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**From:** Amanda Cranford - NOAA Federal <amanda.cranford@noaa.gov>  
**Sent:** Monday, April 15, 2019 5:44 PM  
**To:** Brittany Cunningham - NOAA Affiliate  
**Subject:** Re: Info for SOS from Spring-run Action Plan  
**Attachments:** 2-2-Status-of-Species-and-CH-V3\_AC.docx

See attached for proposed additions in Tracked Changes. Let me know if you have any questions or need clarification.

On Mon, Apr 15, 2019 at 4:24 PM Brittany Cunningham - NOAA Affiliate <[brittany.cunningham@noaa.gov](mailto:brittany.cunningham@noaa.gov)> wrote:

Hi Amanda,

Here are the sentences that Naseem flagged to be updated with info from the Spring-run Action Plan along with her comments.

1. The resulting returns in 2016 and 2017, were very low (1,659 and 691 respectively), as was the 2018 returns.

**Naseem:** Doesn't cover the years after finalized. Use the spring-run action plan – check with Amanda.

2. In summary, the extinction risk for the CV spring-run Chinook salmon ESU remains at moderate risk of extinction (NMFS 2016b). However, based on the severity of the drought and the low escapements, as well as increased pre-spawn mortality in Butte, Mill, and Deer creeks in 2015, there is concern that these CV spring-run Chinook salmon strongholds will deteriorate into high extinction risk in the coming years based on the population size or rate of decline criteria (NMFS 2016b).

**Naseem:** Several more years of data/info – add action plan

3. Currently, many of the PBFs of CV spring-run Chinook salmon critical habitat are degraded and provide limited high-quality habitat. Factors that lessen the quality of migratory corridors for juveniles include unscreened or inadequately screened diversions, altered flows in the Delta, scarcity of complex in-river cover, and the lack of floodplain habitat.

**Naseem:** Add some from action plan? Flows and temperatures in tribs?

I have also attached the document with Naseem's comments if you need more context. Let me know if you have any further questions

Thank you so much for your help!

Brittany

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