barrel using the VSONAR and position the ROV at the barrel.
2. Inspect the surrounding area using the camera pan and tilt control.

If you locate any debris, continue with step 5; if not, continue with step 3.

3. Record your position in the field and register the barrel.
4. Continue to the next barrel and repeat Step 2.
5. Retrieve the debris with the ROV manipulators.
6. Record your position in the field and register the debris.
7. Return the debris to the subsea basket.
8. Return the ROV to the position of the last barrel inspected.
9. Locate the next barrel.

Repeat steps 1 – 9 until you locate all 10 barrels and 3 pieces of debris.

10. Signal the surface ship to retrieve the basket.

ROV Supervisor Name:

Date:

Comments:

