



Llano Estacado Regional Water Planning Group

Draft Non-Municipal
Demand
Projections for
2021 Region O Plan

August 22, 2017

Schedule

- September 2016
 - New municipal WUG definitions presented
- Fall 2016 – TWDB finalized list of municipal WUGs
- January 2017 – TWDB released draft municipal population and water demand projections
- March 2017 – TWDB released draft non-municipal water demand projections
- Today
 - Review draft projections – municipal and non-municipal water demands
 - Approve and begin process for soliciting revision requests



Overview

- TWDB recently released non-municipal water demands on county level
 - Manufacturing
 - Mining
 - Steam-Electric
 - Livestock
 - Irrigation
- Compare 2021 DRAFT demands to 2017 State Water Plan
- Request that TWDB revise draft demands?
 - Revision deadline - January 12, 2018
 - “Although regions and their consultants are strongly encouraged to communicate with the TWDB staff and submit change requests and supporting documentation earlier to allow time for evaluation.”

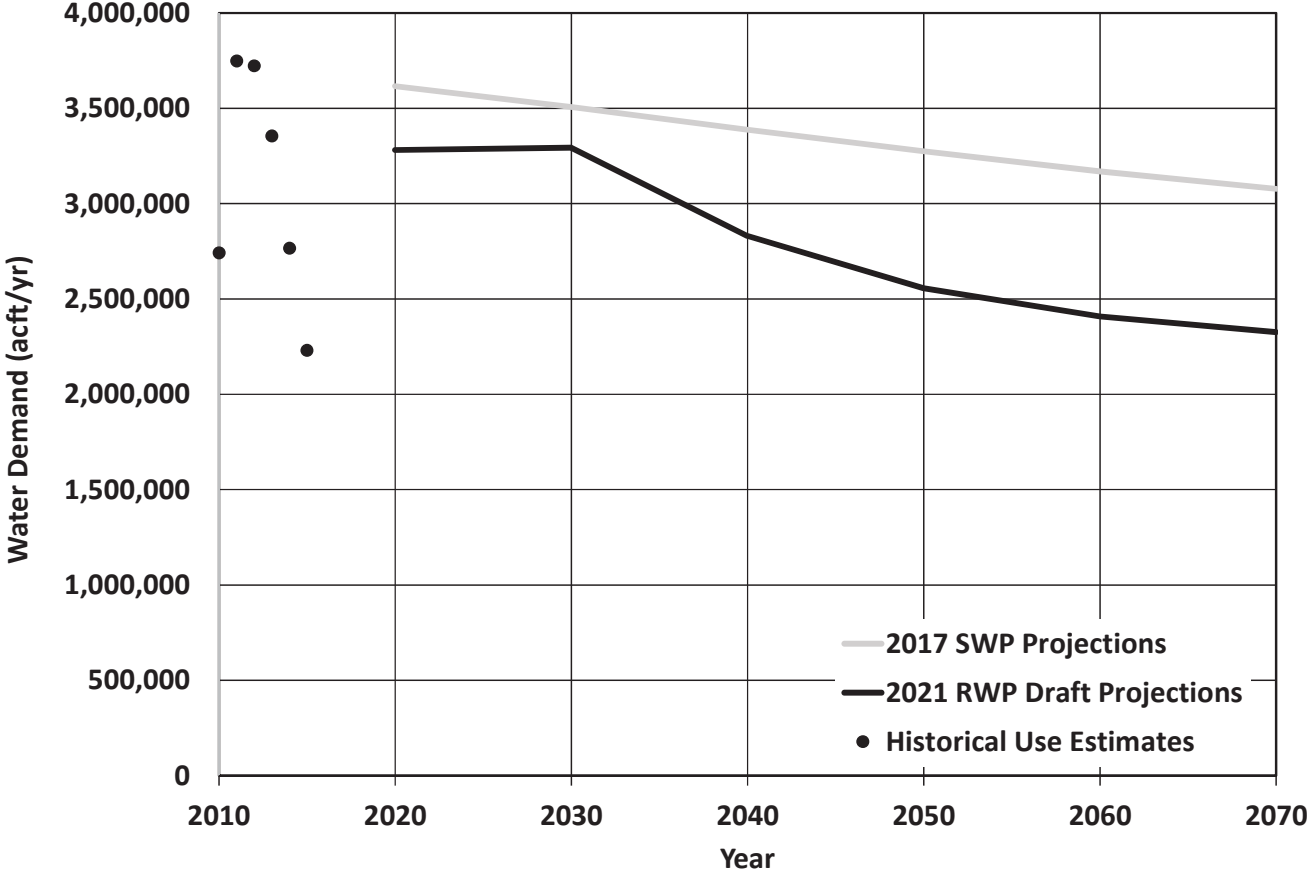
Differences?

- Draft 2021 RWP projections begin lower than 2017 SWP projections
 - Irrigation - Constant through 2030, then decreasing demands
- Between 2017 and 2021:
 - Irrigation, livestock, manufacturing, steam-electric decreases
 - Mining – No change from 2017

SWP = State Water Plan
RWP = Regional Water Plan



Non-Municipal Demands – Region Total

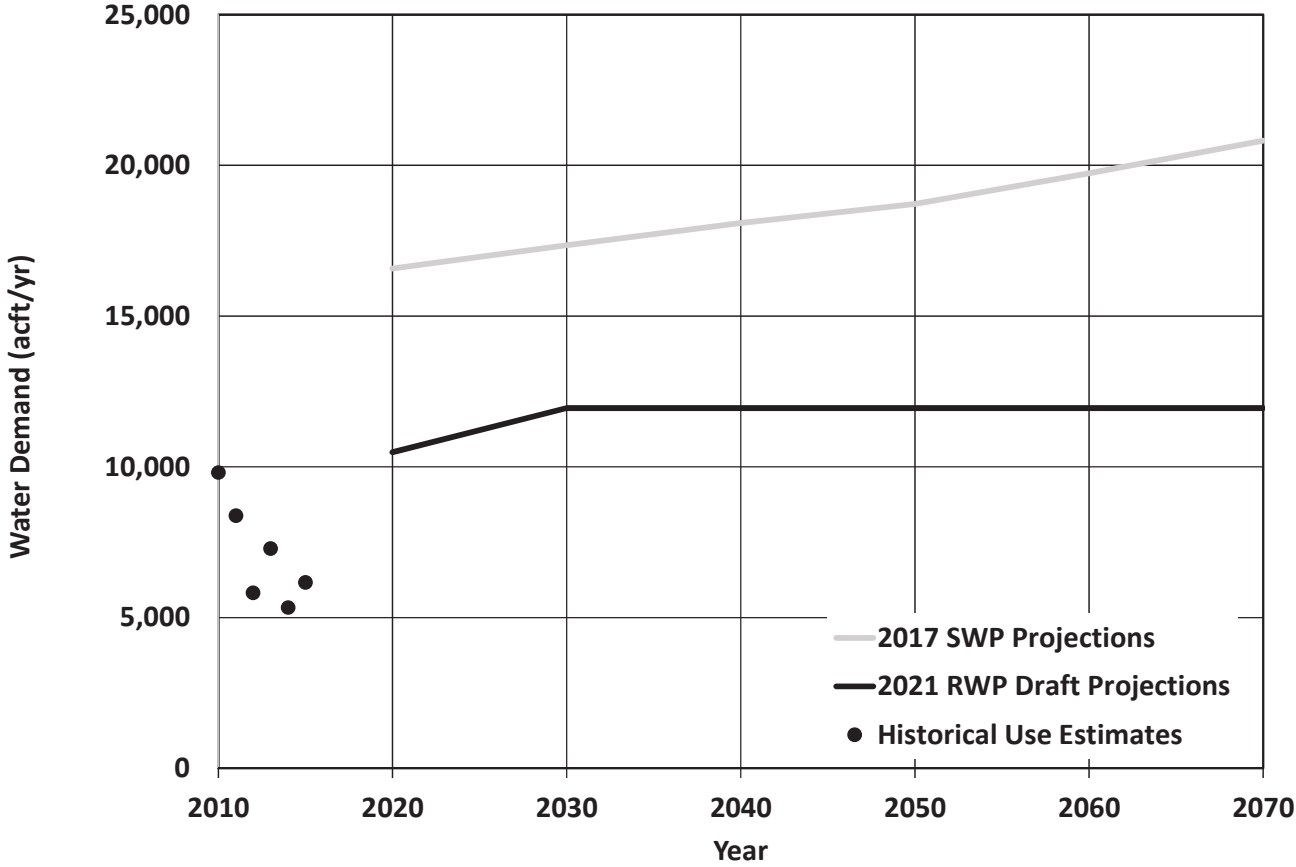


Manufacturing Water Demands

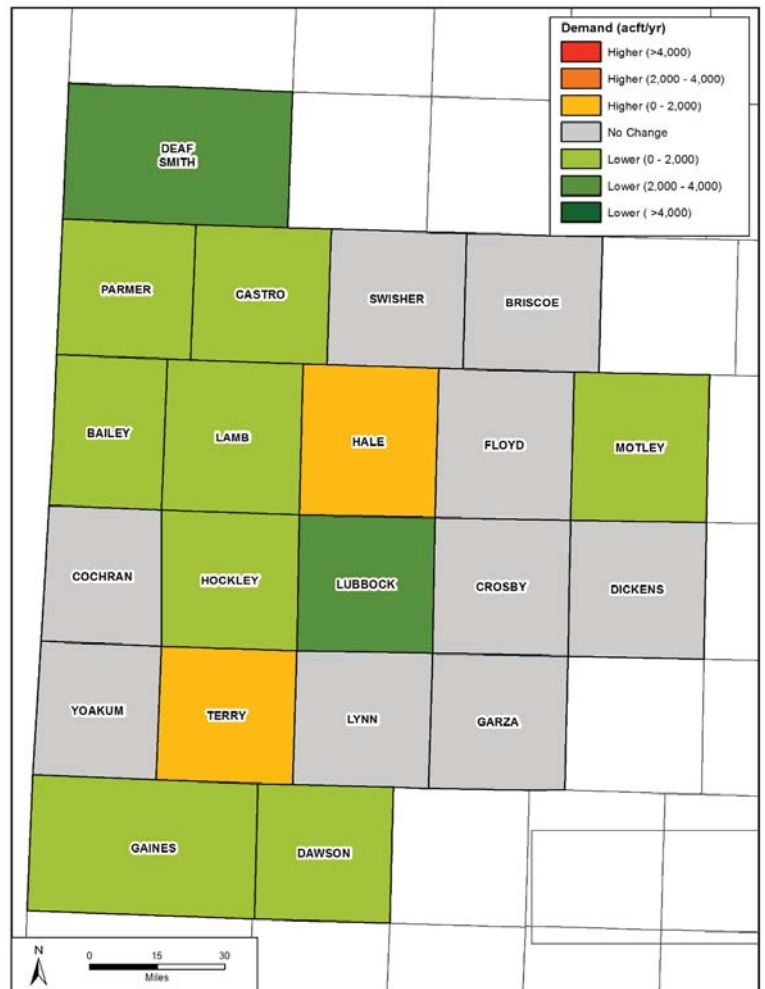
- 2070: 20,822 to 11,949 acft/yr
- Deaf Smith County – 3,331 acft/yr decrease in 2070
- Hale County – 1,566 acft/yr increase in 2070



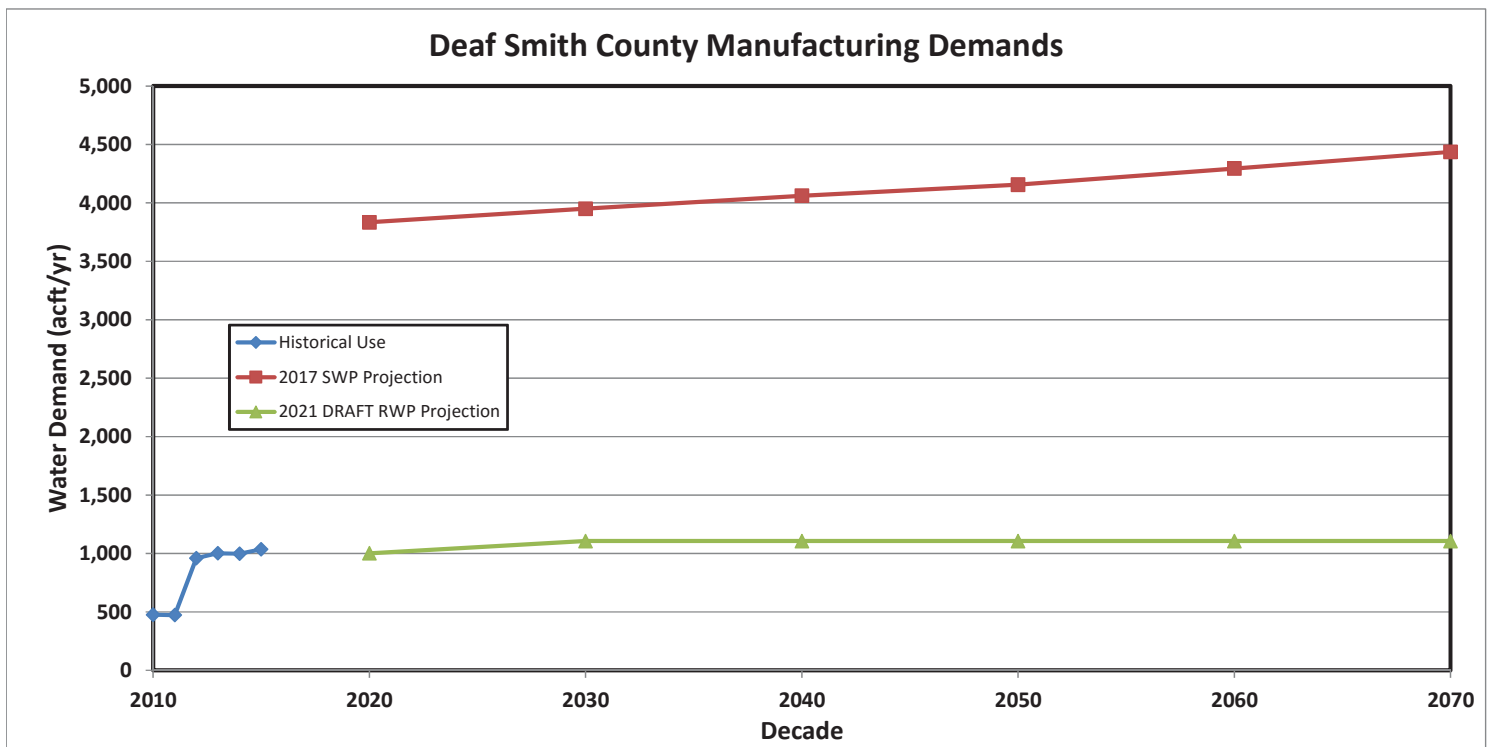
Region Total Manufacturing Water Demands



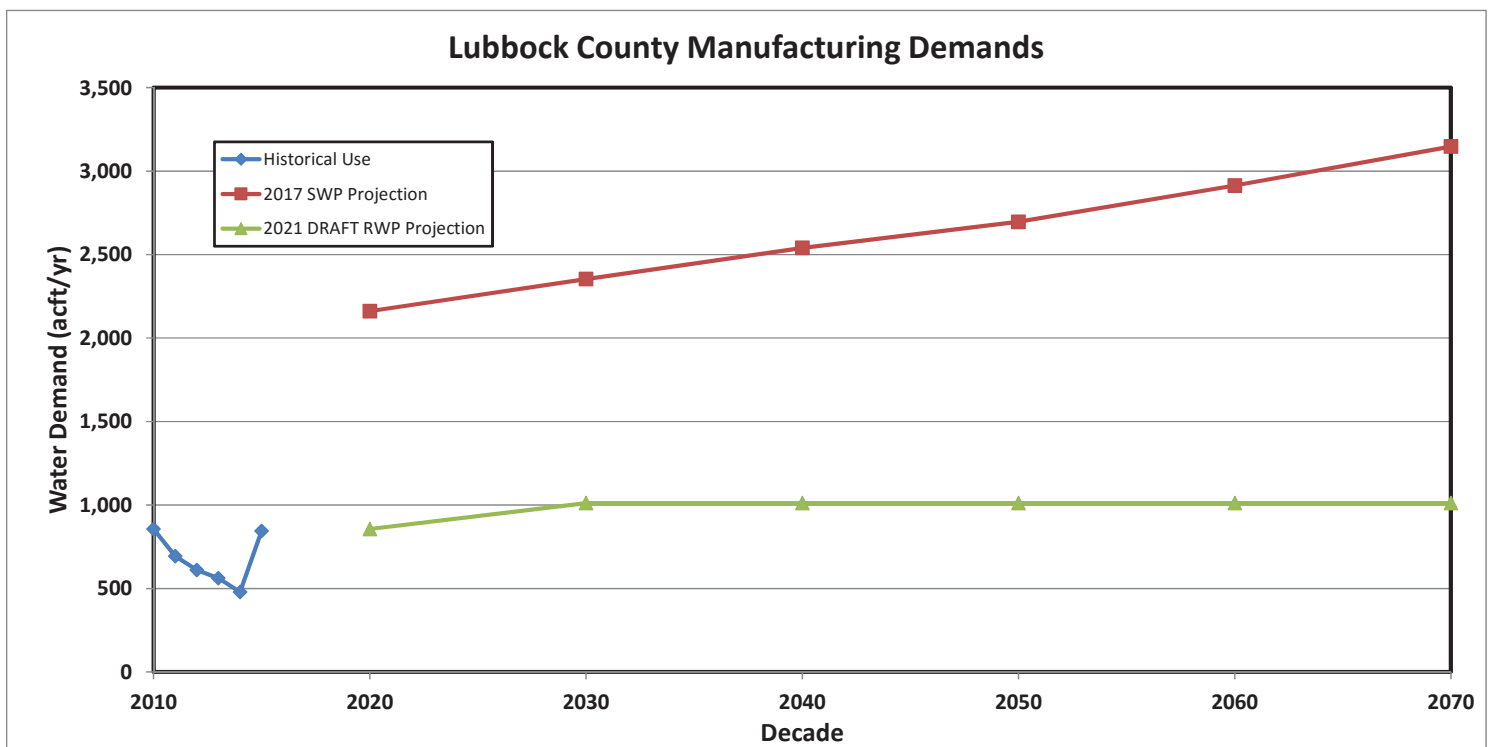
Changes in Manufacturing Water Demands (Year 2070)



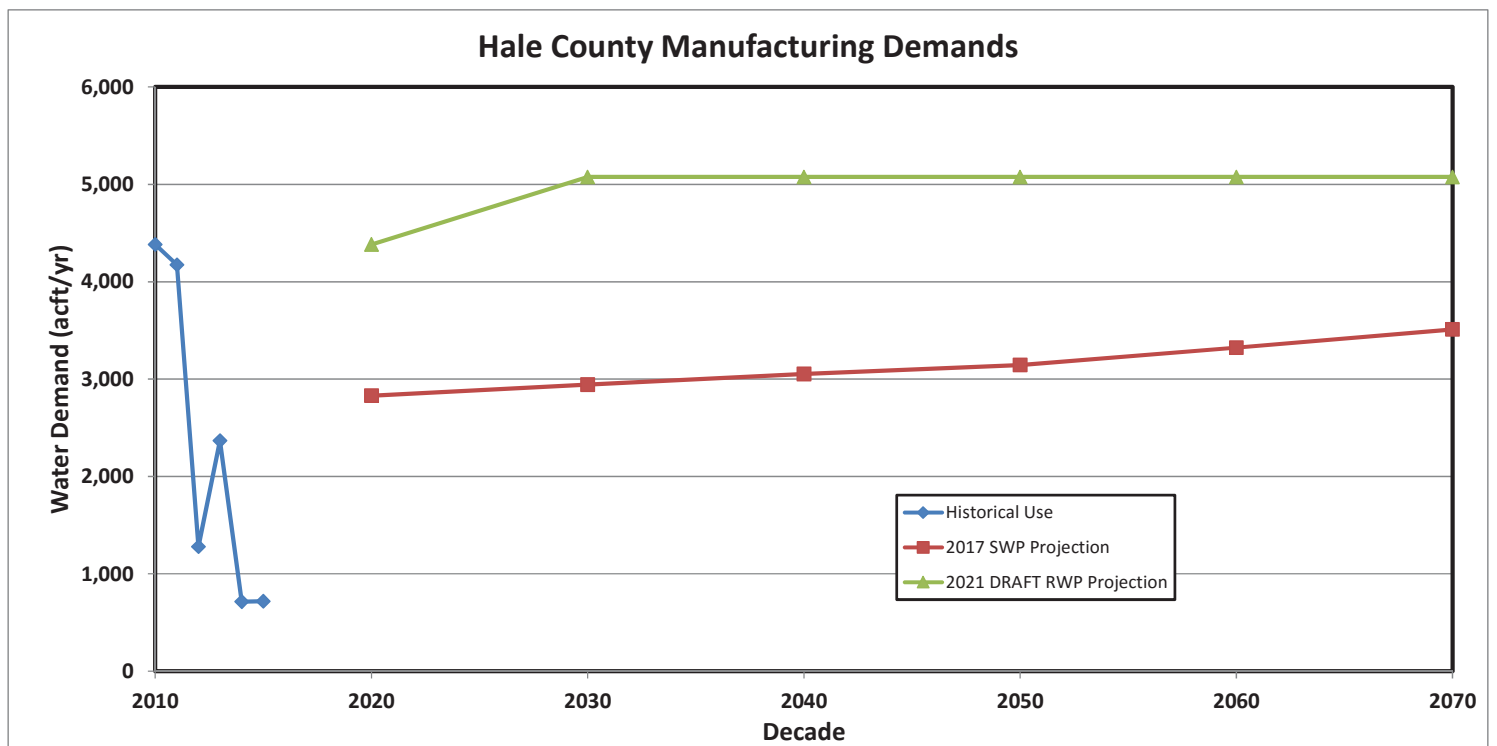
Counties with Significant Changes in Manufacturing Demands



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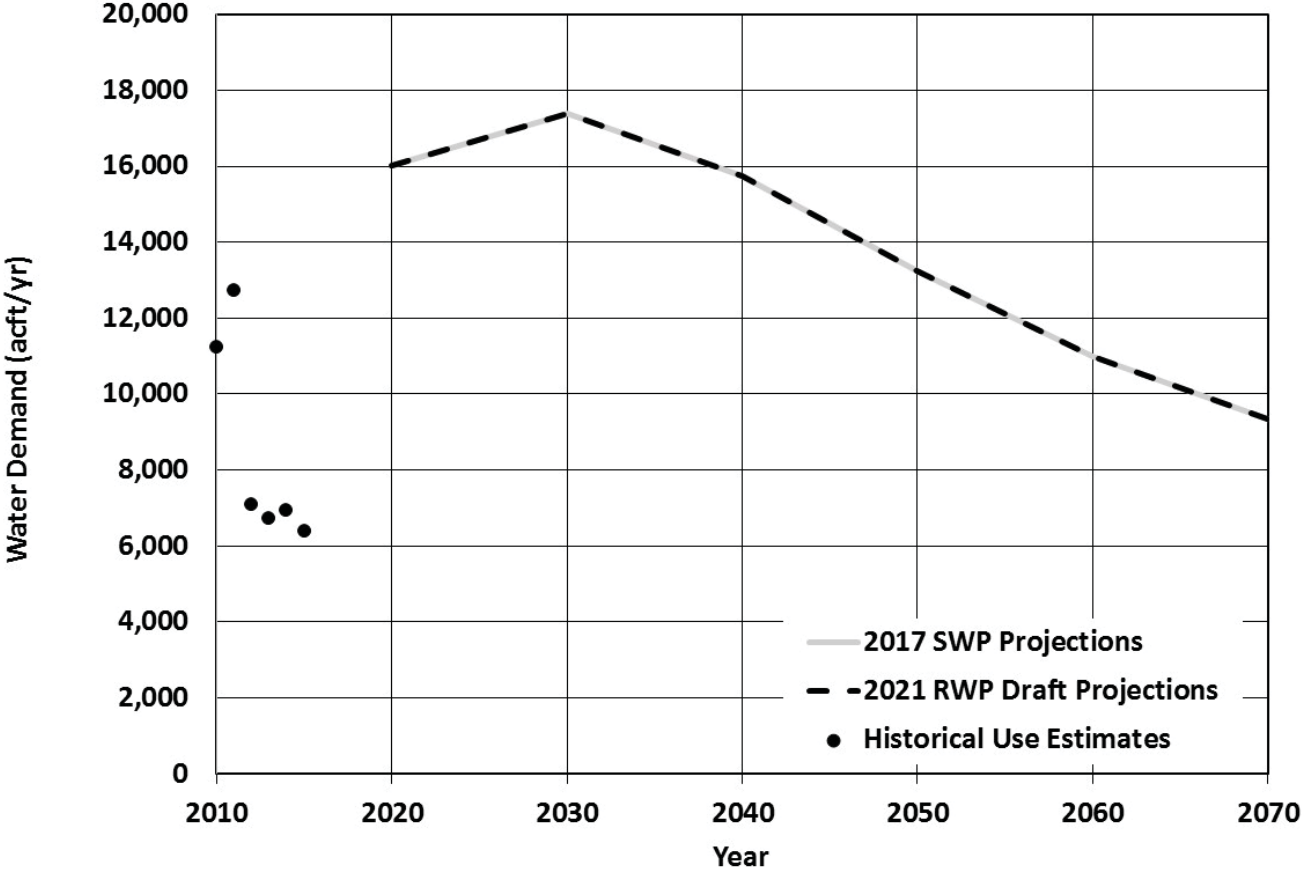


Mining Water Demands

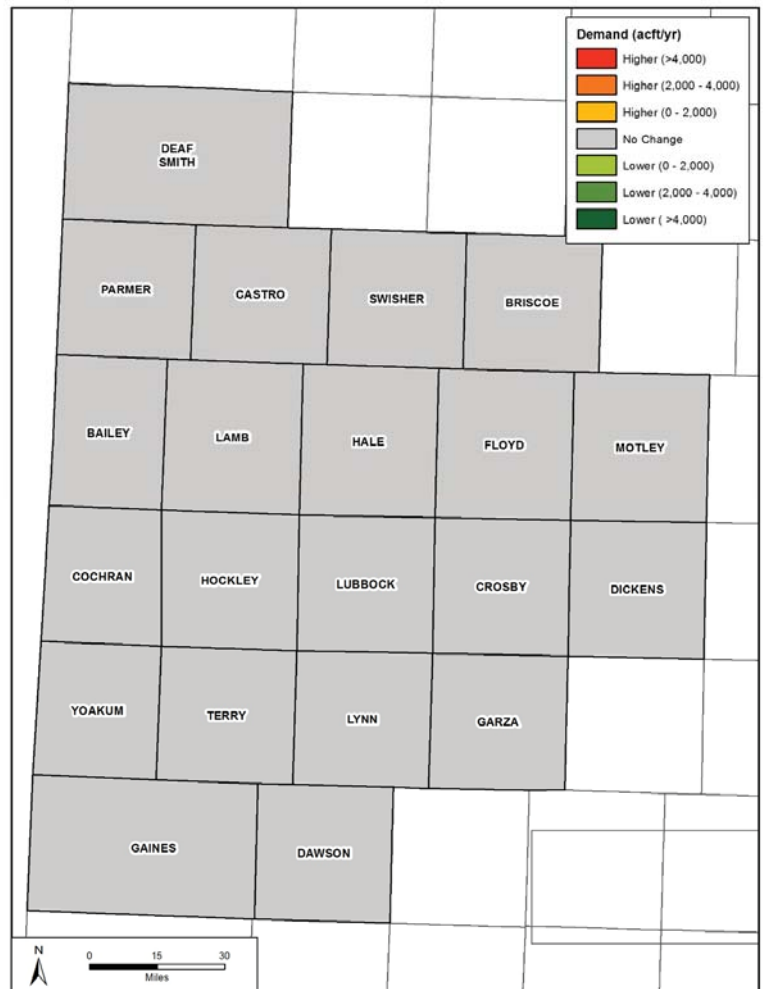
- 9,333 acft/yr in 2070
- No change from 2017 SWP to 2021 RWP draft projections



Region Total Mining Water Demands



Changes in Mining Water Demands (Year 2070)



Mining Demands – Largest Demand

