

Strategic Growth Council Assessments & Sonoma County's Watershed Collaborative



NORTH COAST RESOURCE PARTNERSHIP

STRATEGIC GROWTH COUNCIL GRANT

*Healthy Communities*Functional Watersheds*Viable Economies*

- Building on Successful Planning & Implementation
- Technical Assessments
- North Coast Resource Partnership Website

A photograph of two cows grazing in a field at sunset. The cows are silhouetted against a bright orange and yellow sky. The field is covered in dry, brown grass. The title 'North Coast Resource Partnership Planning' is overlaid in white text.

North Coast Resource Partnership Planning

- Integrated Planning for North Coast Region
- \$67 million in funding
- Focus on Implementation/Outcomes on the Ground
- Model for California
 - Rural Source Region
 - Tribal & Local Government Leadership
 - Science and Technical Guidance
 - Local Autonomy
 - Cost-effective Outcomes: Ecosystems & Communities

Technical Assessments

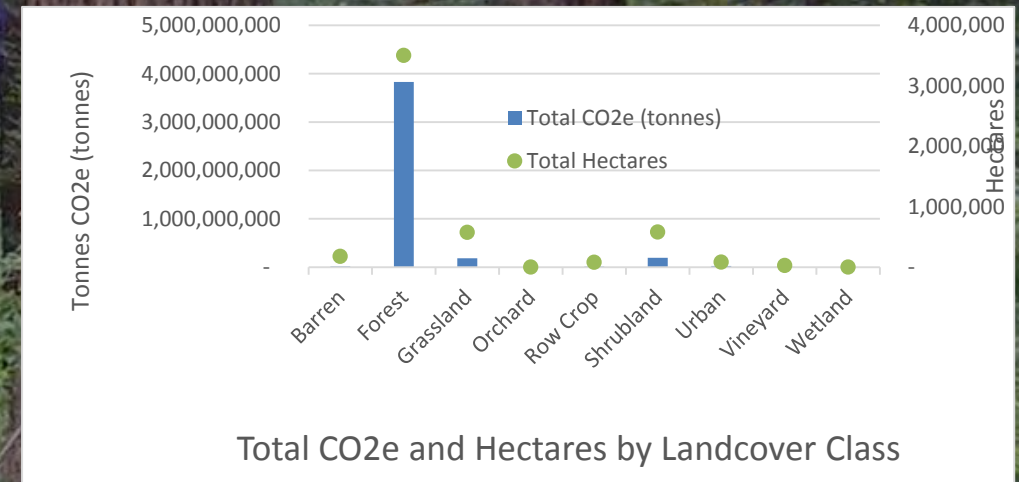
- Forest Health/Fuel Load Reduction:
 - Biomass, Biochar & Bio-products
- Biodiversity
- Carbon Sequestration
- Climate Projections:
 - Snowpack
 - In-stream flows
 - Forest health
 - Sea Level Rise
- Natural Capital Assessments: regional and local
- Renewable Energy Opportunities
- Infrastructure:
 - Broadband
 - Water/Wastewater

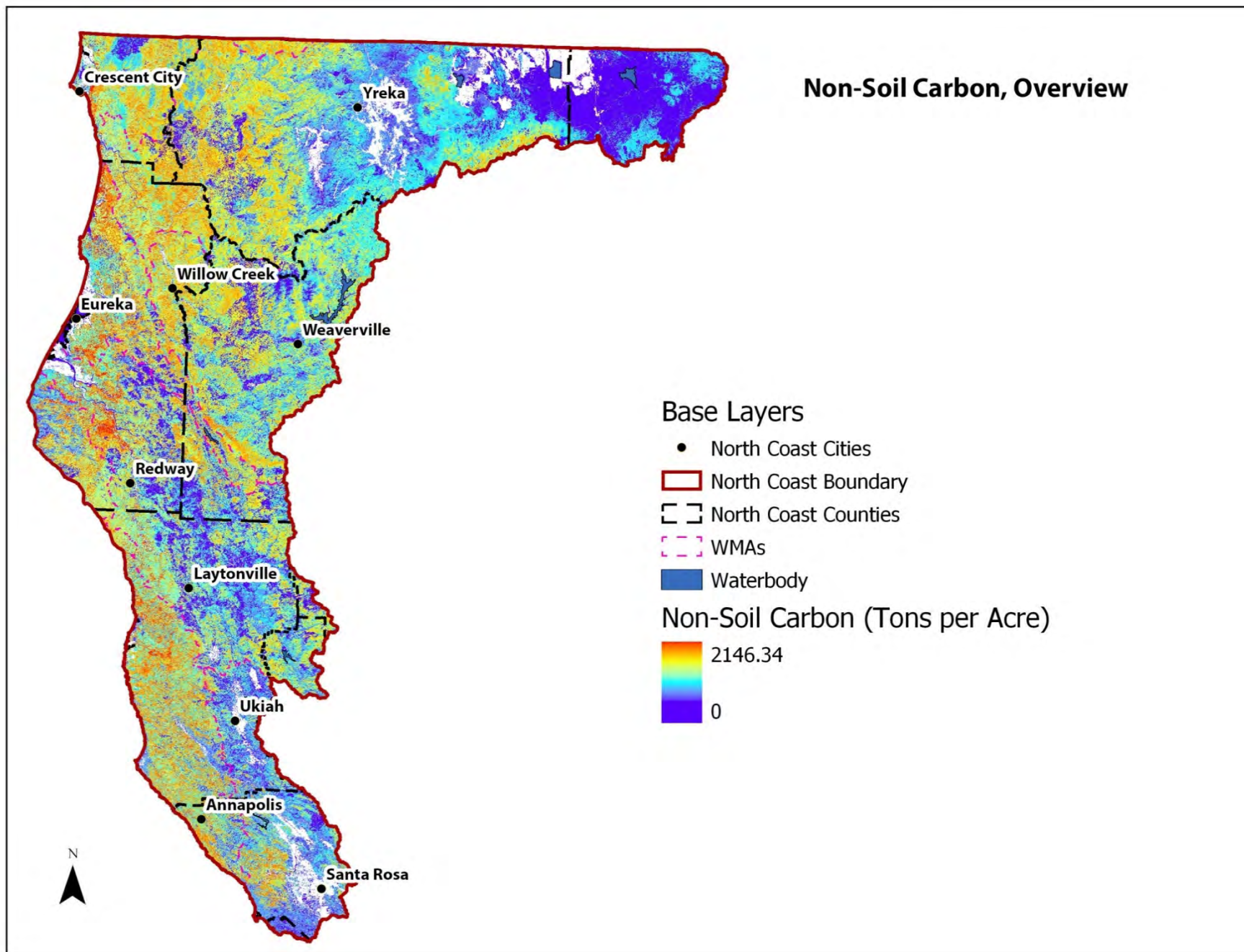
North Coast Carbon

4+ Billion
Metric Tonnes CO₂e

equivalent to 845,934,000 cars driven for one year!

John Nickerson
Climate Action Reserve



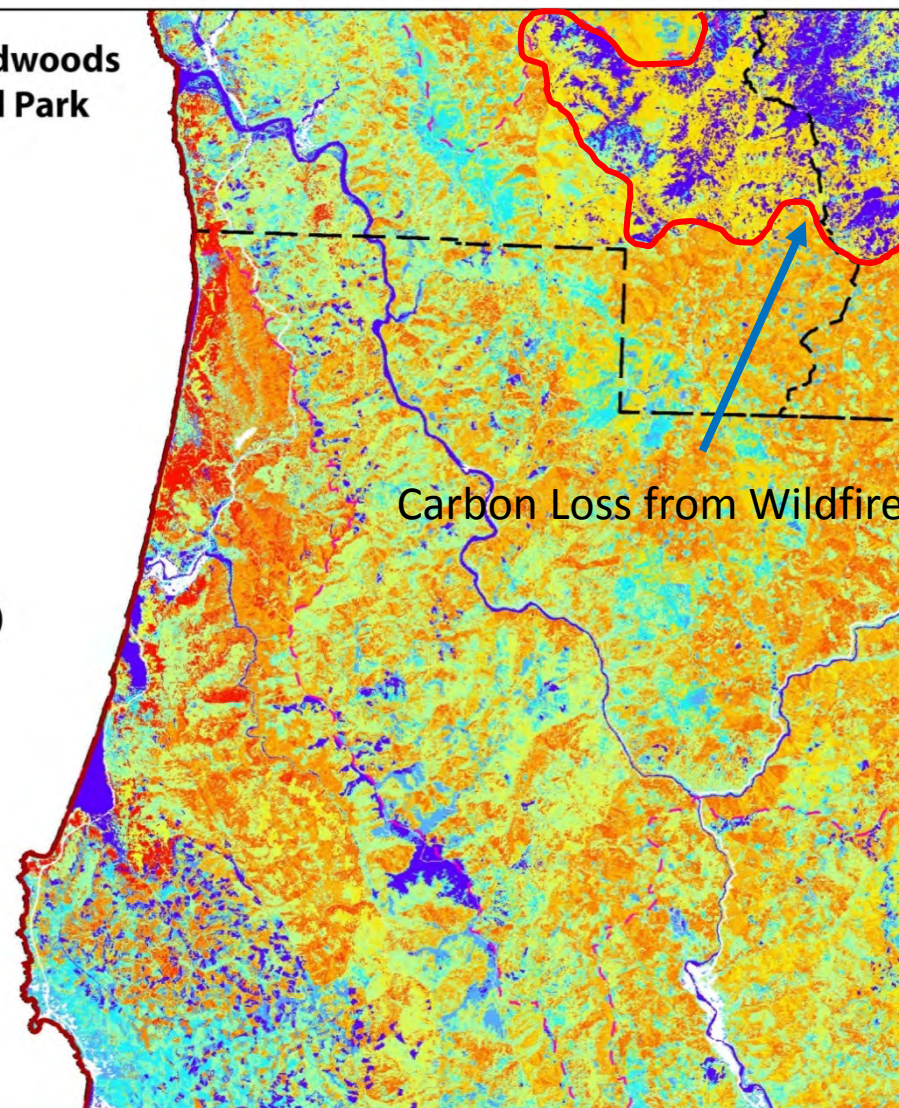
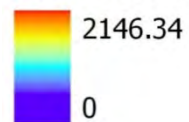


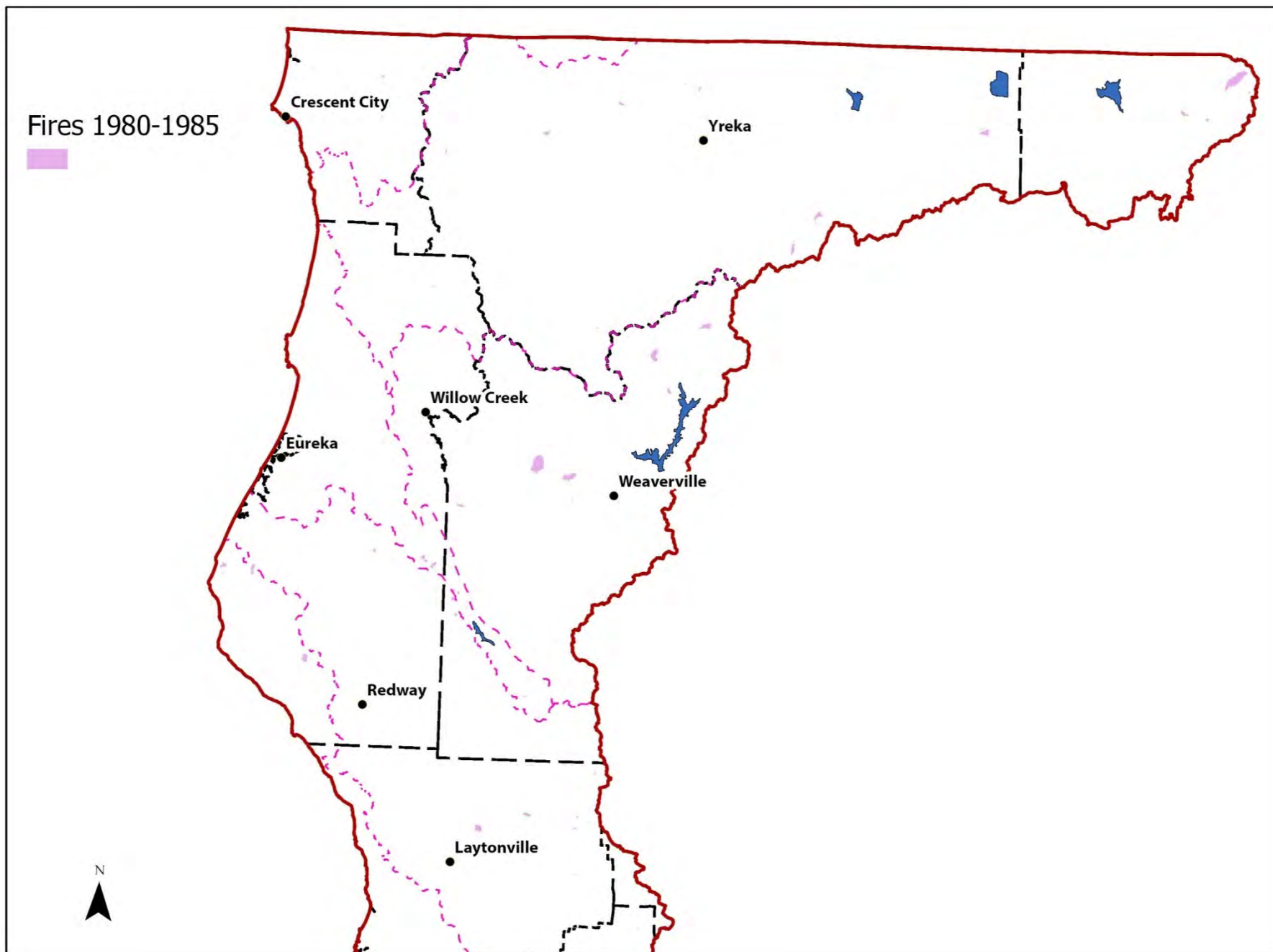
Non-Soil Carbon, Prairie Creek Redwoods State Park, And Redwood National Park

Base Layers

- North Coast Cities
- ▭ North Coast Boundary
- ▭ North Coast Counties
- ▭ WMAs
- Waterbody

Non-Soil Carbon (Tons per Acre)





Acreage of Stand Replacing Forest Loss – 2001 through 2014

Acres of Forest Loss

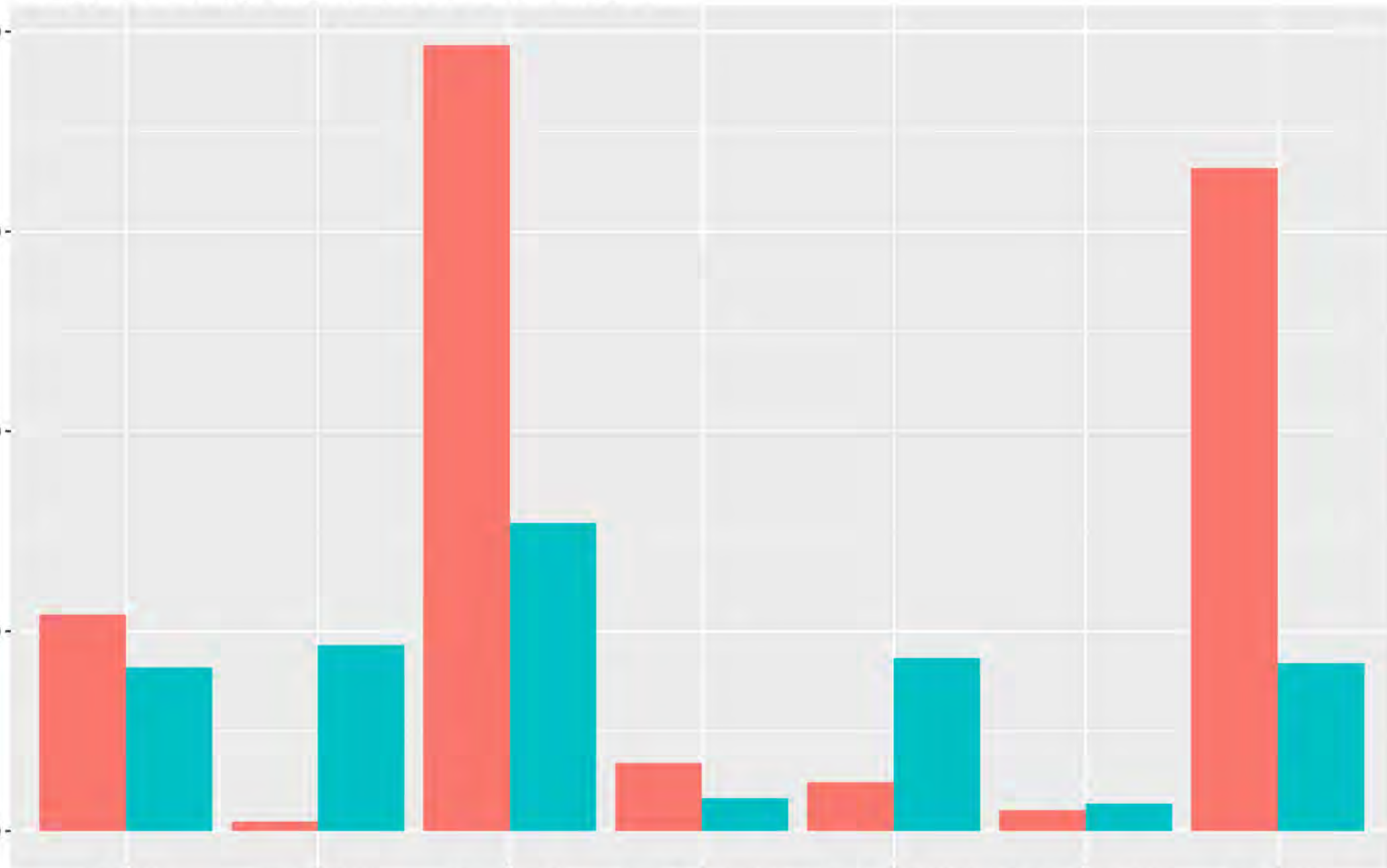
200,000
150,000
100,000
50,000
0

Fire
Fire
Other Disturbance

Sources: FRAP
Fire History
Layer, 2015;
Hansen Land
Cover Change
Data

Eel WMA Humboldt WMA Klamath WMA North Coast WMA 1 North Coast WMA 2 Russian Bodega WMA Trinity WMA

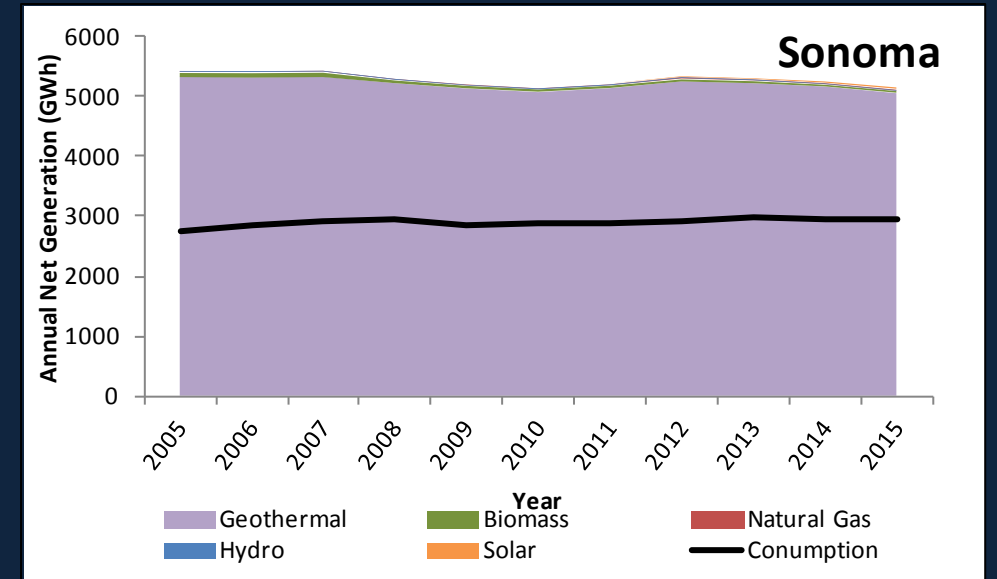
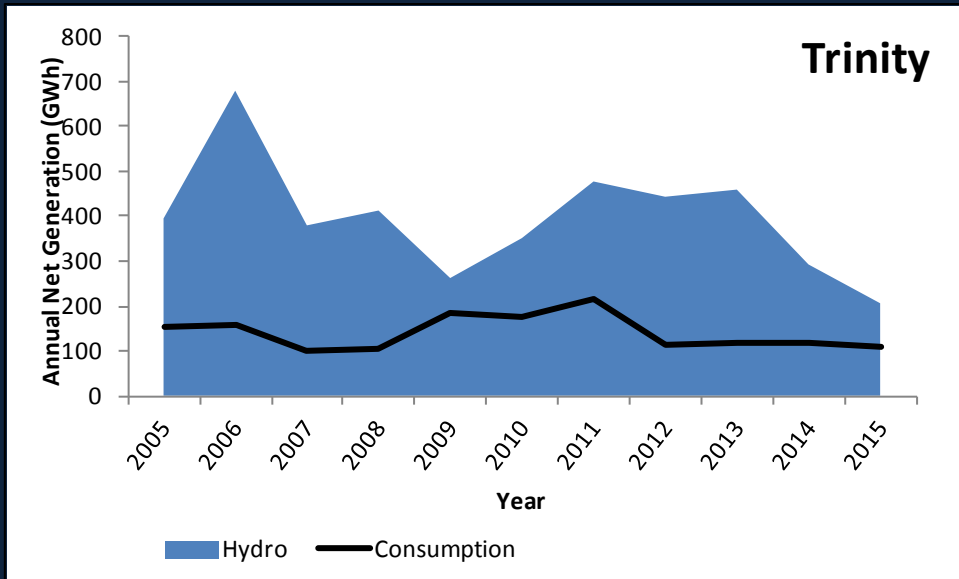
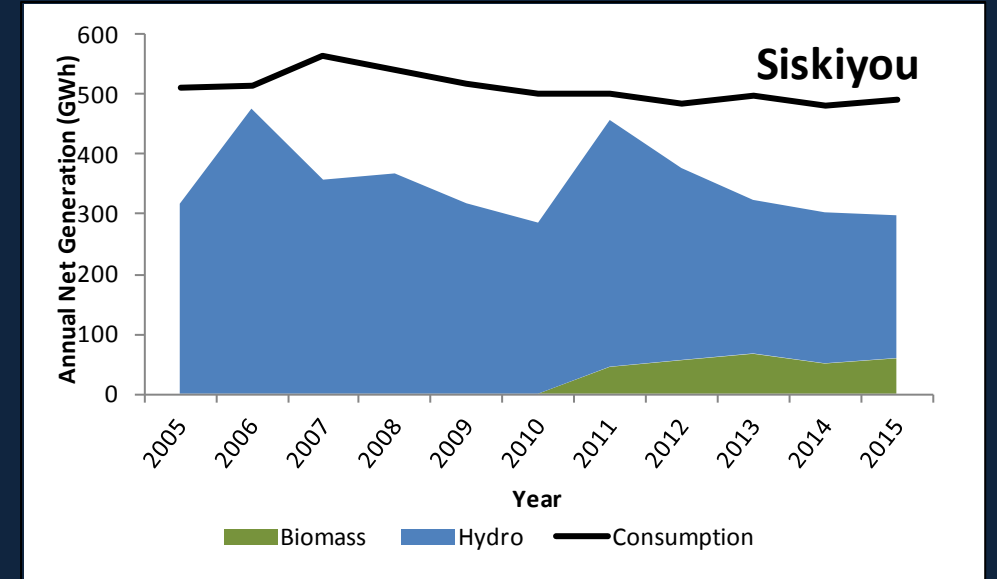
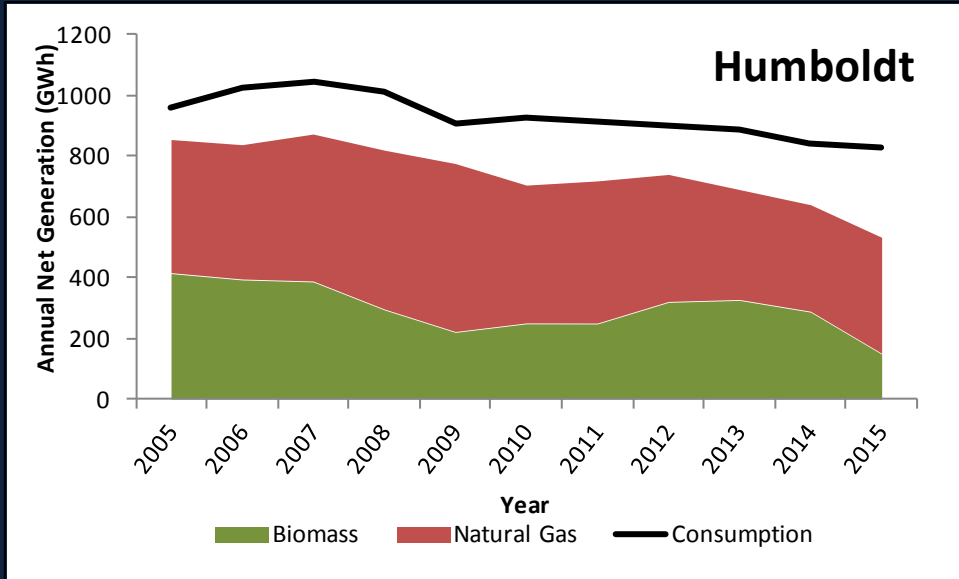
WMA



Energy Independence & Emissions Reductions

- Emissions by county and sector
- Energy sources – geothermal, hydro, natural gas, solar, biomass
- Solar PV capacity
- Energy efficiency and demand reduction
- Renewable opportunities: solar 68% of total renewable potential
- Challenges: intermittent and transmission issues
- Solutions: micro-grids, combined heat and power
- Biomass

- *Redwood Coast Energy Authority*
- *Schatz Energy Research Center, Humboldt State*
- *The Watershed Center, Hayfork*



Plan Outputs

- Financing & Funding Strategies
- Local and Model Planning Elements
- Integrated Strategies & Recommendations: On The Ground
- Legislation & Policy

Multi-Benefit Strategies

- Forest Management:
 - Biodiversity
 - Water supply & quality
 - Fuel load reduction
 - Carbon sequestration
 - Biomass energy
 - Local economic benefit – jobs + revenue

Next Steps

- Draft Plan & Website: TPRC & PRP
- April Meeting
- Share with Partners & Stakeholders
- Secure Funding for Plan Recommendations
- Implement Projects!

Website



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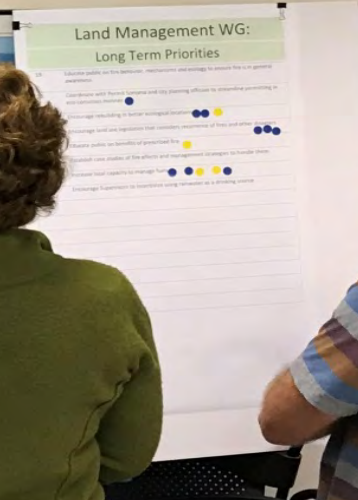
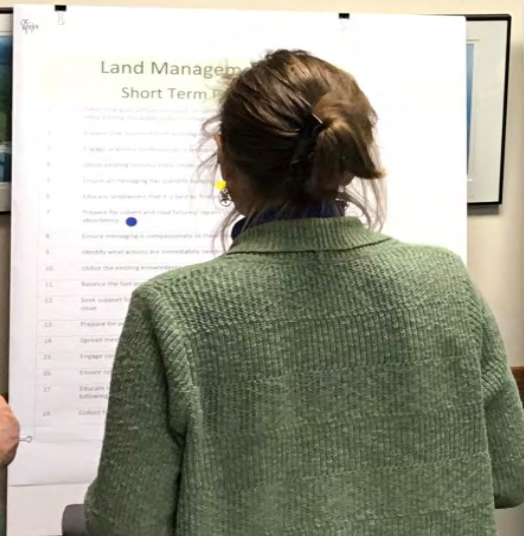
LIVING IN A FIRE-ADAPTED LANDSCAPE:

PRIORITIES FOR RESILIENCY

SONOMA COUNTY NATURAL & WORKING LANDS

Rapid Convening

Working Together on Solutions



Fire Recovery & Resiliency

- Cross-agency Collaboration
- Partnering with Community
- Leveraging Strengths
- Office of Recovery & Resiliency
- Pre-disaster Mitigation: fires, floods, landslides, drought, climate change
- Input for NCRP



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