

**Amanda Cranford - NOAA Federal**

---

**From:** Amanda Cranford - NOAA Federal  
**Sent:** Thursday, March 28, 2019 5:38 PM  
**To:** Naseem Alston - NOAA Federal  
**Subject:** Re: one other thing - help?  
**Attachments:** Importance of the Action Area for the Survival and Recovery of Listed Fish Species - steelhead\_AC.docx

See attached. Kept it pretty minimal to match the other sections. Let me know if you need more info.

On Thu, Mar 28, 2019 at 3:17 PM Naseem Alston - NOAA Federal <[naseem.alston@noaa.gov](mailto:naseem.alston@noaa.gov)> wrote:  
Hi Amanda,

I remembered one other thing I was thinking of asking you to help with.  
See attached - its a section within the EnvB on "recovery" - a section to set the stage for what is needed for recovery (criteria), and where are we at right now.  
And specifically is the PA going to affect any of those populations.

Please take a look at the spring-run paragraph and my conclusion (let me know if you have additional/different wording) - and let me know if you can provide something similar for the end of the steelhead paragraph.  
Basically, anything to say about the current state of the "core 1" type populations...

let me know your thoughts/concerns!  
thanks,

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/>

--

Amanda Cranford  
Acting Sacramento River Basin Branch Chief  
NOAA Fisheries West Coast Region  
California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814  
Office: (916) 930-3706

Cell: (916) 600-5410



[www.westcoast.fisheries.noaa.gov](http://www.westcoast.fisheries.noaa.gov)