



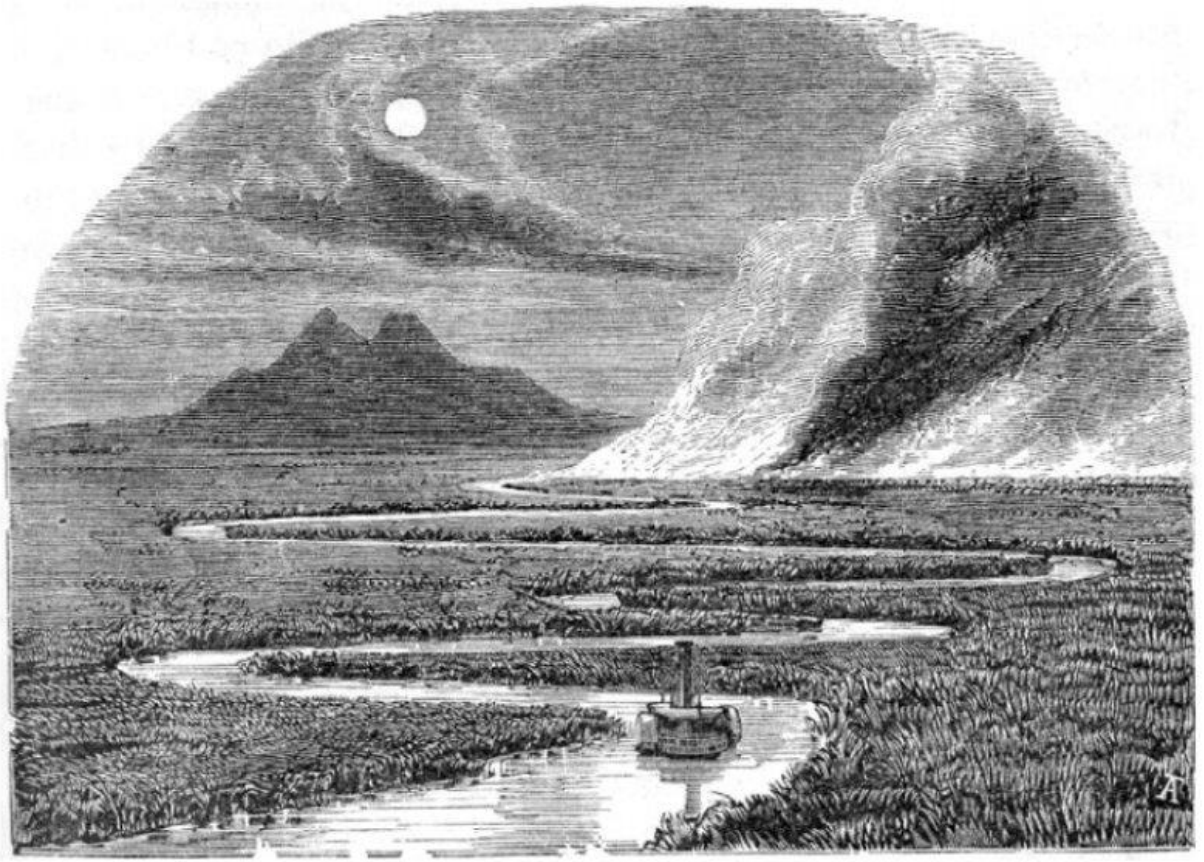


Figure 4.15. Meanders of the San Joaquin are seen in this engraving titled "Night scene on the San Joaquin River – Monte Diablo in the distance" (Hutchings 1862). Rather monotonous vegetation and a lack of large trees along the river is notable, in stark contrast to the tall overhanging boughs that snagged the sails of boats on the Sacramento. Also of interest is a fire in the tules in the distance. (Hutchings 1862)








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- Senior Environmental Scientist:
  - Land Stewardship, Climate Change Programs
  - Carbon sequestration specialist

DWR Motivation

- Pilot to **inform program development**
- **Adaptive management**: improve ecosystem productivity
- Reintroduce cultural fire, step toward **tribal co-stewardship**
- **Climate benefits**: accelerate growth, increase CO_2 uptake and subsidence reversal
- **Risk reduction**: Reduce wildfire risk

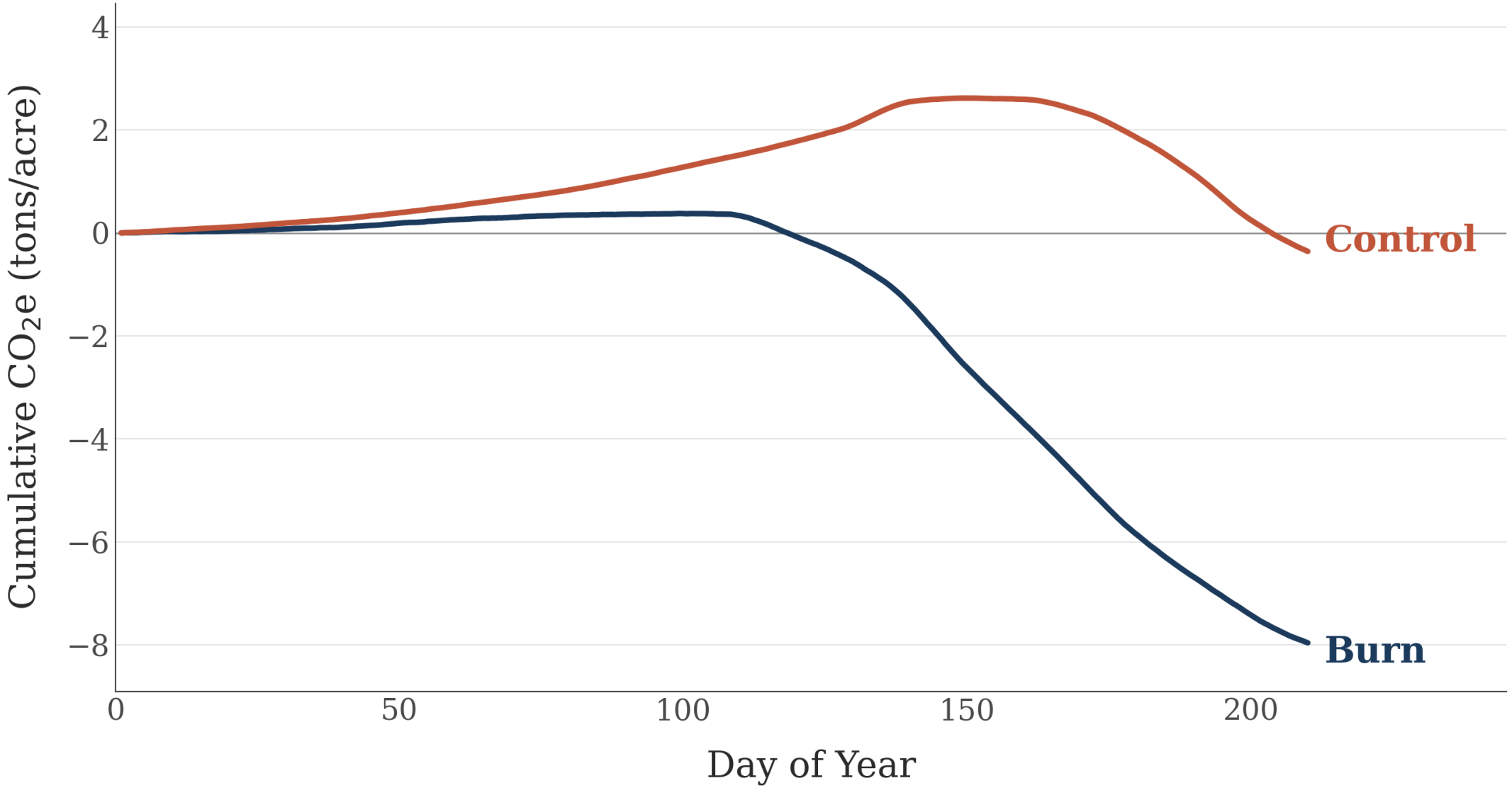


Key DWR hurdles

- **Permitting & compliance**: SMAQMD, PFIRS, CEQA, DWR permits
- **Agency coordination:** Fire & Reclamation Districts, Universities, Tribes, Tribal members
- **Internal**: Protocols, site prep, permit development, approvals
- **Continued communication & relationship building**



Preliminary: CO_2 uptake 7.7 tons CO_2/acre higher!



Sites similar pre-burn, higher greenness post-burn

