
From: Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov>
Sent: Thursday, March 7, 2019 1:10 PM
To: Hilts, Derek
Cc: Cathy Marcinkevage - NOAA Federal
Subject: Re: [EXTERNAL] Historic Exports

After reading the DWR report you sent, it seems that total Delta exports divided by total natural Delta inflow would better represent the percentage taken out. I didn't see a companion table for natural inflow like Appendix B's Table B-28, although there are some data on natural Delta inflows. Any advice on a next step?

On Wed, Mar 6, 2019 at 3:57 PM Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov> wrote:
Yes, super helpful. Thanks Derek.

On Wed, Mar 6, 2019 at 4:37 PM Hilts, Derek <derek_hilts@fws.gov> wrote:
In case it helps, I put the table in Excel (double check me) along with the combined Tracy and Banks exports. (attached).
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 2:33 PM Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov> wrote:
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

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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

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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>

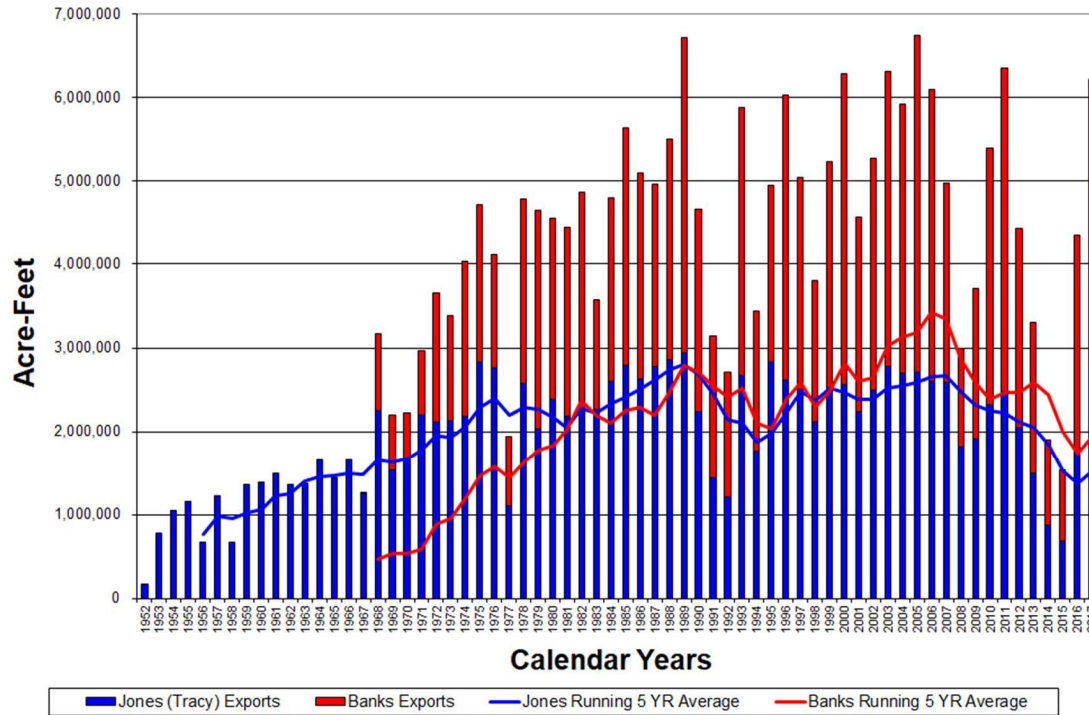
Try this? Want it to go longer?

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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



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