

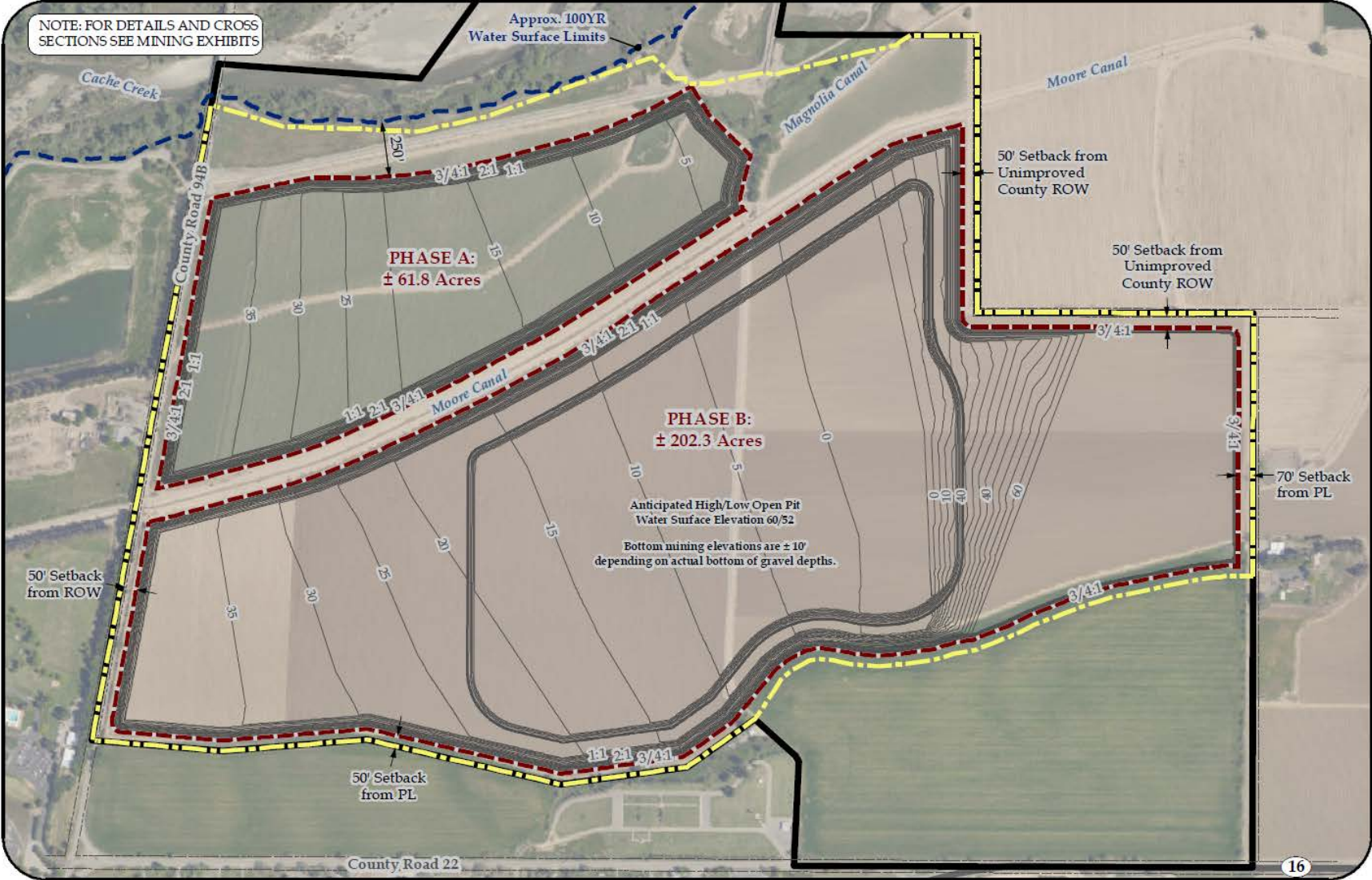
Shifler Mining and Reclamation Project

Board of Supervisors Presentation

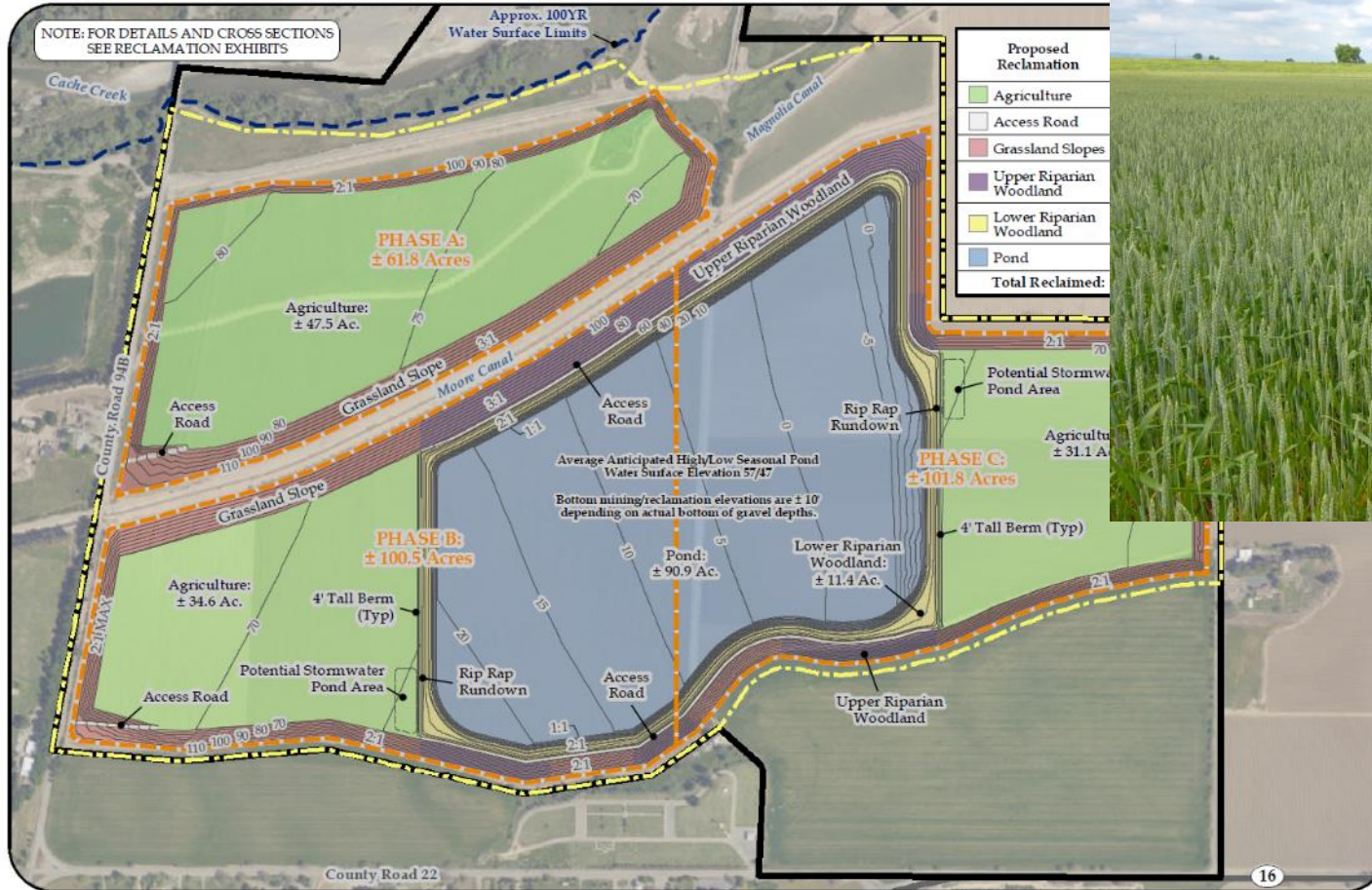
January 11, 2022



Teichert Shifler Mining Plan

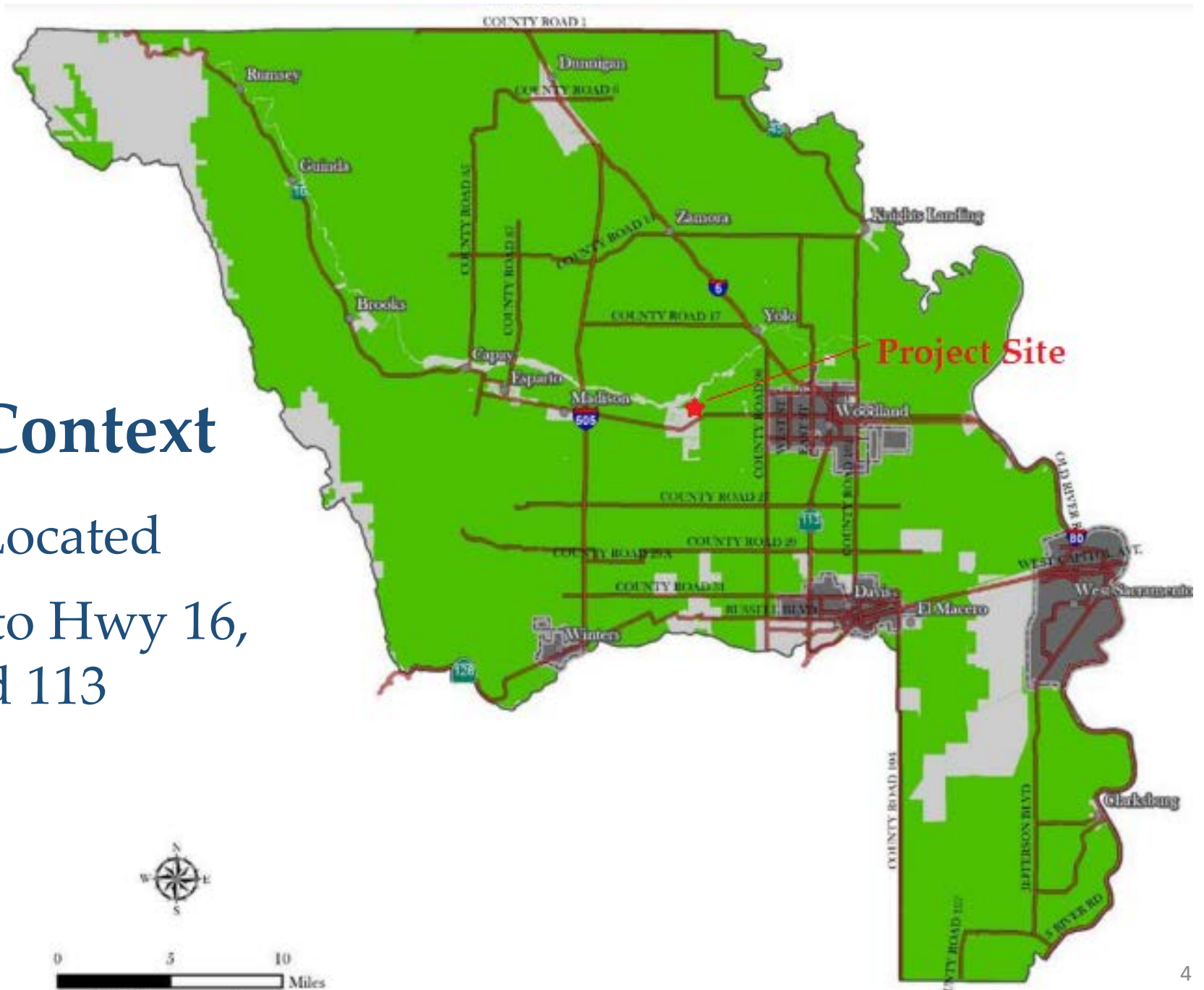


Teichert Shifler Reclamation Plan



Regional Context

- Centrally Located
- Proximity to Hwy 16, I-5, 505 and 113

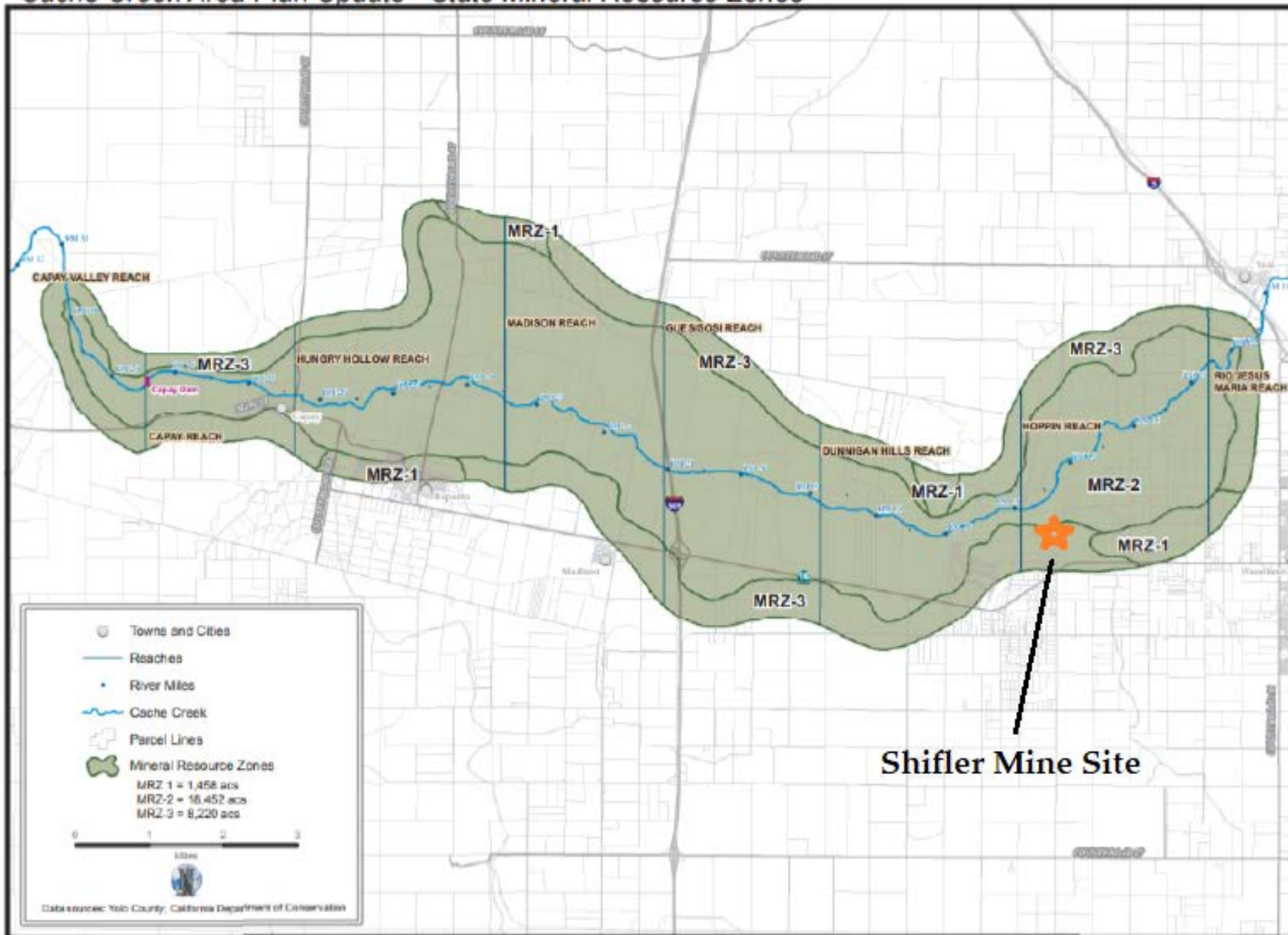




Adjacent to the Existing Woodland Plant



Cache Creek Area Plan Update - State Mineral Resource Zones



Located
Within the
CCAP
Boundary

Shifler Mine Site



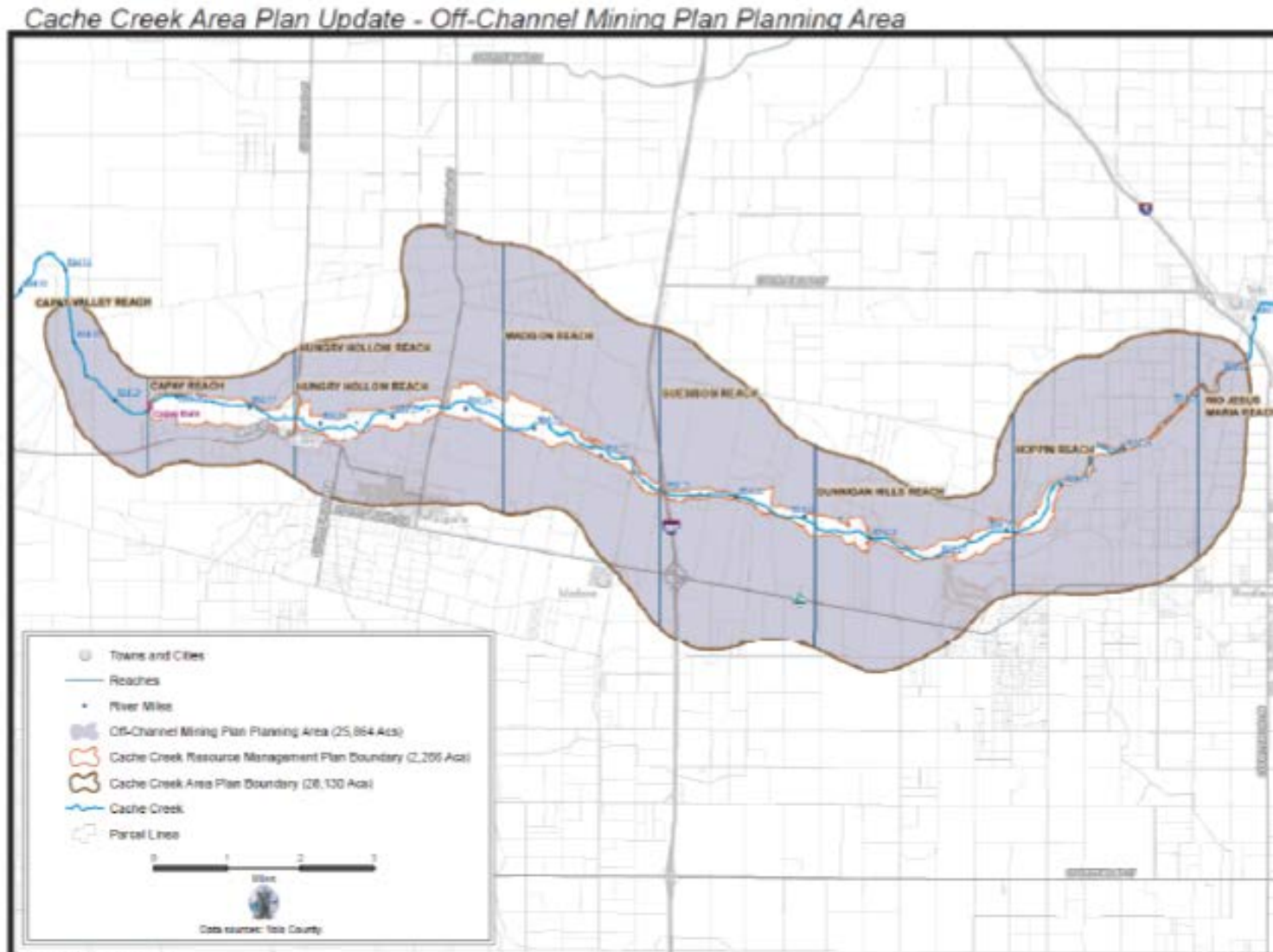
Purposes of the CCAP

1. **Preserve, Protect and Restore Cache Creek**
2. **Supply Aggregate Responsibly**
3. **Creation of the Cache Creek Parkway**

Long Established Policy of Yolo County

- **Approved by the Board of Supervisors in 1996**
- **Approved by 61% of the Electorate in 1996**
- **Updated and Reaffirmed Unanimously by the Board of Supervisors in 2019**
- **Award Winning Program**
- **Regarded as a Model Public Private Partnership**

What Does the CCAP Do?



May 10, 2017

Figure 3

**Removes Mining
from Cache Creek**

**Designates the
Appropriate Area
for Mining**

**Precludes Mining
Elsewhere**



The Shifler Project is consistent with, and furthers the goals of, the Cache Creek Area Plan

Teichert Contributions to CCAP Formation

Concept of Net Gains & Cache Creek Conservancy



Former aggregate mine pit.



Reclaimed pit to wetland habitat.



Cache Creek
Conservancy



The Jan T. Lowrey



Cache Creek Nature Preserve

Cache Creek Conservancy



Teichert Aggregates

Yolo County

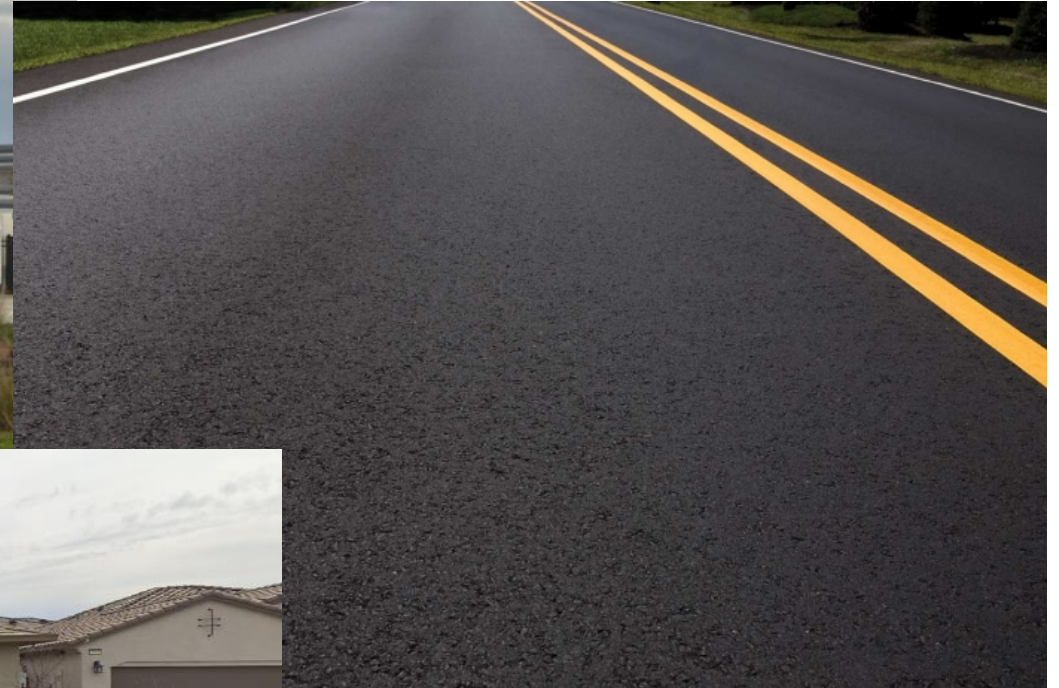


Teichert CCAP Implementation Contributions

- **Dedication of the Cache Creek Preserve Land**
- **Formation of the Cache Creek Conservancy**
- **Creek Restoration and Stabilization Projects**
- **\$3,000,000 to Finance the Conservancy**
- **Contributes 40% of Annual Conservancy Budget**
- **Dedication of Considerable Acreage to Form the Parkway**

Why is Aggregate Important?

7.6 Tons Per Person Annually



Recent Yolo Projects Using Teichert Aggregate



Importance of Local Aggregate Source

“Distance Matters”

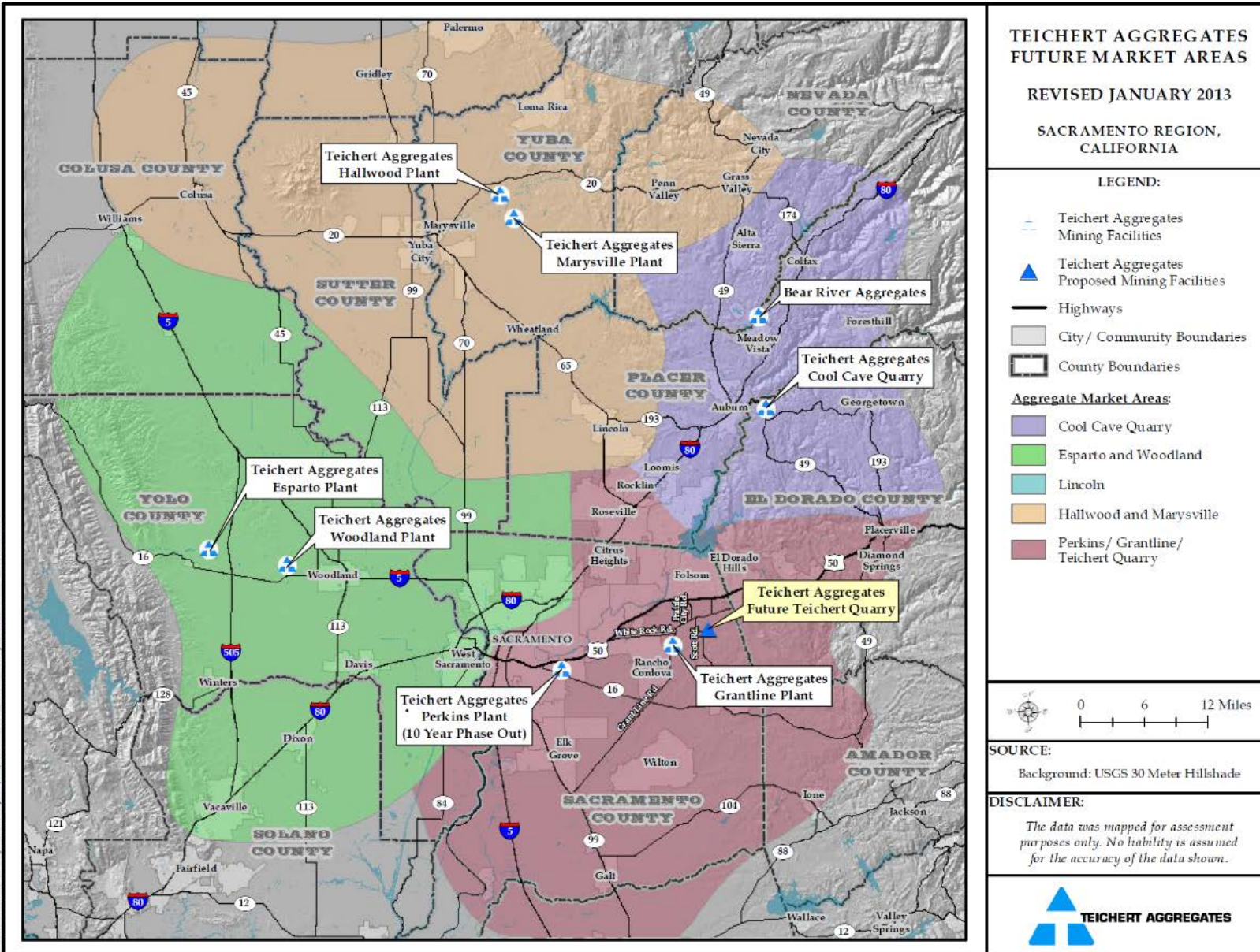
Material Cost

- **Cost Increases for Each Mile Traveled**
- **Cost Doubles Every 30 Miles**

GHG and Other Air Emissions

- **Shorter Distance Results in Fewer Emissions**
- **Main Emitter of GHG is Vehicles**

Teichert's Siting Strategy



T: Crawford, revised by C. Corney 01/04 / 2013 MING. MarketStudy_831_1_ Revised_201301.mxd

Sustainability Features

- All Electric Aggregate Plant
- Electric Conveyors
- On-site Solar Array
- Valley Clean Energy Ultra-Green Energy Commitment
- Electric Vehicle Charging Stations
- Recycled Aggregate Products



Economic Benefits

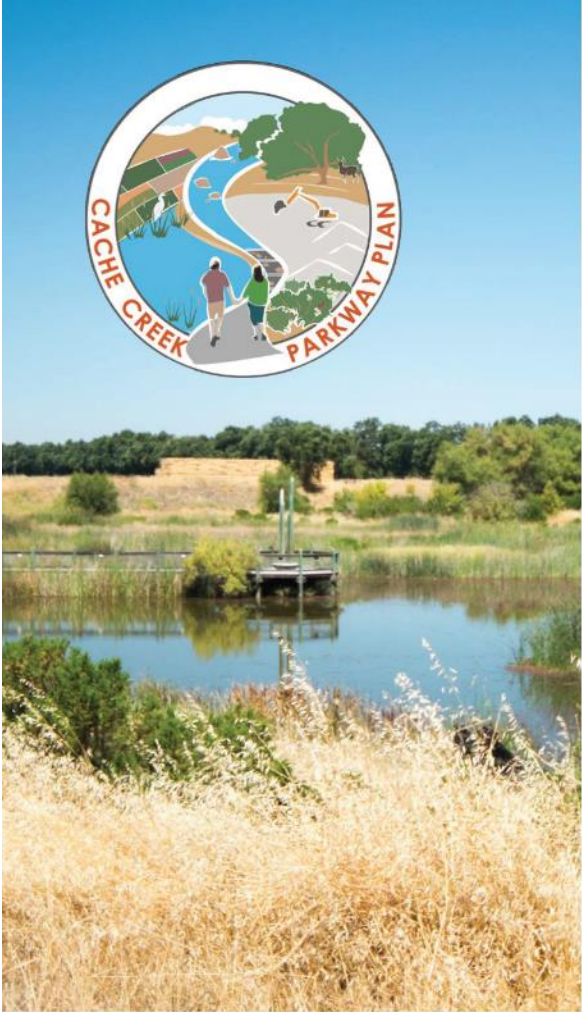
- Employment
- Careers Not Jobs
- Multiplier Effect
- Property Taxes
- Sales Taxes
- Fees



Teichert's Woodland Plant Team

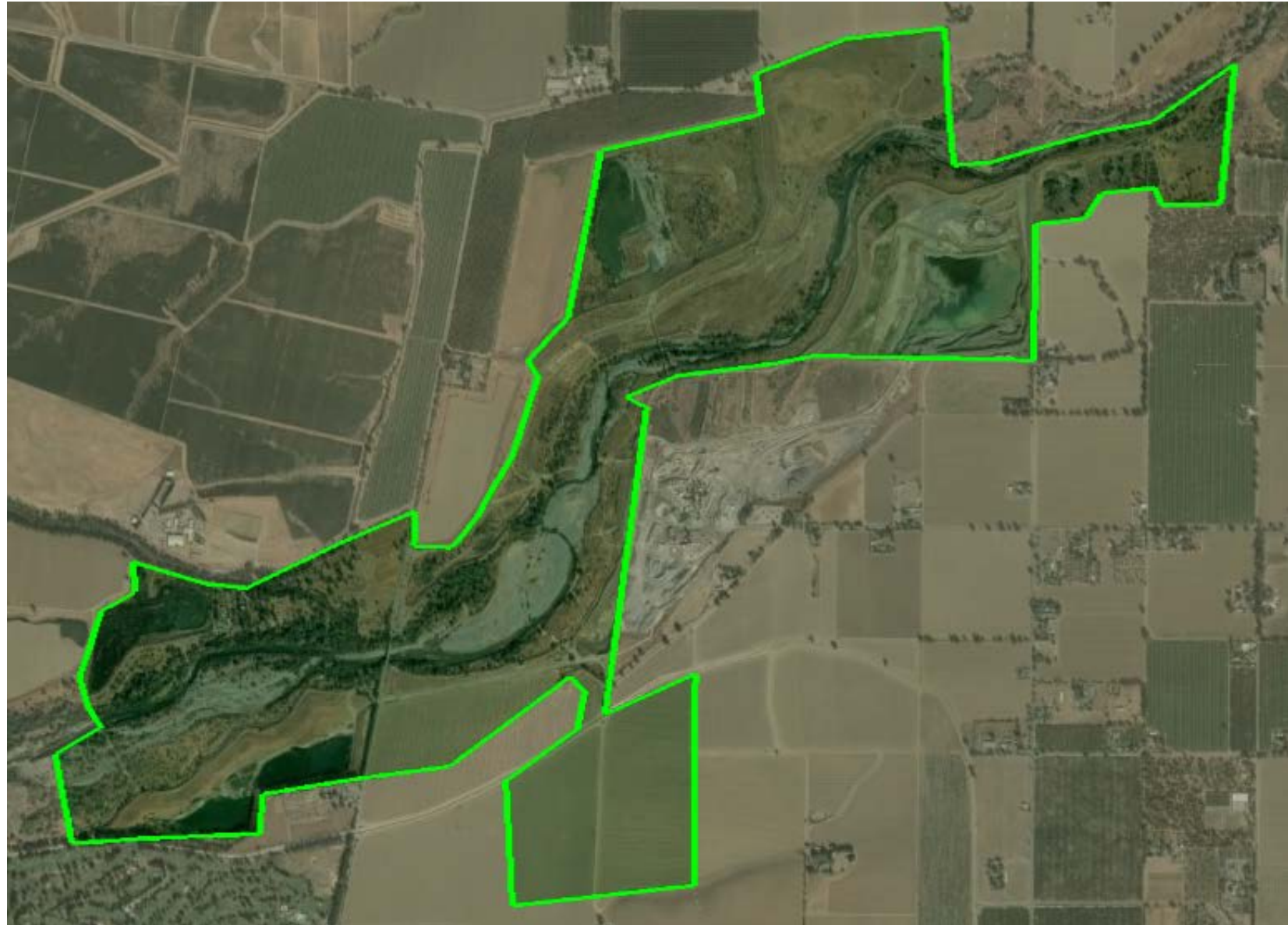


Parkway “Net Gains” Commitments



Mining Company Land Dedications

Contributing more than 1,000 acres to create the east-end of the Parkway.



Muller Bridge Dedication

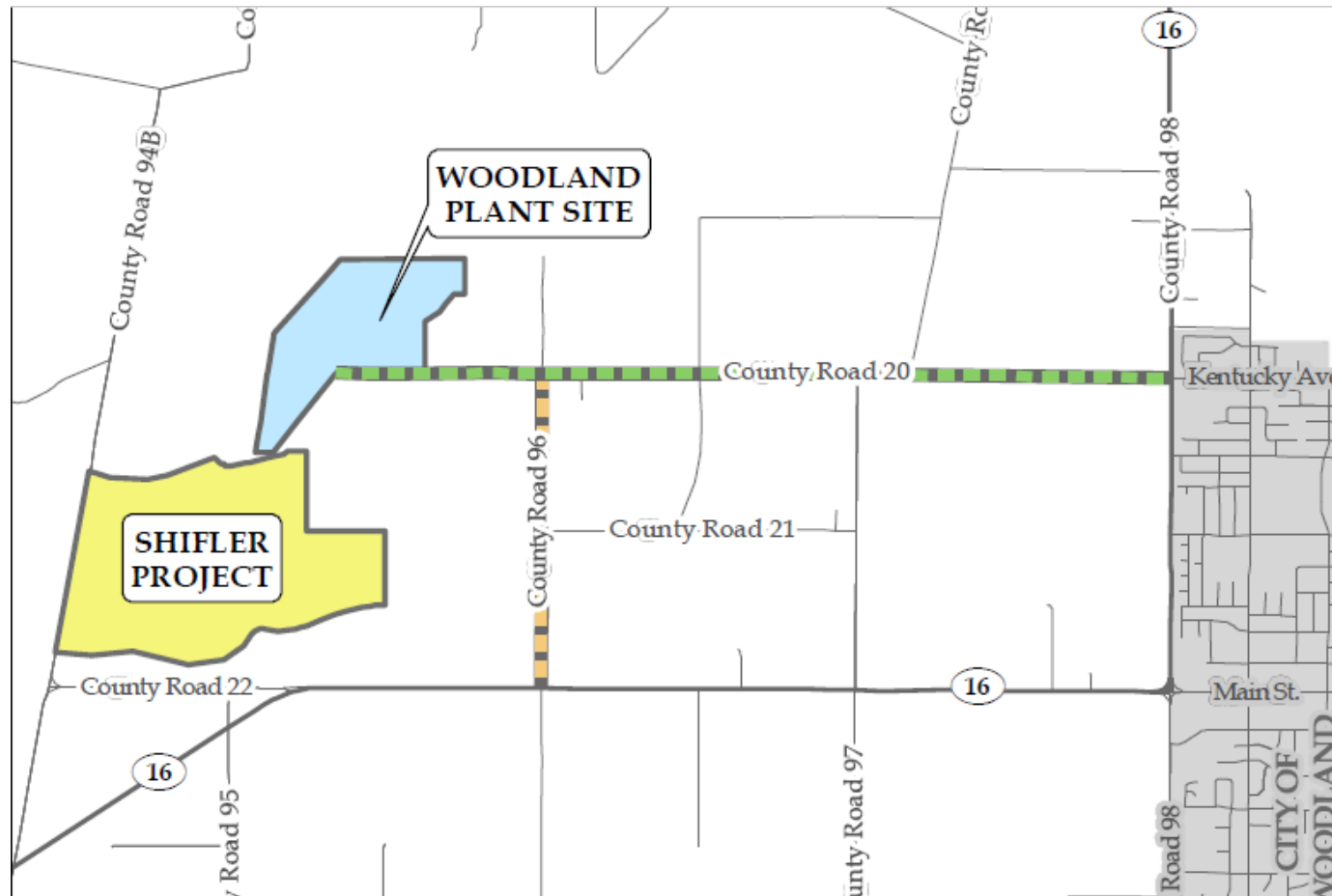


Response to Questions and Comments

1. Traffic on haul routes
2. Noise affecting neighboring uses
3. Loss of agricultural land
4. Ground water
5. Mercury methylation
6. Cache Creek Parkway impacts
7. Cultural resources
8. Property values
9. Requests for additional study

Traffic Concerns on Designated Haul Routes

County Roads 20, 96 and State Route 16



- Adding paved shoulders
- Ongoing maintenance
- Reduced tonnage = 20% fewer truck trips annually

Noise from Operations and Trucks

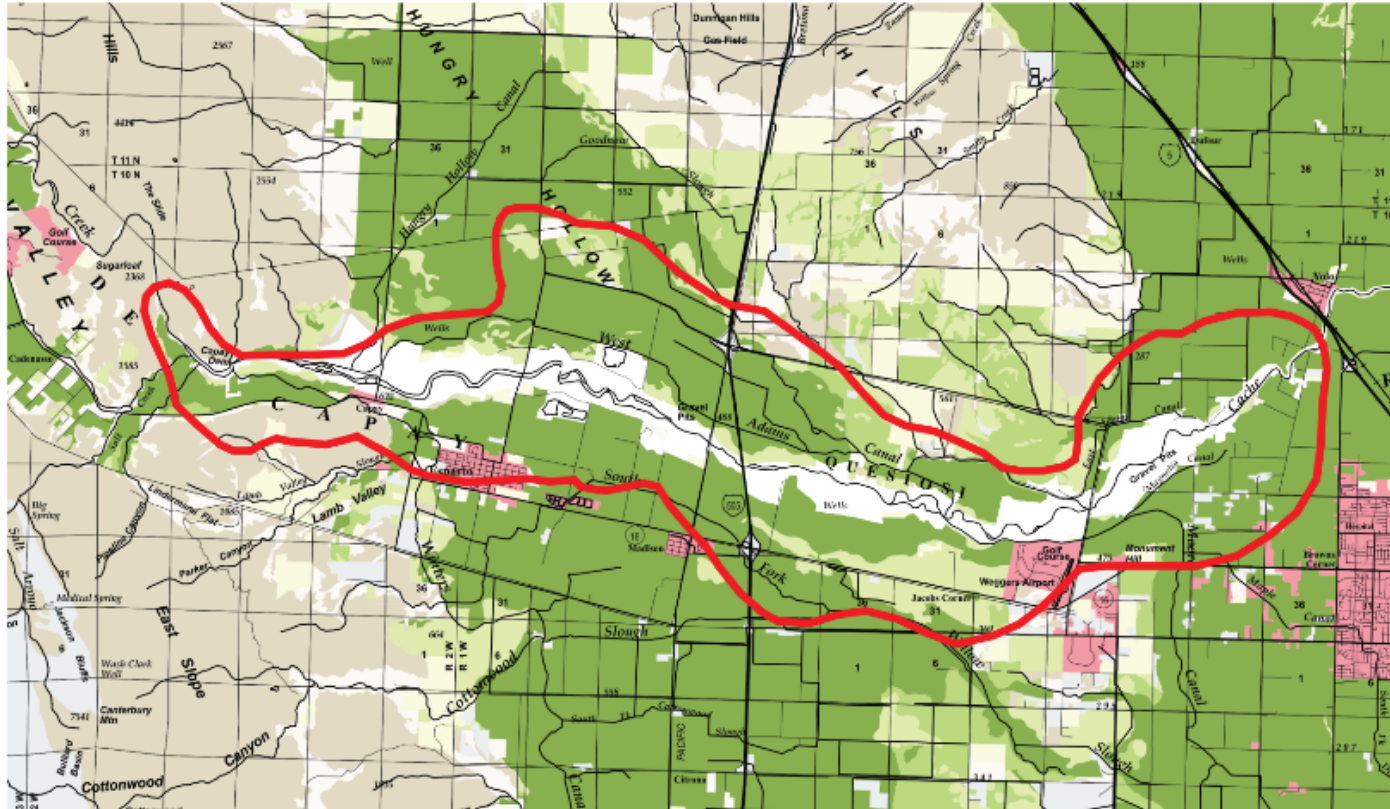
- Electric conveyance of mined material
- White noise to replace back-up beepers
- Rubberized asphalt to reduce truck tire noise



Agricultural CCAP Consistency

CCAP UPDATE AREA IMPORTANT FARMLAND

Figure 4.2-1



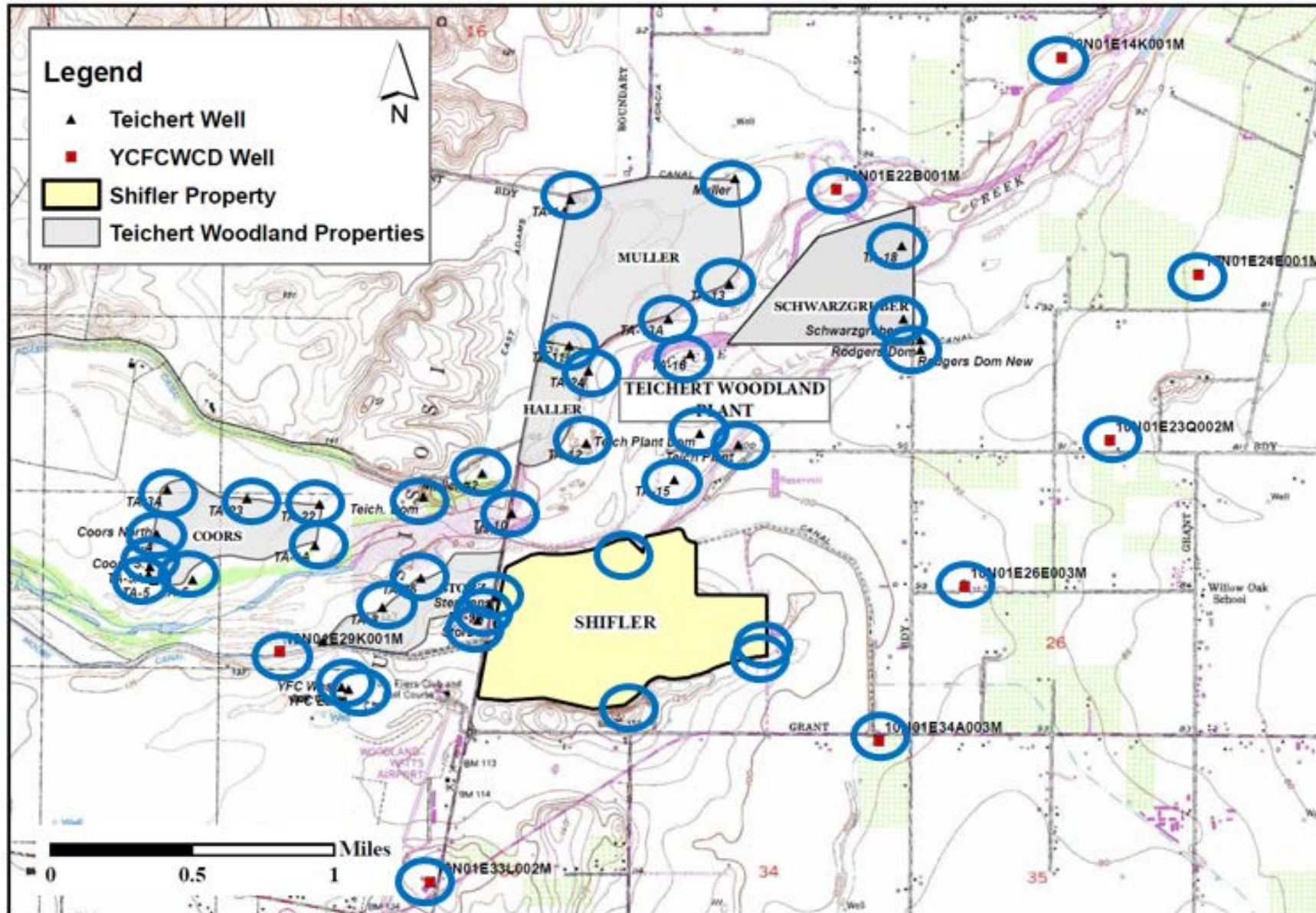
- Policy decision from 1996
- Reaffirmed in 2019
- Only 4% of all land is in the CCAP Area
- Comply with Agricultural Mitigation Ordinance
- Reclaim to Agriculture

Long-term Scientific Analysis Has Established

- **Groundwater Levels Not Impacted**
- **Groundwater Quality Not Impacted**



Extensive Groundwater Monitoring and Modeling



Mercury Methylation

- Studied Extensively Over 25 Year Period
- Recognized as Pre-Existing Potential Concern
- Ordinance Requires Ongoing Monitoring
- Ordinance Specifies Remedial Measures If Necessary

Teichert's Role in Creating the Parkway

- 542 acres – Teichert has given or committed to the Cache Creek Parkway
- 333 acres – coming to the Parkway as a result of the Shifler Project
- 875 acres – Total Teichert land contribution to the creation of the Parkway

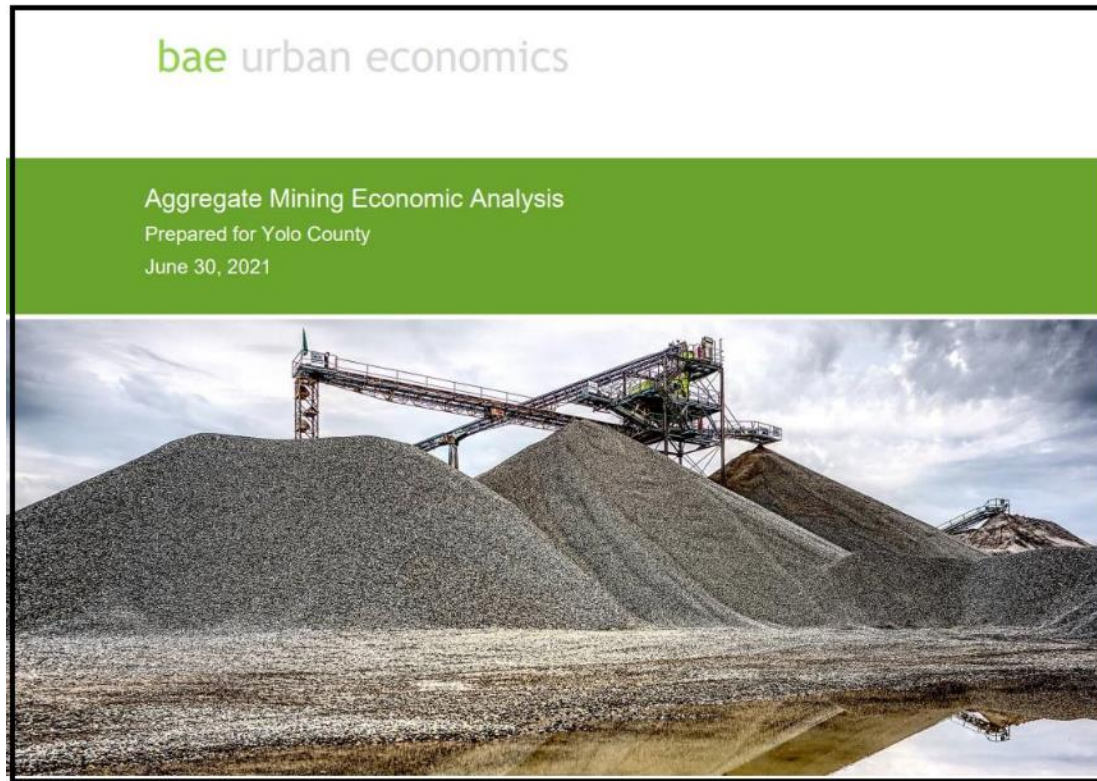


Protecting Cultural Resources

- **Enhanced Mitigation Measures**
- **Site Visits and Prospective Trenching**
- **First of its kind Tribal Monitoring Agreement Proposed**



No Impact to Neighboring Property Values



“...the proximity of the Yolo County gravel mining operations to the residentially-designated property has not negatively impacted the home values.”

-- *Bay Area Economics, Aggregate Mining Economic Analysis*

What Is Left To Study?

- Exhaustive studies already conducted
- Outreach meetings have occurred since 2013
- Draft EIR has been available for 13 months
- Teichert is running out of material
- Teichert needs this project to continue Yolo operations



Request Approval of the Shifler Mine and Reclamation Project

- Shifler Project is consistent with, and furthers the goals of, the Cache Creek Area Plan, County policy for 25 years
- Shifler Project adds considerably to the Parkway
- Approval of the Project continues the long partnership between Teichert and Yolo County
- Necessary to continue Teichert's presence in Yolo County