



Evaluation of the Capacity for Water Recycling for Colorado Oil and Gas Extraction Operations

Appendix A. County Plots

Total Produced Water Volumes and HF Water Consumption

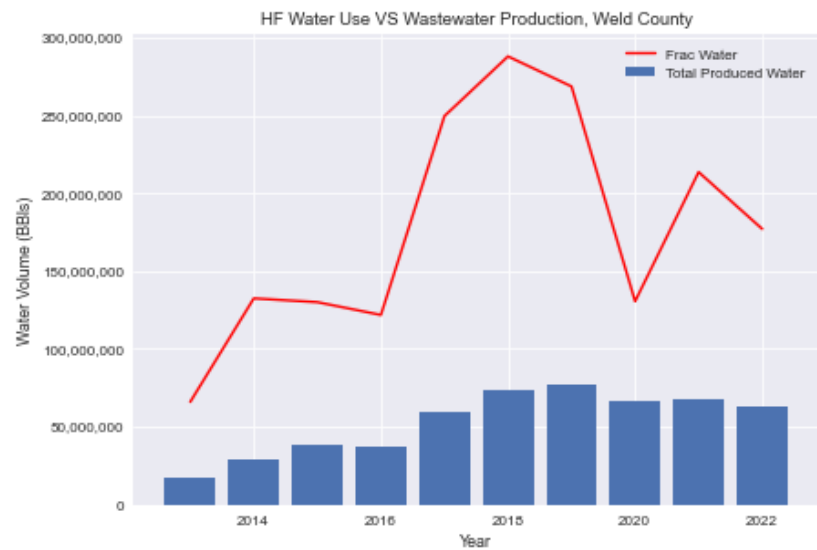


Figure 1A. Water volumes used for HF and Total Produced Water Volumes, Weld County.

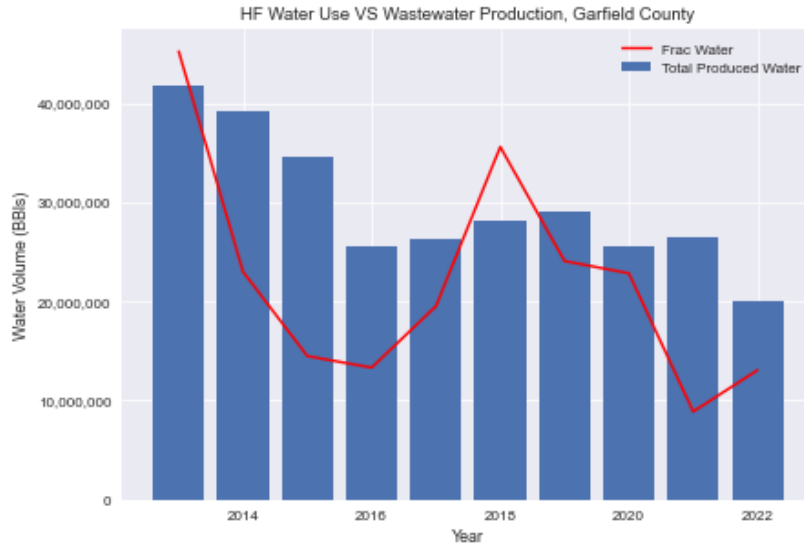


Figure 2A. Water volumes used for HF and Total Produced Water Volumes, Garfield County.

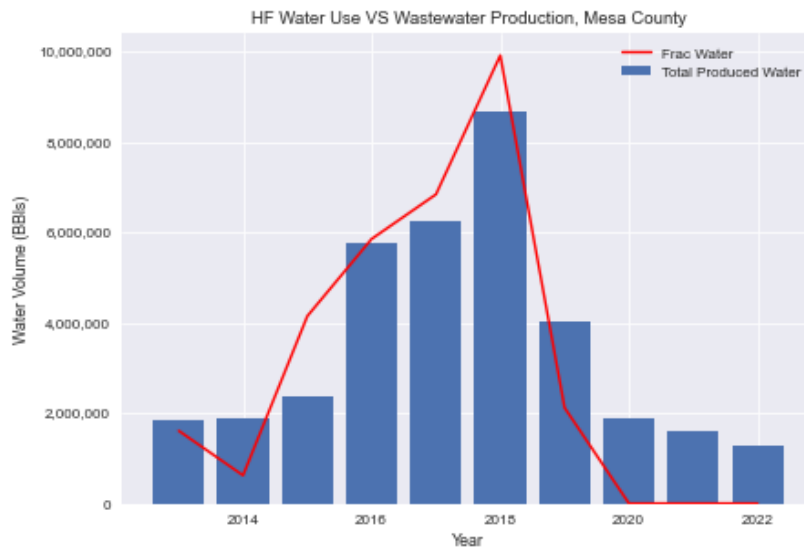


Figure 3A. Water volumes used for HF and Total Produced Water Volumes, Mesa County.

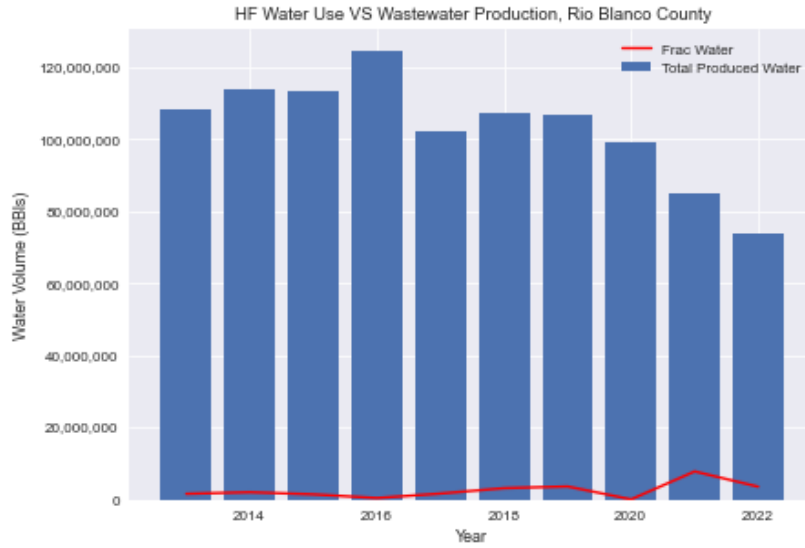


Figure 4A. Water volumes used for HF and Total Produced Water Volumes, Rio Blanco County.

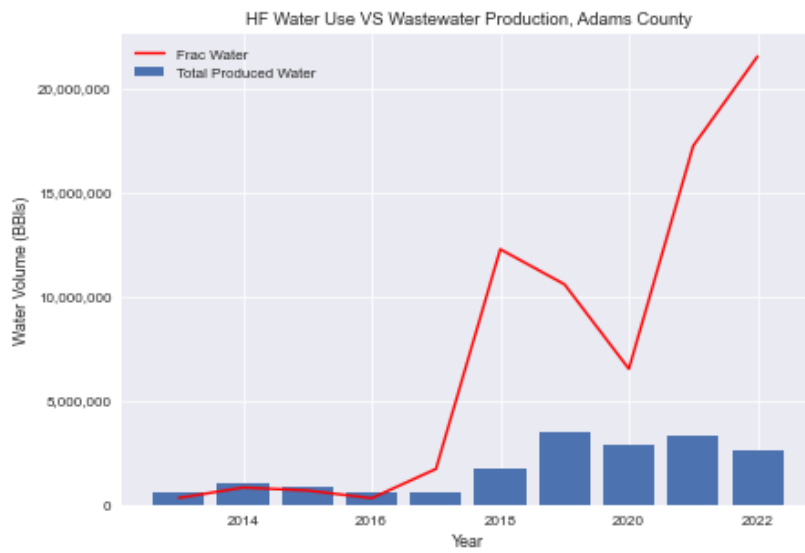


Figure 5A. Water volumes used for HF and Total Produced Water Volumes, Adams County.

Wastewater Production from HF Wells and Water Consumption

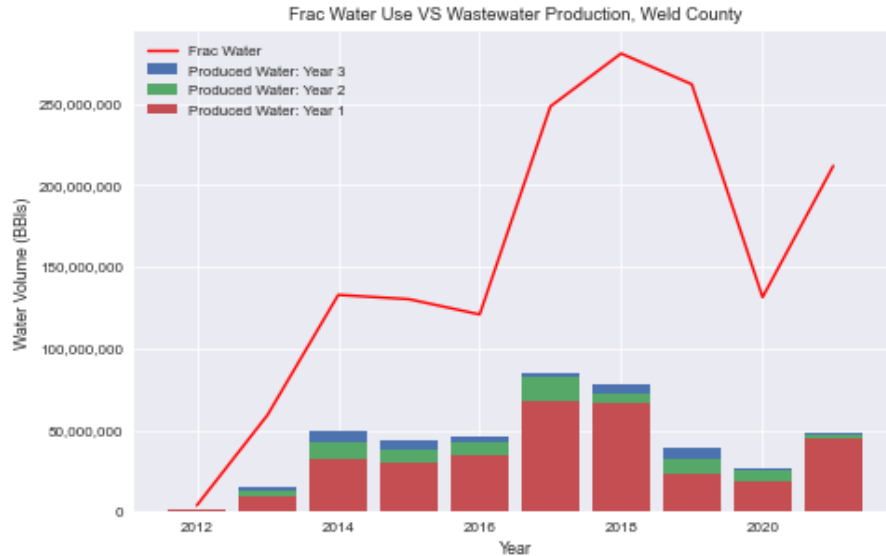


Figure 6A. Wastewater Production from HF Wells, Weld County. The plot shows the volumes of wastewater produced from wells during the first second and third years after a well undergoes HF completion.

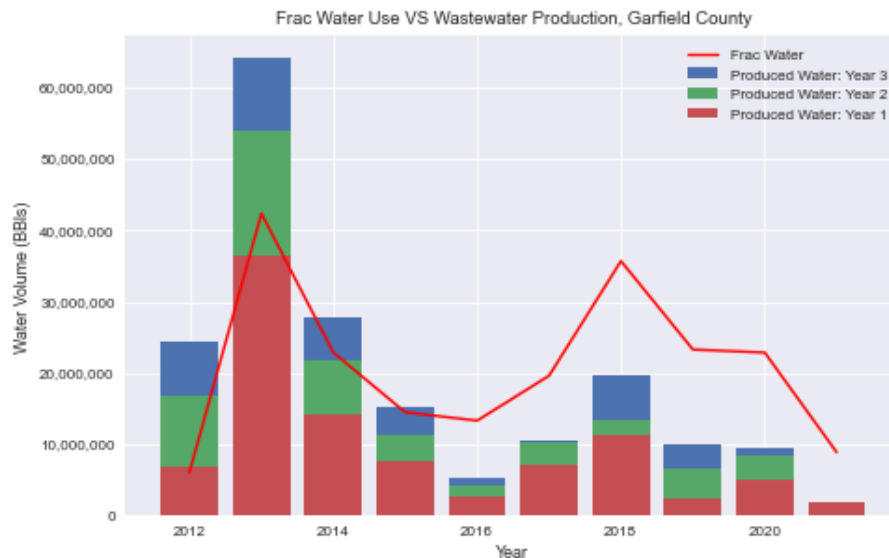


Figure 7a. Wastewater Production from HF Wells, Garfield County. The plot shows the volumes of wastewater produced from wells during the first second and third years after a well undergoes HF completion.

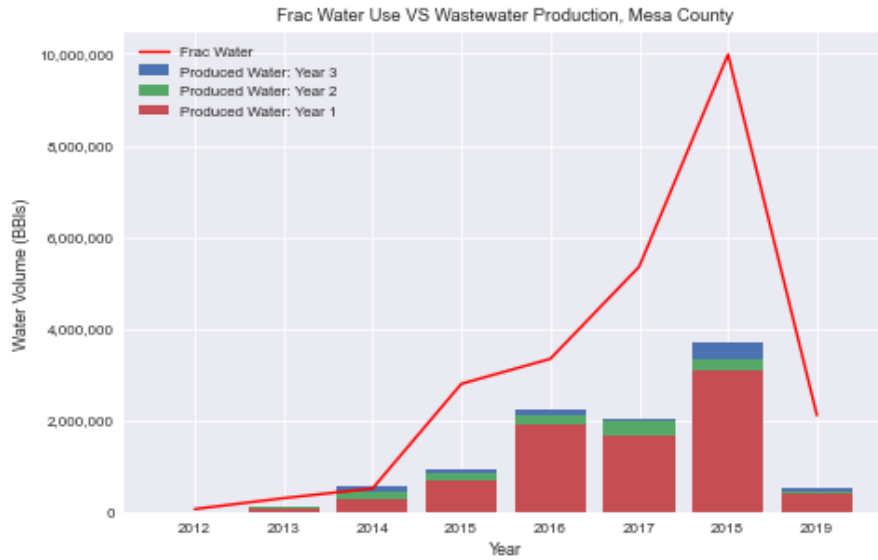


Figure 8A. Wastewater Production from HF Wells, Mesa County. The plot shows the volumes of wastewater produced from wells during the first second and third years after a well undergoes HF completion.

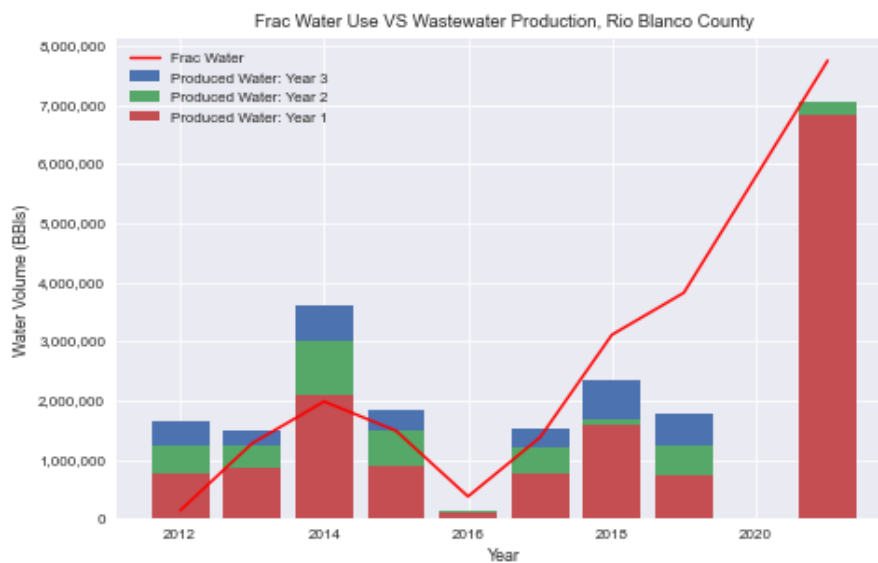


Figure 9A. Wastewater Production from HF Wells, Rio Blanco County. The plot shows the volumes of wastewater produced from wells during the first second and third years after a well undergoes HF completion.

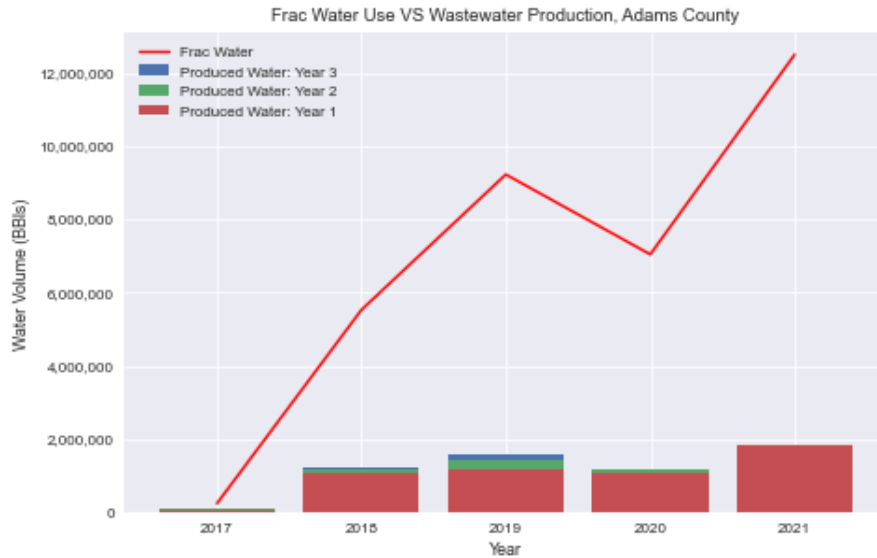


Figure 10A. Wastewater Production from HF Wells, Adams County. The plot shows the volumes of wastewater produced from wells during the first second and third years after a well undergoes HF completion.

Oil Production from HF Wells and Water Consumption

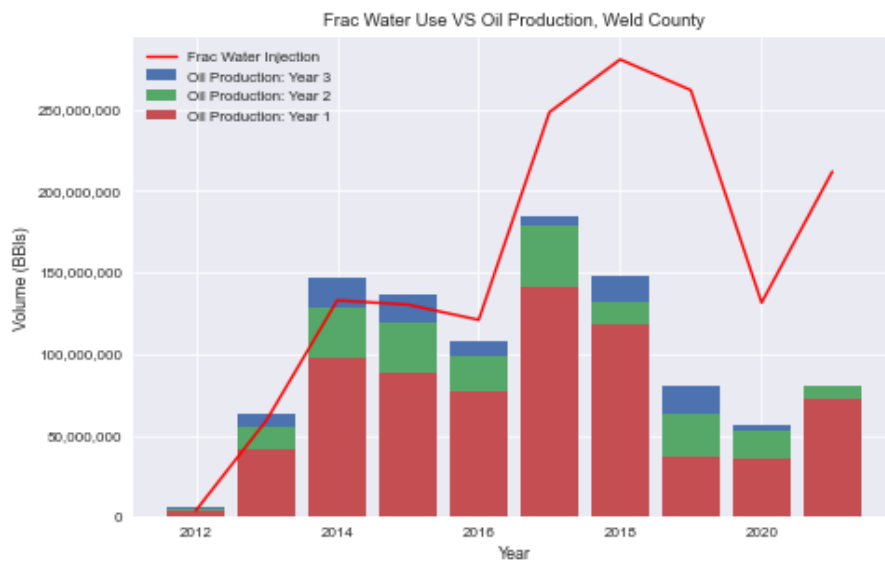


Figure 11A. Oil Production and HF Water Consumption, Weld County. The plot shows annual volumes of water consumption for HF completions and oil production volumes from the same wells consuming water for HF completions.

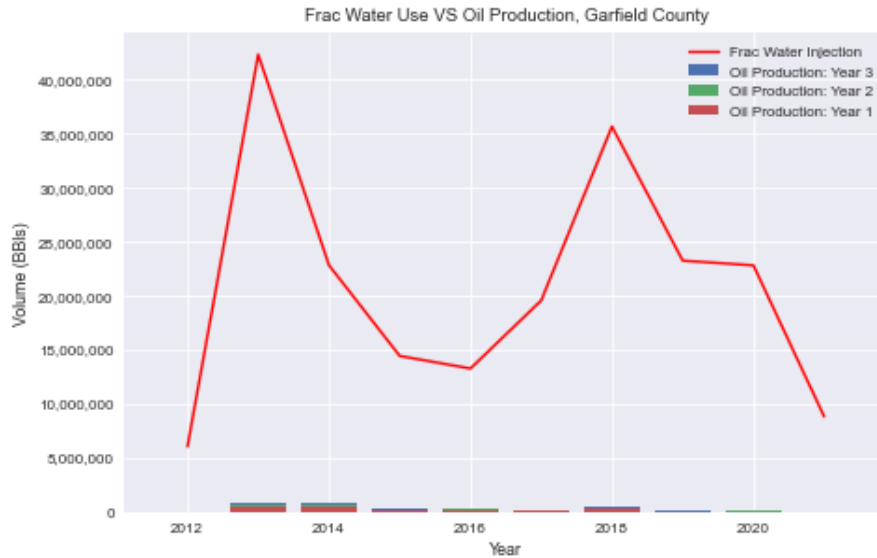


Figure 12A. Oil Production and HF Water Consumption, Garfield County. The plot shows annual volumes of water consumption for HF completions and oil production volumes from the same wells consuming water for HF completions.

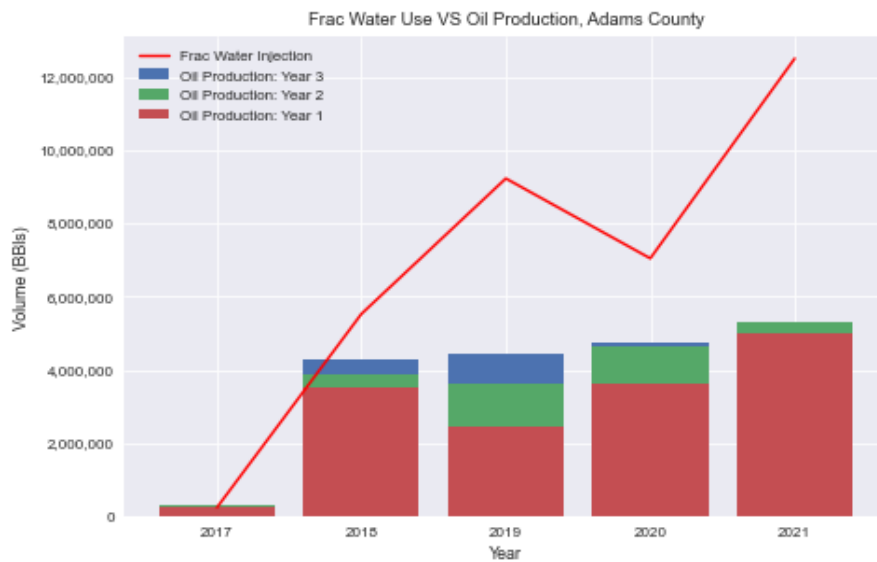


Figure 13A. Oil Production and HF Water Consumption, Adams County. The plot shows annual volumes of water consumption for HF completions and oil production volumes from the same wells consuming water for HF completions.

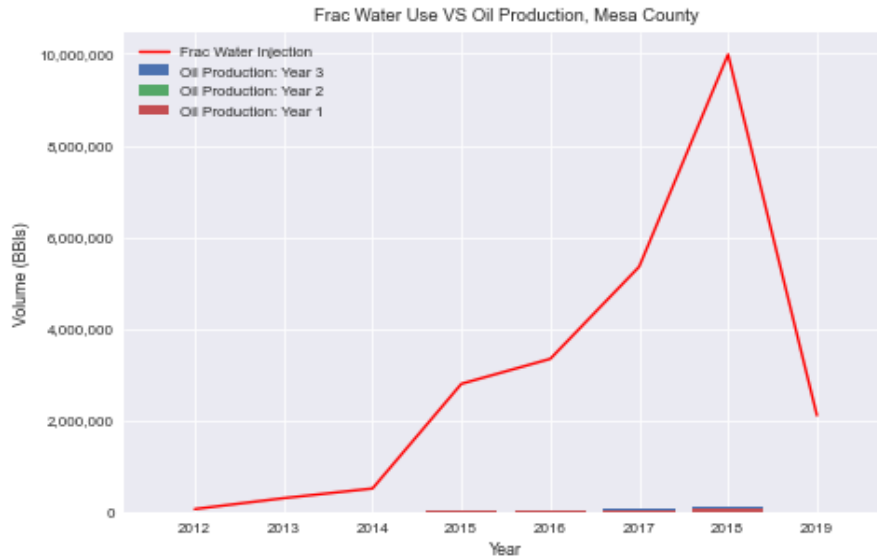


Figure 14A. Oil Production and HF Water Consumption, Mesa County. The plot shows annual volumes of water consumption for HF completions and oil production volumes from the same wells consuming water for HF completions.

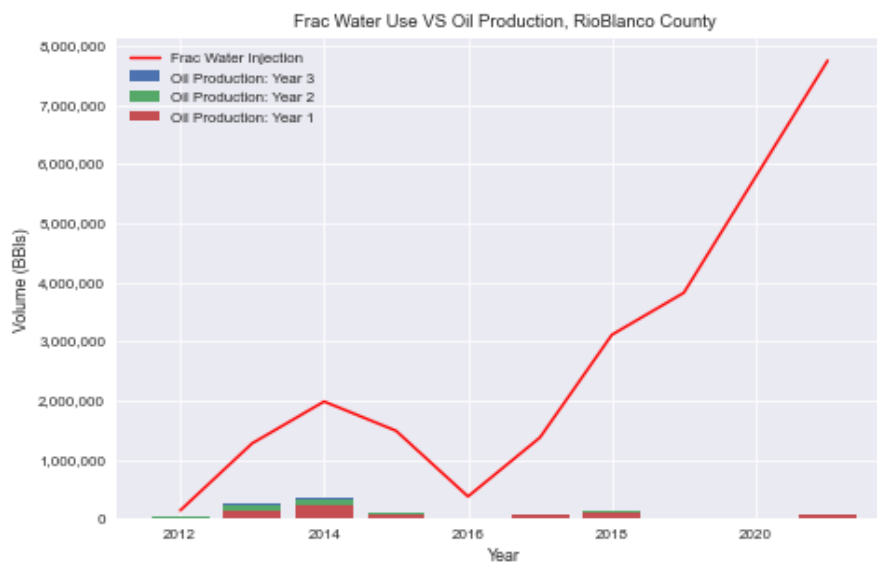


Figure 15A. Oil Production and HF Water Consumption, Rio Blanco County. The plot shows annual volumes of water consumption for HF completions and oil production volumes from the same wells consuming water for HF completions.