

Working landscapes economic analysis – Greater Sacramento region



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El Dorado Countywide Plenary for Water
Building Community Resilience
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Overview

- **About the COE**
- **Origin of the study**
- **Working landscapes definition and method**
- **Findings – employment, earnings, sales income, exports, establishments**

About the Centers of Excellence (COE)

California Community Colleges need to ensure that CTE curriculum produces workers with the skills relevant to the regional and statewide economies.

The COE provide **quality labor market data and information** to help colleges respond to workforce needs.

Uses of the data:



Investing in new and relevant programs



Assessing labor market needs

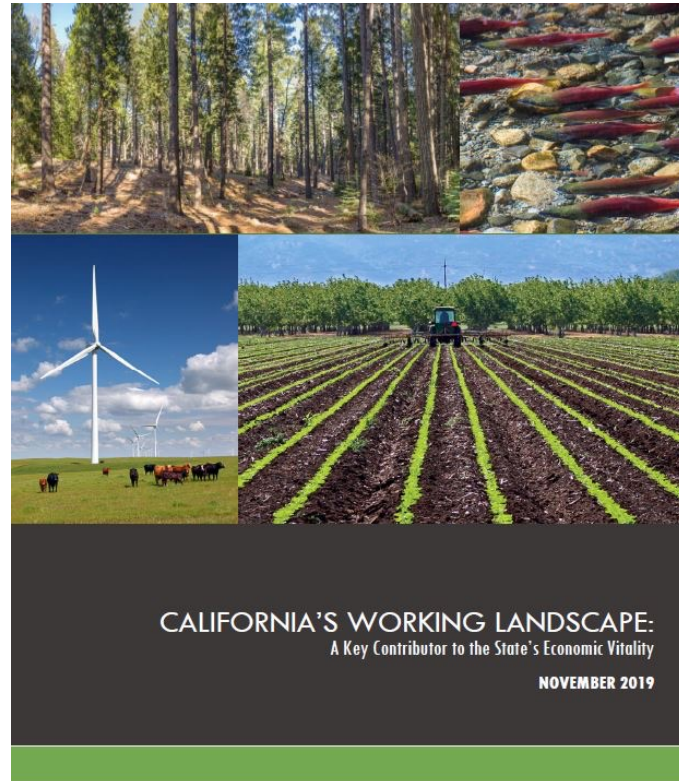


Reviewing existing programs



Pursuing grants

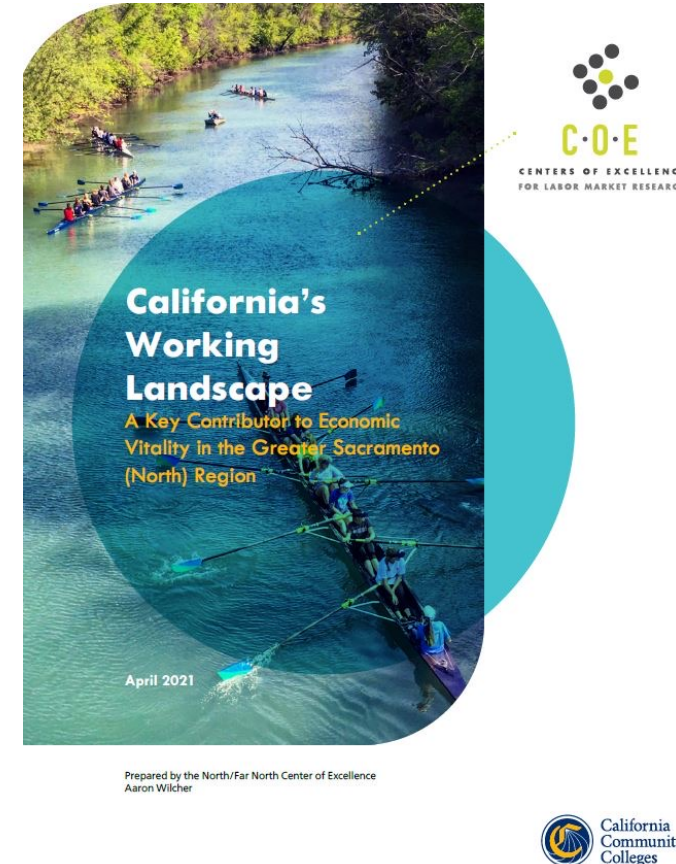
Working landscapes studies COE – UC Ag Natural Resources



UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources



2019 study COE – UC Ag and Natural Resources



2021 study COE Greater Sacramento region focus

Working landscapes definition and method

Working landscapes segments

- Agricultural production
- Agricultural support
- Agricultural processing
- Agricultural distribution
- Fishing
- Forestry
- Mining
- Outdoor recreation
- Renewable energy

Method – Data

- Greater Sacramento – 7 counties
- Emsi data – BEA source
- Input/output
 - Employment
 - Total Earnings
 - Sales income
 - Exports
- Emsi industry data
 - Establishments

Working landscapes – Greater Sacramento top-level findings

- 75,000 **jobs**, 5.3% of state total
- 4,300 **establishments**, 6.0% of state total
- \$4.3 BN in **earnings**, 5.0% of state total
- \$16.9 BN in **sales income**, 5.0% of state total
- \$9.5 BN in **exports**, 8.4% of state total
- Larger shares of state total in **outdoor recreation, forestry, mining, and renewable energy**

COE, Greater Sacramento reports

- Regional colleges and universities programs in:
 - Water / wastewater (FLC, WCC)
 - Natural resources / conservation (UCD, ARC)
 - Environmental science/ studies (UCD, CSUS, CRC, SCC, Sierra)
 - Forestry (LTCC)

- COE labor market / program scan reports:
 - [Watershed management](#)
 - [Water / wastewater](#)
 - [Forest management](#)

Greater Sacramento – Related WET Programs

Lake Tahoe Community College

- Fire Science / Academy
- Forestry (forthcoming)
- Wilderness Education

Sierra College

- Environmental Studies/Sustainability
- Natural Science
- Geography – GIS
- Ag – Wildland Forestry
- Sustainable Agriculture
- Building Industries – Mechatronics – Manufacturing tech
- Recreation Management

American River College

- Biotechnology
- Diesel / Clean Diesel Technology
- Fire Technology
- Geography – GIS
- Sustainable Landscaping – Landscape Design
- Horticulture
- Environmental Conservation – Forest/Range; Fisheries, Water Resources

Cosumnes River College

- Agriculture – Horticulture, Landscape, Welding
- Sustainable Landscape Design
- Horticulture – Sustainable Irrigation and Water MGMT
- Sustainable Agriculture
- Construction, Construction Management
- Fire Technology
- Geography – GIS
- Environmental Studies and Sustainability

Sacramento City College/Folsom Lake College

- Industrial Maintenance Mechanics
- Mechanical – Electrical technology
- Enviro Tech (Water/Wastewater)
- Geographic Information Systems (GIS)

Yuba College / Woodland CC

- Agriculture – plant science, sustainable ag
- Water and Wastewater Utility Operator
- Agricultural Science
- Agricultural Business
- Environmental Horticulture
- Sustainable Agriculture
- Plant Protection

For more information on the research, please contact

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