

NOAA PERMITTED SOUTHERN RESIDENT KILLER WHALE RESEARCH PROJECTS

Small boat-based research is being conducted under National Federal Scientific Research Permits and may at times involve close approaches to whales. Look for vessels flying Yellow Research Flags indicating permitted research .

Please give the vessels space to conduct their studies.

CENTER FOR WHALE RESEARCH: POPULATION CENSUS/PHOTO ID/ SCALE SAMPLING:



This long-term photo-identification and population census study began in 1976. Southern Resident Killer Whale Identification Guides are available.

www.whaleresearch.com Vessel *ORCA*

UNIVERSITY OF CALIFORNIA DAVIS and THE WHALE MUSEUM: SOUTHERN RESIDENT KILLER WHALE BEHAVIORS:

The objective of this PhD dissertation research is to collect Southern Resident Killer Whale behavioral data in diverse settings throughout their summer range.

www.whalemuseum.org Vessel *DINO*



NORTHWEST FISHERIES SCIENCE CENTER and CASCADIA RESEARCH: KILLER WHALE DIET and HEALTH ASSESSMENT:



This study is examining killer whale diet and overall health through the collection of prey item remains (fish scales etc.) and "scat" or fecal samples. Additionally, suction-cup attached time-depth recorders may be used to examine the underwater and night-time behavior of transient killer whales. www.nwfsc.gov/research/divisions/cbd/marine_mammal/

Vessel *PHOCENA*

UNIVERSITY OF WASHINGTON, THE CENTER FOR CONSERVATION BIOLOGY and Center for Whale Research: KILLER WHALE HEALTH AND STRESS ASSESSMENT:

This study is collecting whale scat to measure stress levels, nutritional status, toxin exposure, disease, and reproductive condition. Visit web site Center for Conservation Biology Conservation Canine Program,

<http://depts.washington.edu/conserv/>

Vessel (s) Various CWR boats, *ORCA* & *STARLIGHT*



NORTHWEST FISHERIES SCIENCE CENTER: NOISE EFFECTS ON ACOUSTIC BEHAVIOR:



This NWFSC study is looking at noise effects on the acoustic behavior of Southern Residents. Sound emissions produced by whales will be recorded via a hydrophone array to determine how vocal behavior changes with changes in noise levels. http://www.nwfsc.noaa.gov/research/divisions/cbd/marine_mammal/marinemammal.cfm

Vessel *NOCTILUCA*