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Sent: Tuesday, May 21, 2019 4:59 PM
To: Sarah Gallagher - NOAA Federal; Evan Sawyer - NOAA Affiliate; J. Stuart; Barb Byrne; Brian Ellrott; Joe Heublein - NOAA Federal
Cc: Cathy Marcinkevage; Garwin Yip; Brittany Cunningham - NOAA Affiliate; Howard Brown; Kristin McCleery - NOAA Affiliate
Subject: Take Outline

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 initial thoughts on 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,

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