*Okeanos Explorer* ROV Dive Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dive Information | | | | |
| General Location |  | | | |
| General Area Descriptor | Oahu | | | |
| Site Name | Caiman Targets | | | |
| Science Team Leads | John Smith/Meagan Putts | | | |
| Expedition Coordinator | Kasey Cantwell | | | |
| ROV Dive Supervisor | Karl McLetchie | | | |
| Mapping Lead | Mike White | | | |
| ROV Dive Name | | | | |
| Cruise | EX1708 | | | |
| Leg | - | | | |
| Dive Number | DIVE21 | | | |
| Equipment Deployed | | | | |
| ROV | Deep Discoverer | | | |
| Camera Platform | Seirios | | | |
| ROV Measurements | CTD | | Depth | Altitude |
|  | Scanning Sonar | | USBL Position | Heading |
|  | Pitch | | Roll | HD Camera 1 |
|  | HD Camera 2 | | Low Res Cam 1 | Low Res Cam 2 |
|  | Low Res Cam 3 | | Low Res Cam 4 | Low Res Cam 5 |
| Equipment Malfunctions |  | | | |
| ROV Dive Summary (from processed ROV data) | Dive Summary: EX1708\_DIVE21  ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^  In Water: 2017-09-28T18:31:18.905000  21°, 12.989' N ; 158°, 08.196' W  Out Water: 2017-09-29T02:30:34.327000  21°, 12.985' N ; 158°, 07.141' W  Off Bottom: 2017-09-29T02:00:18.093000  21°, 12.964' N ; 158°, 07.341' W  On Bottom: 2017-09-28T19:07:38.474000  21°, 12.940' N ; 158°, 08.032' W  Dive duration: 7:59:15  Bottom Time: 6:52:39  Max. depth: 843.6 m | | | |
| Special Notes |  | | | |
| Scientists Involved  (please provide name, location, affiliation, email) | |  |  |  | | --- | --- | --- | | **Name** | **Email** | **Affiliation** | | Ally Campo |  | DPAA | | Amanda Murphy |  | DPAA | | Amanda Netburn | amanda.netburn@noaa.gov | NOAA OER | | Asako Matsumoto | amatsu@gorgonian.jp | Planetary Exploration Research Center, Chiba Institute of Technology | | Ashley Burch |  | Defense POW/MIA Accounting Agency (DPAA) | | Augustine Ortiz | Ortiz agustin.ortiz.ctr@navy.mil | NHHC | | Bruce Mundy | bruce.mundy@noaa.gov | NOAA NMFS Pacific Islands Fisheries Science Center | | Bruce Terrell | bruce.terrell@noaa.gov | NOAA | | Christopher Kelley | ckelley@hawaii.edu | University of Hawaii | | David Ebert |  | Pacific Shark Research Center | | David Ball | david.ball@boem.gov | BOEM | | Denise To |  | Defense POW/MIA Accounting Agency (DPAA) | | Diva Amon | divaamon@gmail.com | Natural History Museum, London | | Eric Young |  | Defense POW/MIA Accounting Agency (DPAA) | | Frank Cantelas | frank.cantelas@noaa.gov | NOAA NOS MHP/ OER | | Frederick Hanselmann | fhanselmann@rsmas.miami.edu | University of Miami | | Hans Van Tilburg | hans.vantilburg@noaa.gov | NOAA ONMS | | Jack Irion | jack.irion@boem.gov | BOEM | | James Delgado | james.delgado@searchinc.com | SEARCH, Inc. | | John Smith | jrsmith@hawaii.edu | University of Hawaii | | Joseph Hoyt | joseph.hoyt@noaa.gov | Office of National Marine Sanctuaries | | Ken Sulak | jumpingsturgeon@yahoo.com | USGS (ret.) | | Kevin Kocot | kmkocot@ua.edu | The University of Alabama | | Mary Megyesi |  | Defense POW/MIA Accounting Agency (DPAA) | | Meagan Putts | Meagan.putts@noaa.gov | University of Hawaii | | Michael Parke | michael.parke@noaa.gov | NOAA PIFSC | | Nolan Barrett | barrettnh@g.cofc.edu | FAU Harbor Branch Oceanographic Institute | | Piotr Bojakowski |  | Defense POW/MIA Accounting Agency (DPAA) | | Richard Wills | richard.k.wills.civ@mail.mil | DPAA SA CIL | | Robert Schwemmer | Robert.Schwemmer@noaa.gov | NOAA | | Russ Matthews | rmatthews@mor-ent.com | Air Sea Heritage Foundation | | Steve Auscavitch | tug19971@temple.edu | Temple University | | Tara Luke | luket@stockton.edu | Stockton University | | Tina Molodtsova | tina@ocean.ru; tina.molodtsova@gmail.com | P.P.Shirshov Institute of Oceanology RAS | | | | |
| Purpose of the Dive | To investigate a series of sonar anomalies in an effort to locate the remains of the Japanese fast submarine I-203 (Sentaka-type) captured at the end of WWII, brought to Pearl Harbor as part of the 5-submarine prize fleet, and disposed near this area in 1946. If found, conduct non-invasive survey focusing on the innovative features of this rare fast attack vessel. | | | |
| Description of the Dive | Multibeam sonar targets at all 5 selected waypoints, generated from existing multibeam data and refined by the maritime archaeology collaborative team, were examined by the ROV and found to be geologic (basalt rock) formations. I-203 was not located. One unexpected target was confirmed: remains of a WWII-period floating causeway (“rhino barge”). | | | |
| Overall Map of the ROV Dive Area | | Close-up Map of Main Dive Site | | |
| D:\KC_Silver_Spring_Comp\Documents\FY17\Expedtions\EX\EX1708\ship's network\EX1708\DiveSummaries\HypackScreengrabs\DIVE21_Hypack_wide.JPG | | D:\KC_Silver_Spring_Comp\Documents\FY17\Expedtions\EX\EX1708\ship's network\EX1708\DiveSummaries\HypackScreengrabs\DIVE21_Hypack_zoom.JPG | | |
| Representative Photos of the Dive | | | | |
| D:\KC_Silver_Spring_Comp\Documents\FY17\Expedtions\EX\EX1708\Imagery\EX1708_DIVE21_20170928\EX1708_IMG_20170928T232018Z_ROVHD.jpg | | D:\KC_Silver_Spring_Comp\Documents\FY17\Expedtions\EX\EX1708\Imagery\EX1708_DIVE21_20170928\EX1708_IMG_20170928T212539Z_ROVHD.jpg | | |
| While the Caiman targets did not turn out to be a WWII shipwreck, the survey revealed a sunken WWII era floating dock | | Several of the sonal anomalies targeted during this dive were revealed to be rocky outcrops. | | |
| Samples Collected | | | | |
| No samples were collected during this dive. | | | | |

# Please direct inquiries to:

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