
From: Ann Marie Osterback - NOAA Affiliate <annmarie.osterback@noaa.gov>
Sent: Wednesday, May 22, 2019 9:59 AM
To: Eric Danner - NOAA Federal
Subject: Re: Winter-run Life Cycle Model results question

Hey Eric,

Yes, you are correct-- the WRLCM CRR includes age structure.

Ann-Marie

On Wed, May 22, 2019 at 9:21 AM Eric Danner - NOAA Federal <eric.danner@noaa.gov> wrote:
Ann-Marie - I think the answer is yes, but wanted to double check with you first.

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

From: **Brian Ellrott - NOAA Federal** <brian.ellrott@noaa.gov>
Date: Wed, May 22, 2019 at 9:16 AM
Subject: Winter-run Life Cycle Model results question
To: Eric Danner - NOAA Federal <eric.danner@noaa.gov>

Does the model provide true cohort replacement rate (i.e., with age structure) or just assume all fish return as 3 year olds?

--
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*

--
Eric Danner, Ph.D.
Supervisory Research Ecologist
Fisheries Ecology Division, Southwest Fisheries Science Center
110 McAllister Way
Santa Cruz, CA 95060
831-420-3917
<http://swfsc.noaa.gov/>

--
Ann-Marie K. Osterback
NMFS Southwest Fisheries Science Center

110 McAllister Way
Santa Cruz, CA 95060
(831) 420-3973
anmarie.osterback@noaa.gov