

Jefferson County

COMMUNITY WILDFIRE PROTECTION PLAN



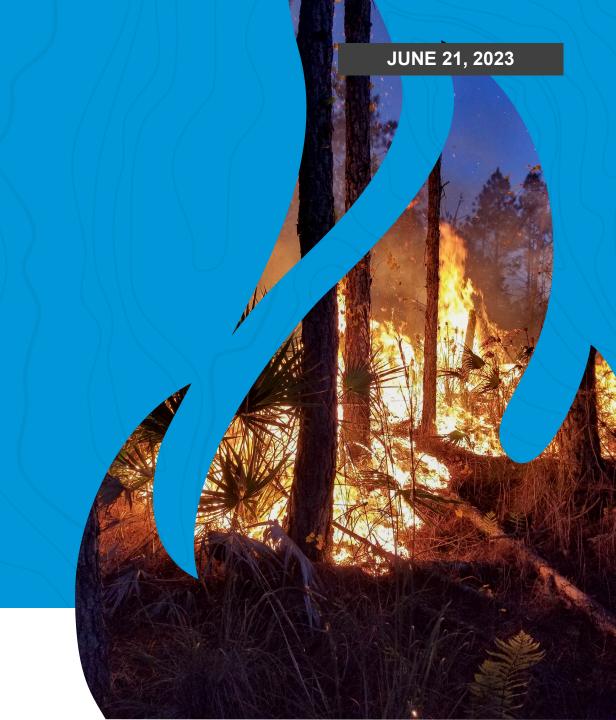








Advisory Group Meeting #1



Submit written comments to jeffbocc@co.jefferson.wa.us



PUBLIC COMMENT PERIOD





Introductions

Overview of CWPPs

Goals and Objectives

Schedule

Roles

Survey Results

CWPP Outline

Base Maps

Data Needs

Community Risk and Hazard Assessment

Wildland-Urban Interface Delineations

Public Outreach

Hub Site

Closing Remarks Regarding Next Steps and Actions

MEET THE SWCA TEAM



Emily GeeryProject Manager



Vicky Amato
Principal Fire
Planner/Subject Matter
Expert



Michaela Bartosh
Assistant Project
Manager



- Agency/organization
- Role
- CWPP experience
- What interests you the most about wildfire planning?



ADVISORY GROUP INTRODUCTIONS



OVERVIEW OF CWPPS

- Plan to reduce threats to life and property from wildfire
- Came from Healthy Forest Restoration Act 2003
 - Collaborative
 - Identify and prioritize hazardous fuel treatments and methods to protect at-risk communities
 - Identify measures to reduce structural ignitability
- Does not mandate actions
- Makes recommendations
 - Fuel reduction Resilient Landscapes
 - Structural Ignitability Fire Adapted Communities
 - Public education and outreach Fire Adapted
 Communities
 - Fire response capabilities Safe and Effective
 Wildfire Response
- Sets priorities for action
- Required for many grant funding sources



GOALS AND OBJECTIVES

- Improve wildfire resilience and adaptation
- Develop actions to mitigate risks
- Broad public and stakeholder input and support
- Access to grant funding
- Track improvements
 - Community resiliency
 - Planned and completed projects
 - Community outreach success



ADVISORY GROUP MEETINGS

Meeting 1

- Introduction
- CWPP goals and objectives
- Priority concerns
- Data gathering
- Public outreach preparation

Meeting 2

- Risk assessment
- Recommendations
- Document outline
- Implement public outreach

Meeting 3

- Draft document review comments
- Public outreach results
- Signatories



SCHEDULE

TASK	APPROXIMATE TIMELINE
Phase 1: Discovery	
Task 1: Kick-off Meeting and Identify Advisory Group Membership	May 2023
Task 1a: Conduct Stakeholder Interviews (Virtual)	August/September 2023
Task 2: Data Gathering and Management	August 2023
Task 3: Establish Community Base Maps	July 2023
Phase 2: Meet and Retreat	
Task 4: Host Advisory Group Meetings	
Advisory Group Meeting #1: Virtual (2 hours)	June 2023
Advisory Group Meeting #2: In-person Workshop (Retreat)	August/September 2023
Advisory Group Meeting #3: Virtual (2 hours)	December 2023
Task 5: Host Public Engagement Meetings	
Public Meeting #1: Mixed Virtual/In-person	August/September 2023
Public Meeting #2: Mixed Virtual/In-person	August/September 2023
Public Meeting #3: Mixed Virtual/In-person	August/September 2023
Public Meeting #4: Mixed Virtual/In-person	August/September 2023



SCHEDULE

TASK	APPROXIMATE TIMELINE
Phase 3: Document and Review	
Task 6: Develop a Community Risk Assessment	July/ August 2023
Task 6a: On-the-ground Structural Hazard Assessments	August/September 2023
Task 7: Develop Mitigation Strategies and Actions	December 2023
Phase 4: Approve and Launch	
Task 8: Draft CWPP	December 2023
Task 9: Virtual Final Draft Delivery	February 2024
Phase 5: Hub Site and Evacuation Modeling	
Task 10: Development of Esri Hub Site	February 2024
Task 11: Evacuation Modeling and Planning	December 2023



ADVISORY GROUP ROLES

- Represent your jurisdiction
- Provide local expertise, knowledge, and direction
- Assist with data compilation
- Engage other stakeholders
- Develop implementable project recommendations
- Implement projects (after the CWPP is approved)
- Track project accomplishment





SURVEY RESULTS

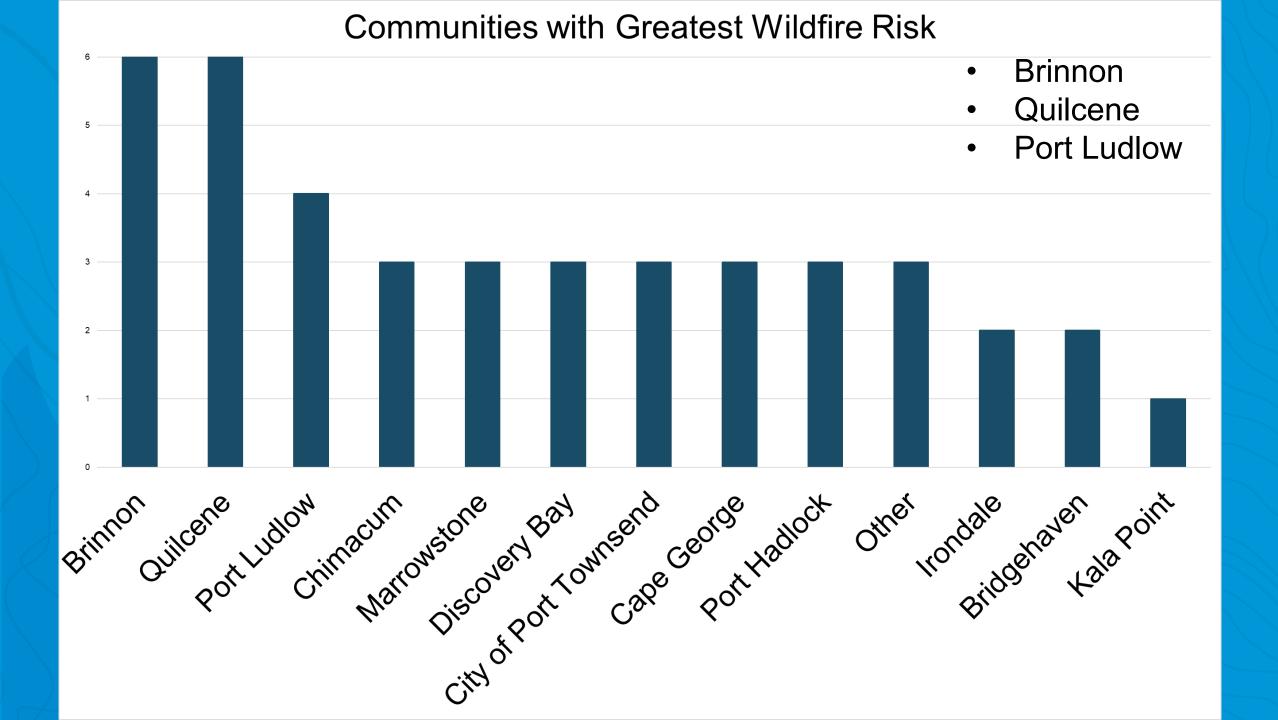


Wildfire concerns and priorities

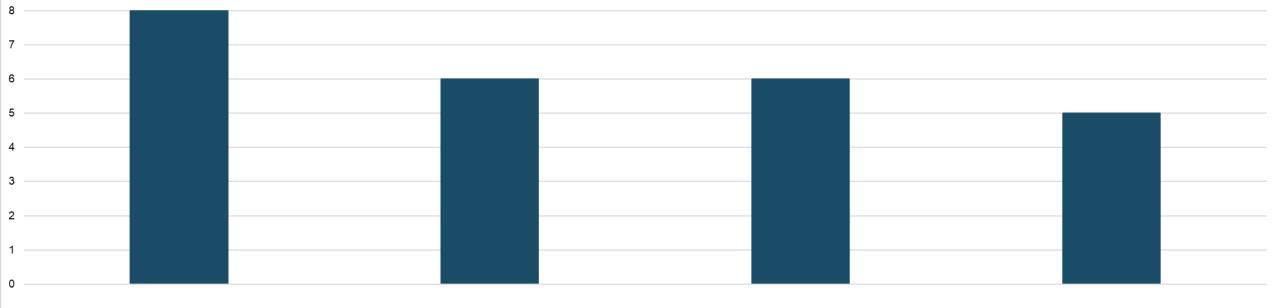


13 responses





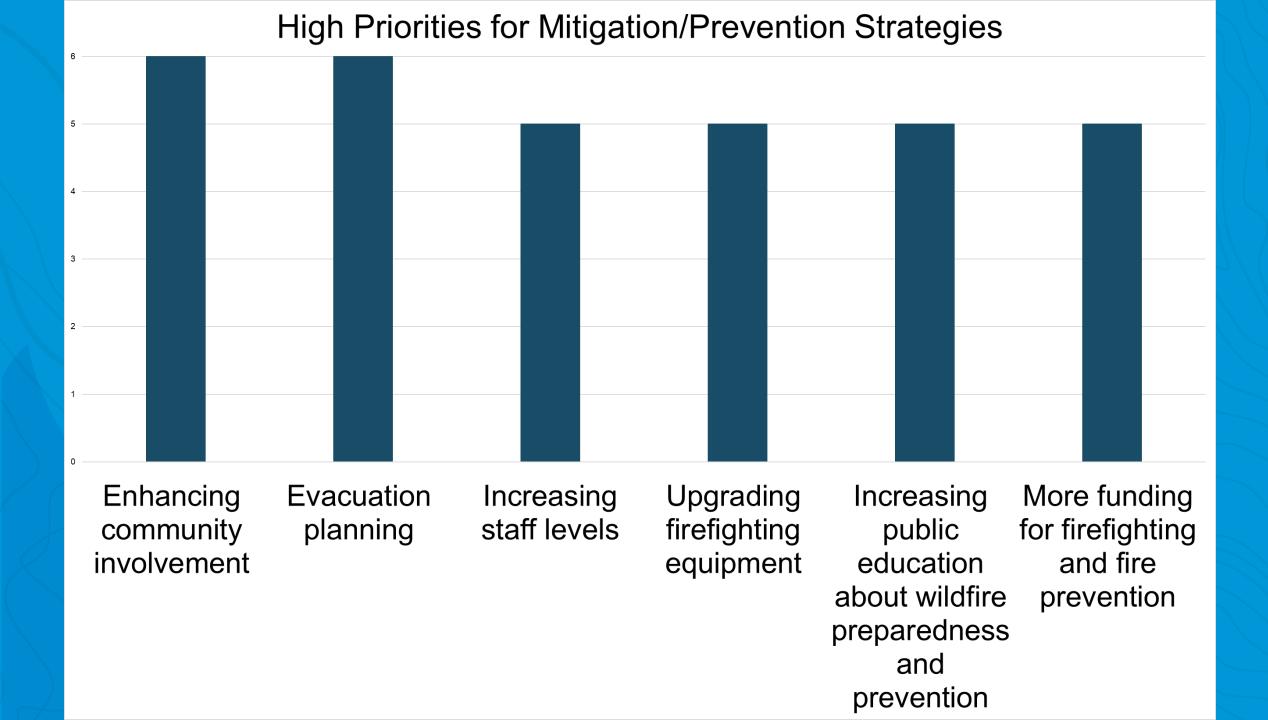
Extreme Concerns Regarding Wildfire Safety and Preparedness



Personnel (adequate staffing)

Firefighting equipment (trucks, water tenders, pumps, etc.) Human ignitions

Ingress and egress routes (accessibility)



LET'S HEAR FROM YOU

- What are your big concerns?
- What is on your wish list for projects?
- What is working currently?
- What is not working?
- How do you hope to use this plan?







OUTLINE: MAIN DOCUMENT

- Aligned with the National Cohesive Wildfire Management Strategy
 - Resilient Landscapes
 - Fire Adapted Communities
 - Safe and Effective Wildfire Response
- Main document outline
 - Chapter 1 Introduction
 - Chapter 2 Fire Environment
 - Chapter 3 WUI Risk Hazard Assessment
 - Chapter 4 Mitigation Strategies
 - Chapter 5 Monitoring and Evaluation

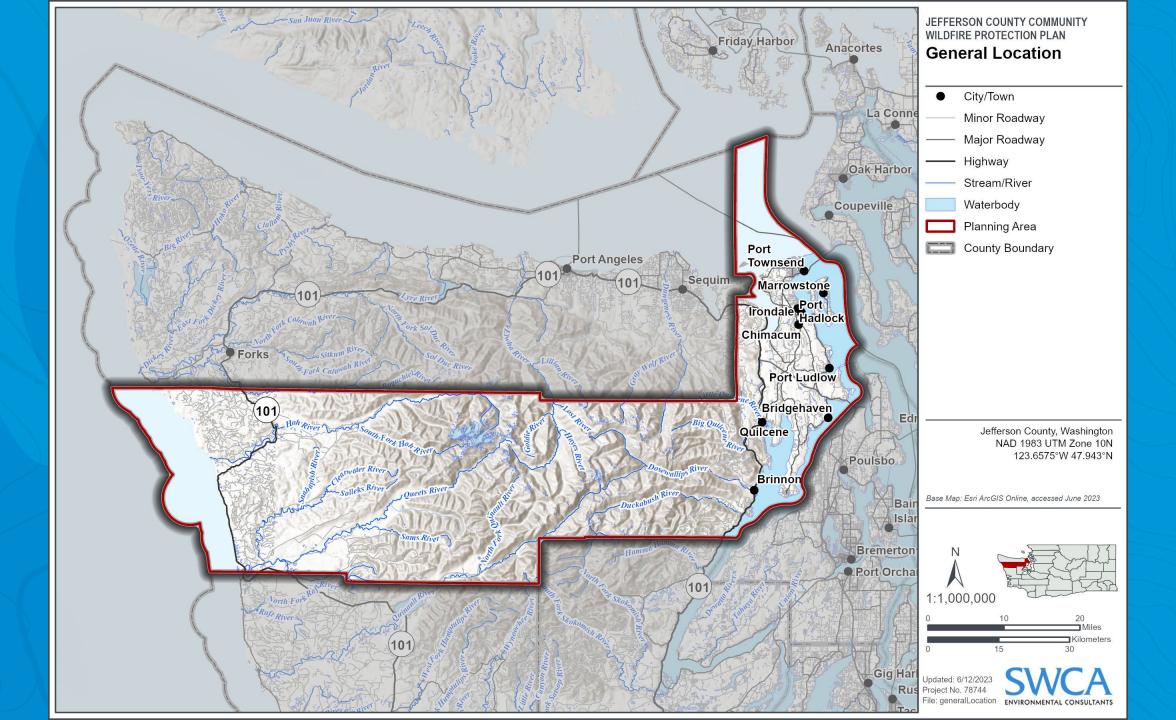


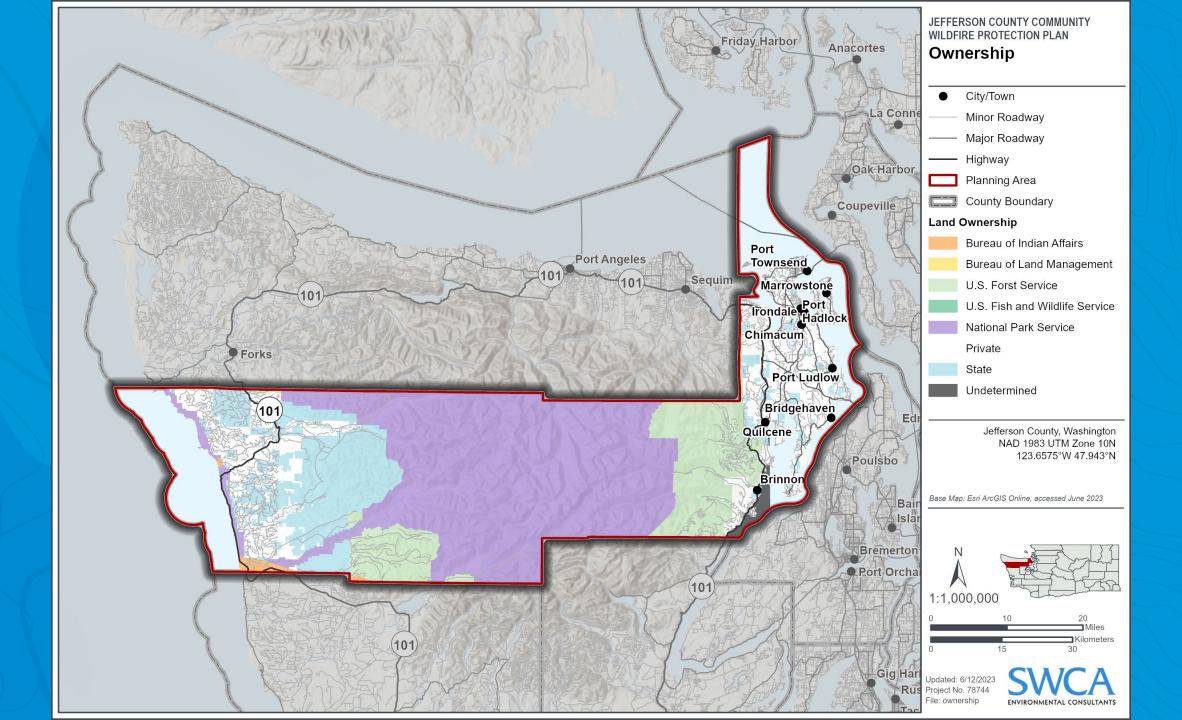
OUTLINE: APPENDICES

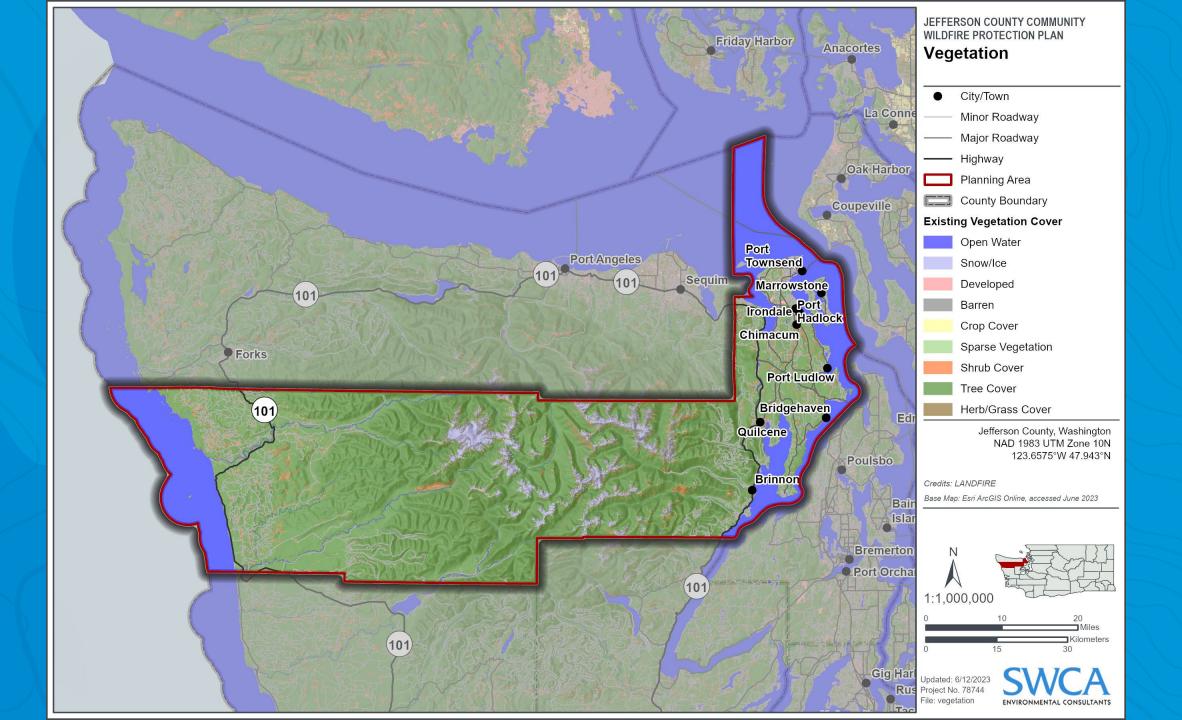
- Appendix document outline
 - Appendix A CWPP Plan Alignment
 - Appendix B Supporting Maps
 - Appendix C Community Risk-Hazard
 Assessments for WUI Communities
 - Appendix D Forms
 - Appendix E Funding Sources
 - Appendix F Homeowner Resources
 - Appendix G Community Outreach and Educational Programs
 - Appendix H Fuel Treatment Types and Methods
 - Appendix I Post-Fire Response and Restoration

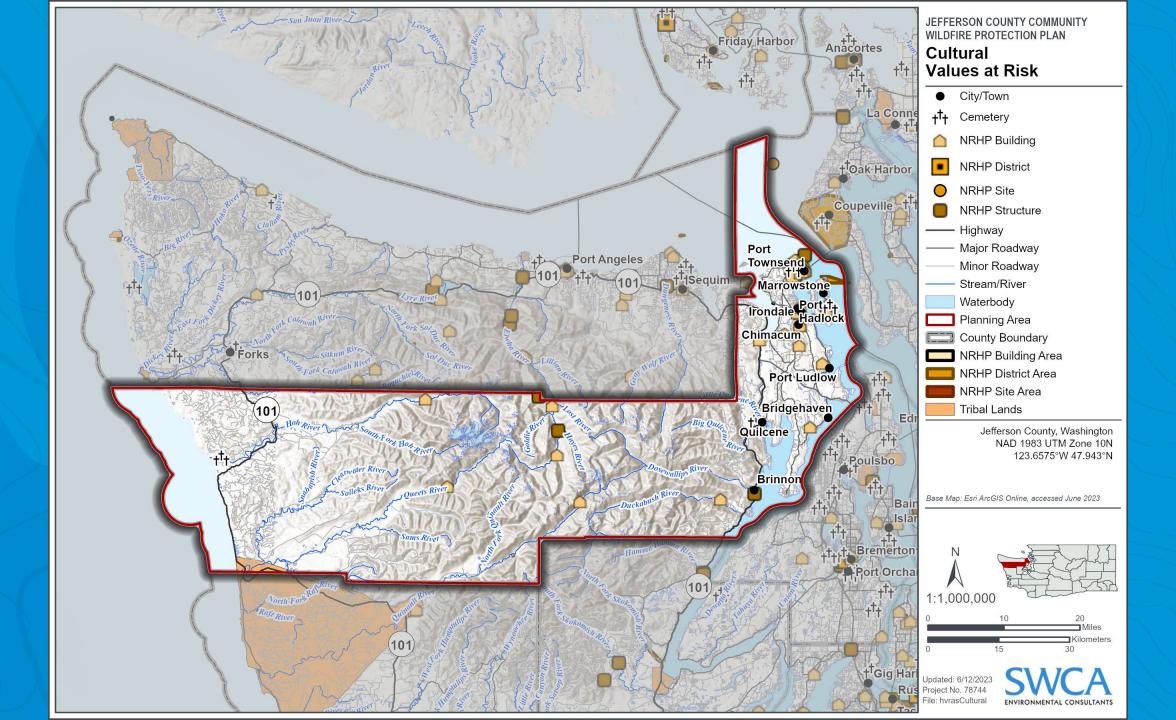
WEBMAP OF BASE MAPS

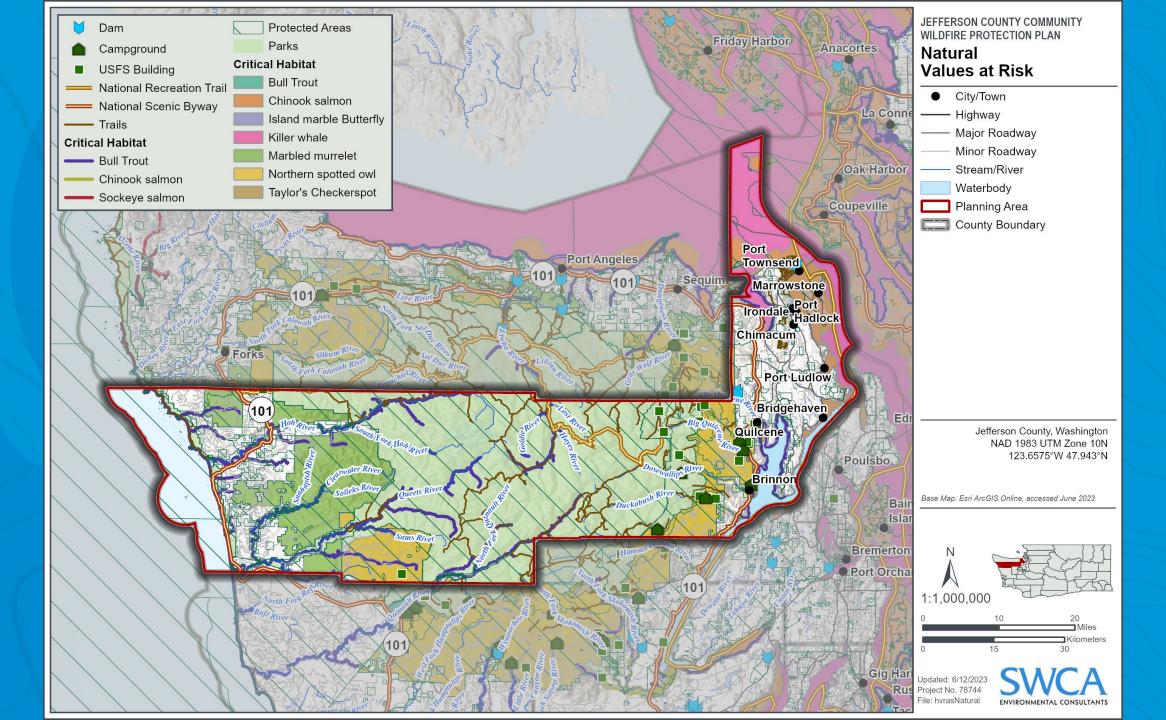


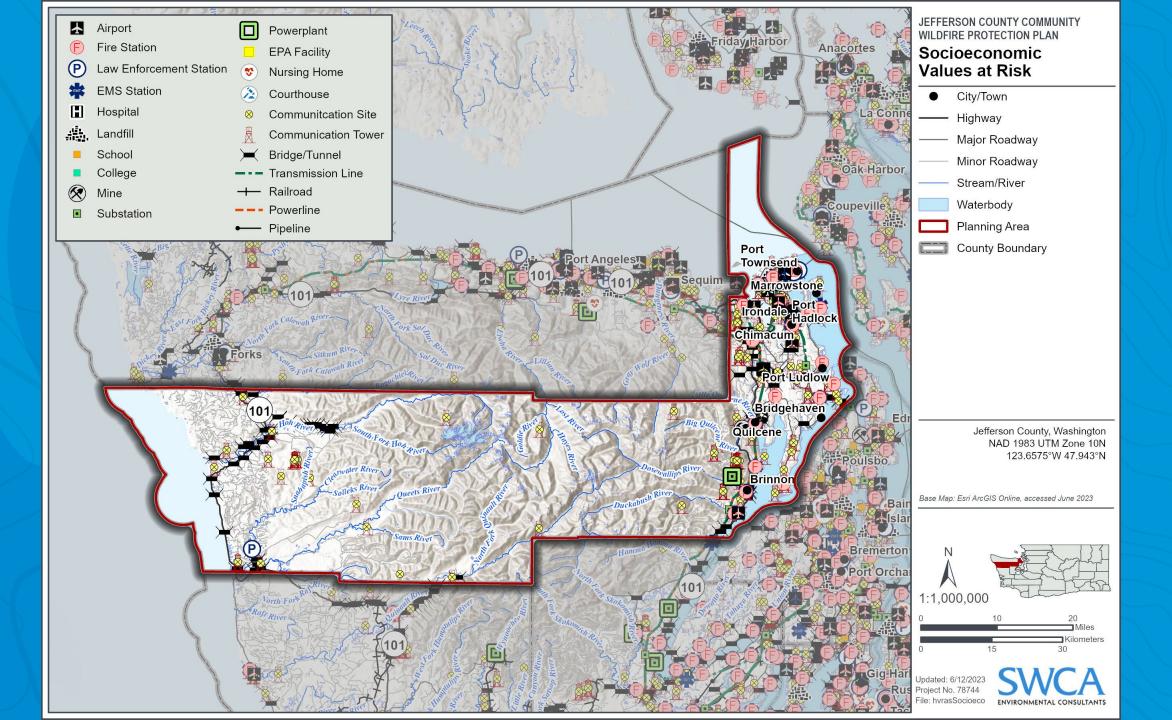


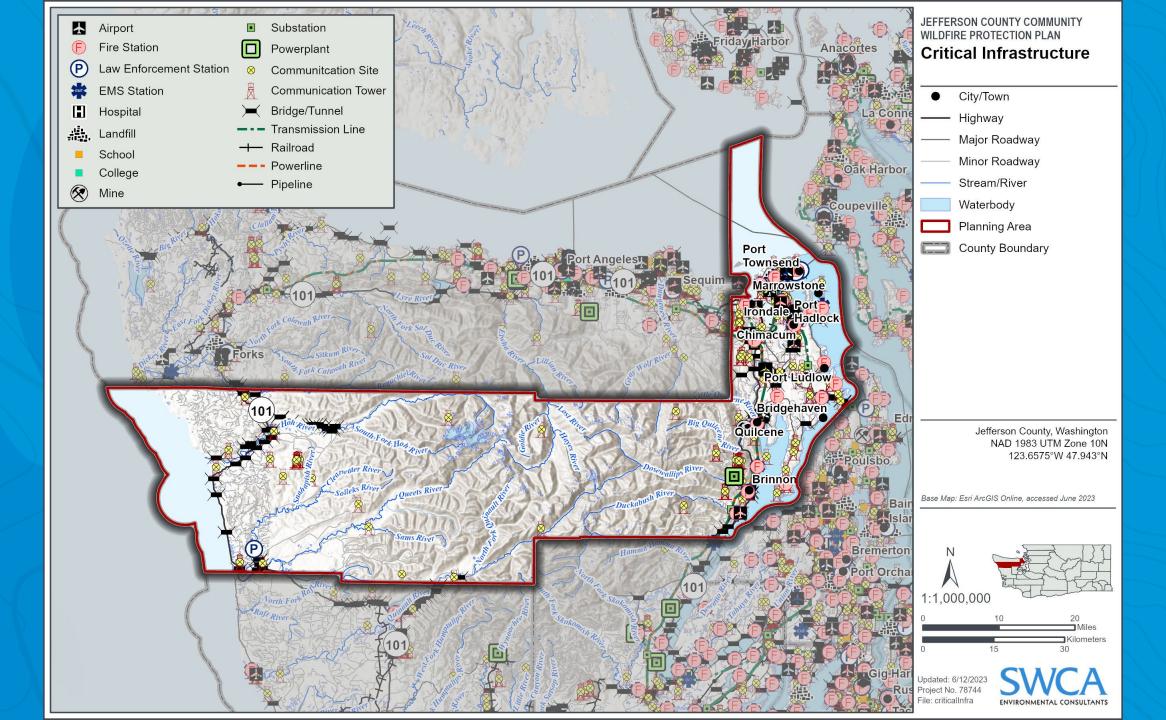


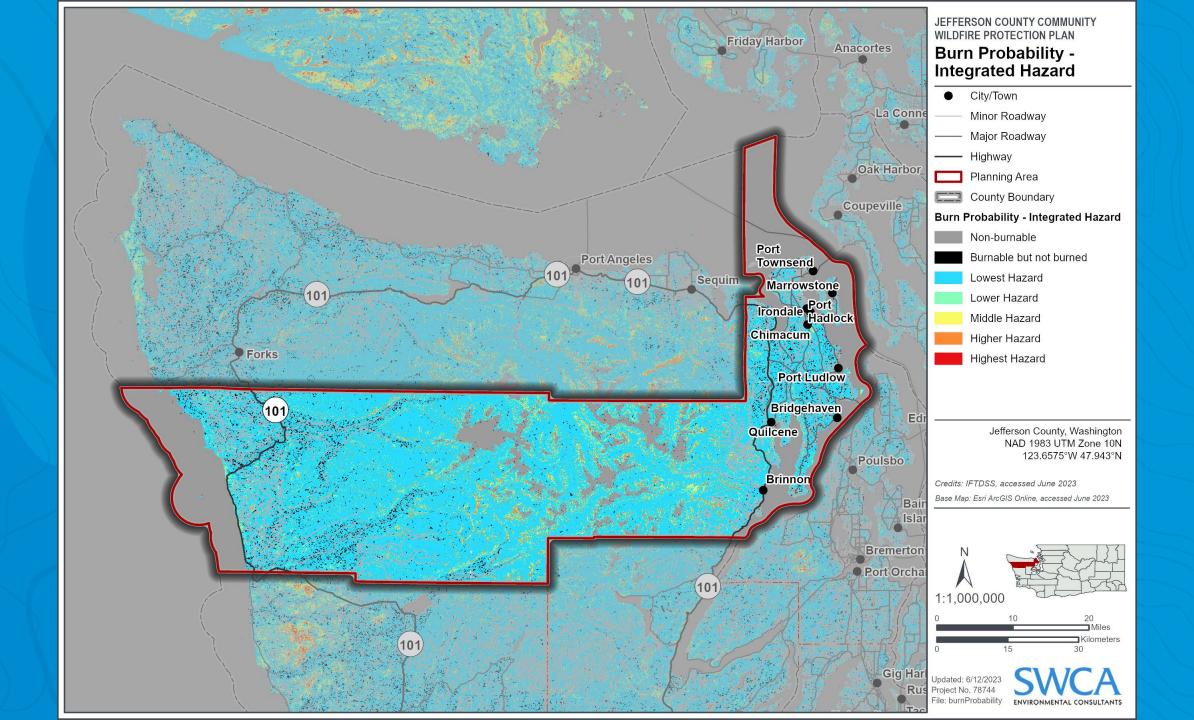


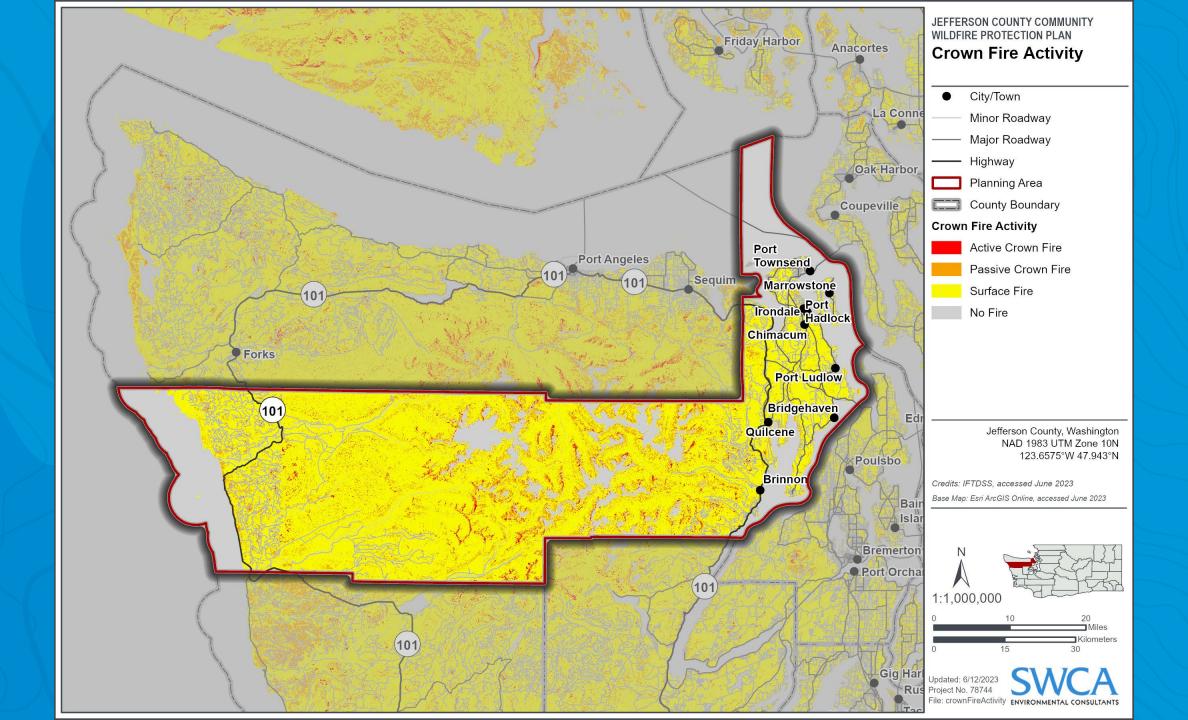


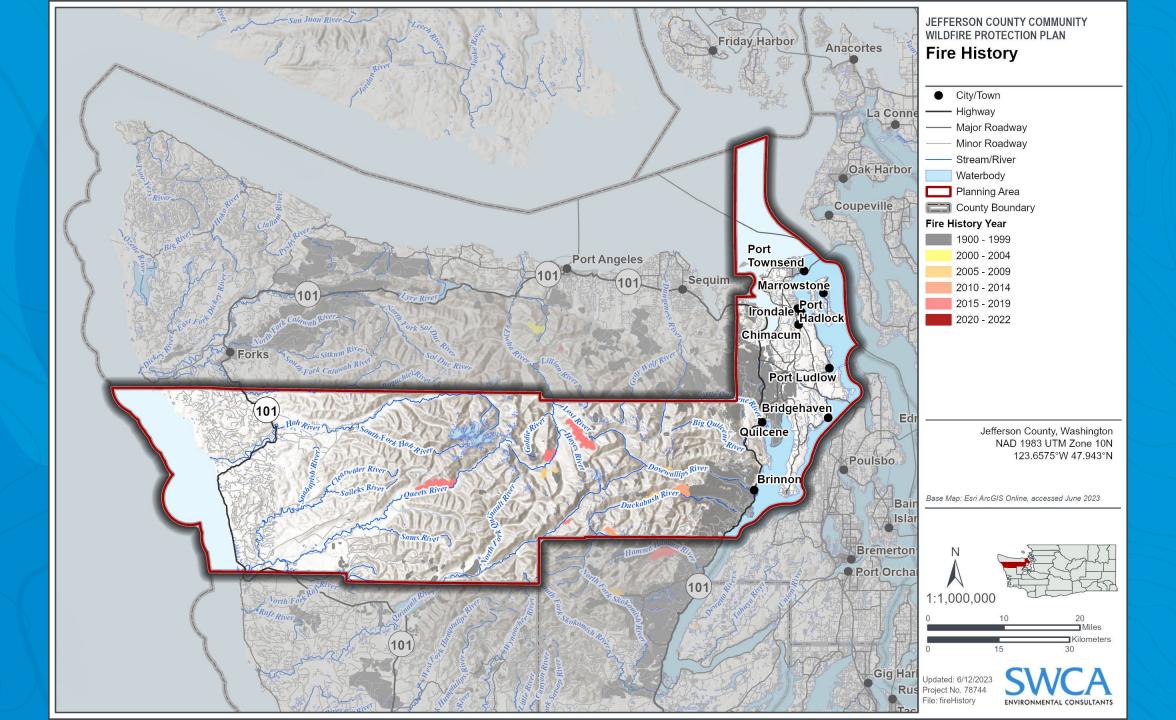


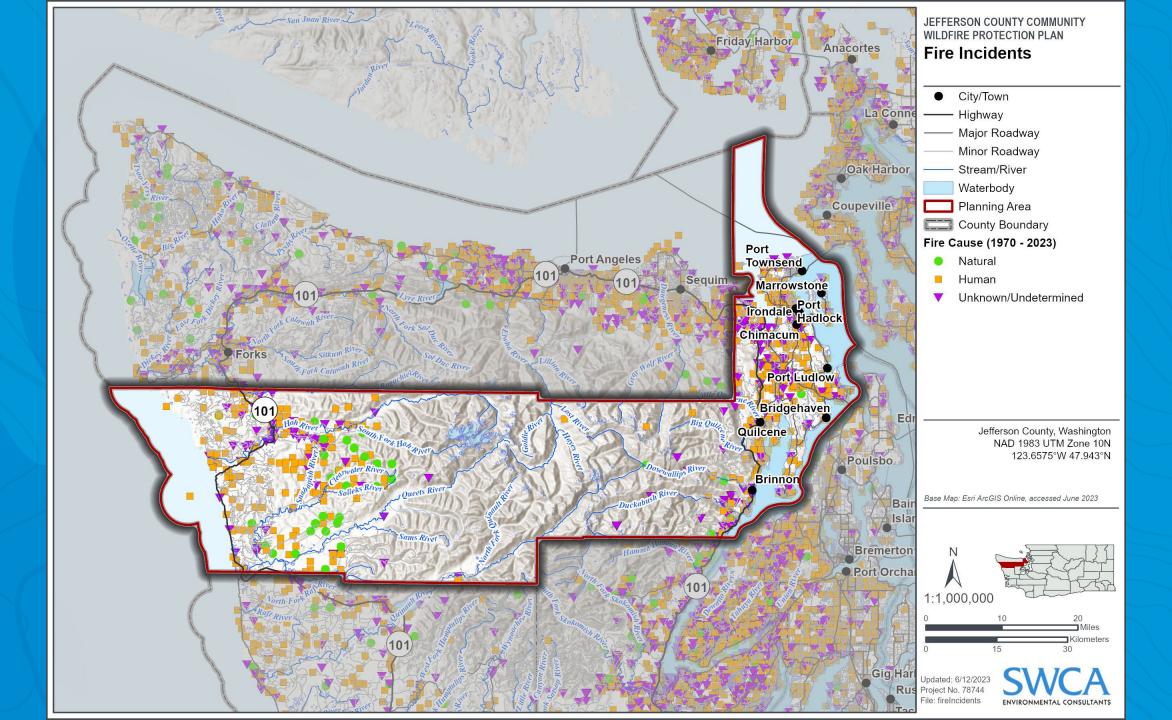


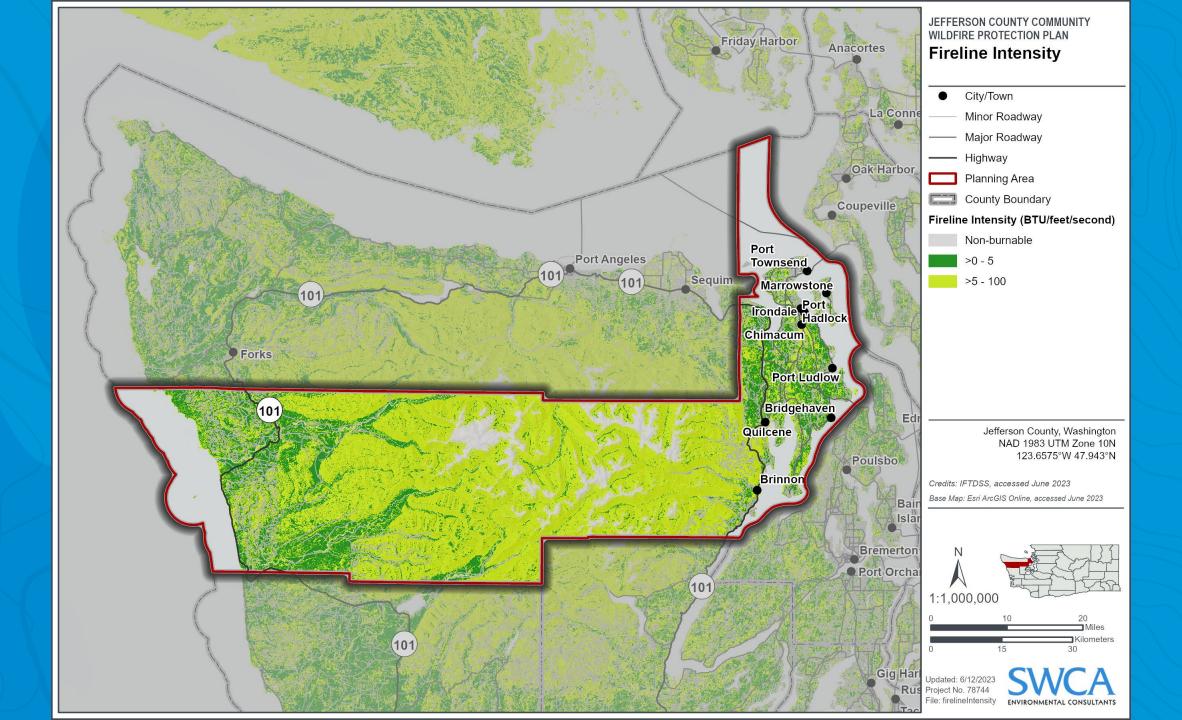


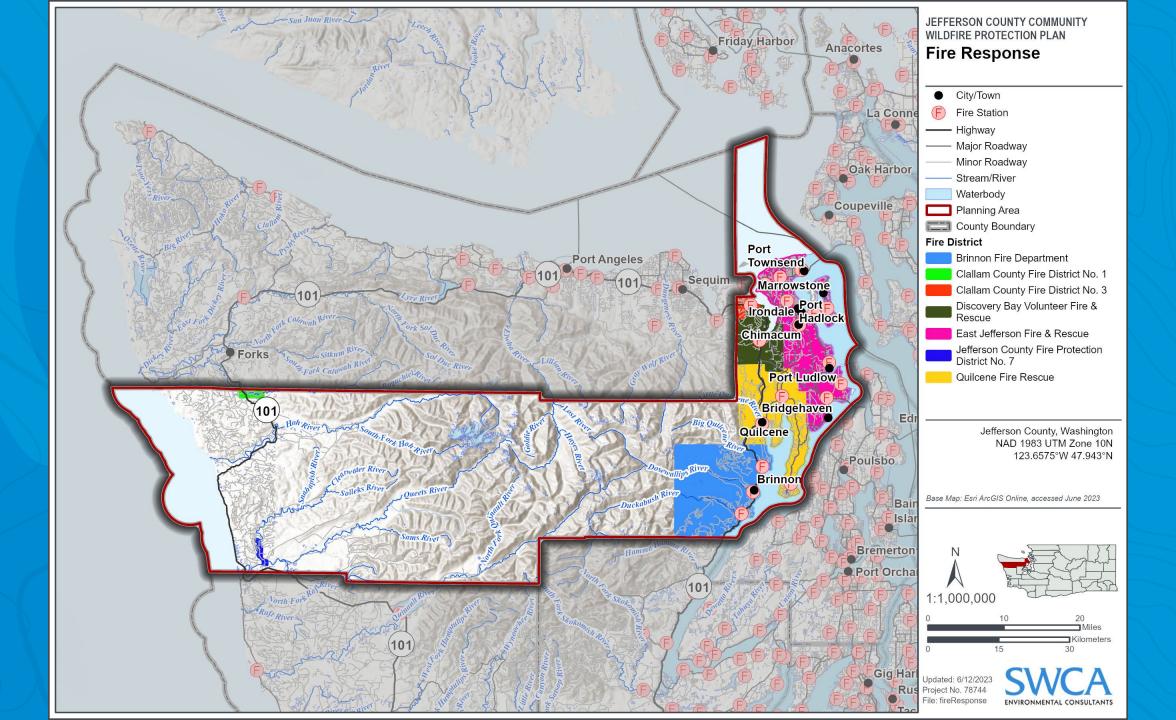


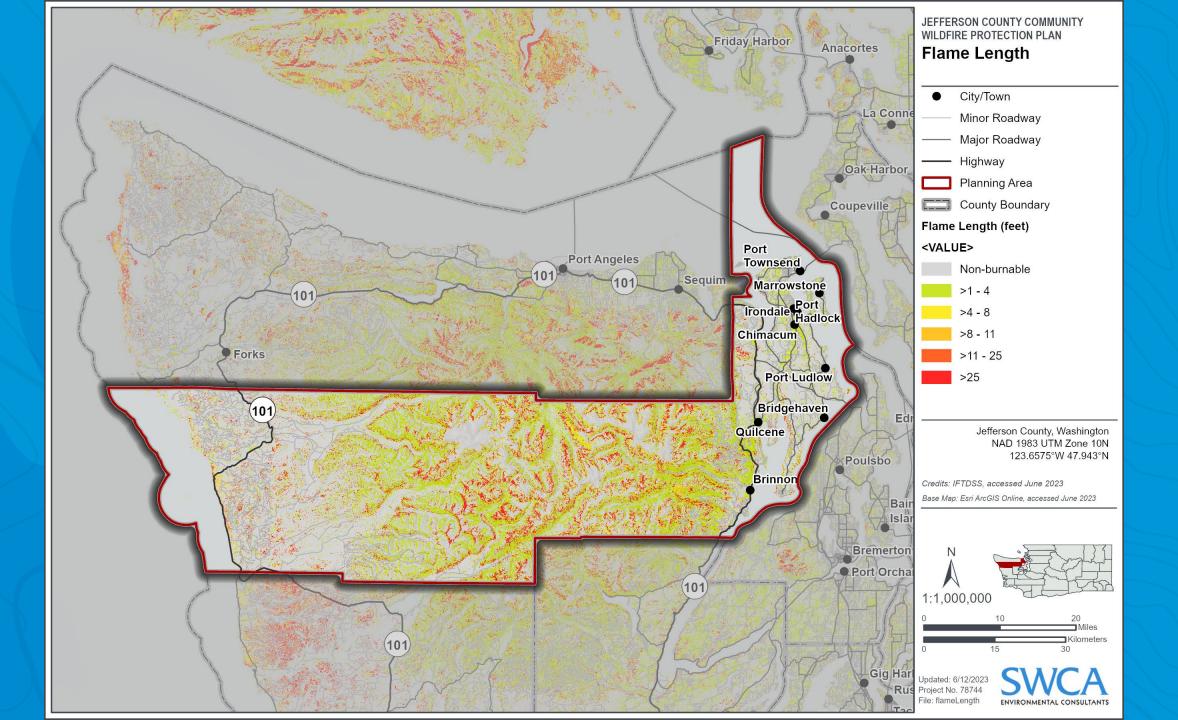


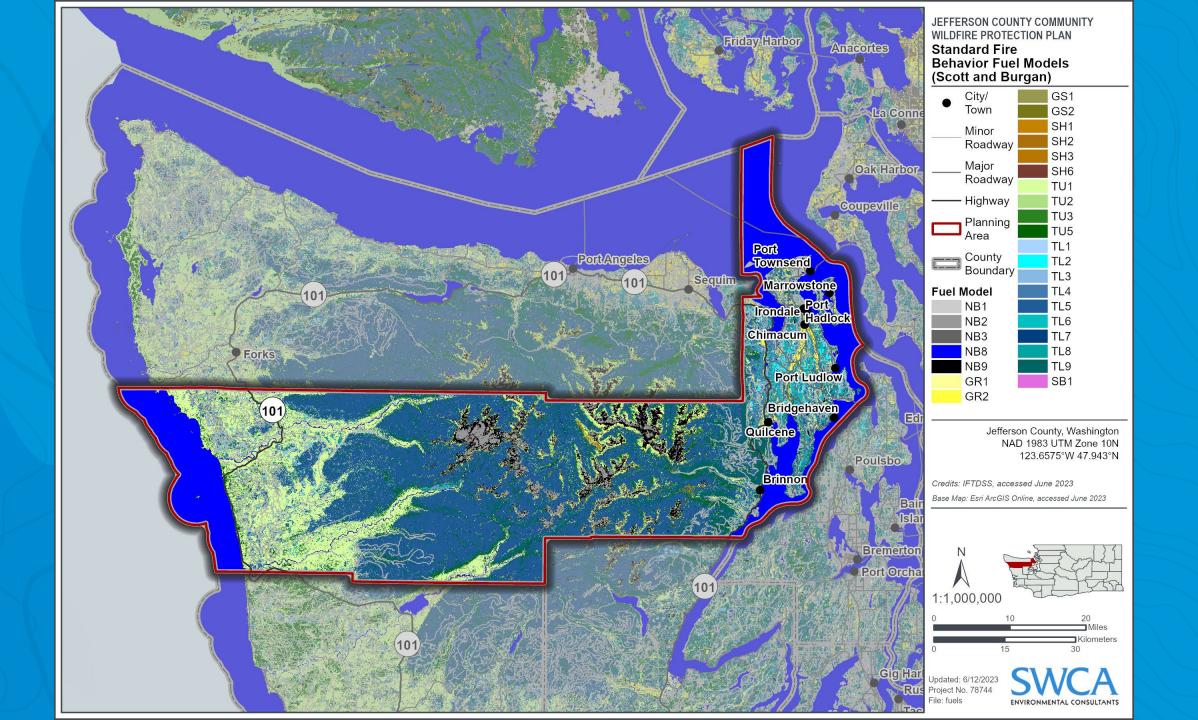


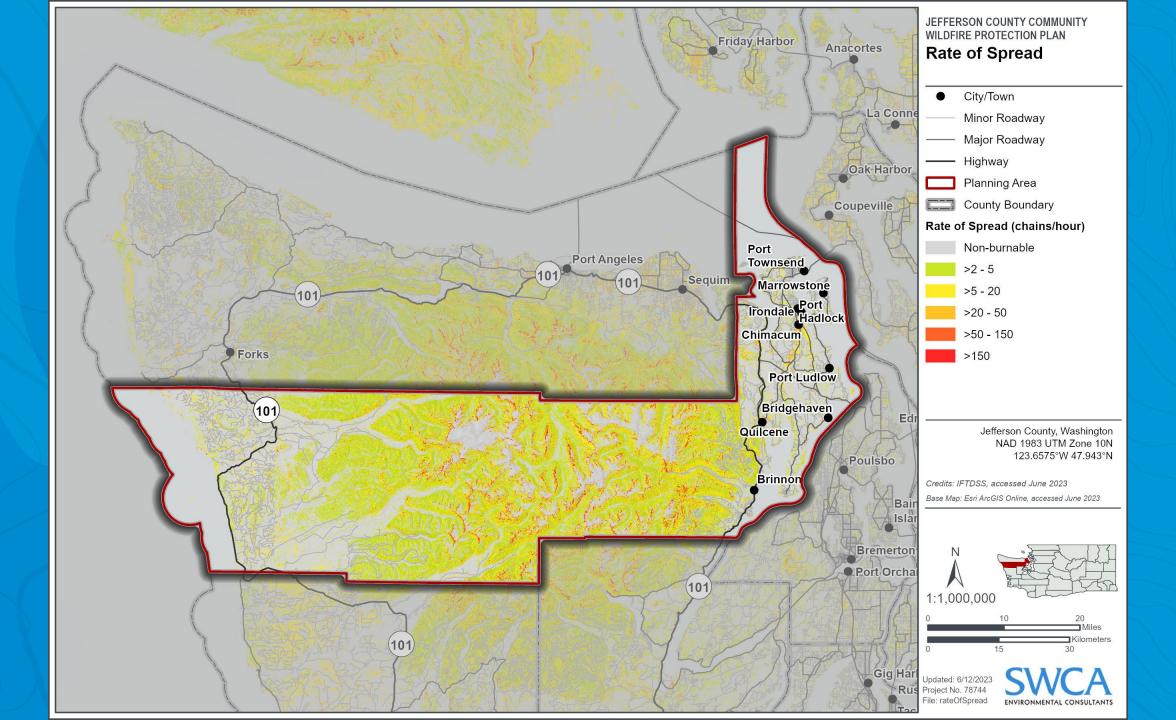












DATA NEEDS

Spatial Data (shapefiles)

- Water suppression sources
- Existing evacuation zones/routes
- Fuel treatment data
- Fire history data

Documents

- Fuels plans
- Fire management plans
- Emergency operations plans
- Hazard mitigation planning



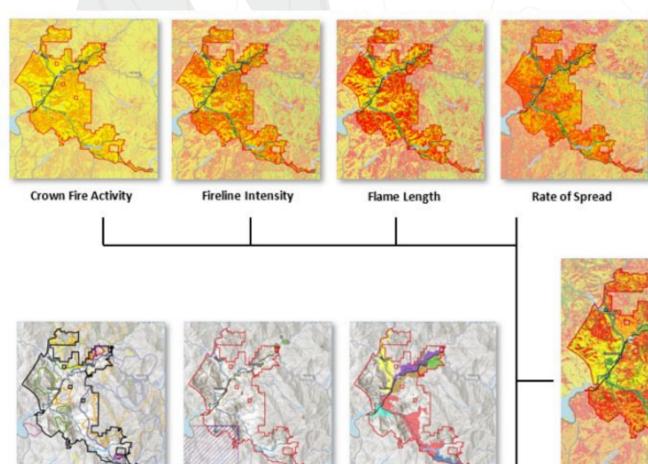
COMMUNITY RISK AND HAZARD ASSESSMENT

Desktop Assessments

- Wildfire hazards analysis fire behavior modeling
 - o Inputs: fuels, weather, topography
 - o Outputs: flame length, rate of spread, crown fire potential, burn probability
- Fuels analysis
- Fire history
- Fire response
 - Suppression Difficulty Index
 - Potential Control Lines



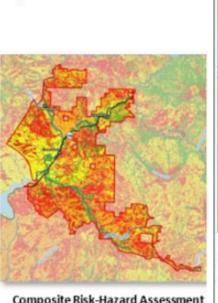
COMPOSITE RISK-HAZARD EXAMPLE



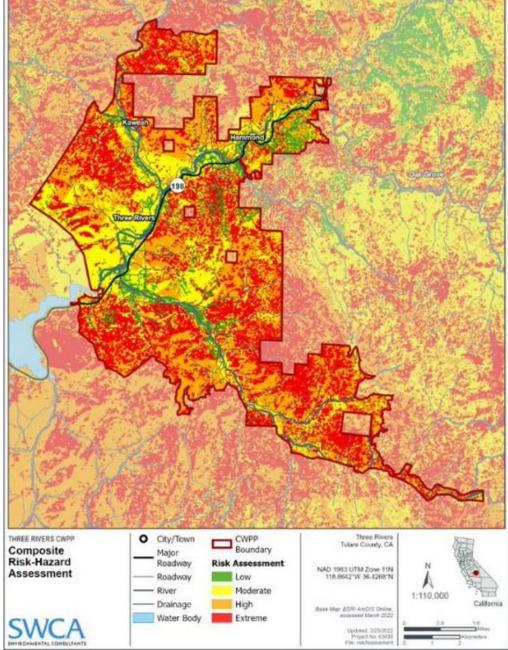
Wildland Urban Interface

High Values at Risk

Fire History



Composite Risk-Hazard Assessment



COMMUNITY RISK AND HAZARD ASSESSMENT

On-the-ground Assessments

- Late summer—fall 2023
- Fuels ground-truthing/calibration
- National Fire Protection Association 1144 assessments windshield survey
 - o Ingress/egress, construction materials, defensible space, water access, etc.
 - o Community risk ratings: low, moderate, high, and extreme risk



NATIONAL FIRE PROTECTION ASSOCIATION 1144 STRUCTURAL IGNITABILITY

1144 NATIONAL FIRE PROTECTION ASSOCIATION ASSESSMENT FORM

SWCA – 1144 NFPA As	SWCA – 1144 NFPA Assessment						
Community		Notes:					
Surveyor							
Survey Date/Time							
Means of Access	Means of Access						
Ingress and Egress	Ingress and Egress						
2 or more roads in and o	out score 0						
1 road in and out 7							
Road Width							
> 24 ft 0							
> 20 ft < 24 ft 2							
< 20 ft 4							
Road Conditions							
Surfaced road, grade < 5	5% 0						
Surfaced road, grade > 5	5% 2						
Non-surfaced road, grad	le < 5% 2						
Non-surfaced road, grad	le > 5% 5						
Other than all season 7	,						
Fire Access							
< 300 ft with turnaround	0						
> 300 ft with turnaround	2						
< 300 ft with no turnarou	ind 4						
> 300 ft with no turnaround 5							
Street Signs							
Present – reflective 0							
Present – non-reflective	2						
Not present 5							
Notes:							
Vegetation (Fuel Mode	ls)	and the second second					
Predominant Vegetation	•						
Primary Predominant Ve							
Non-Burnable (NB) Scor	-						
Grass (GR) Score I 5	~ -						
/							

Roofing Assembly				
Roofing				
Class A - metal roof, clay/concrete tiles, slate, asphalt shingles 0				
Class B - pressure treated composite shakes and shingles 3				
Class C - untreated wood shingle, plywood, particle board 15				
Unrated - Extremely poor roofing conditions 25				
Notes:				
Building Construction				
Siding Materials (predominant)				
Non-combustible (brick/concrete) 5				
Fire Resistive (stucco/adobe) 10				
Combustible (wood or vinyl) 12				
Deck and fencing (predominant)				
No deck or fence/non-combustible 0				
Combustible deck and fence 5				
Building Set-Back				
> 30 ft to slope 1				
< 30 ft to slope 5				
Notes:				
Available Fire Protection				
Available Fire Protection Water Sources				
Water Sources				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3 Organized Response				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3 Organized Response Station < 5 mi from community 1				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3 Organized Response Station < 5 mi from community 1 Station > 5 mi from community 3				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3 Organized Response Station < 5 mi from community 1				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3 Organized Response Station < 5 mi from community 1 Station > 5 mi from community 3				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3 Organized Response Station < 5 mi from community 1 Station > 5 mi from community 3				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3 Organized Response Station < 5 mi from community 1 Station > 5 mi from community 3 Notes:				
Water Sources Water Source? yes/no Water Source Type hydrant, water tank, other Other Water Source Water Source Score Hydrant = 1 Water Tank = 3 Organized Response Station < 5 ml from community 1 Station > 5 ml from community 3 Notes:				

PROJECT RECOMMENDATION MATRIX EXAMPLE

PROJECT DESCRIPTION	LOCATION	LAND OWNERSHIP	METHOD AND GOAL	TIMELINE	RESOURCES/FUNDING	PRIORITY
for post-fire response. • Aligns with State Forest Action Plan Sub- strategy 2.1.3 and Hazard	Countywide, focusing on areas that scored a risk rating of 70 and higher first. Includes: Community A, C, F, J, R, and P.	County, municipal, governments; utility providers; and water providers.	 Review the Post-Fire Response and Rehabilitation section (Chapter 4) for post-fire planning and actions. Develop and/or familiarize yourself with Burned Area Emergency Rehabilitation protocols. Establish guidelines for county, 	Spring 2021	FEMACounty Hazard MitigationEmergency Managers	High
Mitigation Plan Strategy 4.3.			municipalities, utility providers, and water providers that details the steps required in the event of a fire to better prepare for post-fire response.			
			 Establish relationships with agencies responsible for post- fire response before the fire. 			
			 Initiate annual mock exercise utilizing SimTable. Build into County Emergency 			
			Operations Plan and Annual Operations Plan during next revision.			



PUBLIC OUTREACH

Online/virtual:

Community survey (hosted on hub site)

Social media

Flyer + press release

Public meetings

Public review of draft CWPP



HUB SITE



Interactive risk analysis mapping



Public outreach



Community risk ratings



Project recommendations and mitigation measures



CLOSING REMARKS REGARDING NEXT STEPS AND ACTIONS



Data needs



Risk assessment



Actions





THANK YOU!

Questions and Comments

Emily Geery egeery@swca.com (307) 673-4303

Vicky Amato vamato@swca.com

Michaela Bartosh michaela.bartosh@swca.com