

Mariana Arc of Fire National Wildlife Refuge**2022 Special Use Permits**

Special Use Permit #	Type of Permit	Issued To	Affiliation	Ship Name	Project Name
12542-22001	Mapping	Douglas Wood	Office of Coast Survey	<i>NOAAS Rainier</i>	Hydrographic Surveys
Description	<i>Rainier</i> and two survey boats survey nearshore waters with high-frequency multibeam echo sounders ranging in frequency from 40 – 400 kilohertz (kHz). Conductivity, Temperature, and Depth instruments (CTDs) and disposable Expendable Bathythermographs (XBTs) for profiling the water column. During the surveys, Coast Survey may anchor, as needed. No benchmarks, tide gauges, or GPS tide buoys would be installed for the project within the Mariana Trench Arc of Fire NWR. In the course of the hydrographic surveys, Coast Survey would adhere to Best Management Practices agreed to with the National Marine Fisheries Service (NMFS) in an Endangered Species Act section 7 consultations performed in 2013 and revisited in 2017.				