From: Dan Lawson - NOAA Federal <dan.lawson@noaa.gov>

Sent:Thursday, May 30, 2019 10:44 AMTo:Naseem Alston - NOAA FederalSubject:Re: killer whale in baseline

I don't have it. There is going to be a good reference to/for it when the new proposed critical habitat for SRKWs comes out, but that isn't available yet. What is available is what tracking data has been posted on the NWFSC website:

https://www.nwfsc.noaa.gov/research/divisions/cb/ecosystem/marinemammal/satellite_tagging/index.cfm

That is all I have at this point.

Dan

On Thu, May 30, 2019 at 10:34 AM Naseem Alston - NOAA Federal < <u>naseem.alston@noaa.gov</u>> wrote: Hi Dan,

thanks for getting back to us on the comments!

Sorry to go back to the reference... but do you have the unpublished data (mentioned below)? we will need to attach it to the citation in endnote.

thanks again,

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 Unpublished Data.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 <naseem.alston@noaa.gov> 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 Title, Unpublished Data.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coastal waters along Washington, Oregon, and California during non-summer months (Northwest Fisheries Science Center Unpublished data[NA1]).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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