



NOAA Okeanos Explorer Program

ROV Dive Planning Form

Please use this as a template for documenting your recommendations for high-priority dive targets. Be sure to include a rationale for the dive as well as specific protocols (if applicable), and any known previous work or potential hazards at the site. Please include only generalized location information for any marine archaeology sites.

The form also includes fields for mapping targets and CTD cast locations as well.

Site Name: S-19 WWI submarine

Dive Date (local): 2015/09/03

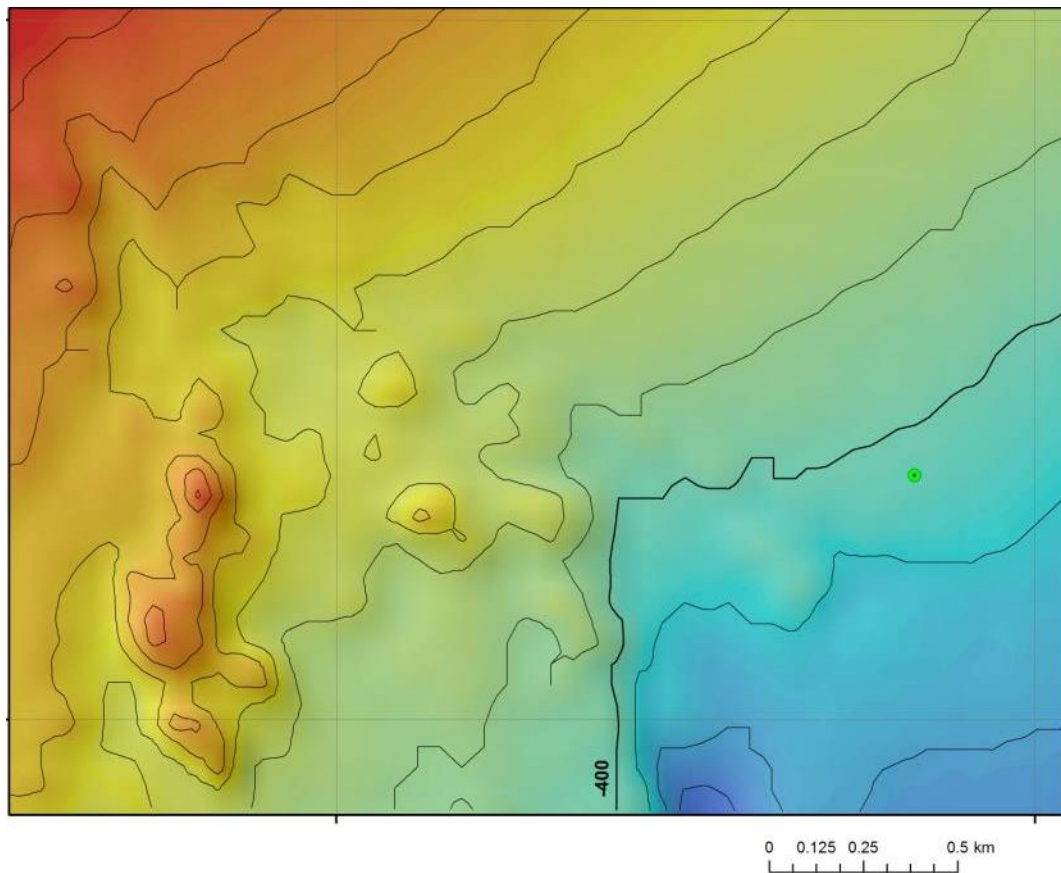


Fig 1: Bathymetry data for the dive site. Dive start and end points are shown as green and red dots, respectively.



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Brief Explanation of Exploration Objectives and Rational for the Desired Dive Track:

This dive will visit the hull of the World War I submarine S-19 which now rests on the bottom at 414 m in the middle of a sand expanse. After service in World War I the vessel was no longer needed and was intentionally scuttled by the Navy in 1938 and now serves as a relatively new feature of hard bottom habitat (~75 yrs old) for deep corals to colonize. The hull, which is intact, provides a unique glimpse of a community of pioneer settlement in deep corals. The objectives of the dive are to (1) recover a flow meter placed on the stern of the S-19, (2) to make observations on the condition of the vessel to support information on submerged cultural resources and (3) practice deploying and recovering a mock-up of a tilt meter instrument.

Has previous work been conducted here? Are there potential hazards in the area?

The site is located miles out from the entrance from Pearl Harbor, Oahu and is generally protected from prevailing windward sea state making it a dependable launching site. First located by the Hawaii Undersea Research Laboratory it has been visited a couple of times as part of comparative work on deep coral communities. Prior dives indicate that strong currents can limit observations to one side of the vessel. There are no spans or significant overhangs that present an entanglement hazard.

ROV Track Waypoints Table:

<i>WAYPOINTS TO EXPLORE</i>			
WAYPOINT NAME/SEQUENCE	LATITUDE	LONGITUDE	DEPTH
Launch			
Recovery			