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**From:** Joe Heublein - NOAA Federal <joe.heublein@noaa.gov>  
**Sent:** Wednesday, May 1, 2019 6:27 PM  
**To:** Yip', 'Garwin  
**Subject:** Fwd: v4 Green sturgeon I&S

See attached

----- Forwarded message -----

**From:** **Rosalie del Rosario - NOAA Federal** <[rosalie.delrosario@noaa.gov](mailto:rosalie.delrosario@noaa.gov)>  
**Date:** Wed, May 1, 2019 at 3:17 PM  
**Subject:** v4 Green sturgeon I&S  
**To:** Joe Heublein - NOAA Federal <[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)>, Brian Ellrott <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)>  
**Cc:** Howard Brown <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)>, Garwin Yip <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)>, Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)>

Hi Joe,

Thanks for version 4 of the Green sturgeon. It's coming along very nicely and I think the briefing for Barry and our conversation yesterday have really helped to home in on the important points to get across in the I&S sections.

A couple of comments that would apply for all I&S sections:

- Now that there's more clarity on the major effects from PA, please double check the discussion in the narrative and I&S table are consistent.
- As you noted in your transmittal, still need to address uncertainties with programmatic actions in the I&S.
- Capture benefits from PA's restoration actions.

Copying the big cheeses to keep them in the know....

Please let me know if you have questions!

Thanks,  
Rosalie

On Tue, Apr 30, 2019 at 5:03 PM Joe Heublein - NOAA Federal <[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)> wrote:

Hi Rosalie and Brian,

I saved the GS I&S in CVP ROCON as-

2.8 Integration and Synthesis HEUBLEIN GS V3.rd

I reordered the tables and deleted rows that were NA and uncertain in track changes but haven't gotten to a narrative description of uncertain effect components. It may be sufficient for division leads to include uncertain effect components in the effects sections. Through these reviews I've accepted some of the deletions and lost some comments but tried to keep all the comments and track change sections that still had outstanding issues.

Thanks

Joe

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