Kristin Begun - NOAA Affiliate

From: Kristin Begun - NOAA Affiliate

Sent: Wednesday, May 22, 2019 3:46 PM

To: Barbara Byrne - NOAA Federal

Subject: Re: Take Outline

Hi Barb,

Have you had a chance to look at Naseem's ITS outline? I'm thinking all effects on the Stan and SJR should use an ecological surrogate to determine take, by area of affected river. We don't have solid numbers of spring-run or steelhead, so a surrogate might be easier. What are your thoughts?

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On Tue, May 21, 2019 at 4:59 PM Naseem Alston - NOAA Federal < <u>naseem.alston@noaa.gov</u>> wrote: Division Leads,

Brittany and I are working on the Take Statement, and it would be a big help if you could give us a few moments (15 min) of your time.

Please take a look at the attached one-pager Take Outline table (also on the drive: R:\Draft BiOp\2 ESA\2.11 ITS - Take Outline)

It is a *super quick/dirty* outline of the general categories of take per division based on the I&S tables.

I'm sure there are many more specific rows to add, but what we are looking for is your <u>initial thoughts on</u> what might be used for a surrogate.

(do we have actual numbers/data? do we have modeled numbers? might we use size of habitat affected? temps/flows? etc)

If you can take a quick look this week (check with managers on priorities if needed) - and let us know you've looked and offered some ideas (or had none), we'd really appreciate it!

thanks for your time,

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/