

Fletcher Cruise Plan

RV New Horizon 12-16 December 2005

1.0 Test Objective

The objective of the December 2005 tests is to provide a demonstration of the vehicle deployment of the fiber optic tether as will be used in the tethered mode of HROV operation. This will be done using the ABE autonomous underwater vehicle off the RV New Horizon, operating out of San Diego 12-16 December. Both the vehicle and the ship set will be outfitted with a fiber canister and brake device, providing for a payout scheme similar to that envisioned for HROV as possible.

2.0 Test Location

The location selected off San Diego at 32° 38' N 118° 08' W was selected for the 2050 m water depth and flat, sedimented bottom.

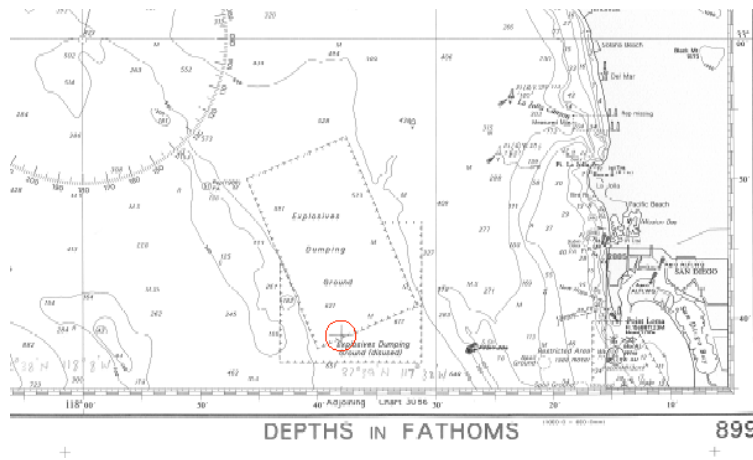


Figure 1: Test Location

More Below...

3.0 Test Schedule

Sun	Mon	Tue	Wed	Thu	Fri	Sat
4	5 WHOI personnel arrive	6 Hardware installation on ABE	7 Software installation and testing	8 Pierside testing	9 Load ABE and van on New Horizon	10 Pierside checkouts
11 Pierside checkouts	12 Transit Deploy LBL transponders	13 Deploy / operate ABE	14 Recover / Refurbish ABE	15 Deploy / operate ABE	16 Recover ABE / transponders Return to SD	17 Contingency Day
18 Contingency Day	19 Lift van off New Horizon	20	21	22	23	24

4.0 Point of Contact

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