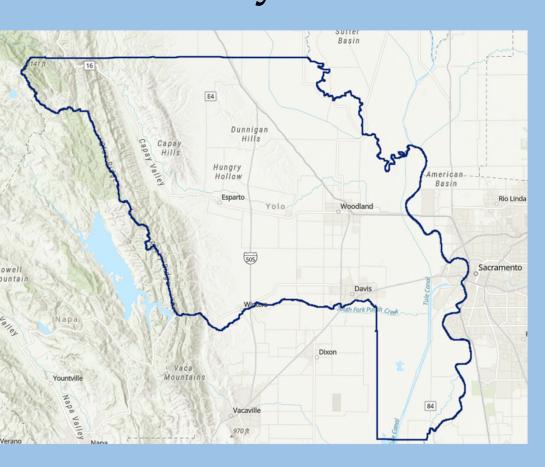


he Yocha Dehe Wintun Nation Tribal perations are primarily in the Capay Valley, olo County, California





Cache Creek Casino Resort

illion gallons of highly treated stewater is reused annually for gation on the adjacent Yocha Dehe If Course.

illion gallons of highly treated stewater is reused annually for toilet urinal flushing; reducing daily able water demand by 55,000 lons.

raw groundwater is used for gation at the Yocha Dehe Golf rse.





Increased Use of Surfacewater From Cache Creek

- The use of surfacewater reduces the groundwater demar and improves long-term groundwater sustainability.
- 2015 the golf course creek intake distribution system expanded for irrigation of the casino landscaping, reducing the demand of the groundwater wells by approximately million gallons annually. Also allowed for delivery to farmland previously irrigated solely by groundwater.
- 2020 North Pump Surfacewater Intake System brought online, distributing surfacewater to farmland previously irrigated solely by groundwater.
- 2021 North Pump Surfacewater Distribution System expanded to other groundwater-dependent tribal properties, further reducing groundwater demand.



Tribal Water Well Ordinance

- 2018 Tribal Water Well Ordinance adopted by the Tribal Council (applicable to all lands controlled by Yocha Dehe, fee or trust land).
- Identifies standards for well work and identifies permitting requirements for new wells, soil borings, anytime a well seal is broken, and well destructions.
- Has allowed for a better understanding of groundwater conditions on tribal properties.
- The Yocha Dehe Environmental Department is the enforcing agency.



Tribal Environmental Department Groundwater Monitoring

• Groundwater Levels:

- 35 wells monitored a minimum of twice a year, with many measured monthly.
- Additional 15 wells monitored that are associated with regulatory requirements.

• Groundwater Sampling:

- Minimum 14 wells annually at varying locations on the tribal properties.
- Additional 9 wells twice a year for regulatory purposes.

nnual Crop Selection

rior to each planting season, the Yocha Dehe arm reviews projected surfacewater eliveries, groundwater levels, and historical ater use information to assist with annual rop selection and planning.

urrent and historic irrigation crop demand lso monitored.

nce the available water sources are reviewed, eterminations are made on which annual rops will be planted.

eing mindful of available water and irrigation rop demands protects the sustainability of roundwater and safeguards other tribal perations.



Perennial Crop Selection

The Yocha Dehe Farm is diversified in their perennial crops, but olive trees are preferred due to a lower annual irrigation demand.

New perennial crops only planted after careful consideration of long-term water demands.

Selection of olive and almond crops provides additional flexibility as they can be deficit irrigated, if needed.

Perennial crops are irrigated with lowest possible water use in mind, utilizing best management practices and current technology.





eclaring Tribal rought Emergency nd Instituting Water onservation easures

- In 2014 and 2022, the Yocha Dehe Tribal Council declared a Tribal Drought Emergency and instituted water conservation measures. In 2022, water conservation methods resulted in water conservation and use reduction across tribal operations, including an approximately 20% agricultural water reduction.
- The 2022 agricultural water reduction was a result of detailed planning that included: crop rotation, fallowing water intensive annual crops and pasture, targeted removal of aging orchards, and water reduction to crops that would not be permanently damaged (late season alfalfa and olive orchards).



euse of astewater at e Seka Hill live Mill

- Up to 1.6 million gallons of olive oil milling process wastewater can be reused annually for irrigation under current permitting requirements.
- Shallow groundwater conditions are closely monitored beneath the application areas. Wastewater is applied to fallow grasses or perennial crops at agronomic rates.
- The fallow grasses in the primary application area are grazed by cattle each year.



Additional Water Conservation Actions

- Prioritizing low water use irrigation across tribal properties.
- Selection of decorative landscaping that includes drought tolerant plants, dryscape, and artificial turf.
- Cutting irrigation to non-essential landscaping when needed.
- Installing low water use fixtures and appliance (retrofit and new construction)
- Limiting wet drills at the Yocha Dehe Fire Department.
- Limiting the use of pressure washers on tribal properties.