



Marine Board
Presentation on
U.S. Navy
Supervisor of Salvage and Diving
Activities

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SUPSALV Mission

To provide technical, operational, and emergency support to U.S. government agencies in the ocean engineering disciplines of:

- **Marine Salvage**
 - Pollution Abatement
- Diving
- Diving System Certification
- **Underwater Ship Husbandry (UWSH)**

We prevent, respond to, and minimize the effects of catastrophes and other national emergencies.

Selected CY20-21 Salvage & Recovery Operations

USS Chosin (CG 65) Tow
San Diego – Seattle
-FEB 2021

USS Cape St. George (CG
71) Tow San Diego – Seattle

SSSD HL transport
- APR thru JUN 2021

STAFAC Survey
Bahamas
- JUN 2021

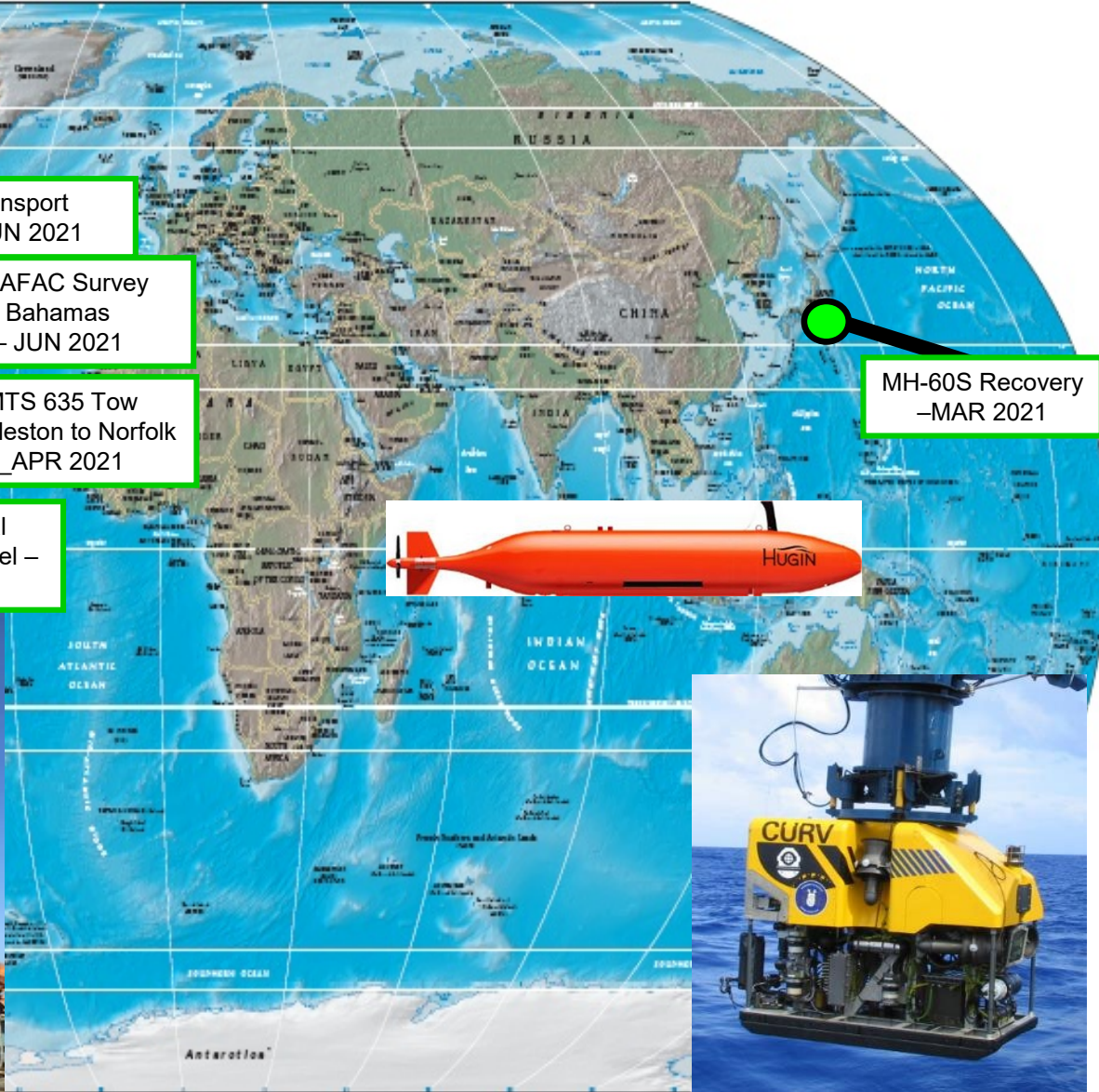
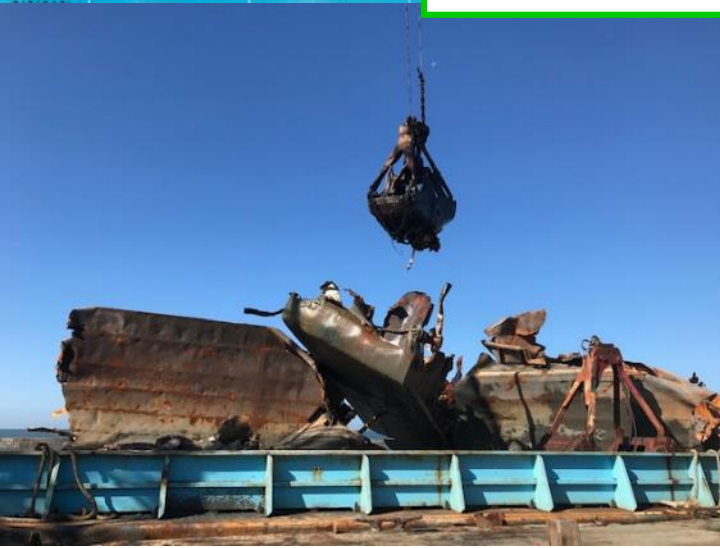
USS Bonhomme Richard
(LHD 6) Tow Prep and
Tow
- FEB thru JUN 2021

MTS 635 Tow
Charleston to Norfolk
_APR 2021

MH-60S Recovery
-MAR 2021

EX BHR BDR Exercise
- MAY 2021

Rock Barge removal
Calcasieu Lake Channel –
NOV 2021





Navy MH-60 Recovery



**East of Okinawa, Japan
March 2021**

SUPSALV recovery of a MH-60S which had been located and surveyed in 2020. A team mobilized from Guam and arrived at the recovery site on 17 March. By 18 March the helicopter had been recovered from a depth of 19,075 fsw.



Surface Ship Support Barge (SSSB) Tow and Heavy Lift

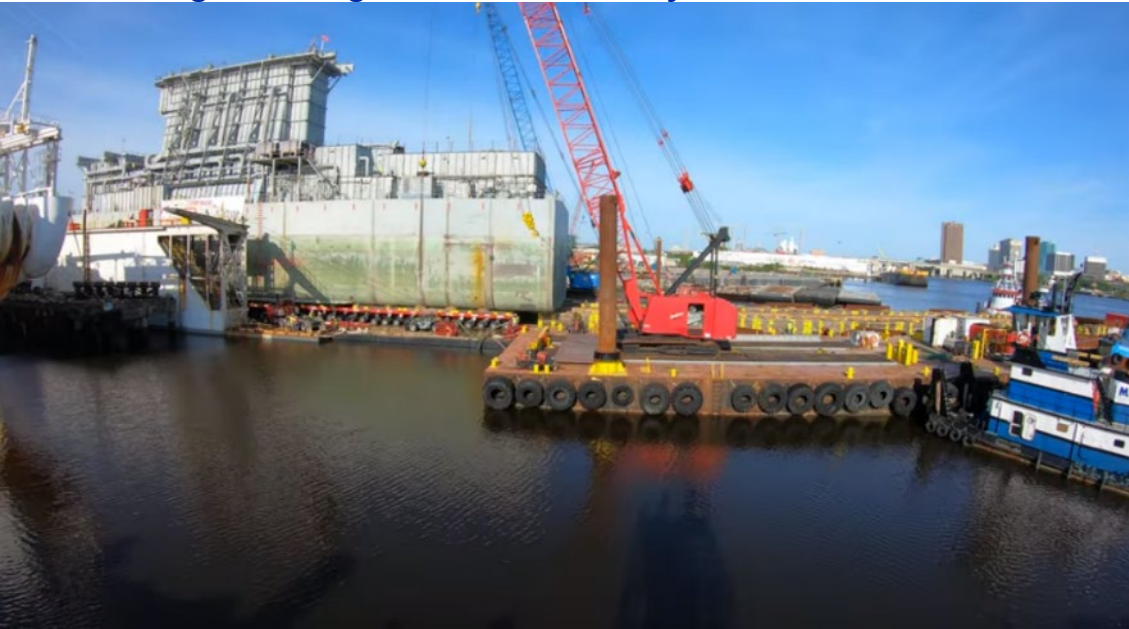


Wet tow from
Newport
News to
Norfolk - 18
April

Newport News – Norfolk –
Mobile AL
Mar - Jun 2021

SUPSALV along with our Naval Reserve HL Unit, conducted a tow of the SSSB from Newport News to Norfolk on 18 April. Heavy Lift operations conducted 2 May, rolling SSSB onto barge deck. Barge departed Norfolk and transited to Mobile AL arriving 01 June with offload to land disposal site on 05 June.

SSSD Rolling onto barge in Norfolk – 02 May



SSSB In Mobile River after transit - 01 JUN





USS BONHOMME RICHARD (LHD 6) Tow Preps and Tow



Assembling emergency anchor in advance of tow.

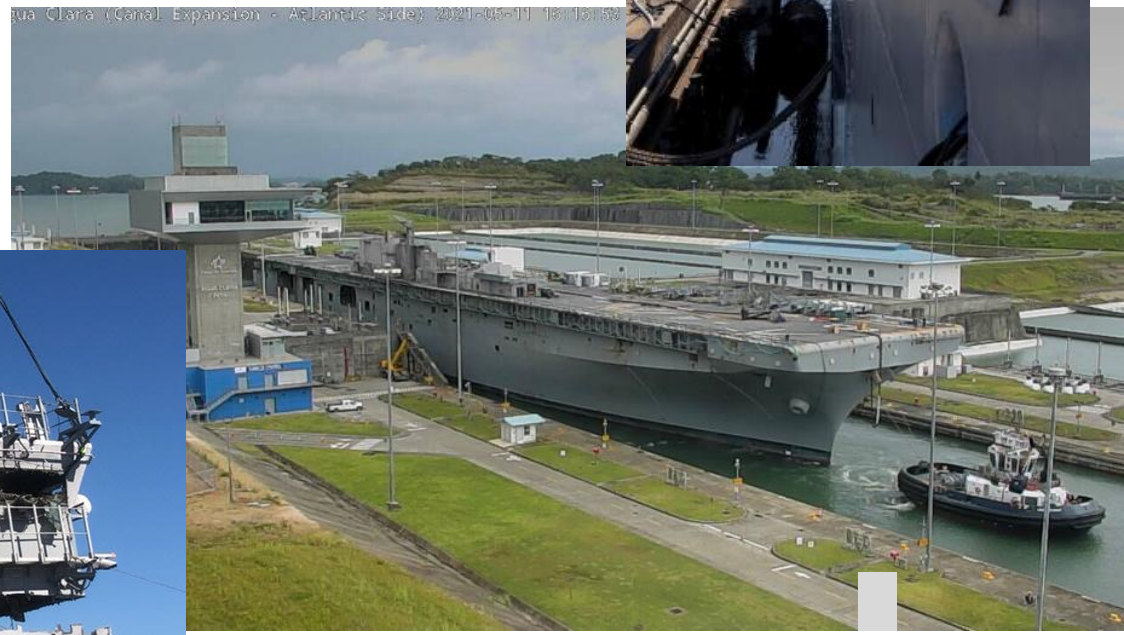
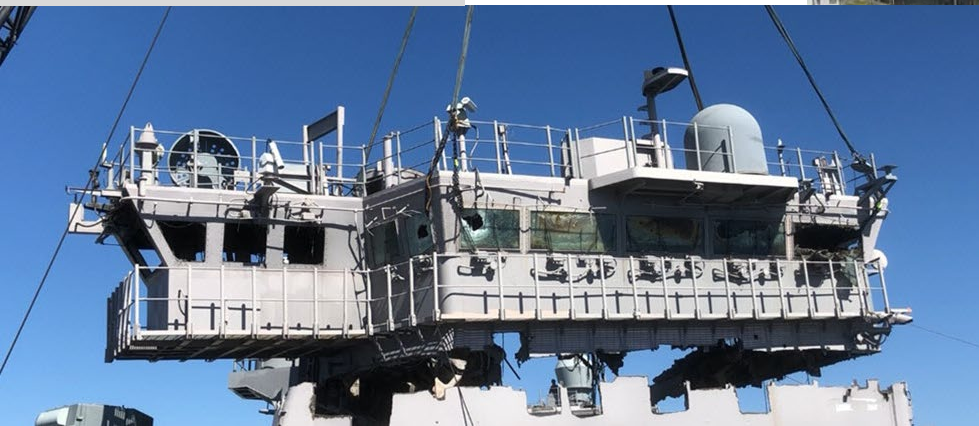
**San Diego - Brownsville
Feb – Jun 2021**

After decision to decommission USS Bonhomme Richard, SUPSALV prepared vessel for tow thru Panama Canal and onto GOM. Preps included removal of side shell protrusions, most of the island, and installation of towing alarms. T/V Nicole Foss conducted tow.



BHR Side shell cleared.

Island Removal

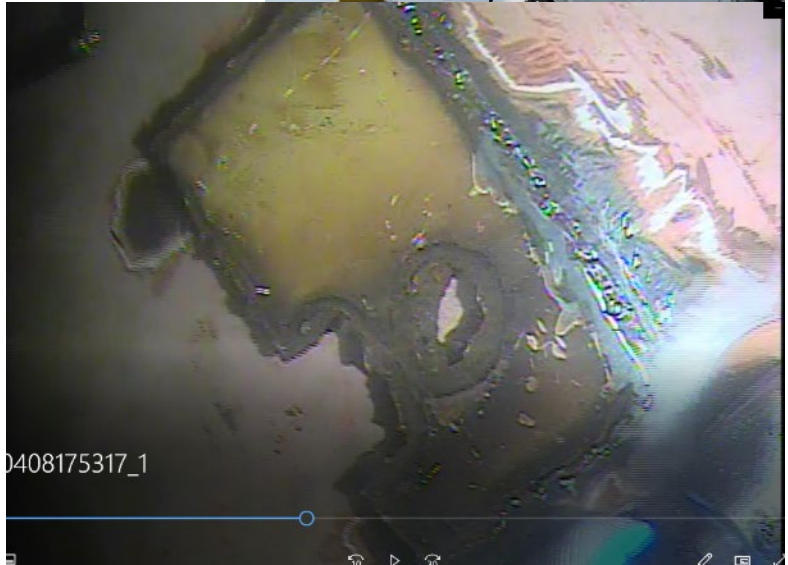
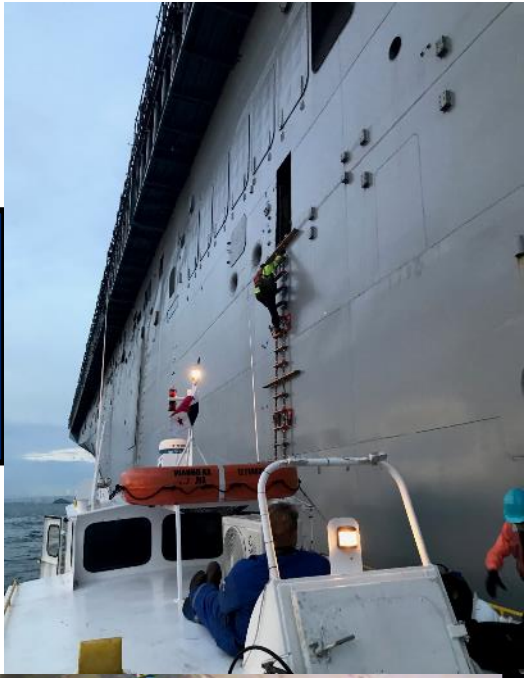




Battle Damage Assessment and Repair Exercise

**GOM and Brownsville
May 2021**

SUPSALV and Fleet salvage and repair activities from both coasts participated in a battle damage assessment and response training using the BHR hulk as it was towed from GOM to Brownsville and within the port of Brownsville.





Future BDA/BDR Plans

Navy is ramping up battle damage assessment and repair exercises. SUPSALV is supporting a number of near term planned BDR events.

- Harbor Clearance – Sea Breeze Port of Odessa, Ukraine (M/V BUREVESTNIK removal)
- Harbor Clearance – Panama City, Panama. SUPSALV and MDSU 2 to support removal of 200 ft long sunken vessel
- Ex-BOONE – SUPSALV tow Philly – North Atlantic for BDR drills and SINKEX
- Ex-INGRAHAM. Fleet tow from Bremerton to Hawaii for large scale exercise, BDR and SINKEX.
- Renewed emphasis placed on BDR in light of recent GAO report highlighting Navy's lack of preparedness.
<https://www.gao.gov/products/gao-21-246>



Selected CY20 - 21 Global UWSH Operations

EX Kitty Hawk Hull Cleaning
Everett, WA
- MAR 2021

USS RAMAGE (DDG 61) Rudder
USS COLORADO (SSN 788) Tiller Pin
Norfolk, VA
-APR/JUN 2021

EX Paul Foster Bearing Repair

USS ABRAHAM LINCOLN (CVN 72)
Propeller & Bearings
San Diego, CA
-FEB thru MAR 2021

USS MILWAUKEE (LCS 5)
Interceptor

USS THE SULLIVANS
(DDG 68) Rudder

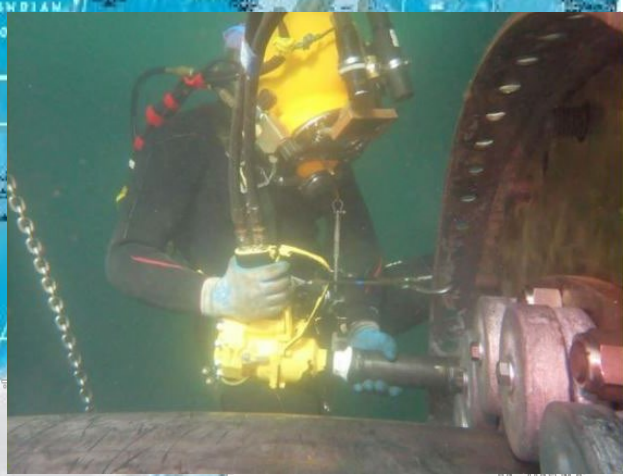
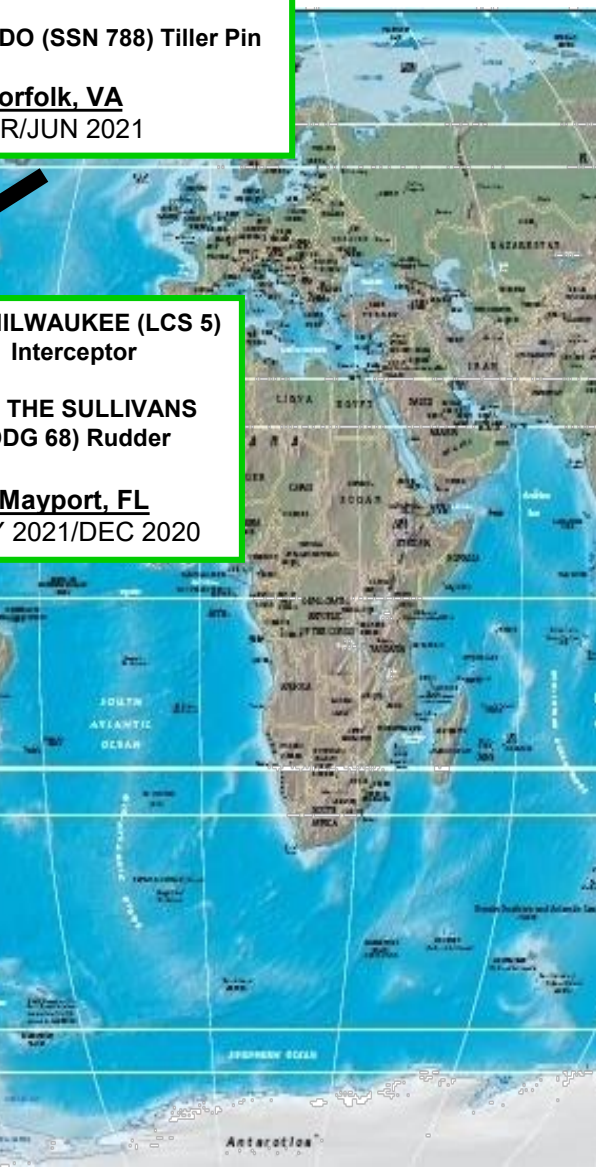
Mayport, FL
MAY 2021/DEC 2020

USS CHAFEE (DDG 90) CPP Hub Seal

USS PORT ROYAL (CG 73)
Shaft Bearings

USS CHUNG HOON (DDG 93)
Shaft Bearings

Pearl Harbor, HI
-APR thru JUN 2021





Ex-USS KITTY HAWK (CV 63) Pre Docking BioFouling Mitigation

Everett, WA
February – March 2021

Deployed personnel and contract divers to trim biofouling on hull to safe level to facilitate safe Dry-Docking.



Courtesy Kitsap Sun



Diver running SCAMP



USS PORT ROYAL (CG 73) Port Shaft Bearing Replacement

Pearl Harbor, HI
January – Present 2021

00C personnel, equipment, and contract welder/divers were deployed to assist PHNSY with the replacement of port shaft propulsion bearings - Dry Dock Avoidance.

Propulsion Bearing coming out of the water

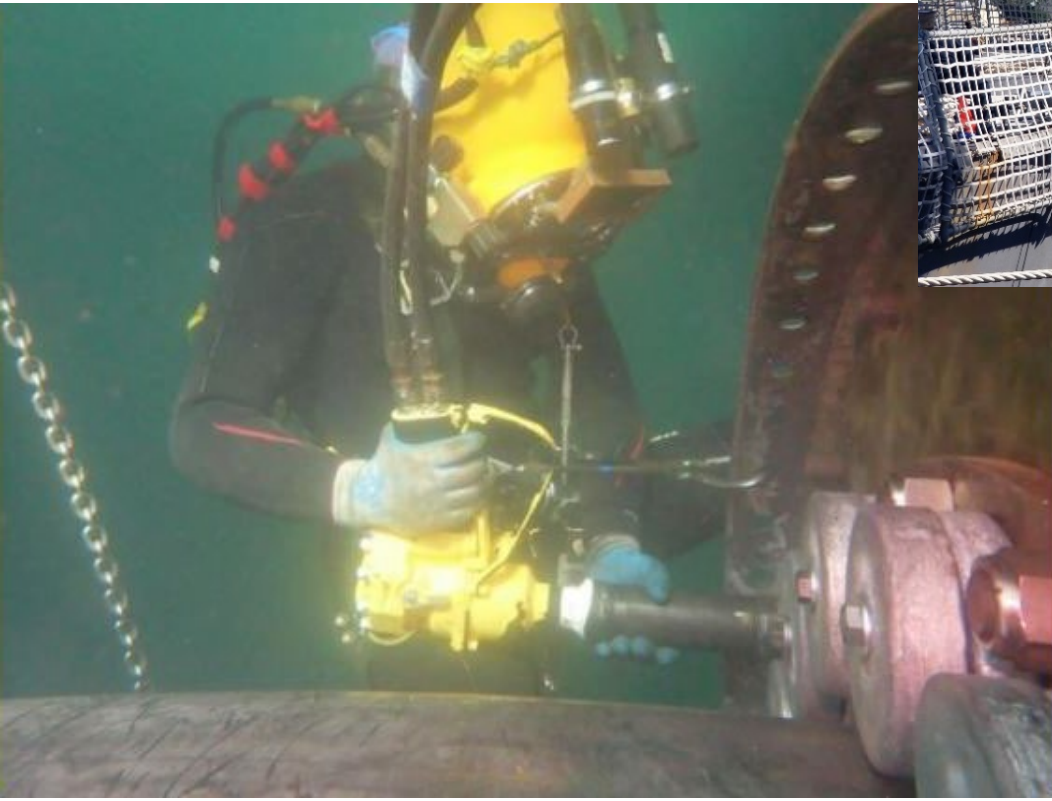


USS CHUNG HOON (DDG 93) Port & Starboard Main Bearing Replacement



**Pearl Harbor, HI
March – April 2021**

00C personnel, equipment, and contract welder/divers were deployed to replace the port and starboard main propulsion bearings - Dry Dock Avoidance.





USS RAMAGE (DDG 61) Starboard Outbd Rudder Weld Repair



Shell Plating removed during weld repairs.

**Norfolk, VA
March – April 2021**

Deployed Welder/Divers to conduct 24hr. weld repair ops to stbd outbd rudder - Dry Dock Avoidance.

