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NOAA FISHERIES
National Marine Fisheries Service
Alaska Fisheries Science Center

2021 AFSC Seminar Series

K.C. Wilson, AFSC MACE

Tuesday, April 6th @ 10 am Pacific

Acoustic and camera-based methods to observe fish and fish behavior: Applications at spawning aggregations and in fishing gear

Both acoustics and underwater cameras enable the observation of marine fish and fish behavior in-situ. Active acoustics are widely used to characterize fish and/or invertebrate distributions, and provide biomass estimates for stock assessments. Other acoustic methods, such as acoustic tagging and passive acoustics, are also important for science and management. Cameras are frequently used to make in-situ observations at fixed locations, and can also be used to conduct video transects and census and length measurements. Together, acoustics and cameras provide a powerful combination to observe fish and fish behavior. I will present studies from two projects that have combined acoustic and camera-based methods to address research questions related to fish spawning aggregations and commercial fishing bycatch reduction devices.

For more information contact: Mike.Levine@noaa.gov or Pearl.Rojas@noaa.gov