From: Evan Sawyer - NOAA Federal <evan.sawyer@noaa.gov>

Sent: Thursday, June 6, 2019 12:08 PM **To:** Cathy Marcinkevage - NOAA Federal

Subject: Re: Tier stats **Attachments:** Tier Stats v4.docx

Hey Cathy,

I noticed I had 2 wrong numbers in the last version (v3) which I've fixed and highlighted in yellow in the attached version (v4).

Also I did a thing. I used the metrics to look at how often the modeling showed an exceedence (TDM) or underperformance (ETF). Last page of the attached version (v4) has a table describing this. I think this shows that even if there are frequent instances of high TDM (above a particular metric) the frequency of low ETF (below a metric) is less frequent, meaning a "warning" or "convening a panel" would occur less frequently (acknowledging the modeled ETF is really just a modified TDM value but the ETF metric is different so it's like measuring the TDM 2 times, once with the TDM metric and then with the ETF metric.)

Evan

On Thu, Jun 6, 2019 at 10:26 AM Evan Sawyer - NOAA Federal <<u>evan.sawyer@noaa.gov</u>> wrote: Hi Cathy,

new with table of what was in the last version:

On Thu, Jun 6, 2019 at 10:09 AM Evan Sawyer - NOAA Federal <<u>evan.sawyer@noaa.gov</u>> wrote: Hi Cathy,

I also included some other "historic numbers" for consideration but they're a little Reclamation-y. I" put this in a table for comparison didn't think to sorry. 5 more minutes. Evan

On Thu, Jun 6, 2019 at 9:22 AM Evan Sawyer - NOAA Federal <<u>evan.sawyer@noaa.gov</u>> wrote: Hi Cathy,

See attached. All modeled results are based on the Martin model of TDM.

Evan

--

Evan Bing Sawyer,

Natural Resource Management Specialist NOAA Fisheries West Coast Region U.S. Department of Commerce Office: (916) 930-3656

Evan.Sawyer@noaa.gov

www.westcoast.fisheries.noaa.gov



--

Evan Bing Sawyer,

Natural Resource Management Specialist NOAA Fisheries West Coast Region U.S. Department of Commerce Office: (916) 930-3656

Evan.Sawyer@noaa.gov

www.westcoast.fisheries.noaa.gov



--

Evan Bing Sawyer,

Natural Resource Management Specialist NOAA Fisheries West Coast Region U.S. Department of Commerce Office: (916) 930-3656

Evan.Sawyer@noaa.gov

www.westcoast.fisheries.noaa.gov



--

Evan Bing Sawyer,

Natural Resource Management Specialist NOAA Fisheries West Coast Region U.S. Department of Commerce Office: (916) 930-3656

Evan.Sawyer@noaa.gov
www.westcoast.fisheries.noaa.gov

