

---

**From:** Joe Heublein - NOAA Federal <joe.heublein@noaa.gov>  
**Sent:** Monday, April 22, 2019 3:41 PM  
**To:** Howard Brown - NOAA Federal; Yip', 'Garwin  
**Cc:** Brian Ellrott - NOAA Federal  
**Subject:** Re: AR stressor tables

Works for me, seasonal ops are probably one in the same with temperature management

I'm revising the I&S right now and going over comments with Rosalie tomorrow, in the meeting today Garwin suggested for now we focus on I&S rather than his American R. effects comments

On Mon, Apr 22, 2019 at 3:33 PM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:  
For the Barry briefing there are basically three AR steelhead effects of high magnitude. Once is related to hatchery management and the other I attributed to seasonal operations. Does that work for you guys for now?

On Mon, Apr 22, 2019 at 3:24 PM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:  
Likely an oversimplification on my part, but I thought the deconstructed action was unnecessarily complex with seasonal operations that crossed life stages. I could take on fixing that later this week.

On Mon, Apr 22, 2019 at 3:17 PM Howard Brown - NOAA Federal <[howard.brown@noaa.gov](mailto:howard.brown@noaa.gov)> wrote:  
Brian and Joe, I am wondering why the action components are not listed in the American River stressor tables. How much work would it take to include them?

H

--

**Howard L. Brown**  
*Policy Advisor*  
NOAA Fisheries, West Coast Region  
U.S. Department of Commerce  
(916) 930-3608  
[Howard.Brown@noaa.gov](mailto:Howard.Brown@noaa.gov)



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

--

**Brian Ellrott**  
*Central Valley Salmonid Recovery Coordinator*  
NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
Mobile: 916-955-7628  
Office: 916-930-3612  
[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)

--

**Howard L. Brown**

*Policy Advisor*

*NOAA Fisheries, West Coast Region*

*U.S. Department of Commerce*

(916) 930-3608

[Howard.Brown@noaa.gov](mailto:Howard.Brown@noaa.gov)



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

--

Joe Heublein

California Central Valley Office

650 Capitol Mall, Suite 5-100

Sacramento, CA 95814

Office: 916-930-3719

FAX: 916-930-3629

[joe.heublein@noaa.gov](mailto:joe.heublein@noaa.gov)

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

