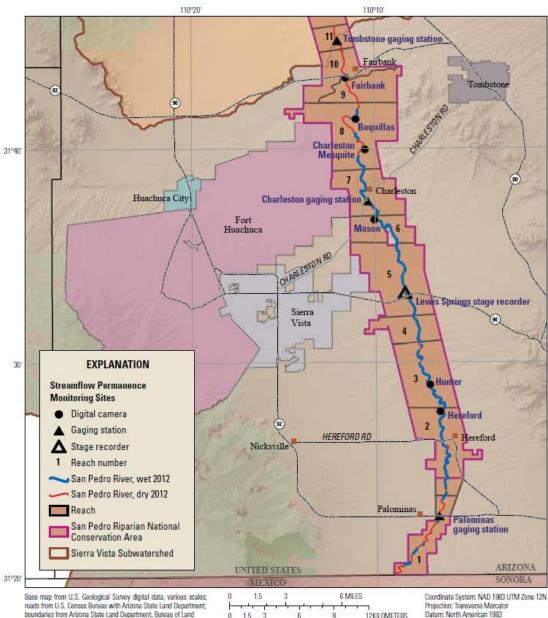
## Streamflow Permanence Monitoring For June 2019 Meeting, USPP Tech Comm

Data sources:

- Game cameras to look for presence or absence of water along the San Pedro River, cameras run by USDA-ARS Tombstone office since mid-2006. Data available upon request.
- Stream gauge data from USGS website, daily average flow from Charleston Gauge (data since April 2019 flow data is provisional)
- Rain gage data for Coronado NM and Y Lightning at <u>http://drought.rcc-acis.org/</u>. Sierra Vista average from ARS gages 423-426, Tombstone data from ARS gage 81.

Presenter: Russ Scott, Research Hydrologist, USDA-ARS, Tucson, AZ. russ.scott@ars.usda.gov





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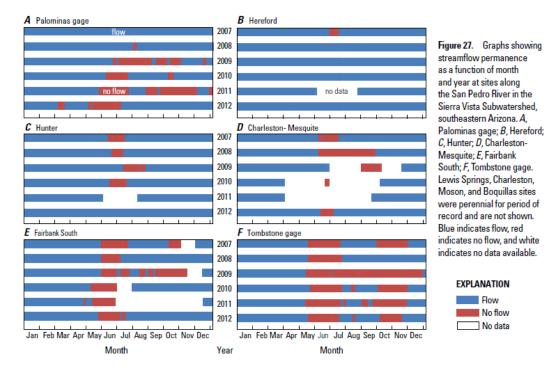
Management, Salt River Project, and U.S. Geological Survey.

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Units: Meter



## EXPLANATION

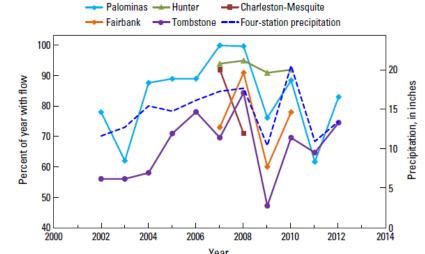
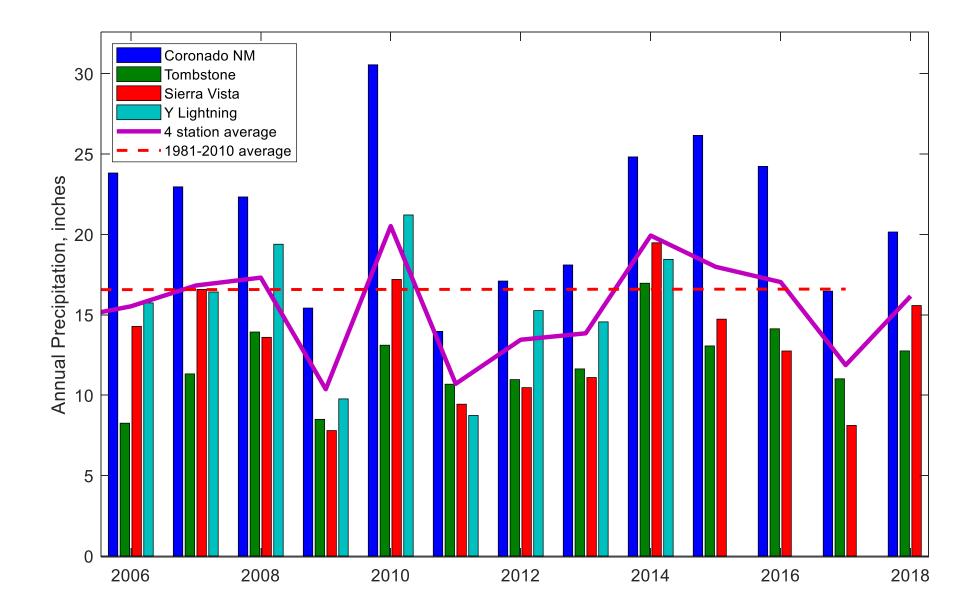
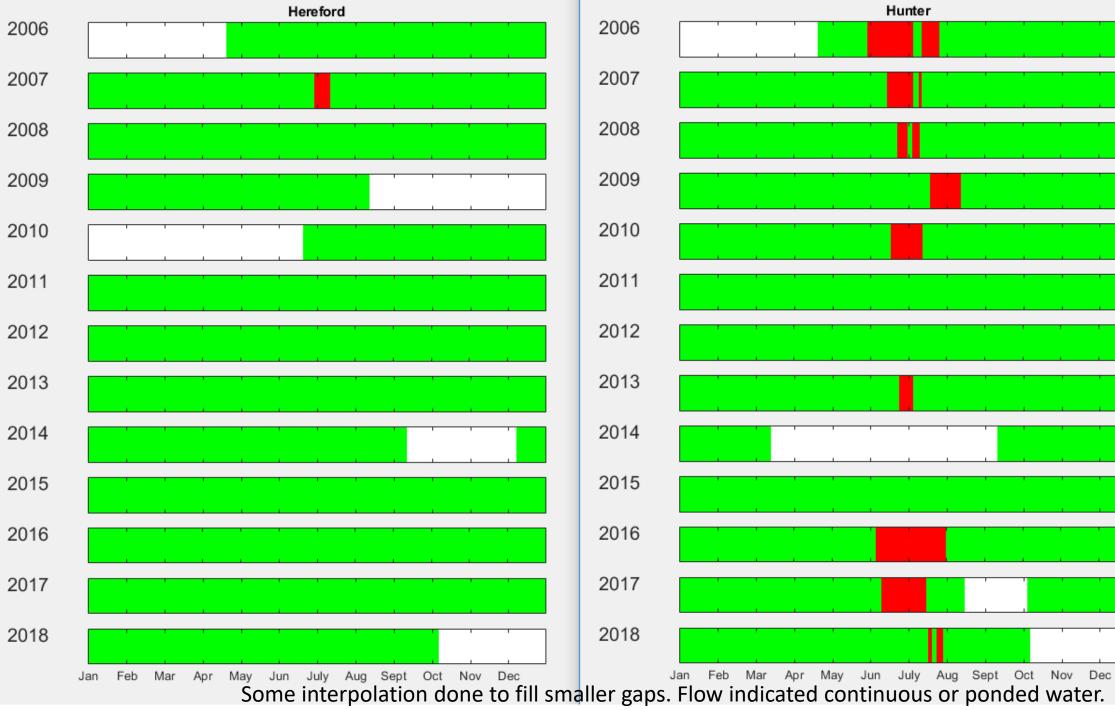
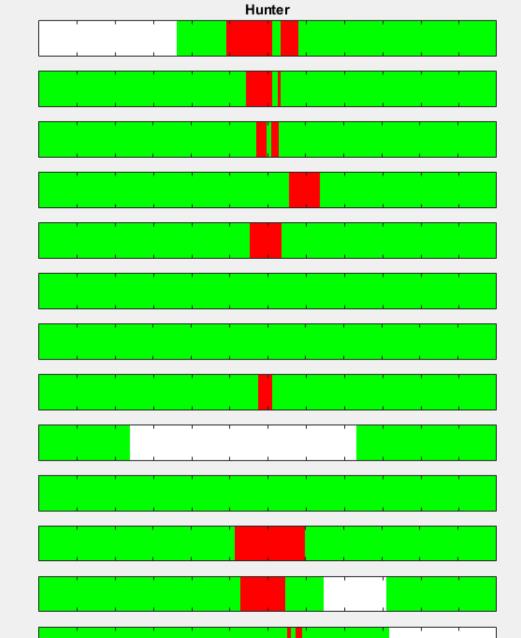


Figure 28. Graph showing San Pedro River annual streamflow permanence and annual precipitation (mean of four National **Climate Data Center** precipitation gaging stations) for 2002-12, in the Sierra Vista Subwatershed. southeastern Arizona. Stations with 100-percent flow permanence are not shown (Hereford, Hunter, Lewis Springs, Moson, Charleston, Boguillas).



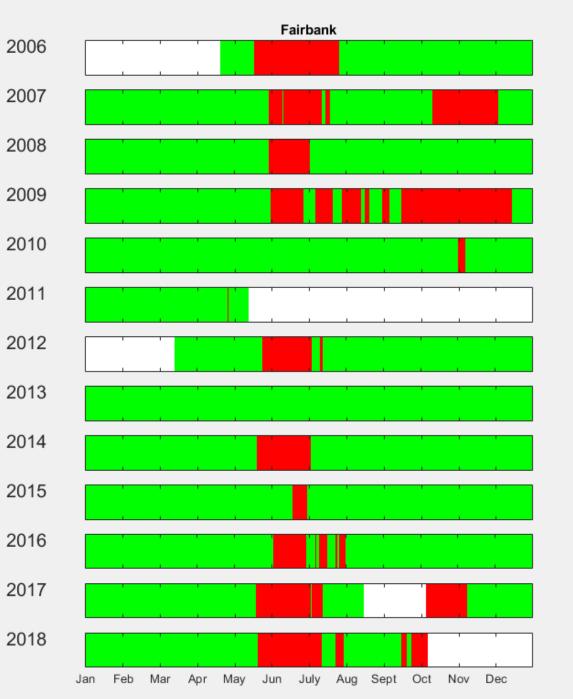




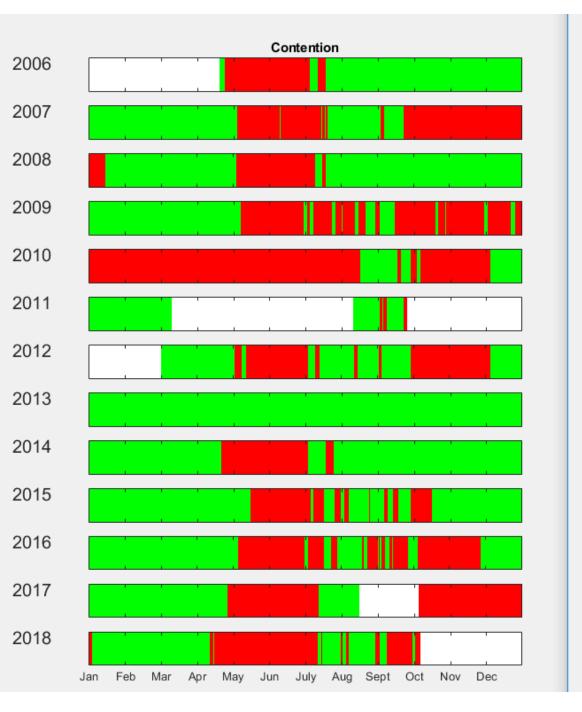


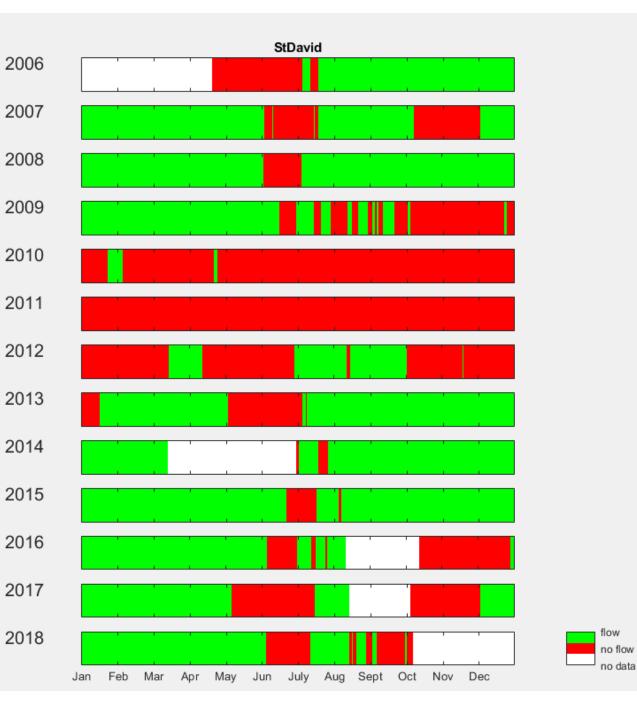


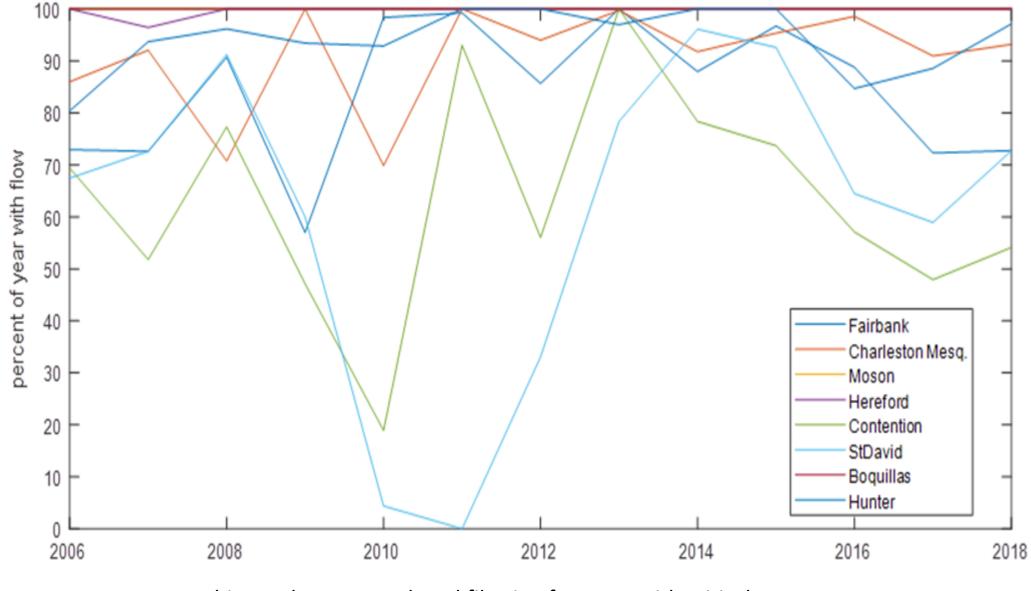






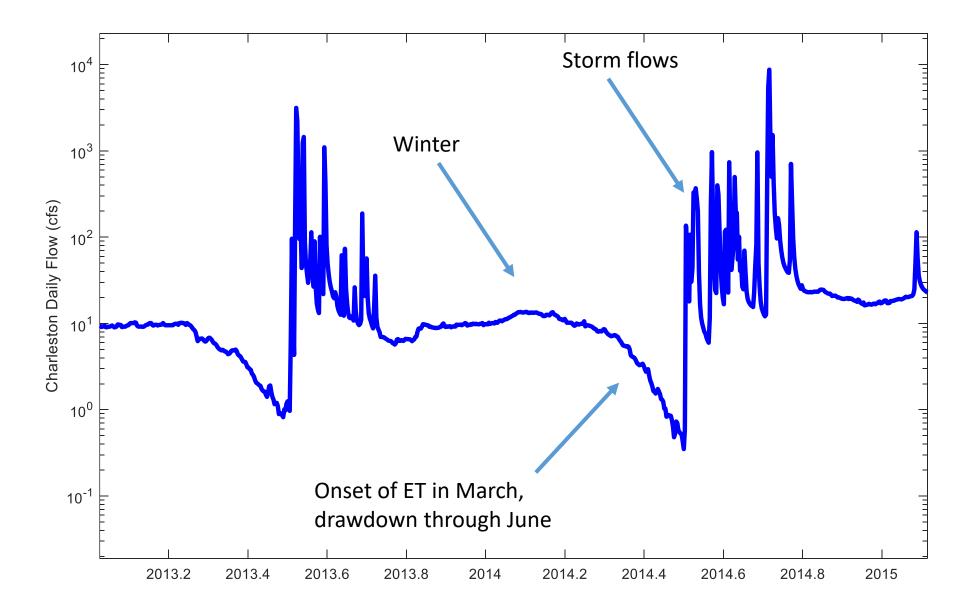


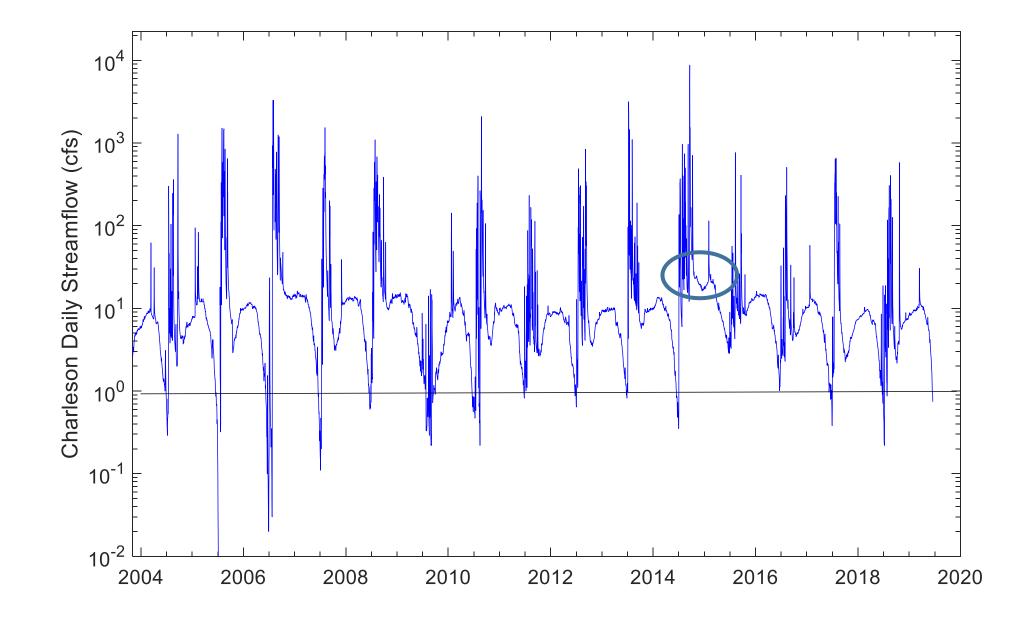


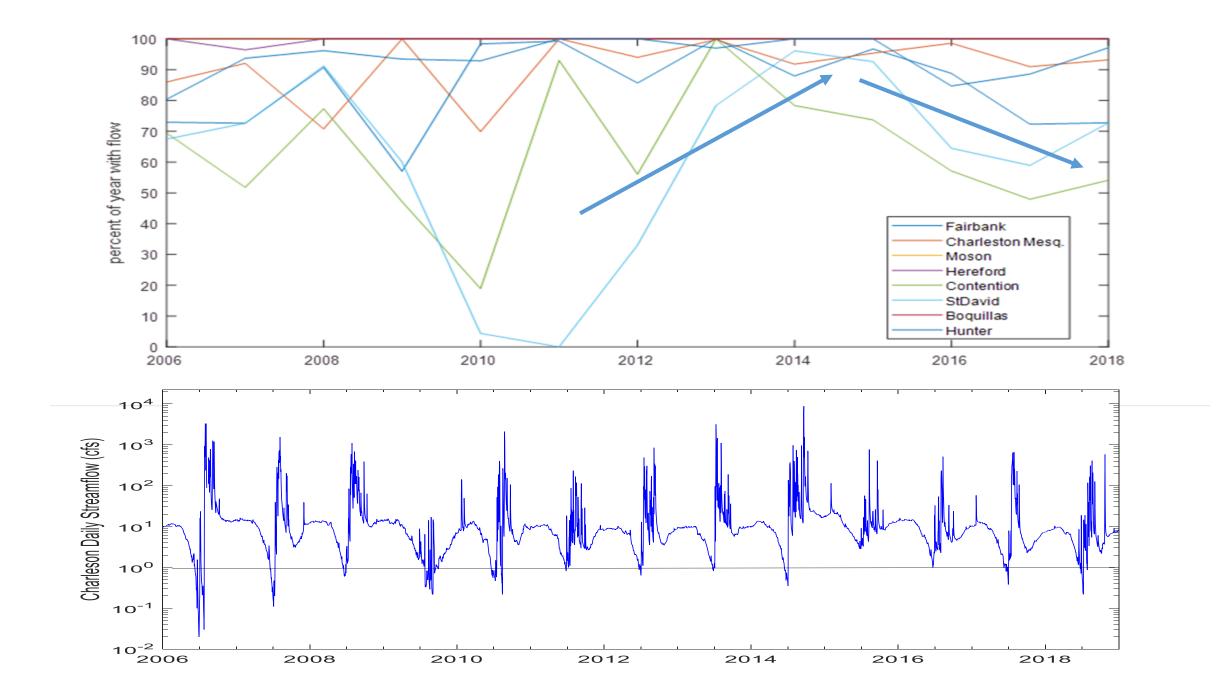


This needs some work and filtering for years with critical gaps

## Seasonality of San Pedro Streamflow







- 1. Are these data valuable? How so?
- 2. If we continue, can we reduce the number of stations?

## Quick Low Flow Update

