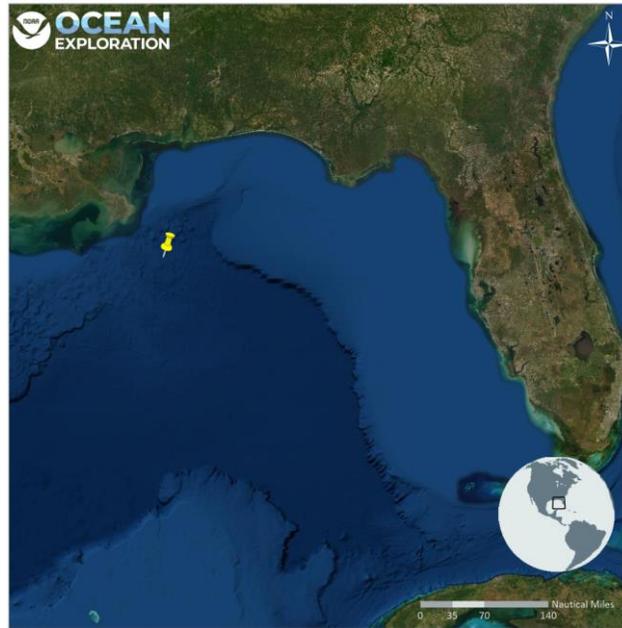


ROV Dive Summary, EX-22-01, Dive 02, February 25, 2022

General Location Map



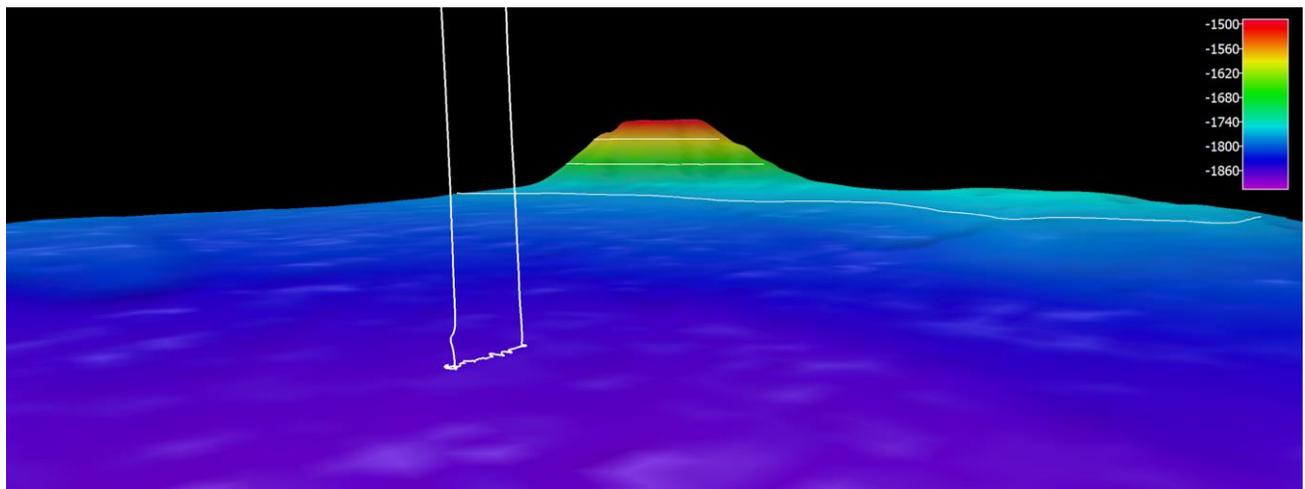
Dive Information

Site Name	UCH Dive
General Area Descriptor	Northern Gulf of Mexico
Science Team Leads	Karl McLetchie
Expedition Coordinator	Kimberly Galvez
ROV Dive Supervisor	Karl McLetchie
Mapping Lead	Sam Candio
Sample Data Manager	Anna Lienesch
Dive Purpose	Engineering focus with an approach on a UCH site.
Was the dive restricted for Underwater Cultural Heritage?	Yes

Equipment Deployed

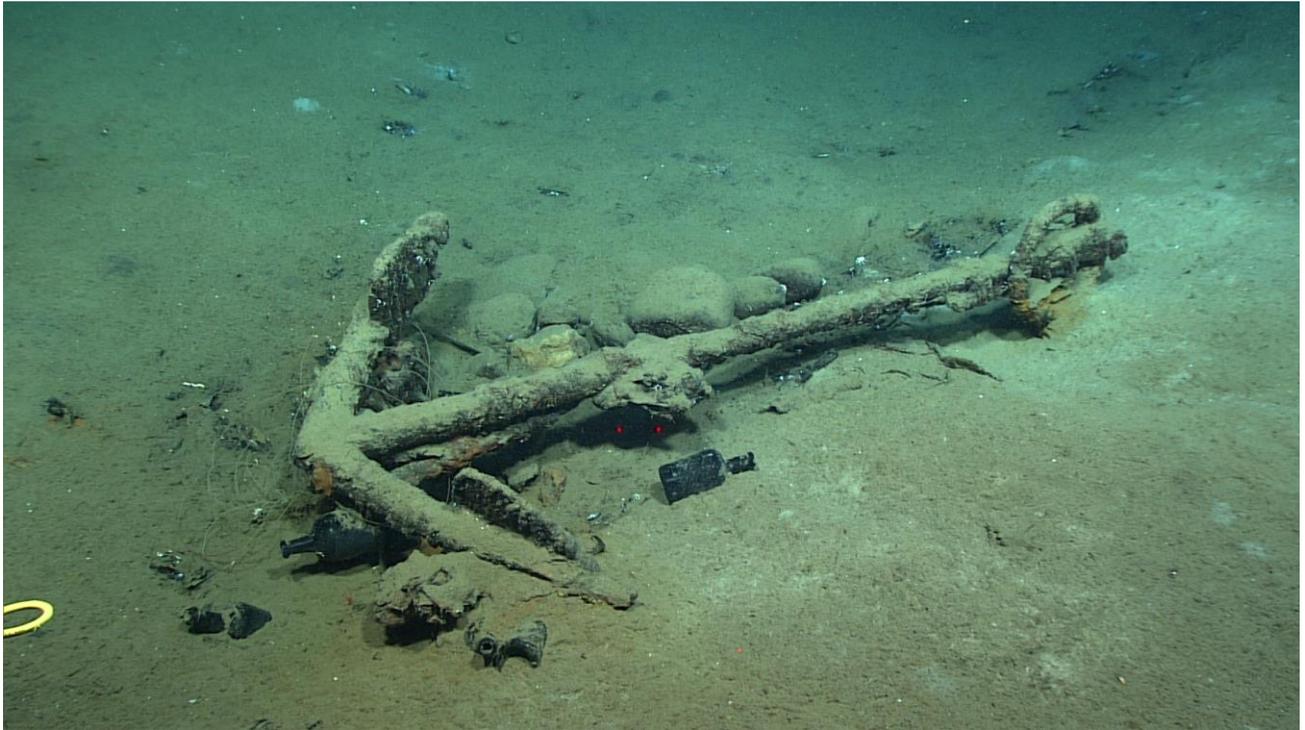
ROV	<i>Deep Discoverer</i>
Camera Platform	<i>Seirios</i>
ROV Measurements	The following ROV measurements, data streams and equipment are used on each ROV deployment: CTD, depth, scanning sonar, USBL position, altitude, heading, attitude, high-resolution cameras, low resolution cameras, manipulator arms, suction sampler, sample drawers and thrusters. The section below notes if any of these sensors were malfunctioning or not operational
Equipment Malfunctions	The suction sampler and the temperature probe had trouble retracting. The Tasman DVL cutout on descent at about 900m depth and didn't come back.

Close-up Map of Main Dive Site



Smoothed ROV dive track in white with 3x vertical exaggeration, depth in meters, 100 meter contours

Representative Photos of the Dive



As part of the shipwreck found was an anchor with glass bottles scattered around and some wood preserved from the original ship.



A stove for burning whale blubber was found as part of the shipwreck with bricks scattered about and a fish commonly associated with shipwrecks. Fishing line was observed partially coiled up.

Samples Collected -



Sample ID	EX2201_D02_01B
Date (UTC)	20220225
Time (UTC)	16:48:27
Depth (m)	1849.307007
Latitude (decimal degrees)	N/A
Longitude (decimal degrees)	N/A
Temp. (°C)	4.302000046
Field ID(s)	Thoracica
Comments	Barnacles on soda can collected as part of manipulator arm testing

Associates Sample ID	Field Identification	Count
EX2201_D02_01B_A01	Unknown Barnacle	5
EX2201_D02_01B_A02	Mud	many

Scientists Involved (provide name, email, affiliation)

Name	Email	Affiliation
Trish Albano	trish.albano@noaa.gov	NOAA Ocean Exploration
Lila Ardor Bellucci	ardorbel@oregonstate.edu	Oregon State University
Steve Auscavitch	steven.auscavitch@temple.edu	Boston University
Peter Auster	peter.auster@uconn.edu	UConn & Mystic Aquarium
Amy Borgens	amy.borgens@thc.texas.gov	Texas Historical Commission
Melanie Damour	Melanie.Damour@boem.gov	BOEM
James Delgado	james.delgado@searchinc.com	SEARCH, Inc.
James Delgado	delgadojames135@gmail.com	SEARCH, Inc.

Matt Dornback	matt.dornback@noaa.gov	NOAA
Scott France	scott.france@louisiana.edu	University of Louisiana at Lafayette
Kimberly Galvez	kimberly.galez@noaa.gov	NOAA Ocean Exploration
Ervan Garrison	egarriso@uga.edu	University of Georgia
Tara Harmer Luke	tara.luke@stockton.edu	Stockton University
Phil Hartmeyer	phil.hartmeyer@noaa.gov	NOAA
Jack Irion	Irionjb@utexas.edu	Self
Doug Jones	douglas.jones@boem.gov	BOEM
Heather Judkins	Judkins@usf.edu	Univ. South Florida St. Petersburg
Asako Matsumoto	amatsu@gorgonian.jp	Chiba Institute of Technology
Christa Rabenold	christa.rabenold@noaa.gov	NOAA
Adam Skarke	adam.skarke@msstate.edu	Mississippi State University
Scott Sorset	scott.sorset@boem.gov	BOEM
Michael Vecchione	vecchiom@si.edu	NOAA & Smithsonian (also William and Mary)
Les Watling	watling@hawaii.edu	University of Hawaii at Manoa
Robert Schwemmer		
Michael Brennan	mike.brennan@searchinc.com	SEARCH Inc
Frank Cantelas	frank.cantelas@noaa.gov	NOAA Ocean Exploration
Hannah Miller		

Please direct inquiries to:

NOAA Office of Ocean Exploration & Research
1315 East-West Highway, SSMC3 RM 10210
Silver Spring, MD 20910
oceanexplorer@noaa.gov

