From: Eric Danner - NOAA Federal <eric.danner@noaa.gov>

**Sent:** Wednesday, May 22, 2019 9:22 AM **To:** Ann Marie Osterback - NOAA Affiliate

**Subject:** Fwd: Winter-run Life Cycle Model results question

Ann-Marie - I think the answer is yes, but wanted to double check with you first.

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

From: Brian Ellrott - NOAA Federal <bri>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?

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## **Brian Ellrott**

Central Valley Salmonid Recovery Coordinator NOAA Fisheries West Coast Region U.S. Department of Commerce

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