

---

**From:** Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov>  
**Sent:** Wednesday, March 6, 2019 2:33 PM  
**To:** Hilts, Derek  
**Cc:** Cathy Marcinkevage - NOAA Federal  
**Subject:** Re: [EXTERNAL] Historic Exports

Thanks Derek. Those data seem like what I'm after, but I'll look to understand the caveats you mentioned.

On Wed, Mar 6, 2019 at 2:22 PM Hilts, Derek <derek\_hilts@fws.gov> wrote:

Hey Brian,

I don't know if you intentionally said "unimpaired Delta inflow", but I will assume you did. See Appendix B's Table B-28 of the attached report.

Unimpaired flow estimates have a gigantic number of caveats that come with them. The attached report has a ton of information that might be of interest to you.

Derek

Derek Hilts M.S., P.E.  
US Fish and Wildlife Service  
650 Capitol Mall Room 8-300  
Sacramento, California 95814  
Work desk phone 916.930.5633

On Wed, Mar 6, 2019 at 1:51 PM Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov> wrote:

Hi Derek,

Some day this project will push you out the door, but I'm really glad it hasn't happened yet. Thanks for the export data!

Any chance you would have data or a figure on the percentage of CVP/SWP Delta exports relative to total unimpaired Delta inflow over that same or a similar historic time period? As in what's the percent taken out each year.

Thanks,  
Brian

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

**From:** Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>  
**Date:** Fri, Mar 1, 2019 at 4:14 PM  
**Subject:** Fwd: [EXTERNAL] Historic Exports  
**To:** Brian Ellrott <brian.ellrott@noaa.gov>

Try this? Want it to go longer?

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

From: **Hilts, Derek** <derek\_hilts@fws.gov>

Date: Fri, Mar 1, 2019 at 4:04 PM

Subject: Re: [EXTERNAL] Historic Exports

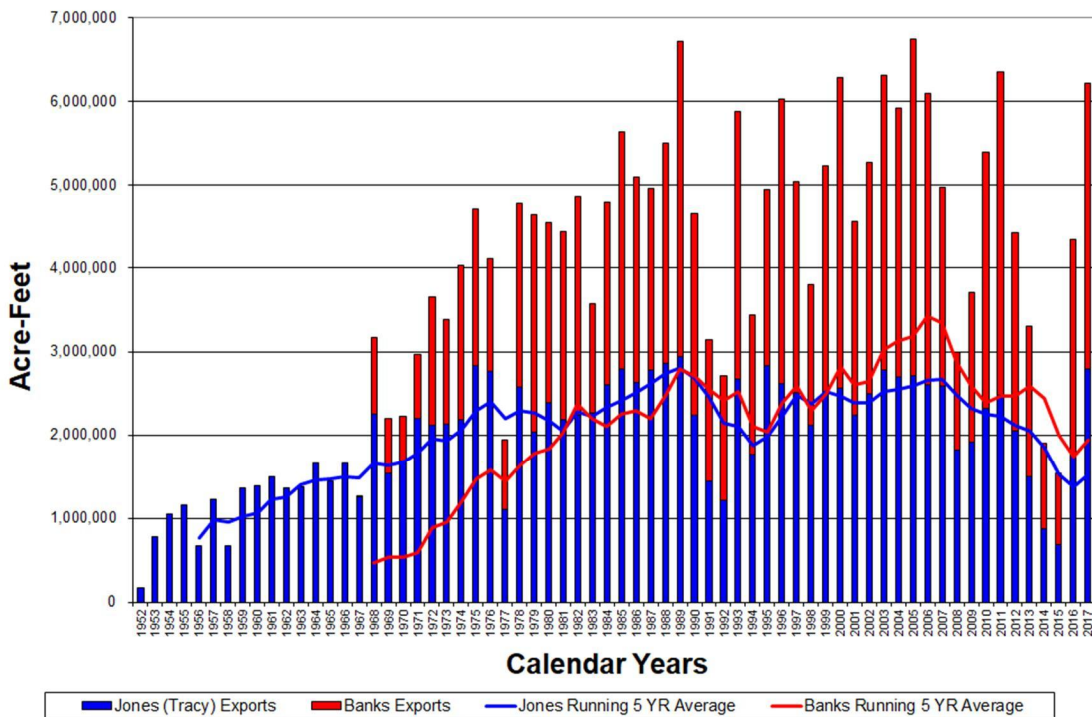
To: Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>

Cathy,

I have this chart, but it only goes through Dec 2017. I can update it for 2018 numbers on Monday if you want.

Derek

### Annual Historical Delta Export Pumping Volumes



Derek Hilts M.S., P.E.  
US Fish and Wildlife Service  
650 Capitol Mall Room 8-300  
Sacramento, California 95814  
Work desk phone 916.930.5633

--  
**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](mailto:brian.ellrott@noaa.gov)

--

**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](mailto:brian.ellrott@noaa.gov)