From: Brian Ellrott - NOAA Federal <bri> brian.ellrott@noaa.gov>

Sent: Thursday, March 14, 2019 10:06 AM

To: Stuart, Jeff

Subject: Most recent estimates of salmon mortality/survival through the Delta

Jeff.

Can you point me to recent literature I could use to complete the paragraph below? It doesn't have to be specific to winter-run.

Operating the CVP/SWP and the resultant conditions that are created reduce survival of juvenile salmonids outmigrating through the Delta. Prior to the protections established by the 2009 biological opinion, mortality of winter-run juveniles entering the interior of the Delta (through DCC or Georgiana Slough), was estimated to be approximately 66%, with a range of 35-90% mortality(NMFS 2009[BE1]). More recently, juvenile salmon mortality through the Delta has been estimated at...X%

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