

**From:** [Rabbe, Matt](#)  
**To:** [Jim Jenniges](#)  
**Cc:** [Runge, Jeff](#); [Porath, Mark T](#)  
**Subject:** USFWS public sighting database through Spring 21 and a few publications that may be pertinent  
**Date:** Thursday, January 6, 2022 3:58:32 PM  
**Attachments:** [Central flyway WC sightings through Spring 2021 2.cpg](#)  
[Central flyway WC sightings through Spring 2021 2.dbf](#)  
[Central flyway WC sightings through Spring 2021 2.pri](#)  
[Central flyway WC sightings through Spring 2021 2.sbn](#)  
[Central flyway WC sightings through Spring 2021 2.sbx](#)  
[Central flyway WC sightings through Spring 2021 2.shp](#)  
[Central flyway WC sightings through Spring 2021 2.shp.xml](#)  
[Central flyway WC sightings through Spring 2021 2.shx](#)  
[Caven et al 2020 trends in WC group sizes.pdf](#)  
[Pearse et al 2020 Heterogeneity in migration strategies of WCs.pdf](#)

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Not sure if the publications will add anything but providing FYI.

Please distribute to anyone at NPPD that needs this. The data user agreement I have with NPPD should be shared with anyone using the data.

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