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To: [Conley, Debbie](#); [Roten, Elizabeth](#); [Vandegrift, Darcie](#)
Cc: [Huting, Joel](#)
Subject: Annual Use Estimates
Date: Wednesday, April 03, 2019 3:44:00 PM
Attachments: [image001.png](#)
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Hey all,

Thanks for your patience on the 2018 parks use estimate process. I just wanted to give you all an update on where we're at, as I know I had mentioned hopefully having parks counts scheduling done by this week – as I think you all surmised, that did not/will not happen; being out last week Thursday and Friday threw a wrench in things.

All that being said, I've finally finished addressing your concerns/observations on the summer numbers as noted [here](#) (if you emailed me with observations/notes/concerns, I added them to the doc and addressed them there) AND I've finished pulling in seasonal multipliers, camping numbers and special events numbers (finalized just this past week!) to give us the annual use estimates we've all been waiting for with bated breath – the [parks annual visitation viz](#) has been updated with these numbers. My ask from you all: **look to see if you notice any anomalies in 2018 raw counts when compared to past years.**

Because expanded totals also depend on multipliers, the distribution of raw counts is the most important – if these data look real, then expanded totals are what they are.

I have burned out my retinas triple- and quadrupling-checking every aspect of these estimates, and though there are some weekday outliers and outliers at low-usage entrance-timeslots, these data look reasonable to me – meaning I don't think we should impute and wipe out real data. I and my retinas would personally appreciate all of your eyes' check on this as well.

Joel/Liz: code for the use estimate creation is [here](#). The Rmd you'll most be interested in is '2018 Use Estimate Creation'. It's a little bit of a mess at the end when I was exploring around, but I think it's been commented pretty thoroughly (I [think](#)). I haven't updated the README recently and the conversion Rmd contains code that only needed to be executed one time.

Thanks **everybody**!!



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