From: Naseem Alston - NOAA Federal <naseem.alston@noaa.gov>

Sent:Thursday, May 16, 2019 3:51 PMTo:Dan Lawson - NOAA FederalSubject:Re: killer whale in baseline

Thanks Dan.

Do you happen to know what the citation is for the following statement? I'm assuming its not the same as the unpublished data one, as the science center isn't NMFS...?

There have been several Southern Residents that have been observed in recent years with the "peanut-head" condition, and the majority of these individuals died relatively soon after these observations (NMFS 2017).

thanks for your help,

Naseem O. Alston ESA-Section 7 Coordinator/Fish Biologist NOAA Fisheries West Coast Region U.S. Department of Commerce California Central Valley Office Sacramento, CA (916)930-3655 http://www.westcoast.fisheries.noaa.gov/

On Tue, May 7, 2019 at 1:57 PM Dan Lawson - NOAA Federal < dan.lawson@noaa.gov > wrote: Hanson, Brad. 2017. Satellite tracks of Southern Resident Killer Whales. Unpublished Data. NOAA's Northwest Fisheries Science Center.

This should cover both excerpts.

Dan

On Mon, May 6, 2019 at 6:22 PM Naseem Alston - NOAA Federal < <u>naseem.alston@noaa.gov</u>> wrote: Hi Dan,

Thanks again for those environmental baseline updates/response to Rosalie's comments!

One Request: for citation for the unpub data mentioned, as we will be including an actual citation. Can you send me text to fit into this template for the below excerpts:

Last name, first. YEAR. Title, Unpublished Data. NOAA's Northwest Fisheries Science Center.

Satellite-linked tag deployments on K and L pod animals indicate that those pods in particular use the coastal waters along Washington, Oregon, and California during non-summer months (Northwest Fisheries Science Center Unpublished data[NA1]).

[NA1]Get reference from Dan

Detection rates of K and L pods on passive acoustic recorders indicate the whales occur with greater frequency off the Columbia River delta and Westport, Oregon, and are most common in March (Hanson et al. 2013). Results of recent satellite tagging indicate the limited occurrence along the outer coast by J pod (Northwest Fisheries Science Center) where J pod has also only been detected on one of seven passive acoustic recorders positioned along the outer coast; members of the J pod do not appear to travel to Oregon or California like K and L pods (Hanson et al. 2013).

Thanks,

Naseem O. Alston ESA-Section 7 Coordinator/Fish Biologist NOAA Fisheries West Coast Region U.S. Department of Commerce California Central Valley Office Sacramento, CA (916)930-3655 http://www.westcoast.fisheries.noaa.gov/

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Dan Lawson NMFS Protected Resources Division West Coast Region 7600 Sand Point Way NE, Bldg 1 Seattle WA 98115 206-526-4740