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**From:** Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>  
**Sent:** Monday, May 13, 2019 10:51 AM  
**To:** Mooney, David; Israel, Joshua A; Michael Beakes  
**Cc:** Howard.Brown; Garwin Yip - NOAA Federal; Cathy Marcinkevage  
**Subject:** Some materials to inspire/support discussion at "Delta salvage measures" meeting this afternoon

Dave, Josh, and Mike -- Attached are some materials drafted during the furlough when we were working out WIIN Act criteria. I heard on Friday that Reclamation's preference is for a more seasonal, rather than "metered", approach to managing loss, but wanted to share some specifics on a potential approach for "metering" loss throughout the season (specific to winter-run Chinook).

Also attached is an Excel spreadsheet that summarizes the observed winter-run loss 2010-2018. I think that having some specific loss numbers can help us as we discuss a workable approach for the ROC as it offers a way to discuss some specific thresholds rather than just an abstract approach.

**Caveat:** The attached focuses on winter-run loss in the January-March likely OMR storm flex period; any method for ROC would likely need to start in October and run through June and consider other listed species.

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