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

**Sent:** Monday, April 8, 2019 4:16 PM **To:** Evan Sawyer - NOAA Federal

**Subject:** Fwd: [EXTERNAL] Another WUA question for you

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

From: Mark Gard <mark gard@fws.gov>

Date: Mon, Apr 8, 2019 at 4:14 PM

Subject: Re: [EXTERNAL] Another WUA question for you

To: Sarah Gallagher - NOAA Federal <<u>sarah.gallagher@noaa.gov</u>> Cc: <<u>mike.urkov@gmail.com</u>>, <<u>mtompkins@flowwest.com</u>>

No - could probably do it on area of gravel added times average combined suitability. I would be surprised if habitat is limiting for anything but fall-run though.

Sent from my iPhone

On Apr 8, 2019, at 4:05 PM, Sarah Gallagher - NOAA Federal < sarah.gallagher@noaa.gov > wrote:

Hi again Mark,

Have you ever updated the WUA curves for the upper Sacramento River since all of the Restoration and gravel additions? If not, how would restoration factor in?

Thanks again for your help.

## Sarah Gallagher | Fish Biologist

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