From:	Evan Sawyer - NOAA Federal <evan.sawyer@noaa.gov></evan.sawyer@noaa.gov>
Sent:	Thursday, April 25, 2019 11:57 AM
То:	J. Stuart - NOAA Federal
Cc:	Cathy Marcinkevage - NOAA Federal; Garwin Yip - NOAA Federal
Subject:	Re: Use of "entrainment" as a stressor

Hmmm OK, I see that in the stressor table you have both "Entrainment" and "Flow Conditions". I think it makes sense to refer to both. I was just wondering if you ever specifically referred to the "Entrainment" stressor when you may have describing "Flow Conditions"?

Not a big deal, just a consistency thing, Evan

On Thu, Apr 25, 2019 at 11:40 AM J. Stuart - NOAA Federal <<u>j.stuart@noaa.gov</u>> wrote: I have used entrained/ entrainment as part of flow effects for going into different channels, with advection also used when talking about tidal forcing. Sorry for the obvious confusion now on the terms usage.

On Thu, Apr 25, 2019 at 10:00 AM Evan Sawyer - NOAA Federal <<u>evan.sawyer@noaa.gov</u>> wrote: Hey Jeff,

I wanted to check with you regarding how you've used or referenced "entrainment" as a stressor. I'm writing up the stressor intro and I've focused on entrainment/impingement at water diversions and i wanted to make sure that you're not using "entrainment" as a stressor for "flow conditions: routing affecting survival" (things like DCC, Georgiana Slough advections, etc.)?

Thanks, Evan

Evan Bing Sawyer, Natural Resource Management Specialist NOAA Fisheries West Coast Region U.S. Department of Commerce Office: (916) 930-3656 Evan.Sawyer@noaa.gov www.westcoast.fisheries.noaa.gov



**Jeffrey S. Stuart, M.S.** *Fishery Biologist* 

NOAA Fisheries West Coast Region U.S. Department of Commerce *California Central Valley Office* 650 *Capitol Mall, Suite* 5-100 *Sacramento, CA* 95814-4706

Office: 916-930-3607 J.Stuart@noaa.gov



Find us online www.westcoast.fisheries.noaa.gov

--

Evan Bing Sawyer, Natural Resource Management Specialist NOAA Fisheries West Coast Region U.S. Department of Commerce Office: (916) 930-3656 Evan.Sawyer@noaa.gov www.westcoast.fisheries.noaa.gov

