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

Sent: Friday, April 12, 2019 11:03 AM

To: Hilts, Derek

Cc: Cathy Marcinkevage - NOAA Federal; Garwin Yip - NOAA Federal; Howard Brown -

NOAA Federal

Subject: Re: ROC on LTO simulation of Keswick Jun, Jul, Aug releases

Attachments: image.png; image.png; image.png

Hi Derek,

This is interesting. I'm wondering what happened in that one Dry year? Looks like it was 2013 which we mark as the start of the drought, so maybe Reclamation really clamped down?

So I think Maria was talking about the restrictions on Keswick releases that occur March - May(RPA I.2.3.B). Are the figures you've provided easy to generate? Could the be done for the months of March - May? I'm curious if the COS was modeled to accordingly. If this request needs to come from higher up, Cathy, Garwin or Howard please chime in.

Thanks, Evan

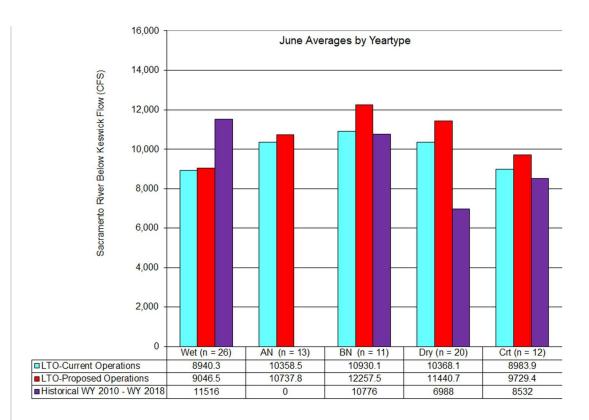
On Fri, Apr 12, 2019 at 10:23 AM Hilts, Derek < derek hilts@fws.gov > wrote:

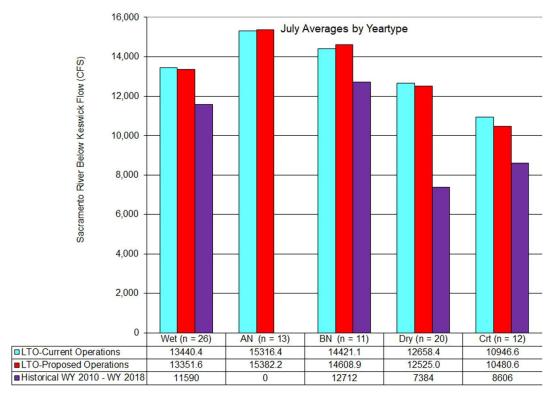
You've probably already looked at this. I looked at it with an eye towards Maria's question of does the COS mimic actual actions (lower Keswick releases) since the 2009 BiOp was promulgated?

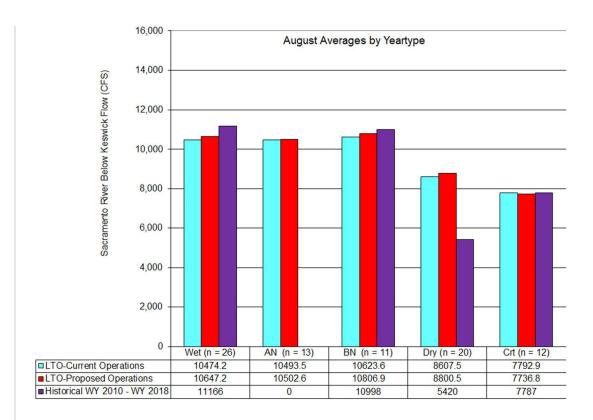
Please use caution interpreting the results as the historical bars have very few years supporting them (zero years in the case of Above Normal).

Derek

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