
From: Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>
Sent: Saturday, March 9, 2019 7:30 AM
To: Barbara Byrne - NOAA Federal; Naseem. Alston; J. Stuart; Page Vick - NOAA Affiliate
Subject: Re: Guidance on stressors and capturing assumptions about the PA.

Excellent!!!! I think this is a critical and really great development. Thanks for contributing and great work.

On Mar 8, 2019, at 5:05 PM, Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov> wrote:

Attached (and saved on google drive in ROConLTO/BiOp, can also see 3/8/19 ROConLTO Daily update for links to documents on the google drive) are:

1. Final Stressors guidance (thanks to Naseem for pulling much of this together), including:

- **Stressors from relevant recovery plans**, including the final list from Page for green sturgeon (thanks, Page!)
- **Example stressors table** for the top of each Divisions Effects to Species section. Depending on how many PA components you have to deal with, you may need to make multiple tables. I set the text direction for the PA components to vertical to try to provide the narrowest fit...
- **Example of specific effects within CV Salmonid stressors** (thanks to Monday's group for brainstorming and to Jeff for final pass)
- **Example of specific effects within green sturgeon stressors** (thanks to Page)

2. Excerpt from 2009 BiOp (from within the "Deconstruct the Action" section within the Division effects analysis) that provides an example of how to capture assumptions about the PA with statements such as "2. Poorly defined decision trees and adaptive management processes limit the utility of model runs to assess likely operational conditions".

Barb

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Barb Byrne
Fish Biologist
NOAA Fisheries West Coast Region
U.S. Department of Commerce
Office: 916-930-5612
barbara.byrne@noaa.gov
California Central Valley Office
650 Capitol Mall, Suite 5-100
Sacramento, CA 95814



Find us online

www.westcoast.fisheries.noaa.gov



<Example from 2009 BiOp_PA assumptions for East Side Division.pdf>

<2019.03.08_Guidance on Stressors for ROConLTO.docx>