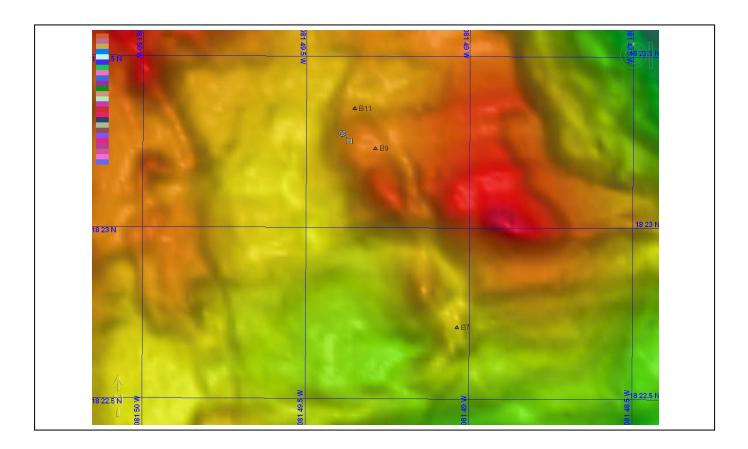


Science Team develops draft dive track two days before a planned dive. Expedition Leader responds overnight based on ship capabilities, programmatic considerations, and constraints. Plan is finalized the day before a dive

Site Name: WYOI Bump-Land

Approximate Location: 18° 21.479'N, 81°50.474'W (2203m)

Dive Date (local): August 11th, 2011



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

Science Rationale:

We will dive immediately to the West of the Summit of Mt Dent, following a series of topographic highs at the base of a steep west facing scarp. The locations to be followed through are a series of points identified from our ECC partners' interpretation of the multibeam and backscatter collected and processed aboard the EX during the course of this expedition and similarities noted to the Von Damm hydrothermal field visited during dives 1 through 5. Specifically we will plan a dive passing through a series of "bumps" labeled 7 through 11 in the attached figure. The following coordinates are use to define the requested dive path:-

B07: 18°22.709'N, 81°49.037'W (2200m)

B09 : 18°23.231'N 81°49.289'W B11: 18°23.347'N, 81°49.353'W

Operations Response/Rationale:

The ship plans to launch the ROV at approximately 0800. The time from the start of launch to the start of the dive on the seafloor at a depth of 2360m is approximately 2 hours. The approximate time to go from waypoint B7 to B11 (1300m) at an average of 0.11kts is approximately 6.5 hours. Time from the bottom to 50m is 1.5 hours, and the time for ROV redcovery is 30 minutes, with the ROV secured on deck at 1630 ship time.

ROV Track Waypoints Table:

DESIRED WAYPOINTS TO EXPLORE -				ACTUAL WAYPOINTS TO EXPLORE-			
(COMPLETED BY SHORE-SIDE LEAD SCIENTIST)				(COMPLETED BY SHIPBOARD EXPEDITION LEADER)			
(not including launch)							
WAYPOINT	LATITUDE	LONGITUDE	APPROX	WAYPOINT	LATITUDE	LONGITUDE	APPROX
NAME			DEPTH	NAME/SEQUENCE			DEPTH
Launch				Launch			
Start							