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**From:** Hilts, Derek <derek\_hilts@fws.gov>  
**Sent:** Thursday, March 14, 2019 7:38 AM  
**To:** Cathy Marcinkevage - NOAA Federal  
**Cc:** Byrne, Barbara; Eric Danner - NOAA Federal; Garwin Yip; Evan Sawyer - NOAA Affiliate  
**Subject:** Re: [EXTERNAL] Re: WYT designations

Hi Cathy,

Your second answer is right on the money. The answer to Eric's first question depends on what he's looking at. Generally the 40-30-30 WYT classification is used, but there are two clarifications/sub points - 1. The Stan didn't operate based on the 40-30-30 in the CWF work. It used its own basin-specific index. In the LTO PA, the index used for Stan operations changed to the 60-20-20 SJ Basin index. 2. The WYT-based charts generated by the consultant/USBR for the LTO runs use the previous water year's classification when computing WYT statistics for Oct, Nov & Dec. In the CWF work, I think the charts also used the previous water year's classification when computing Jan's statistics. I can double check that if it's important.

Derek

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On Wed, Mar 13, 2019 at 3:14 PM Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)> wrote:

Derek, can you answer this question? I think that the answers are

1. yes and
2. not quite. The hydrology is revised to reflect shifts in timing and magnitude of precipitation due to climate change. But it's the same shifts as used for CWF (that is, the 2030 climate condition used here and applied to the historical hydrology is the same as the 2030 climate condition used for CWF and applied to the historical hydrology for that).

But definitely correct me!

Thanks!  
Cathy

On Wed, Mar 13, 2019 at 2:48 PM Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)> wrote:

Hi all,

Noble has been using the water year type designations for the 80 years of the PA and COS that were used for WaterFix.

1. Is it correct to use these?
2. Are they using the same hydrology, just increasing air temperature for the climate change impacts?

Thanks, Eric

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