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UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
OFFICE OF MARINE AND AVIATION OPERATIONS  
Silver Spring, Maryland 20910-3282

JAN 21 2021

MEMORANDUM FOR: Commander Douglas E. MacIntyre, NOAA  
Director, Commissioned Personnel Center

FROM: Rear Admiral Michael J. Silah, NOAA *Michael J. Silah*  
Director, NOAA Corps

SUBJECT: Approved List of NOAA Ships Recommended for  
Designation as Unusually Arduous Sea Duty in Calendar  
Year 2021

Upon reviewing the list of ships proposed for Unusually Arduous Sea Duty designation in CY 2021, I approve designation of the following ships for this status:

NOAA Ship *Bell M. Shimada*  
NOAA Ship *Fairweather*  
NOAA Ship *Ferdinand R. Hassler*  
NOAA Ship *Henry B. Bigelow*  
NOAA Ship *Nancy Foster*  
NOAA Ship *Okeanos Explorer*  
NOAA Ship *Oregon II*  
NOAA Ship *Oscar Dyson*  
NOAA Ship *Oscar E. Sette*  
NOAA Ship *Pisces*  
NOAA Ship *Rainier*  
NOAA Ship *Reuben Lasker*  
NOAA Ship *Ronald H. Brown*  
NOAA Ship *Thomas Jefferson*

