*Okeanos Explorer* ROV Dive Summary

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| Dive Information |
| General Location |  |
| General Area Descriptor | Oahu |
| Site Name | USS Baltimore |
| 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 | DIVE22 |
| Equipment Deployed |
| ROV | Deep Discoverer |
| Camera Platform | Seirios |
| ROV Measurements | [x]  CTD | [x]  Depth | [x]  Altitude |
|  | [x]  Scanning Sonar | [x]  USBL Position | [x]  Heading |
|  | [x]  Pitch | [x]  Roll | [x]  HD Camera 1 |
|  | [x]  HD Camera 2 | [x]  Low Res Cam 1 | [x]  Low Res Cam 2 |
|  | [x]  Low Res Cam 3 | [x]  Low Res Cam 4 | [x]  Low Res Cam 5 |
| Equipment Malfunctions |  |
| ROV Dive Summary(from processed ROV data) | Information withheld due to Underwater Cultural Heritage Site |
| Special Notes |  |
| Scientists Involved(please provide name, location, affiliation, email) |

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| **Name**  | **Email** | **Affiliation** |
| Jarrod Kellogg |  | Defense POW/MIA Accounting Agency (DPAA) |
| Amanda Murphy |  | DPAA |
| Asako Matsumoto | amatsu@gorgonian.jp | Planetary Exploration Research Center, Chiba Institute of Technology |
| Ashley Burch |  | Defense POW/MIA Accounting Agency (DPAA) |
| 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 |
| Christopher Mah | brisinga@gmail.com | Dept. Invertebrate Zoology, NMNH Smithsonian Institution |
| David Ball | david.ball@boem.gov | BOEM |
| Denise To |  | Defense POW/MIA Accounting Agency (DPAA) |
| 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 |
| Heidi Hirsh | heidi.hirsh@noaa.gov | NOAA NMFS PIRO Marine National Monuments Program |
| Jack Irion | jack.irion@boem.gov | BOEM |
| Jim Masterson | jmaster7@fau.edu | FAU Harbor Branch Oceanographic ECC |
| John Smith  | jrsmith@hawaii.edu | University of Hawaii |
| Joseph Hoyt | joseph.hoyt@noaa.gov | Office of National Marine Sanctuaries |
| Kara Davis | kara.e.davis.civ@mail.mil | Defense POW/MIA Accounting Agency |
| Kimberly Galvez | kgalvez@rsmas.miami.edu | University of Miami - RSMAS |
| Mary Megyesi |  | Defense POW/MIA Accounting Agency (DPAA) |
| Meagan Putts | Meagan.putts@noaa.gov | University of Hawaii |
| 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 |
| Tina Molodtsova | tina@ocean.ru; tina.molodtsova@gmail.com | P.P.Shirshov Institute of Oceanology RAS |

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| Purpose of the Dive | Maritime heritage dive to conduct non-invasive video survey of remains of USS Baltimore, late 19th-century USN protected cruiser scuttled near Oahu in 1944, including: documentation of specific 19th-century features; photogrammetry and mosaic data compilation; assessment of scuttling damage; assessment of preservation/deterioration status; marine species inventory.  |
| Description of the Dive | Vessel was found upright and intact on the flat sandy bottom. A complete video survey was accomplished meeting all the main objectives: perimeter survey of main features; detailed photogrammetry compilation of iconic bow ram; detailed engineering spaces documentation; full deck photomosaic compilation; hull plate damage assessment. Data will enable interpretive products of this historic vessel.  |
| 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\DIVE22_Hypack_wide.JPG | D:\KC_Silver_Spring_Comp\Documents\FY17\Expedtions\EX\EX1708\ship's network\EX1708\DiveSummaries\HypackScreengrabs\DIVE22_Hypack_zoom.JPG |
| Representative Photos of the Dive |
| D:\KC_Silver_Spring_Comp\Documents\FY17\Expedtions\EX\EX1708\Imagery\EX1708_DIVE22_20170929\EX1708_IMG_20170929T201354Z_ROVHD.jpg | D:\KC_Silver_Spring_Comp\Documents\FY17\Expedtions\EX\EX1708\Imagery\EX1708_DIVE22_20170929\EX1708_IMG_20170929T211416Z_ROVHD.jpg |
| The stern of the USS Baltimore was modified to accommodate mine laying operations. | At the bow of the USS Baltimore, there was a large aggregation of Brisingid sea stars.  |
| Samples Collected |
| No samples were collected during this dive. |

# Please direct inquiries to:

NOAA Office of Ocean Exploration & Research
1315 East-West Highway (SSMC3 10th Floor)
Silver Spring, MD 20910
(301) 734-1014