



Join us at a briefing sponsored by Senator Feinstein on **Results from Seafloor Survey of DDT Dump Site off Southern California and Ecological Impacts**

Last month, UC San Diego's Scripps Institution of Oceanography surveyed more than 35,000 acres of seafloor where barrels of the toxic pesticide DDT were discovered in 2011. Scientists will share results from the recent survey, provide background on previous discoveries, and discuss DDT's ecological impacts.

Monday, April 26, 2021 | 1:00 p.m. - 2:00 p.m. EDT

RSVP at ucsd.zoom.us/webinar/register/WN_8gdiJq9DROWi9J7yVHEXxg

Moderated by Alexis Segal, Office of Senator Dianne Feinstein

Results from Seafloor Survey of DDT Dump Site off Southern California

Eric Terrill, Ph.D., Director of the Marine Physical Laboratory at Scripps Institution of Oceanography at UC San Diego

Legacy Dumping of DDT Waste: Scientific Context is Critical to Inform the Path Forward

David Valentine, Ph.D., Professor of Earth Science and Biology at UC Santa Barbara

DDT Accumulation in Regional Marine Mammals

Eunha Hoh, Ph.D., M.S.E.S., Professor of Environmental Health at San Diego State University

Eric Terrill, Ph.D.

Director, Marine Physical Laboratory at Scripps Institution of Oceanography at UC San Diego

Scripps Marine Physical Laboratory is one of the four original Navy-University Applied Research Laboratories established in World War II, and remains an active member of the naval research enterprise.

Eric Terrill is an oceanographer with 28 years of experience leading basic and applied research programs around the globe. In 2003, he established a R&D Center within the Marine Physical Laboratory at Scripps to rapidly field new technologies and conduct exploratory and expeditionary research. Staffed by engineers, data analysts, and ocean scientists, the center has grown to serve as an interface between the research enterprise; technology development; and operational applications of science and technology in support of naval interests. In addition, Terrill has extensive experience working with industry to develop, improve, and evaluate new ocean technologies and uncrewed platforms. Terrill has a B.S. (magna cum laude) degree in Applied Mechanics and Engineering sciences from the University of California, San Diego and a Ph.D. in Physical Oceanography-Applied Ocean Sciences from Scripps Institution of Oceanography that was supported by DOD fellowships. Early in his career he was selected to receive a 3 year ONR Young Investigator Fellowship to recognize his naval-relevant research. In addition, Terrill has served on transition and government review teams for the Navy, Federal Advisory committees for NOAA; and, has twice provided congressional testimony on matters associated with emerging ocean technologies for maritime domain awareness. He is co-founder of Project Recover, a private-public collaborative which conducts global searches using robotic systems and historical intelligence analysis to locate WWII-era aircraft crash sites for reporting to the Defense POW/MIA Accounting Agency. Terrill has 34 years diving and undersea experience.

David Valentine, Ph.D.

Professor of Earth Science and Biology at UC Santa Barbara

David Valentine is a Professor of Geochemistry and Microbiology at the University of California Santa Barbara, where he holds the Norris Presidential Endowed Chair. Professor Valentine has published more than 150 articles, books and patents and is an elected Fellow of both the American Association for the Advancement of Science and the American Academy of Microbiology. Professor Valentine has participated in more than thirty oceanographic expeditions, half as Chief Scientist, and has logged more than twenty dives in the submarine, Alvin. Professor Valentine also engages in disaster response and worked with the Unified Command for both the Deepwater Horizon spill and the Refugio Beach Oil Spill. He has served as an expert witness for the criminal prosecution of Plains All American Oil Pipeline Company, as a trustee expert for multiple cases of natural resource damage assessment, and has served for the National Academies of Science on study panels considering pipeline transport of diluted bitumen and use of chemical dispersants in marine oil spill response. Professor Valentine holds multiple degrees from UC San Diego and from UC Irvine and has been a Professor at UC Santa Barbara since 2001.

Eunha Hoh, Ph.D., M.S.E.S.

Professor of Environmental Health at San Diego State University

Eunha Hoh is a Professor of Environmental Health in the School of Public Health at San Diego State University. Her primary research focus is the investigation of diverse environmental pollutants and their impact on human health and ocean health. Chemicals of interest include persistent organic pollutants, such as brominated and chlorinated organic contaminants and their degradation products; polycyclic aromatic hydrocarbons (PAHs); tobacco smoke residues; and emerging chemicals of concern. Professor Hoh has developed a non-targeted analytical approach with novel instrumentation for detection of a broad range of organic chemicals in various types of environmental matrices. Using this approach, she discovered and identified novel contaminants and conducted comprehensive organic contaminant assessments. These include environmental monitoring and human exposure assessment, indoor pollution, and evaluating environmental remediation and wastewater treatments. Professor Hoh holds a Ph.D. in Environmental Science from Indiana University.