From: Sarah Gallagher - NOAA Federal <sarah.gallagher@noaa.gov>

**Sent:** Monday, March 25, 2019 10:34 AM

To: Gard, Mark

**Subject:** Request for info on Clear creek redd dewatering

## Good morning Mark,

Several years ago, I recall you doing some analysis on steelhead redd dewatering in Clear Creek in a drought year when flows needed to be lowered in the winter. FWS measured tail spill depths and locations and you estimated redd dewatering rates. Do you have a summary of this available? I am working on effects analyis for the Biop. Thanks for any info you can provide.

## Sarah Gallagher | Fish Biologist

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