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**From:** Miles Daniels - NOAA Affiliate <miles.daniels@noaa.gov>  
**Sent:** Thursday, May 23, 2019 2:26 PM  
**To:** Eric Danner - NOAA Federal  
**Subject:** Re: TDM for 2012-2018

Hi Eric,

Attached is a temperature-dependent egg mortality plot for 1990-2017. The plot shows 5th, 25th, mean, median, 75th, and 95th estimates. The plot was made with data sent in the previous email.

-Miles

On Thu, May 23, 2019 at 1:16 PM Miles Daniels - NOAA Affiliate <[miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)> wrote:  
Hi Eric,

Attached is a Matlab file and .xls file with the temperature-dependent egg mortality estimates with 5th, 25th, mean, median, 75th, and 95th estimates. Let me know if you have a file to compare them with.

-Miles

On Thu, May 23, 2019 at 10:35 AM Miles Daniels - NOAA Affiliate <[miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)> wrote:  
Yep, Sara is sending me the 1990-2017 redd data and I'll run those.

-Miles

On Thu, May 23, 2019 at 10:06 AM Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)> wrote:  
Thanks - can you get these all the way back as far as we have them? They region needs them for a call this afternoon.

On Wed, May 22, 2019 at 5:02 PM Miles Daniels - NOAA Affiliate <[miles.daniels@noaa.gov](mailto:miles.daniels@noaa.gov)> wrote:  
Hi Eric,

Attached are two excel files that have estimates of temperature-dependent egg mortality.

One file ('TDM\_2012\_2018') is using year specific redd distributions to calculate mortality (i.e. only distributions for year 2016 are used to estimate mortality in 2016). The other file ('TDM\_2012\_2018\_ALL\_REDDS') is using redd distributions for years 2012-2017 for mortality estimates of each year.

I ran both of these because we currently do not have 2018 redd distributions, but looking at the attached plot, there does not seem to be large differences in either approach. Therefore, we could potentially use the 2012-2017 redd distributions to estimate 2018 for the short term.

-Miles

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