From: Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>

**Sent:** Thursday, March 14, 2019 8:31 PM **To:** Garwin Yip - NOAA Federal

Cc: Barbara Byrne - NOAA Federal; Howard.Brown; Evan Sawyer - NOAA Affiliate; Douglas

Hampton

Subject: Re: REVISED (Read this one): Draft of "Uncertainties in the ROConLTO BA"

I think this is in response to a request from Howard on uncertainties to go into the AMP. If that's the case, no more explanation needed -- We'll talk with HB and he and I have it from here.

On Mar 14, 2019, at 8:28 PM, Garwin Yip - NOAA Federal < garwin.yip@noaa.gov > wrote:

Barb,

See attached for my track changes. What is this for? A memo to the record? Documentation for the BiOp?

-Garwin-

Garwin Yip

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On Wed, Mar 13, 2019 at 8:45 PM Barbara Byrne - NOAA Federal < <u>barbara.byrne@noaa.gov</u>> wrote:

The attached revision includes a 4th category of uncertainties. I made no changes to categories 1-3 that were included in my previous draft, other than to include the feedback I got from Doug.

Please (except for Doug) review this version rather than the one in my 6:50pm e-mail.

On Wed, Mar 13, 2019 at 6:50 PM Barbara Byrne - NOAA Federal < <u>barbara.byrne@noaa.gov</u>> wrote:

Subject doc attached.

**Howard** -- Let me know if this "categorical" approach works. I've listed examples, rather than an exhaustive list, since many elements still have SOME uncertainty associated with them and didn't think listing all PA components would be that helpful.

**Doug & Evan --** Please see comments <u>addressed to you on p. 2</u>; asking for your help in identifying a "reference consultation" we could use for easy, and reasonable, assumptions on some specific programmatic elements of the ROConLTO Proposed Action. If you don't know of a relevant BiOp off the top of your head just let me know that and don't worry about looking for one! Please respond by noon Thursday (3/14). Thanks.

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## **Barb Byrne**

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