

APPENDIX A. ACRONYMS

Acronym	Definition
AIDS	Autoimmune Deficiency Syndrome
BAER	Burned Area Emergency Response
BFE	Base Flood Elevations
BOCC	Board of County Commissioners
BRIC	Building Resilient Infrastructure and Communities
CBRN	Chemical, Biological, Radiological, and Nuclear
CDC	Centers for Disease Control
CEMP	Comprehensive Emergency Management Plan
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERT	Community Emergency Response Team
CFHMP	Comprehensive Flood Hazard Management Plan
CFR	Code of Federal Regulations
CGS	Columbia Generating Station
CID	Community Identifier
CNG	Compressed Natural Gas
COG	Continuity of Government
COOP	Continuity of Operations
CRS	Community Rating System
CSZ	Cascadia Subduction Zone
CWPP	Community Wildfire Protection Plan
DHS	Department of Homeland Security
DNR	Department of Natural Resources
DOE	Department of Energy
DOL	Department of Licensing
DOT	Department of Transportation
EAP	Emergency Action Plan
EMD	Emergency Management Department
EMS	Emergency Medical Services
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right to Know Act
ESD	Education Service District
EV	Electric Vehicle
FCZD	Flood Control Zone District
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Maps
FMA	Flood Mitigation Assistance
FRCC	Fire Regime Condition Class

Acronym	Definition
FTA	Federal Transportation Authority
GDP	Gross Domestic Product
GIS	Geographic Information Systems
HIV	Human Immunodeficiency Virus
HMGP	Hazard Mitigation Grant Program
HMP	Hazard Mitigation Plan
IBC	International Building Code
IIJA	Infrastructure Investment and Jobs Act
IT	Information Technology
LEPC	Local Emergency Planning Committee
MJHMP	Multi-Jurisdictional Hazard Mitigation Plan
MMI	Modified Mercalli Intensity
MPH	Miles per hour
NE	Northeast
NFIP	National Flood Insurance Program
NID	National Inventory of Dams
NOAA	National Oceanic & Atmospheric Administration
NW	Northwest
NWS	National Weather Service
ODA	Office of Disaster Assistance (SBA)
OR	Oregon
OSHA	Occupational Safety and Health Administration
PA	Public Assistance
PDM	Pre-Disaster Mitigation
PNP	Private Nonprofit
RCRA	Resource Conservation and Recovery Act
RCW	Revised Code of Washington
RFC	Repetitive Flood Claims
SBA	Small Business Administration
SE	Southeast
SPC	Storm Prediction Center
SVI	Social Vulnerability Index
SW	Southwest
TB	Tuberculosis
UGA	Urban Growth Area
URM	Unreinforced Masonry
US	United States
USDA	U.S. Department of Agriculture
USDM	U.S. Drought Monitor

Acronym	Definition
USDOT	U.S. Department of Transportation
USGS	U.S. Geological Survey
VEI	Volcanic Explosivity Index
WSDOT	Washington State Department of Transportation
WSU	Washington State University
WUI	Wildland-Urban Interface
YCOG	Yakima Council of Governments
YVEM	Yakima Valley Emergency Management

APPENDIX B. PLANNING PROCESS AND PUBLIC INVOLVEMENT

This appendix provides detailed supporting documentation and evidence of the six-month plan update process for the 2022 Yakima County Multi-Jurisdictional Hazard Mitigation Plan (HMP). Documentation includes efforts to engage the public in plan review (press releases, social media posts, website information, etc.) as well as engagement from planning committee members (meeting attendance, etc.)

Community Preparedness Survey

The Community Preparedness Survey was distributed in both English and Spanish for more than four months. Distribution included two press releases, email distribution through the Yakima County Commissioners listserv, posting to the Yakima Valley Emergency Management (YVEM), Yakima County, and City of Yakima websites, and posting to social media (Facebook). Screenshots of this distribution are included below.



City of Yakima

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Disaster Preparedness Survey

By City of Yakima
April 13, 2022

You are invited to take a [Community Disaster Preparedness Survey](#). This survey will help a Yakima County planning committee understand your experiences with disasters, potential impacts and the current preparedness of your household and the community as a whole.

The survey should only take about 5-7 minutes to complete. Your input will help Yakima Valley Emergency Management better serve our community members. You can access the survey at <https://survey.alchemer.com/s3/6797381/Yakima-County-Mitigation>.

Yakima County is currently updating its Multi-Jurisdictional Hazard Mitigation Plan (HMP). The HMP will help communities prevent significant property damage and loss of life in the event of a disaster. An important element of the HMP is community feedback, such as the Disaster Preparedness Survey.

The HMP is required by the Federal Emergency Management Agency (FEMA) every five years for our community to be eligible for certain types of grant funding. You can visit this page for project updates and ways that community members can influence plan development.





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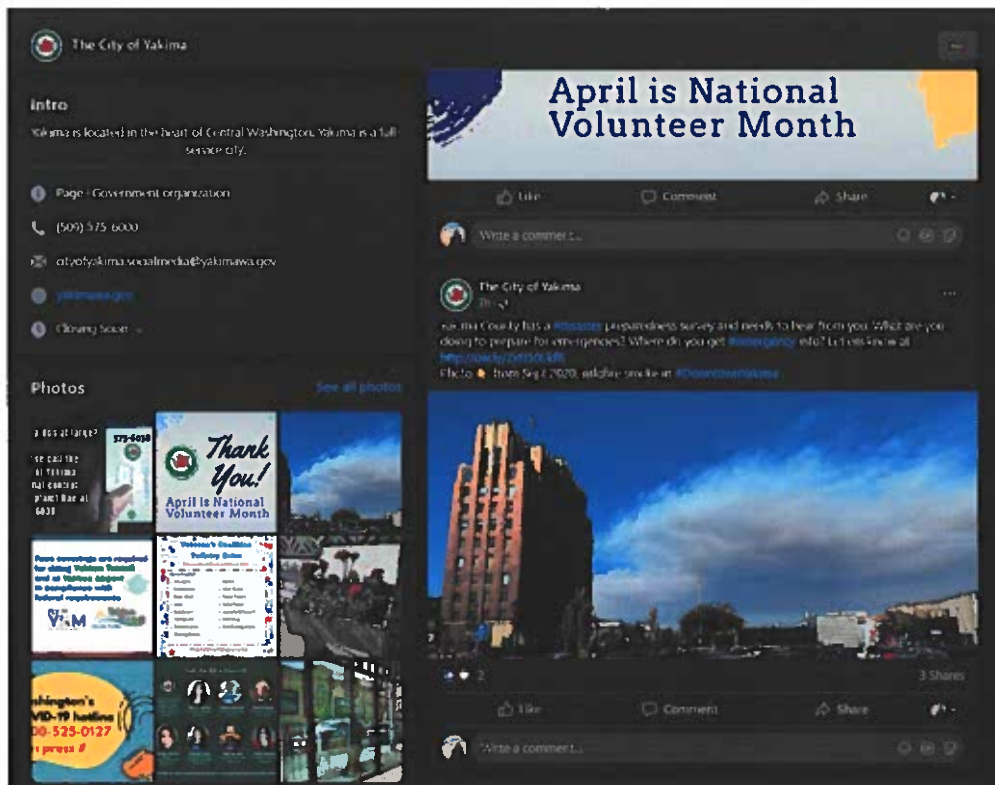
Disaster Preparedness Survey

Yakima County is updating its hazard mitigation plan and encourages your participation in a disaster preparedness survey. Click "Read More" for details about the plan and a link to the survey.
[Read More >>](#)



Windows Alive! Downtown Yakima Art

A new Windows Alive! art exhibit can be seen now in various storefronts in Downtown Yakima. Click "Read More" for more about this unique project led by the Yakima Arts Commission.
[Read More >>](#)





**YAKIMA
COMMUNITY**

Emergency Management

Groundwater Manag

Resources ▶

Training Resources ▶

Volunteer! ▶

YVEM Subscriptions

¡TOME LA ENCUESTA SOBRE
LA PREPARACION PARA
DESASTRES EN LA
COMUNIDAD DEL CONDADO
DE YAKIMA!



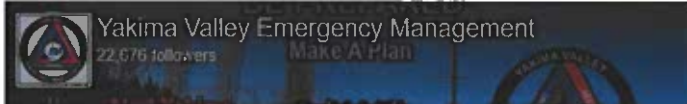
▶ NOTIFICATION SIGN UP

[Graphical Weather Update](#) (NWS Pendleton)

FEMA's [Frequently Asked Questions](#) on Wireless Emergency Alerts (WEA)

For more disaster updates follow us on [Facebook](#) or [Twitter](#)

[Public Disclosure Request](#)



Public Meetings

The planning team hosted two public meetings for the HMP plan update process, one at the beginning of the process and one during the final plan review period. The kick-off public meeting in April 2022 was a hybrid, in-person and virtual opportunity, while the final meeting in August was virtual only. Public meeting information was distributed through YVEM, Yakima County and City of Yakima websites, social media, press releases to the Yakima Herald and YakTri News, and through various listservs. Screenshots of this distribution are included below.

Event	Date/Time	Location	Call in Number	Conference ID
Executive Board Meeting	February 16th, 2022 09:30am	2403 S 18th St, Union Gap, WA OEM Training Room	(206) 485-3656	557055931#
Hazard Mitigation Meeting for Public Comment (In-person or virtual)	April 11th, 2022 06:30pm-08:30pm	2403 S 18th St, Union Gap, WA OEM Training Room	(650) 419-1505	573869433

Commissioners at the city councils for each participating municipality. Every year, the planning team will meet to monitor and report on progress on identified mitigation actions. In 2022, the plan will be completely reviewed and updated, continuing on a five-year cycle. Continued implementation of mitigation actions will help us steadily reduce the risks posed by hazards to our community.

Public Involvement

Residents and community stakeholders will be regularly engaged in the hazard mitigation planning process. Key roles for members of the public include:

- Shape the mitigation goals that guide the focus of the entire plan.
- Inform priority community assets and vulnerable groups.
- Prioritize mitigation actions for the community to implement over the life of the plan.

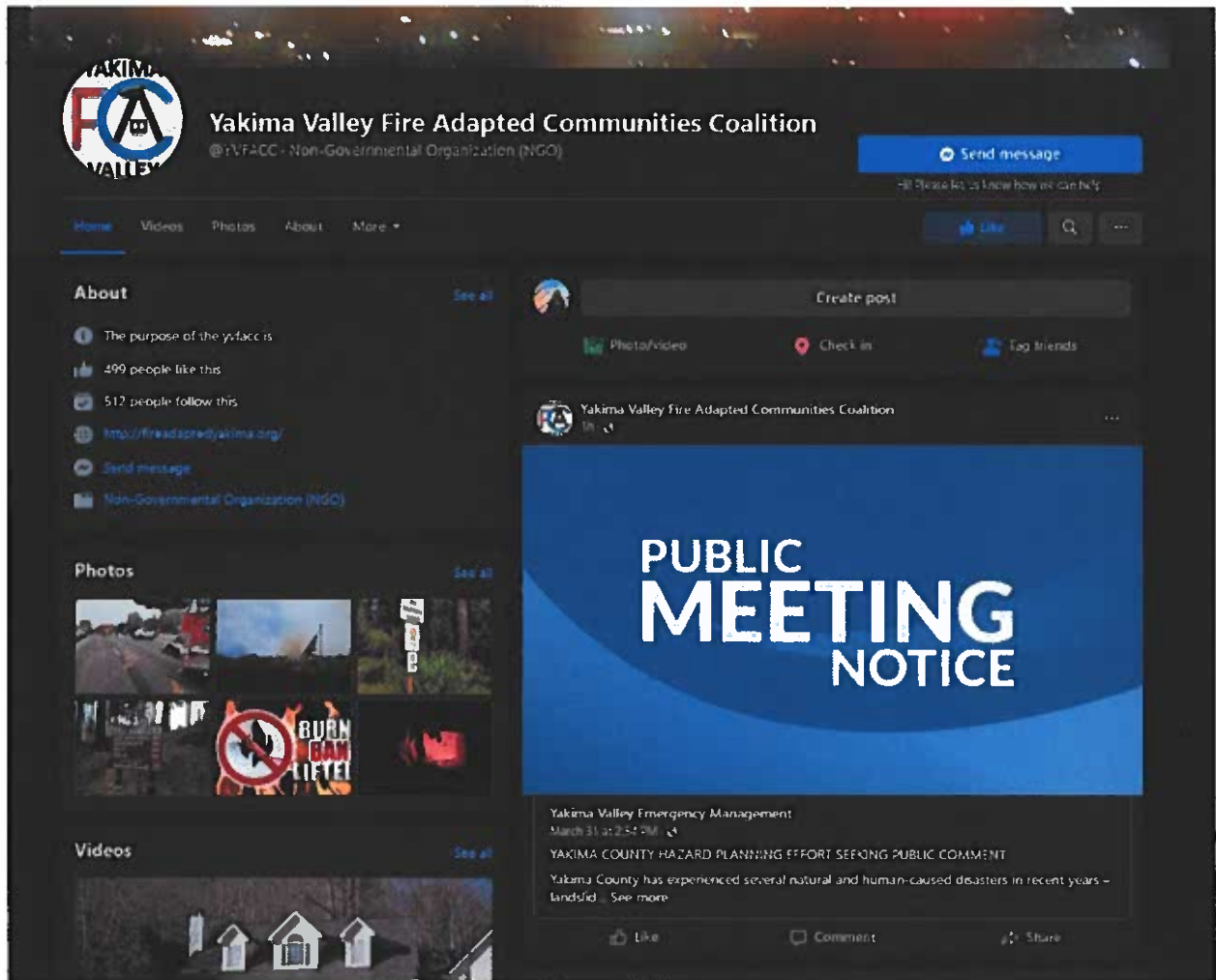
You can submit a public comment at any time during the planning process by emailing Leah Rausch at leah.rausch@yvc.org.

We also ask that residents join the following public meetings to provide feedback and comment:

Public meeting on Monday, April 11 from 6:30 - 8:00 PM

To participate in-person, join us at the Yakima Valley Emergency Management Offices, 2403 S 18th St, Union Gap, WA (OEM Training Room).

To participate virtually, use the meeting information below. Using your computer: <https://vringcentral.com/join/573869433> By Phone: (650) 419-1505 Access Code / Meeting ID: 573869433



SEVERE WEATHER ⚠ Winter Weather Advisory (Moderate) - Washington: East S

Yakima County needs input on hazard mitigation plan

Posted: April 7, 2022 4:29 PM

by Emily Goodell



12A • WEDNESDAY, APRIL 6, 2022

YAKIMA HERALD-REPUBLIC • YAKIMAHERALD.COM

Legals

Public Notices

BOARD OF YAKIMA COUNTY COMMISSIONERS NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that the Board of Yakima County Commissioners will pursuant to law, open bids on **Wednesday, April 27, 2022**, or as soon thereafter as possible in the 4th Floor Conference Room, County Courthouse, Yakima, Washington, for the **Asphalt Emulsion for the Yakima County 2022 Bituminous Surface Treatment Program**.

Bids must be:

(1) Sealed
(2) Plainly marked: **Bid-Asphalt Emulsion 2022 Bituminous Surface Treatment Program**

(3) Addressed to: **Yakima County Roads Attention Melissa Vantreese 128 North 2nd Street, 4th Floor Yakima, Washington 98901**

(4) Bids must be in the office of **Yakima County Public Services** on or before bid time of 2:00 p.m., April 27, 2022.

Specifications for said bid are on file in the office of the County Engineer, 128 North 2nd Street, 4th Floor County Courthouse, Yakima, Washington 98901.

The Board reserves the right to reject any or all bids, or parts thereof.

DONE this 5th day of April 2022

ATTEST: **Julie Lawrence** – Clerk of the Board

(20715) April 6 and 13, 2022

Public Notices

NOTICE OF PUBLIC MEETING

YAKIMA COUNTY HAZARD MITIGATION PLAN

A meeting will be held Monday April 11th from 6:30 PM – 8:00 PM to discuss updates to the Yakima County Hazard Mitigation Plan. This plan is updated every five years in coordination with the Yakima County and the cities within the County.

Residents and community stakeholders are invited to engage in the hazard mitigation planning process. Community members will inform what threats and hazards are the top priorities, shape the mitigation goals that guide the focus of the entire plan, and identify community assets and vulnerable groups to protect.

You can participate in-person at the Yakima Valley Emergency Management Office, located at 2403 S. 18th Street, Suite 200, in Union Gap or participate virtually. An additional public meeting will take place in September 2022 when the draft plan is ready for review.

For more information or to register for the public meeting, please visit: <https://www.yakimacounty.wa.gov/public-meetings>

(20754) April 6 and 10, 2022

OFFICIAL NOTICE FOR NOMINATION OF MEMBERS TO THE WASHINGTON MINT COMMISSION

Pursuant to chapter 15.65 RCW, notice is given that a call-in meeting will be held from 1:00 p.m. – 2:00 p.m. on April 19, 2022 to nominate candidates for positions 1 and 2 on the Washington Mint Commission. During the meeting, nominations may be made by calling (360) 902-0917.

Garage Sales

Union Gap Yard Sale/Indian Taco 4201 3rd St Saturday, 9am-4pm Lots of fabric, more.

Yakima 80+ Years of Stuff for Sale 6902 Postma Rd April 9th and 10th 8am to 4pm

80+ years of stuff... farm equipment, pipe and sprinkler stuff, tons of tools including hand and power tools, small appliances, furniture, dishes, and much more.

Yakima BAZAAR 1000 S. 72nd Ave/West Valley, Wide Hollow Elementary

Saturday, 9am-4pm Come support your local vendors (over 40) craft & direct sales. Grab some lunch (ribs, pulled pork, Red Bull, hotdogs, mini donuts, more), and don't forget to say hello to the Easter Bunny.

Yakima Colossal Sale/Indoor 7809 Tieton Friday-Saturday, 8am-3pm Proceeds support missions, no early birds! Mount Olive Lutheran Church

Call us 509.452.7355 CLASSIFIEDS



ITEMS UNDER \$100
Place your ad at yakimaherald.com/classifieds or email us at classifieds@yakimaherald.com

- 5 pairs of men's boots, variety of color/condition, size 9.5-10.5. \$25/ea. 509-966-3576
- Card table and metal shelf 9 1/2 x 60 x 24 and 2 tall faucets. \$45.00 for all. 509-829-5715/No Sat.
- Metal mailbox and wood Del Monte toolboxes \$37.50 for all. 509-829-5715/No Sat.
- 5-light chandelier and Sears sewing machine \$35.00 for both. 509-829-5715/No Sat.
- Closed salon, all new items, nail/foot, some nice jewelry, less than 1/2 price for all. 509-697-6823
- Plano pistol carry/storage case. NEW condition. \$10. 509-965-8016.
- Blankets, man's jacket, chairs, and 18" bicycle \$30.00 for all. 509-829-5715. No Sat.
- Ladies jeans Size 32 and 800 feet of small rope \$15.00 for all. 509-829-5715/No Sat.
- Seasoned apple wood, \$40/bin, 509-966-1174
- Women's SAS sandals. Huggycaramel, size 7. Like new. \$75. 509-379-4105.

The Yakima Police Dept. needs a swing shift maintenance specialist w/ 2 years exp. performing building maintenance, cleaning and repair work. Exp. in carpentry, construction, plumbing, electrical, and HVAC is preferred. Must be able to pass a background investigation.

View the complete job posting & apply www.yakimawa.gov/jobs

Closes 4/19/22 EOE

Call us 509.452.7355 CLASSIFIEDS

CLASSIFIEDS

The City invites all interested lending contractors to apply by 4/10/22. No unfair discrimination or preferential treatment will occur. Minorities, minority-owned entities and disadvantaged business enterprises will be afforded a full and fair opportunity to apply and an equal evaluation.

For more information, contact Rocky Wallace, Public Works Director (phone 509-696-7366)

City Clerk/Treasurer (27051) April 10, 2022

UNEMPLOYMENT SERVED BY PUBLICATION TO DAMARIS JAELE MENDOZA, Mother; an order for protection was granted on April 7th, 2022. On behalf of Constantino Mendoza, Father and two minor children. Obtain a copy at Yakima County Courthouse- 3rd floor, 128 N. 2nd Street Yakima WA 98901

(20997) April 10, 2022

Call us 509.452.7355 CLASSIFIEDS

You can participate in-person at the Yakima Valley Emergency Management Office, located at 2403 S. 18th Street, Suite 200, in Union Gap or participate virtually. An additional public meeting will take place in September 2022 when the draft plan is ready for review.

For more information or to register for the public meeting, please visit: <https://www.yakimacounty.wa.gov/public-meetings>

(20754) April 6 and 10, 2022

Call us 509.452.7355 CLASSIFIEDS

Notice of Public Meeting on Thursday, April 14, 2022 to conduct the annual review of the Title VI Indian Education Grant Application. The public hearing will begin at 6:00pm as part of the Indian Education Parent Meeting in the Wapato High School Library.

(20982) April 10 and 13, 2022

Call us 509.452.7355 CLASSIFIEDS

Call us 509.452.7355 CLASSIFIEDS

The image shows a screenshot of the Twitter profile for Yakima Valley Emergency Management. The profile header includes the organization's logo, a bio stating "To learn more visit: www.co.yakima.wa.us/OEM", and the name "Yakima Valley Emergency Management" with 22K followers and 355 following. Below the header are navigation tabs for Posts, About, Mentions, Followers, Photos, Videos, and More. The "Intro" section describes the page as a government organization for emergency updates. The "Posts" section features a tweet from Yakima Valley Emergency Management dated 12h, titled "YAKIMA COUNTY HAZARD PLANNING EFFORT SEEKING PUBLIC COMMENT". The tweet text explains that Yakima County has experienced several natural and human-caused disasters and is updating its Hazard Mitigation Plan. It invites the public to identify threats and hazards. Below the tweet is a large blue graphic with the text "PUBLIC MEETING NOTICE". The tweet shows 5 retweets and 2 shares. A "Photos" section below the tweet displays a grid of images related to the meeting notice, including signs for "PUBLIC MEETING NOTICE", "BE PREPARED", "SLOW DOWN IF POS STAY OFF THE I", and "PROTECT THE EYES".

Plan Review Period

The draft Yakima County MJHMP was available for public comment and review for a two-week period between September 19 and October 5. The plan was available on the YVEM website and notification of the opportunity was shared through social media, press release, email, and public meeting forums. Screenshots of these platforms are included below.

The screenshot shows the 'YAKIMA COUNTY' website with a navigation menu on the left and a main content area titled 'County Emergency Plans'. The main content area has two tabs: 'CEMP' and 'HAZARD MITIGATION PLAN (HMP)'. The 'HAZARD MITIGATION PLAN (HMP)' tab is active, displaying the following text:

Welcome

Yakima County is currently updating our Multi-Jurisdictional Hazard Mitigation Plan (HMP). The draft plan will be posted here for public review and comment from September 19 – October 5.

The HMP will help our communities to prevent significant property damage and loss of life in the event of a disaster. The HMP is required by the Federal Emergency Management Agency (FEMA) every five years for our community to be eligible for certain types of grant funding. You can visit this page for project updates and ways that community members can influence plan development.

The goal of the project is to save lives, property, and natural resources by reducing the vulnerability of Yakima County to disaster events. During this planning project, local leaders and community members will identify risks, assess capabilities, and formulate a strategy to reduce our community's disaster vulnerability.

Public and stakeholder participation and feedback is a vital part of the hazard mitigation planning process. Please check back regularly for information on upcoming opportunities to engage in the planning process. If you would like to get in touch with the project team, please use the following contact information:

Project Contact:
Tony Miller, Director
antone.miller@co.yakima.wa.us

Public Meeting
 Join the Planning Committee at our final public meeting on Wednesday, October 5 at 4:00pm to provide your feedback on the HMP.

To participate virtually, please register for the Microsoft Teams webinar here: <https://bit.ly/3LuLYCP>

To review the current draft of the Yakima County Multi-Jurisdictional Hazard Mitigation Plan click [here](#).

General Information

Every year, natural hazards like wildfires, flooding, and drought cause property damage, loss of life, economic hardship, and other threats to our community's public safety. In 2021 alone, there were 21 events across the United States that caused more than one billion dollars in damages.



Home » News Flash

Public Services

Posted on September 21, 2022

FINAL OPPORTUNITY TO COMMENT ON YAKIMA COUNTY HAZARD PLAN

Yakima County has experienced several natural and human-caused disasters in recent years – landslides, flooding, smoke from wildfires, and of course the COVID-19 pandemic.

Every five years, Yakima County and local cities update our Hazard Mitigation Plan to identify the greatest threats and hazards facing our community, and how we can best mitigate the impacts. Hazard Mitigation is any effort to reduce or eliminate the long-term risk to human life and property.

Residents and community stakeholders are invited to provide your feedback on the final draft of the Hazard Mitigation Plan. Community members help to shape our strategy for mitigation and ensure thoughtful investments and projects.

Join the project team for our final public meeting on Wednesday, October 5 at 4:00pm as we review the final plan and provide your feedback! Participation is open to members of the public virtually through a Microsoft Teams webinar.

For more information or to register for the public meeting, please visit <https://www.yakimacounty.us/IRJs/County-Emergency-Plans>

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All categories

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Categories

- All Categories
- Utilities
- Road Closures
- Commissioners Office
- Health District
- Public Services

Planning Committee Participation

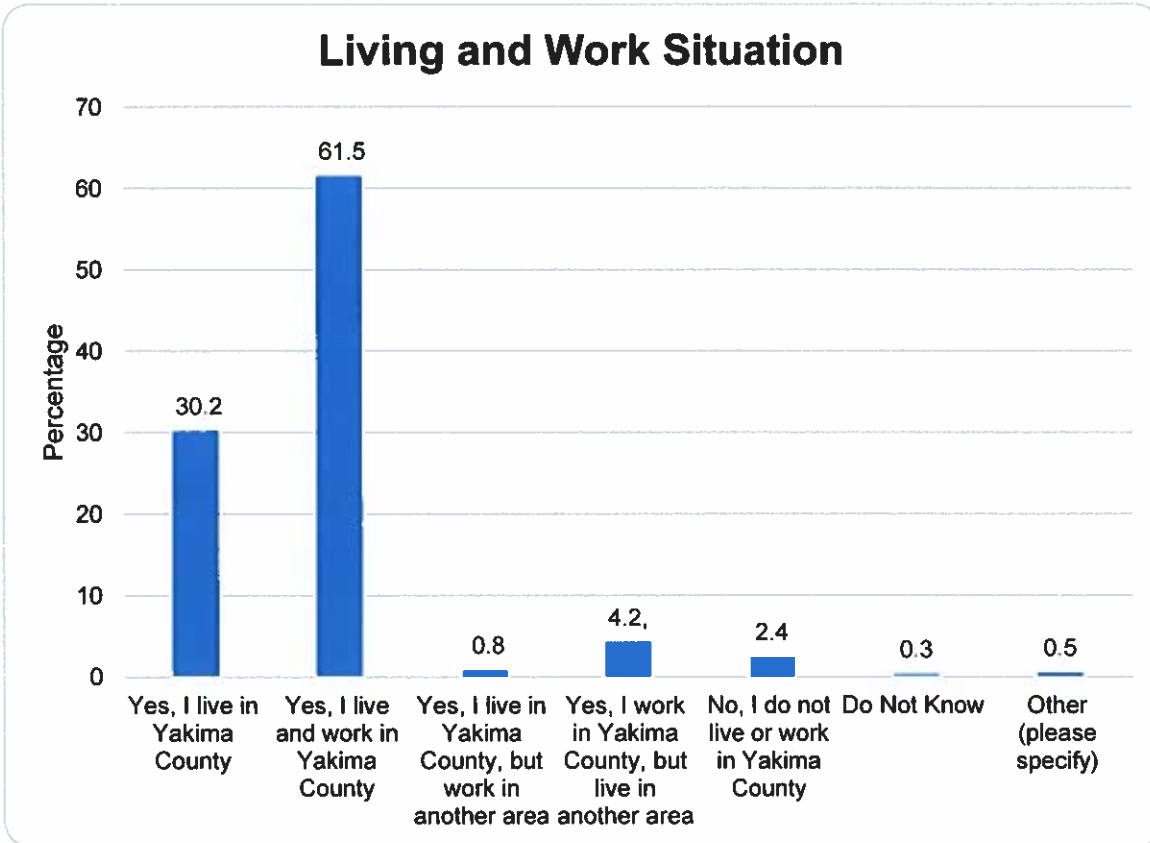
The Yakima County HMP Update was led by a committee representing various agencies involved in mitigation projects, as well as representatives from each participating jurisdiction. Additionally, subject matter experts and neighboring jurisdiction representatives were invited to participate in committee meetings which served as Mitigation Strategy Workshops. Sign-in sheets for the planning committee meetings are available as a supplement to this document.

APPENDIX C. COMMUNITY SURVEY RESULTS

As a part of the 2022 Yakima County Multi-Jurisdictional Hazard Mitigation Plan (HMP) update, Yakima Valley Emergency Management and participating jurisdictions distributed an online, public survey to residents from April 15 – August 15, 2022. There were 284 complete responses to the English language survey and 3 complete responses to the Spanish language survey. The survey included 15 questions which were designed to better understand the emergency preparedness needs and risk perceptions of community members and stakeholders as part of the 2022 Hazard Mitigation Plan update process.

Table C.1. Survey Response Statistics		
English Language	Count	Percent
Complete	284	71.5
Partial	102	25.7
Disqualified	11	2.8
Spanish Language	Count	Percent
Complete	3	5.9
Partial	47	92.2
Disqualified	1	2

1. Do you live and/or work in Yakima County? Please select the best answer that applies to your current situation.



Value	Percent	Count
Yes, I live in Yakima County	30.2%	114
Yes, I live and work in Yakima County	61.5%	232
Yes, I live in Yakima County, but work in another area	0.8%	3
Yes, I work in Yakima County, but live in another area	4.2%	16
No, I do not live or work in Yakima County	2.4%	9
Do Not Know	0.3%	1
Other (please specify)	0.5%	2
	Total	377

2. Please indicate which community in Yakima County you live in.

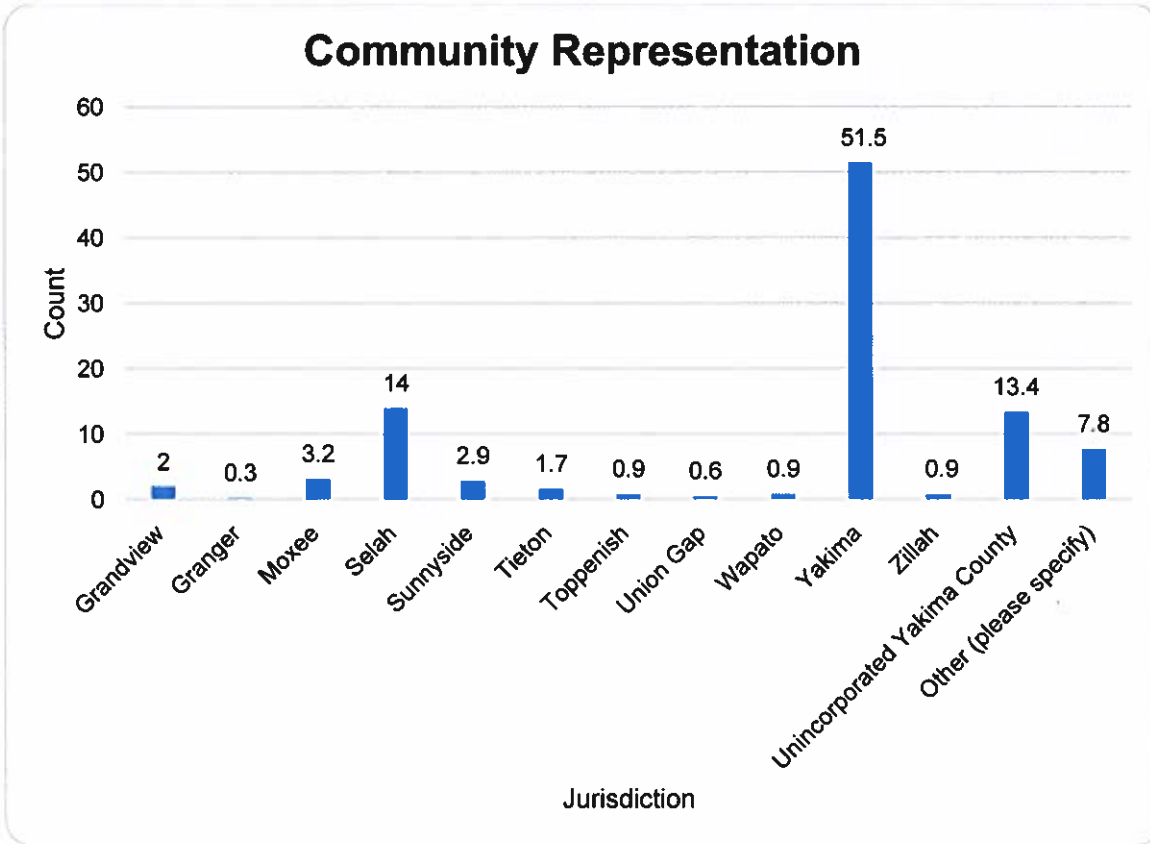


Table C.3. Community Representation		
Value	Percent	Count
Grandview	2.0%	7
Granger	0.3%	1
Moxee	3.2%	11
Selah	14.0%	48
Sunnyside	2.9%	10
Tieton	1.7%	6
Toppenish	0.9%	3
Union Gap	0.6%	2
Wapato	0.9%	3
Yakima	51.5%	177
Zillah	0.9%	3
Unincorporated Yakima County	13.4%	46
Other (please specify)	7.8%	27
	Total	344

Responses for Other	Count
Naches	11
Terrace Heights	3
Gleed	2
Harrah	2
Cowiche	1
East Selah	1
Outlook	1
Retired	1
West Valley	2
Westside	1
White Swan	1
Yakima	1

3. Please indicate which community in Yakima County you work in.

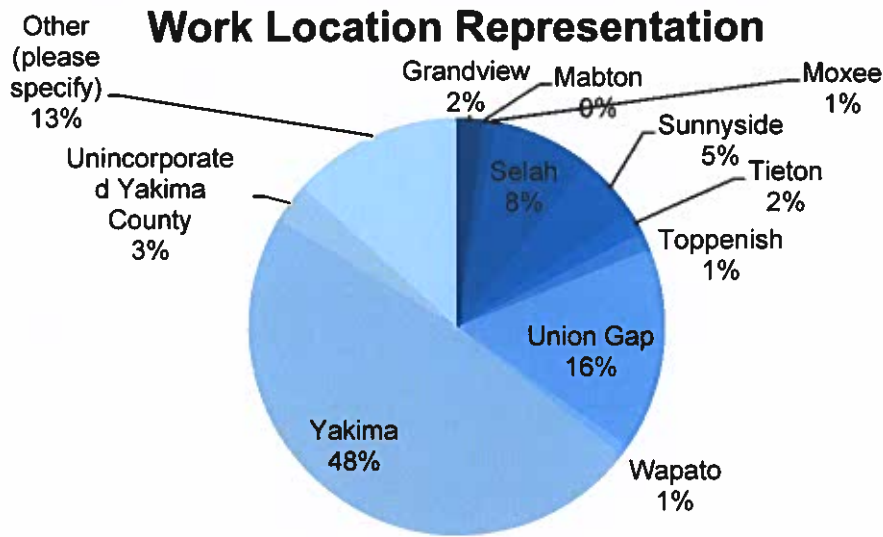


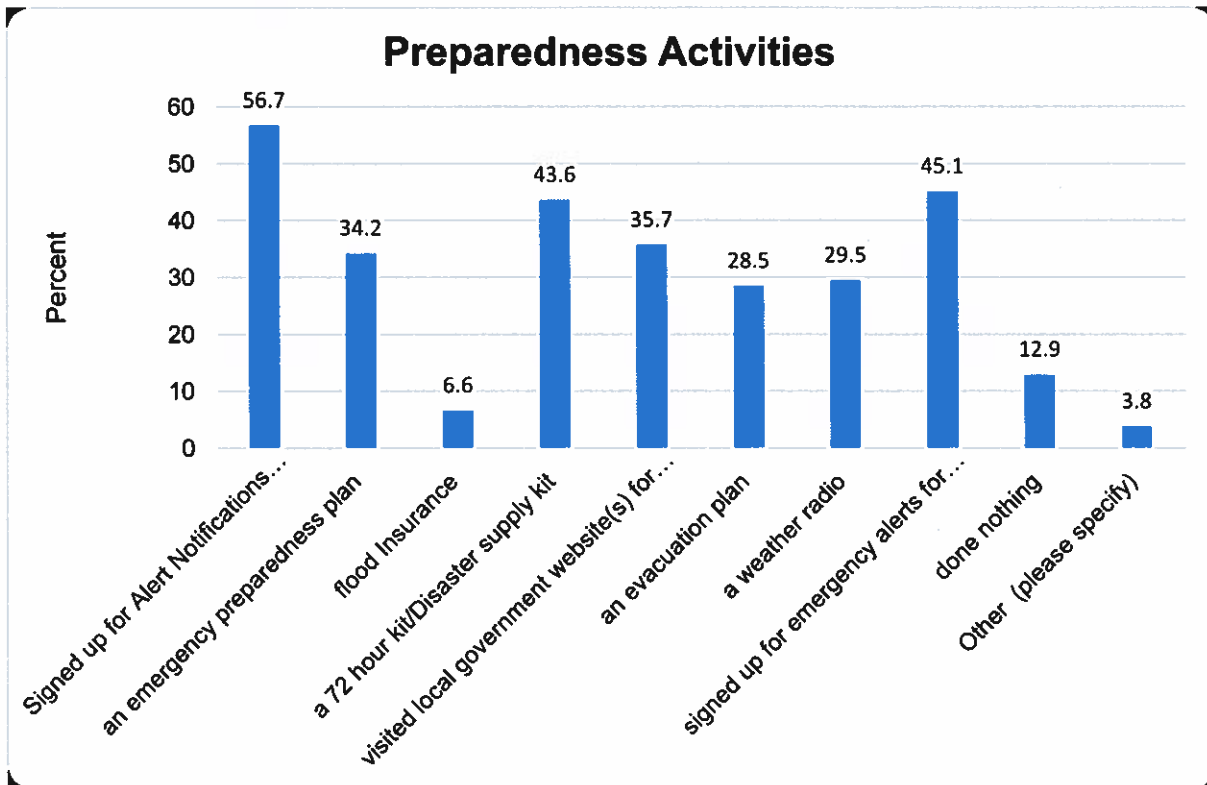
Table C.4. Work Location Representation

Value	Percent	Count
Grandview	2.0%	7
Mabton	0.3%	1
Moxee	0.8%	3
Selah	7.6%	27
Sunnyside	5.1%	18
Tieton	1.7%	6
Toppenish	1.4%	5
Union Gap	15.8%	56
Wapato	0.8%	3
Yakima	48.0%	170
Unincorporated Yakima County	3.1%	11
	Total	354

Responses for Other:

- Retired
- All of Yakima County
- All of these
- Benton
- Cowiche
- Gleeed
- Harrah
- I door dash so I deliver to these areas
- I travel to the work site. Special skills.
- I'm not currently employed
- Naches
- Prosser
- Remote work
- West Valley
- White Swan
- Work from home
- numerous county locations involving my salmon education and naturalist
- activities throughout Yakima County

4. Please indicate those activities you have done to prepare for emergencies and disasters. Please select ALL that apply. I have...



Value	Percent	Count
Signed up for Alert Notifications through Alert Yakima	56.7%	181
an emergency preparedness plan	34.2%	109
flood Insurance	6.6%	21
a 72 hour kit/Disaster supply kit	43.6%	139
visited local government website(s) for emergency preparedness information	35.7%	114
an evacuation plan	28.5%	91
a weather radio	29.5%	94
signed up for emergency alerts for Yakima County (from any source)	45.1%	144
done nothing	12.9%	41
Other (please specify)	3.8%	12

Responses for Other:

- Attended Emergency Management Training
- I have the items but not in one place
- Keep a go bag with supplies in my car; water and shelf stable food in the basement; have established emergency contacts for household members - including out of state contacts in case communication infrastructure is damaged at a local level, making it difficult to reach family here
- Obtained an amateur radio license.
- Prepping
- Signed up for Nixle Alerts
- Stockpile firearms and ammunition.
- Use myAlerts, FEMA, and WSDOT apps
- Very complete first-aid kit
- We have simple go bags, and an emergency ration for sheltering in place
- We have totes packed, ready to evac for fire
- have supplies of water and canned food, blankets, and flashlights

5. What has prevented you from preparing for a disaster? Please select ALL that apply.

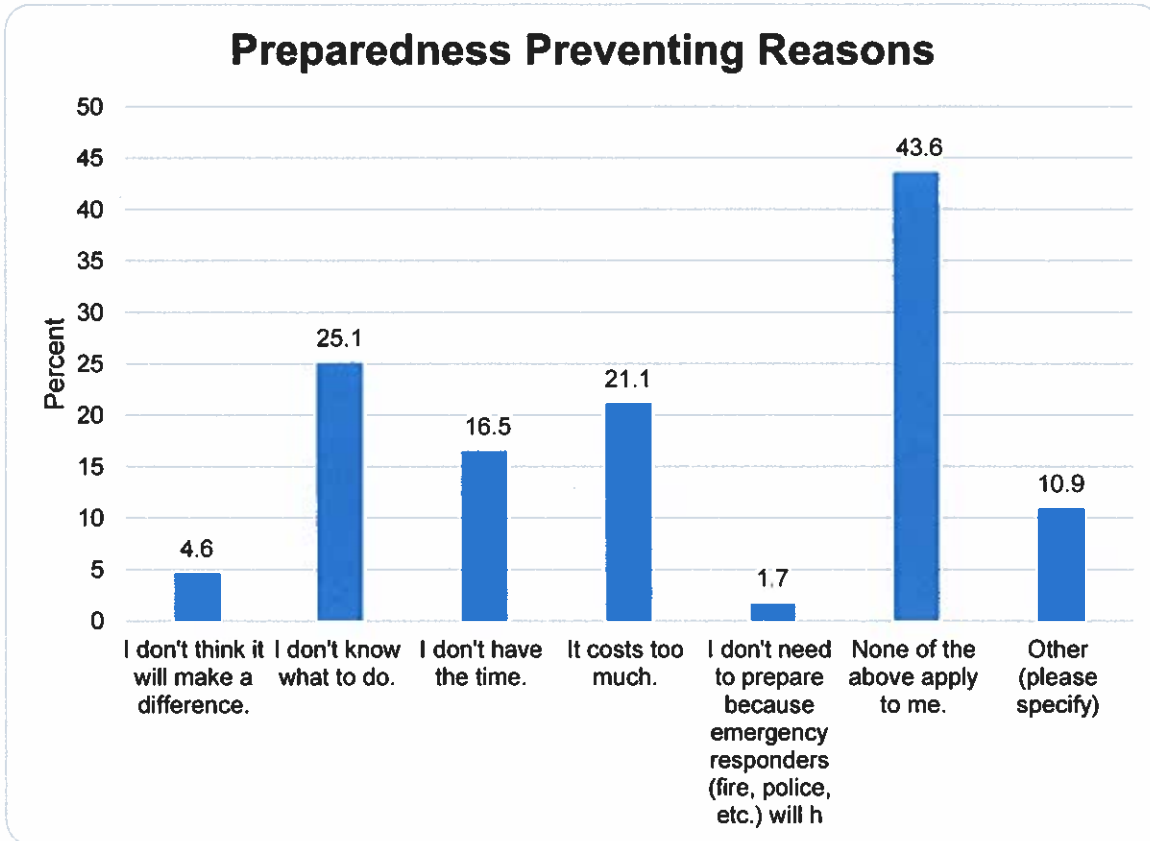


Table C.6. Preparedness Preventing Reasons

Value	Percent	Count
I don't think it will make a difference.	4.6%	14
I don't know what to do.	25.1%	76
I don't have the time.	16.5%	50
It costs too much.	21.1%	64
I don't need to prepare because emergency responders (fire, police, etc.) will help me during an emergency.	1.7%	5
None of the above apply to me.	43.6%	132
Other (please specify)	10.9%	33

Responses for Other:

- Don't have room for storing stuff to be saved
- Don't know what to prepare for
- For evacuation, I have nowhere to go!
- Haven't given it much thought; don't worry about emergencies.
- I am the emergency responder.
- I beleive we've done what we can
- I have prepared to the best of my knowledge.
- I have stuff to get me through if needed. Hopefully not needed.
- I probably have not done enough because I may not be educated enough
- It hasn't risen to the top of my busy life.
- Just have not done it
- Just have not done it.
- Just haven't made it a priority to take the last few steps for preparation
- Just moved to area
- Just need to do it. Procrastination.
- Lazy and complacent
- Mostly prepared however with supply chain issues it's hard to get more supplies due to limited stock. Costs are high due to over taxing and limitations of products caused by Jaydolph Inslee
- Moved to Yakima within the past year, and I'm still learning.
- No buy in from the family
- Procrastinating. Had it all when lived on the west side and had an in-home childcare business
- Retired and live in an area not affected by regional disasters
- Storage space
- There are some things I would like/need in an emergency but can not afford right now
- Too busy
- We don't live in a floodzone, and we monitor the news
- always put off until later date
- have some supplies on hand
- just have not done it yet
- lack of defined disasters to prepare for
- lack of storage space and adult home health care issues
- need to do so
- procrastination
- procrastination is my problem

6. Where do you get your information about disaster preparedness? Please select ALL that apply.

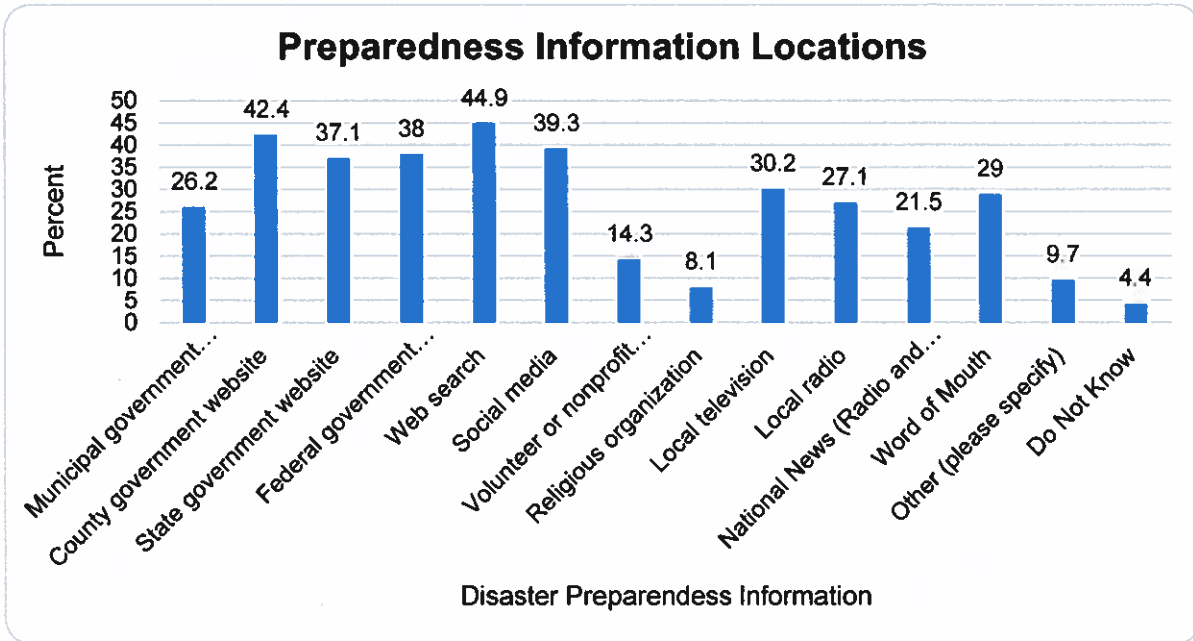


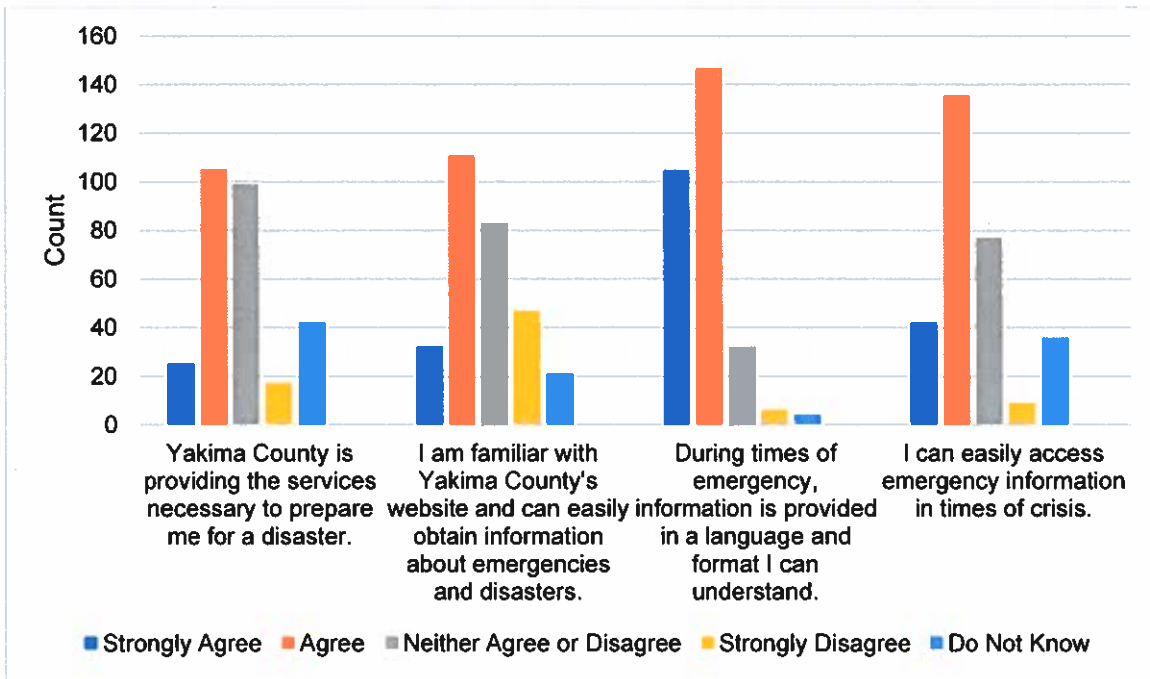
Table C.7. Preparedness Information Locations

Value	Percent	Count
Municipal government websites	26.2%	84
County government website	42.4%	136
State government website	37.1%	119
Federal government websites (example: www.fema.gov)	38.0%	122
Web search	44.9%	144
Social media	39.3%	126
Volunteer or nonprofit groups (American Red Cross, Salvation Army)	14.3%	46
Religious organization	8.1%	26
Local television	30.2%	97
Local radio	27.1%	87
National News (Radio and Television)	21.5%	69
Word of Mouth	29.0%	93
Other (please specify)	9.7%	31
Do Not Know	4.4%	14

Responses for Other:

- Attended Trainings
- Books/Magazines
- Civil Air Patrol and its federal coop links
- Classes
- Community emergency notice calling tree
- County Safety Committee
- Do my own research. Compare sites, books, etc
- Everbridge
- I wish Yakima County would update their website like other adjoining counties do. Some post in climate weather road closures fairly timely however Yakima County never seems to do any of that. Some other counties do it via social media and their websites, but Yakima does not. That would be a great resource for the county to use but it's really almost nonexistent on the county's website. Some information you find is over 10 years old. As large as Yakima County is I really feel they should try to get the information out this way so I times of disaster or other circumstances folks could quickly find accurate information. The county is severely lacking in this area.
- LEPC: Local Emergency Planning Committee
- Local Newspaper
- Local volunteer fire dept
- My employer
- NONE OF THE ABOVE
- Public radio
- School district
- Social Media news sites, i.e., NPR, KAPPTV, KIMA, etc.
- Social media.
- The training that I attended.
- Yakama Nation
- YouTube
- alternative media
- former SAR volunteer; worked with USAF SERE instructors
- local community resources
- my own knowledge and research
- past experience
- research
- various books
- what I was taught as a kid growing up in earthquake territory on an island that could be cut off from mainland help
- Yakima herald

7. Would you agree or disagree with the following statements?



8. Please indicate how Yakima County can better assist you in preparing for emergencies and disasters.

- I moved here in February from out of state and had no idea that ANY organization was active in Emergency Preparedness or Homeland Security.
- I just need to go over information currently available and implement steps that are currently missing from my current state of preparedness.
- As far as I can tell, they haven't done anything.
- Making information more public. Starting a public campaign (using pamphlets/tv commercials for emergency preparedness education/information)
- Issue updates over radio and then get out of the way...
- Have preparedness information on their website and send out information via mail on occasion.
- More information on how to get emergency alerts during an actual emergency
- Most people will not go to the website because they do not understand or are not aware of many possible emergency occurrences in our valley. Don't believe it will affect them. More educational outreach is needed.
- Nothing
- Community outreach programs and presence
- Support property and second amendment rights so that citizens can support themselves during times of crisis. Improve county EOC radio comms capability in order to maintain two-way community communication.
- More information on preparedness. I try to keep on top of it but there are many places to call, lots of numbers to remember and then all of a sudden people look to me for the numbers. I would like to get more involved to make it easier.
- Provide checklists on what is needed in an emergency preparedness kit. Provide basic emergency kits at low cost to help people get started.
- Make people more aware of what is available to them for information and preparing
- Having easily accessible information at county fairs and local grocery stores.
- My biggest concern is I work in Union Gap and would need to evacuate to the north across multiple bridges, or one bridge and the Yakima River Canyon, to get home. The bridges are choke points and the Canyon has significant landslide risks, depending on the nature of the event
- Mail or email out preparedness fact sheets to each household. This is more direct contact versus going on-line searching for the website.
- More public education via television. Not all have internet access (as we have learned in the last 2 years), especially outside the city limits.
- I feel like my elderly neighbors need to be contacted if something is happening. Is there a way to have an emergency alert to landlines?
- COVID: website is still obscure. We need: 1. Clear definition of current conditions 2. Resources list and contacts 3. If all out emergency, what can county provide
LANDSLIDE: Totally confusing response in both news and online. We needed to know what would happen if the landslide had cut off Yakima River flows, and how much time we might have to respond as individuals. How far would flooding extend? If flooded out, who do we contact or where do we go? WILDFIRE: Would the responders need to drain my well to respond?

- Develop higher visibility and greater interest in emergency prep. Volunteer to speak to service clubs, schools, community, and senior centers, etc.
- Having predesignated places for people to get supplies i.e. sandbags, sand and like things for all disasters.
- More public awareness campaigning.
- If not doing is already, attend festivals by having a booth with materials to take, people or speak to, conduct mini classes, seminars, and such to visually see. Interaction for families to prepare together and know what to do when a disaster or emergency occurs
- Written information provided at public library
- I was involved in an evacuation order two years ago for a fire on Ahtanum Ridge. The information from the County alerted to me was untrue and completely contradictory to what fire department had provided. I have little to no faith in the County's ability to clearly communicate state of disasters nor those plans are in place if a bigger disaster should occur. During that fire there was no management of nearby roadways, they were clogged with people taking videos and pictures of the fire. I truly have no idea how the County positively assisted its residents during this disaster.
- I have not yet experienced an emergency and or disaster to have an idea how prepared I can be. Understanding Yakima County risk may help me better understand/assist me in preparing.
- It is the logistics of an emergency that trouble me the most. Our culture and society are trapped into thinking they can just get something easily in one more errand to the store. Cooperative alternatives for communication, food provisions and energy resources are not well informed. However, that's not the county and municipal problem; it's the consumer's problem and its lack of education
- Outreach to my employer, who distributes safety information to its staff
- Broadcast the Emergency Management information that is available on the county website. There was so much information about COVID, other disaster information hasn't appeared as relevant. I would say it is even more important at this time.
- Easy web access
- Promote the web sites and sources of info in the Herald. Anything posted on Facebook, twitter, etc. will not be seen by a very large portion of the county's citizens.
- In a power outage I would be left without emergency information. Perhaps cellular texts would be great.
- Have preparedness fairs
- A list of exactly what should be in a 72-hour kit, with links on where to purchase items at the best price.
- Maybe a check list of supplies and amounts of things that each household should have on hand.
- Law enforcement resources are sorely inadequate due to lack of staffing. Fire services are adequate.
- Do you have coordinators in each community? Are you a player in what some see as the overreaching state government that imposed mandates and restrictions on us during the COVID-19 fiasco? Is your image benevolent or malevolent? Do you think your organization needs to be trusted to be able to effectively assist the general

public? Are you associated with the same people who are responsible for issuing building permits?

- When people are following the news about wildfires, describe what everyone, including those in town what they should do if fires spread quickly. And point them to websites that provide specific instructions for each location in the County, with info on where they should go and what they should do.
- Promote THE MOST APPROPRIATE place to go for information
- Broadcast before the news
- Acknowledge that Naches is in the County
- Put together emergencies plans for different situations and locations and post them on a web page that links from local fire departments and law enforcement web pages. Make available 72-hour packs for people to purchase. A lot of people don't know what to put in one.
- I just need to search and prepare.
- The county should focus on making ALL county residents aware of the need to have an emergency preparedness plan and supplies on hand, and where to get information. Broadcast and written materials in multiple languages is necessary.
- Maybe some workshops, advertised through snail mail? Perhaps, if I joined a listserv then an email would be good to announce things like that. I don't watch TV, listen to radio, or go to the movies, so those kinds of announcements will miss me.
- Offer more classes
- Should offer more CERT classes, get people trained and interested. The everyday person lives paycheck to paycheck but needs to understand just a few extra cans of food/cases of water here and there and their supply will start growing. Most do not think about a natural disaster or emergency and are not prepared.
- Put an educational segment on the local radio and nightly news. Show how easy, affordable, and effective planning can be. Show us the right resources and materials, and demonstrate how to find, attain, maintain, and use them. Perhaps do live demonstrations at local events and schools as well. Children especially can bring the idea into the home. Provide educational materials in multiple languages and with pictures.
- Maybe ads on social media, radio and tv?
- Providing regular communication and outreach information would help to raise my awareness level and the importance of preparation (PSAs, regular tips on the local news, etc.).
- Communicate whatever means available, examples already mentioned above and more frequently keep top of mine awareness to the general public.
- Better way to get situational awareness of a situation during evenings and weekends.
- Perhaps a clear and easy link to a website, listing what to do and have with contact info for resources for getting ready. Maybe a few workshops for the community.
- Use Twitter more often. Some people don't have Facebook.
- So far they've done an excellent job of communicating
- If they could do something to help the lower income people and that would be great
- Maybe prepare materials to go out to people in our areas through drop offs at homes apartments businesses! This would be great!
- Maybe some encouragement to prioritize making disaster plans.

- Maybe mail out fliers to residents with tips, websites, how to sign up for Yakima alerts, what to even have in a 72hr disaster kit, etc.
- More information about what is needed and where to get things or information to help.
- Maybe a packet in the mail with information
- Alert the public ahead of time
- Testing of the broadcast systems. I know I'm subscribed for weather alerts but a test to assure we will get the emergency notification would be reassuring
- Active shooter drills for entire community
- Need Spanish Translations on information
- More flyers/marketing of resources
- Social media
- A more user-friendly web page when looking for answers would help but also someone to answer the phone would be a plus also.
- Same way you sent this survey
- Better define emergencies and disasters. Is snowfall an emergency or disaster? Is flooding? Wildfires? Knowing what Yakima County defines as emergencies and disasters would be helpful for those preparing.
- Not sure until it happens
- Help with 72 hour kits
- More communication on social media.
- Help provide resources (i.e. equipment, food, information, etc.). We would like to be more prepared, and we are working on it, but the cost is problematic, and it would be nice if there were better and easier ways to get information.
- I feel better comfortable with our family's emergency preparedness. Please remember to include the "non-media" and non-electronic demographic population within your vast communication network, as they use school districts, Church, stores, and neighborhoods to receive information, especially vulnerable elderly and the under-served. Thanks.
- I don't think it is Yakima County's responsibility to assist me or my family in preparing for an emergency. I think Yakima County's limited resources would be better spent preparing for emergency impacts to roadways, bridges, utilities, power grid, etc. People need to take care of their own preparation.
- We have an awful lot of poor people in Yakima that can't afford to have a 72-hour emergency kit, maybe potentially take money from some other area and by kits for the poor Yakima County
- Practically, what sort of disasters should we be expecting? A flood, an earthquake, wildfire, human induced disasters? We always have enough food for 3-10 days, but not sure about preparation for a long-term legit disaster.
- Community Trainings Community Awareness Booths at Fairs/Festivals Community Network/Partnerships with other organizations
- Distribute Emergency Preparedness Kits
- perform public meetings on how to prepare for a disaster, for floods, fire, landslides, snowstorm, extreme temperatures heat/freeze, etc. Take the show to the people, community centers, senior centers, senior apartments, senior meal sites, senior advisory board meetings, etc.

- Community outreach and presentations to the City Council.
- SEND MAIL OR FLYERS
- Keep up the great work of informing us
- Have locations during a disaster I can go to.
- Have alerts sent out
- Mail me information about free or low-cost things I can do to prepare.
- Keep the website updated and don't rely on Facebook.
- Get involved I know nothing about what Yakima County does.
- Public Outreach at events such as the Fair, community gatherings, the FreshHop Festival, etc. would be a good start
- I need to do the work and look on the website and get what I need together. Maybe a link to the emergency preparedness page would help.
- Maybe more reminders that tell us what to do.
- Make the websites more widely available and noticeable through regular resources especially for people without tech access/skills.
- More education on likely hood of various disasters in the community
- How does one with no vehicle prepare?? Everything I see is about loading a big emergency kit into your vehicle's trunk and taking off. No vehicle, no trunk. Also no local relatives, and I don't really know anyone here yet.
- If social media is to be used to announce emergencies it has to be all, not just Facebook. There also needs to be timely updates provided.
- Have law enforcement agencies with adequate personnel
- Where are more resources located?
- Maybe give out a list of items people should have and also give out information more in English not always just in Spanish
- Publish and distribute by USPS resource lists
- I didn't even know there was a website or anything. Maybe put up flyers at the libraries, occasional radio interviews with the morning jocks, etc. to help inform people. Classes on how to make plans, help the neighborhood, etc.
- Public Workshops
- You can lead a horse to water, but you can't make it drink. Keep providing timely and important information.
- During the wildfires of 2020 I was able to get way more up to date info from my neighbors on FB which is not the best sign. That needs to be improved definitely. Right now, it's thumbs down.
- The county really needs to take advantage of using their website or social media posts like adjoining counties do. One example is one adjoining county posts fairly timely posts on their website and social media places on road closures for in climate weather then posts again when the roads are open. They will post information on wildfires and its impact to roads etc. This is a great benefit to folks in the county and with most of the resources already available the costs should not be significant. It is really helpful to check other counties resources for this information. This would also be a great tool in times its disaster to help residents with evacuations and to stay away from other areas that are affected as well as not be in the way of first responders etc. I'm really surprised with the size of the county this hasn't been

looked at. Searching the county's website usually results in information that is many years old.

- More specific info. Such as: what foods to put in emergency kits, where we can get good storage containers for food and water. This may sound simple but these are questions I have been asked
- Annual community outreach via social media AND direct mailers. Include emergency preparedness information for your home/property that is specific to our region (wildfires & flooding), how to create & safely store emergency food & water provisions, instructions on where & how to sign up for alerts & how to create a family escape plan. You may also consider a collaborative effort with some of the major home/property insurance companies.
- Have Emergency Preparedness training for the public. Send out warning notices via text and recovery or help with the aftermath soon after the disaster/emergency
- Get rid of the homeless
- First - I think Yakima County should make KIT radio a partner with preparedness. They should have emergency generators to continue to provide information during power outages. There should be designated places throughout the county for people to meet up and get information. Pre- designated so people know where to go ahead of time. Videos showing how to create and stock a disaster kit. Keep talking about it.
- Information regularly on social media
- Emergency mgmt communication is poor and outdated. Stop only relying on communicating exclusively on Facebook as a general post. Use Twitter, make what's app group, a general web page of each disaster. USE the GIS to support communication. I want to see a real-time traffic and road condition map for everywhere in the valley 24x7. The investment in all the technology foundation is in place - make it work for the citizens. There are add in modules for the CAD system that would help this process.
- Make sure everyone has a emergency plan and to ensure they know what to do or where to go
- Please provide assistance to those that have fire danger property that pose threat to others. My neighbor is spending a lot of \$ to clean overgrowth on his property to protect him and others. We are thankful, we live on the Wenas, it's a matchstick.
- Stop only updating Facebook. Not everyone is on Facebook or social media. We recently called 911 about a disturbance, and no one showed up. What do we do in an instance like that? I'd also like to understand better how the fire department addresses unincorporated areas. 1769 Naches Wenas Road, Selah, WA 98942
2945 Naches Wenas Road, Naches, WA 98937
- List and describe potential dangers that pertain to our area: Cascadian subduction Quake, floods, chemical leak, Hanford dangers, War, etc.
- Promote more through local tv and radio stations. Come up with incentives for people to start preparing.
- Send a list of things one would need for a survival kit
- Provide some education regarding different types of disasters we could face in our area.

9. If a disaster (i.e. snowstorm) impacted Yakima County, knocking out electricity and running water, would your household be able to manage on its own for at least seven (7) days?

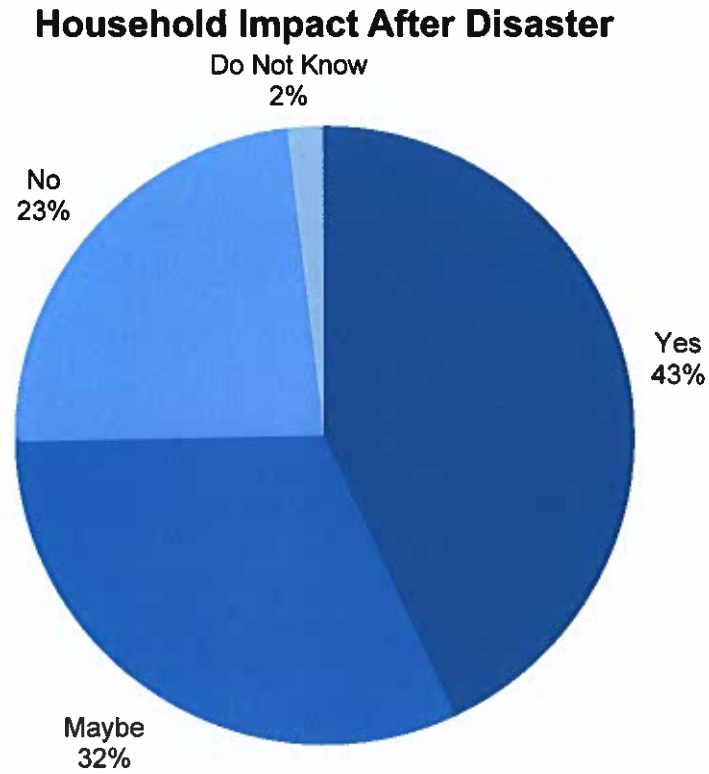
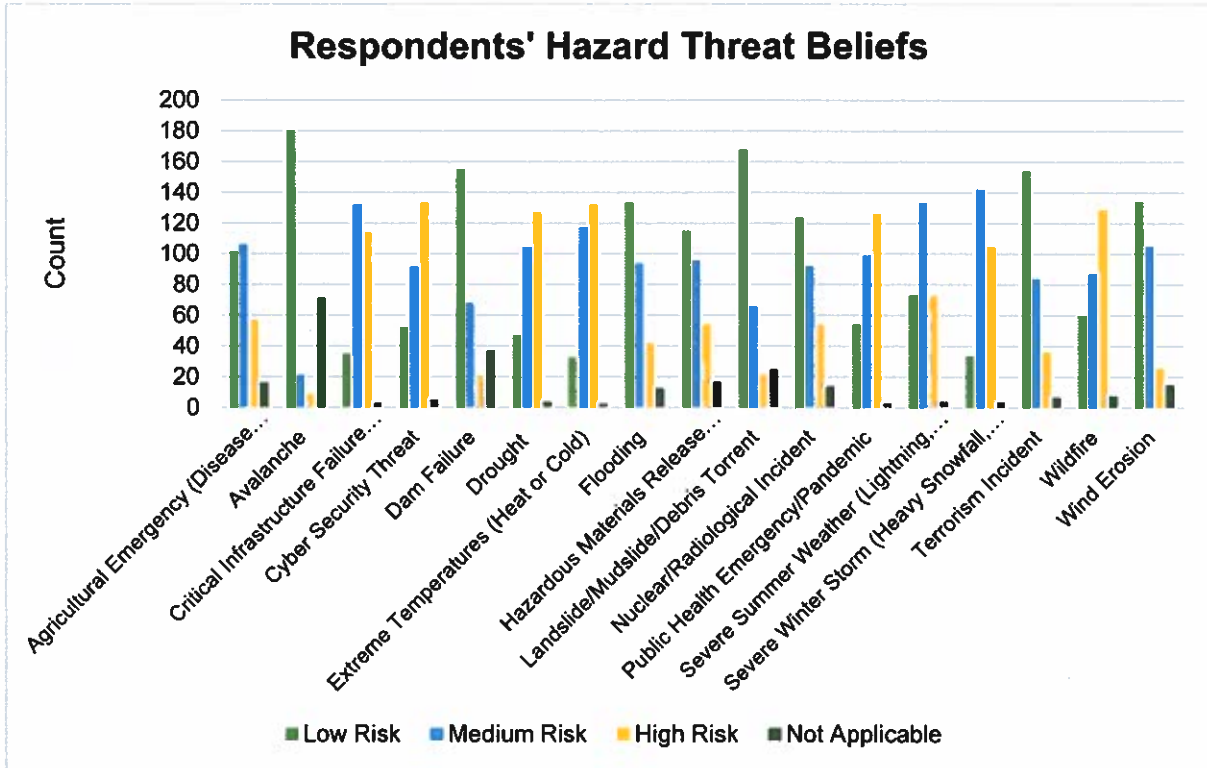


Table C.10. Household Impact After Disaster

Value	Percent	Count
Yes	43.1%	138
Maybe	31.6%	101
No	23.4%	75
Do Not Know	1.9%	6
	Total	320

10. Do you believe that your household and/or place of business might ever be threatened by the following hazards? Please rate what hazards present the greatest risk.

- Low Risk = Low impact on threat to life and property damage
- Medium Risk = Medium impact on threat to life and property damage
- High Risk = High impact on threat to life and property damage



11. Please select the answer that best describes your experience.

- Minor = Repairable, non-structural damage to a home or damage from flood waters when the waterline is 18 inches or below in a conventionally built home or when the waterline is in the floor system of a manufactured home.
- Major = Structural damage or other significant damage that requires extensive repairs or damage from flood waters when the waterline is 18 inches or above in a conventionally built home or when the waterline enters the living space of a manufactured home.
- Catastrophic = Significant enough damage that the home is deemed a total loss.

Respondents' Damage Experiences

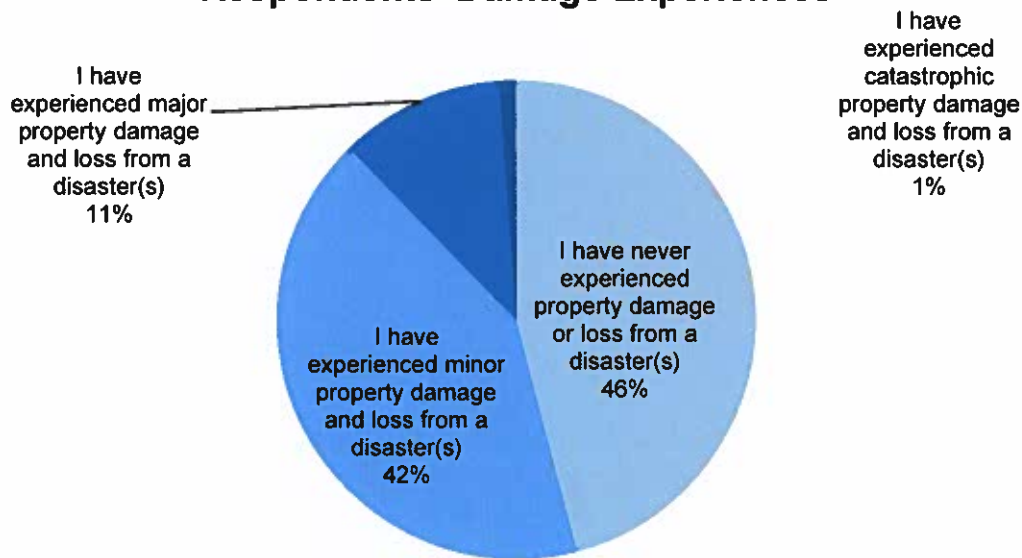


Table C.11. Respondents' Damage Experiences

Value	Percent	Count
I have never experienced property damage or loss from a disaster(s)	46.0%	131
I have experienced minor property damage and loss from a disaster(s)	41.8%	119
I have experienced major property damage and loss from a disaster(s)	11.2%	32
I have experienced catastrophic property damage and loss from a disaster(s)	1.1%	3
	Total	285

12. If you have experienced any damage(s) or injury(ies) from a disaster in Yakima County, please list the hazard(s) and briefly describe the damages/losses and/or injuries (Example: flooding that caused damage to my home)

- Severe summer thunderstorm rain eroded garden areas on sloped ground that created small mudslide onto neighboring property, and also high winds forced rainwater through cracks in window frames that caused minor water damage inside of home.
- Wind damage to buildings and trees
- High winds that caused damage to my home and outbuildings.
- Experienced disaster in Canada. Canada is ill prepared and a hazard for the USA. Canada needs to be given an ultimatum, or suffer some consequence...
- I was a volunteer Firefighter/First Responder/EMT with the West Valley Fire Dept. for 13 years.
- Flooding on property (not house - placed well above flood plain), trees knocked down from wind. What I see as lacking in your considerations of emergencies are volcanos and earthquakes. Those are real potential emergencies in our community.
- Snow & ice damage to my home (roof damage) during heavy snow event in mid-90's.
- Windstorm with falling tree limbs
- Windstorm that broke several branches off neighbor's tree. Large limbs in my yard we had to cut down and dispose of. Also, lost roofing tiles which had to be replaced.
- High wind has damaged roofing and a stack of apple bins fell into our yard due to high wind. A fence was damaged, but no pets were killed.
- Fuel release to ground, ongoing clean-up costs
- Wind damage
- Wind damage
- Not applicable.
- Snow load impacting outbuildings in 1996
- Lost some of my roof in high winds
- Loss was not in Yakima County
- City water pipe broke and water damaged my basement (rug, wall, floor, pipe)
- Wildfire debris caused minor damage to property (large ambers on roof & patio furniture). Easily repaired ourselves.
- Irrigation line rupture caused flooding within the home.
- Our local irrigation district had a pressurized mainline break after the Nisqually earthquake, and it flooded the lower level of our house.
- Snowstorm that caused damage to my outbuildings. Mountain eruption that caused damage to my home.
- So minor damage to home and office from snow of 1996, minor wind damage at home.
- None in Yakima County.
- Flooding: several times. Latest with loss in full shop/garage and contents. Fencing. Loss of land. Loss of power (and pole) No injuries
- Flooding affected road to our cabin 2 years in a row 2) fire caused us to evacuate our cabin- came to 2 miles from it 2 different years
- Wind and heavy snowfall. Damage to the home.

- No
- I have a second property located in the Cliffdell area and right next to the Naches River. The occasional floods have shifted the main river current to an erosion trough directly next to our property. This current shift has moved the gravel base, causing a shift sluff in the vertical position of the stone fireplace. This structure needs to be replaced. Historically, the valleys and canyons in the Cliffdell area have had frequent 'local' fires and some very large regional fires. The overall region in the Naches watershed has an historical perspective of always being susceptible to sudden and severe events, as far as habitation goes. If there were no humans staying in the region through all seasons, there would be no issues
- The pandemic caused loss of income and food insecurity
- Flooding has damaged immediate family's home-lost house in 1996
- Smoke damage, wildfire on LT Murray This is why we have an evacuation plan in affect with our children
- Broken fencing due to high winds. Hole in shop roof due snow and wind.
- Wind damage at home, wind damage to crops at work
- Tree branches fell on fence from windstorm
- Heavy snow fall caused flooded basement and roof damage to home
- Snow fall that caused damage to my parents' home that I was living in.
- N/A loss did not occur in Yakima County.
- Earthquake large cracks in walls that had to be repaired
- Heavy snowfall caused collapse of a storage building on our property
- Downed trees and utility service lines due to wind and heavy snow. Flooding around/near my residence but not on my property.
- Wildland Fire - Burned all the way around my house to the edge of my yard burning the majority of the fence around approx. 1.5 acres and losing power for 3 days.
- High wind damage to roofing.
- Irrigation water flooded basement; wildfires came very close to our cabin on Chinook.
- Wind damage
- Flooding that broke the dike and tore land away from home area
- Flooding caused by the City of Yakima redirecting flood waters into the lakes adjacent to our building.
- Downed trees, missing shingles
- Loss barn to fire with several animals dying.
- Mount St Helen's roof damage & landscape damage.
- flooding that went through part of my house and garage.
- Snow/ ice caused flooding to my garage. Wind has cut power and downed cable lines
- Wind blowing off roof tiles.
- wind damage to house and outdoor items and windows. work wind damage to roll-up door
- Flooding cutting me off from roads, damage, and loss of personal property due to water damage. Loss of property due to wind damage.
- Snowfall that caused roof damage. Drought that caused loss of crops in garden.
- Flooded basement, neighbor's tall evergreen trees fell on property line during severe windstorm

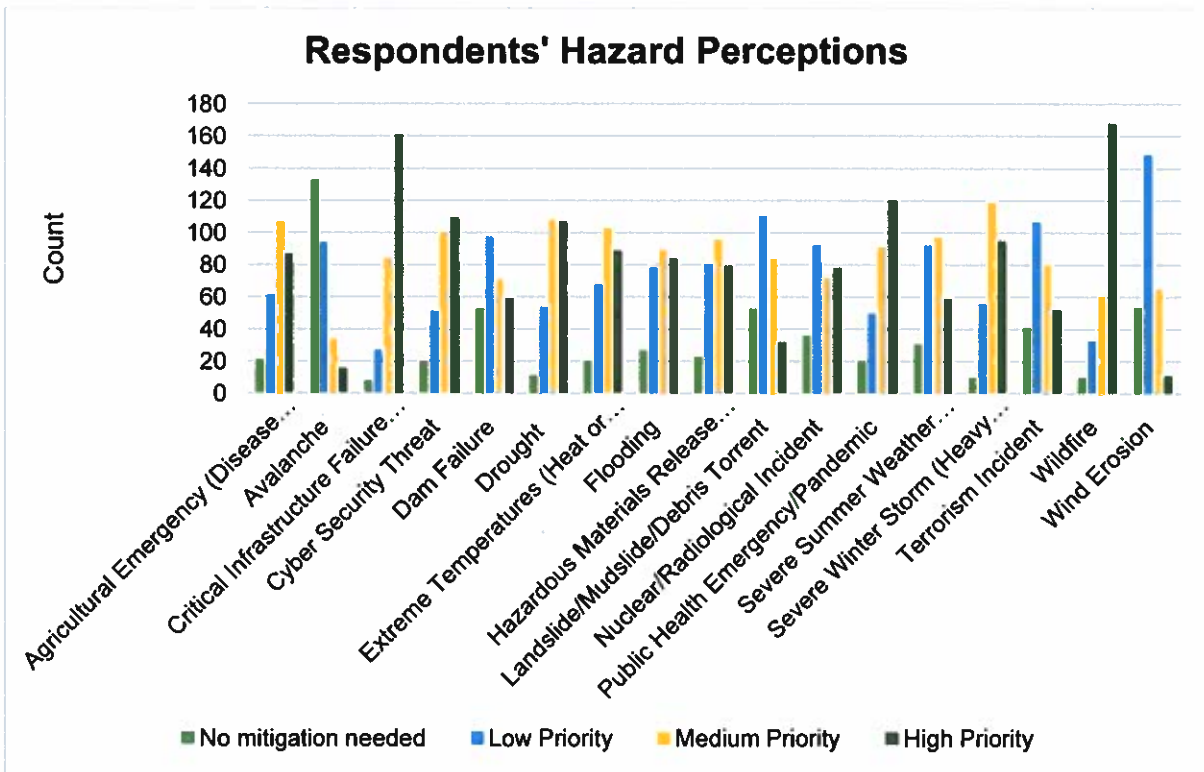
- snow damaged our roof and awnings, wind damaged roof, trees, and home.
- Wildfire that causes environmental and minor damage to home, but complete loss of 2 neighbor's homes.
- During the mount Saint Helens eruption in 1980, my family was impacted on our farm it affected our crops in our livestock and we had to take extreme measures to keep them alive and to care and feed for them. We had to take extreme measures to remove Ash from the leaves of a crops so that irrigation would not burn the leaves due to the high acid reaction of moisture. Air pollution vehicle and HVAC system etc. were impacted
- Windstorm- fence, deck rail, window damage
- Wind - damage to home roofing and siding
- Wildfire in Wenas valley.
- Evans Canyon Fire- surrounded home and destroyed fences which then caused injuries to livestock
- Wind damaged my roof
- Wildfire burned pump house and surrounding property but not the house.
- Floods damaging fences
- Flooding
- Flooding
- Smoke and wind damage from storms and wildfires
- High winds have caused damage to the roof of the house
- I have had trees knocked over from high winds and things like that I'm more at risk from my hillbilly neighbors with their Trump treason flags their general hatred of people that are not exactly like them and their ability to access their massive amount of guns
- None
- Wind brought down trees and fencing
- Hail that damaged our roof.
- Wildfire - loss of house.
- Roof lost from windstorms; no disaster declared
- high winds caused damage to roof
- Windstorm that blew over storage unit and exterior light posts.
- Not in Yakima County.
- Mostly wind removing shingles from my roof.
- Strong winds causing downed trees (damage to house and fence).
- High winds, tree branches breaking free and coming through window.
- Irrigation pipe broke in front of my home causing water to enter my home.
- Flooding
- damage to gravel driveway from flooding.
- Mudslide from stalled rain event filled in back of property and all ponds used as irrigation water, 2013.
- Wind, flood from rainstorm and snow melt, fire, hail. All with varying degrees of damage to home, out buildings and vehicles. Multiple first aid needs, two ER visits and one death. And my dog got hit in the head by a large hail stone and now he can't walk straight and yelps every time he takes a leak.

- Excessive Wind and/or Snowstorms Pandemic Electricity Interruptions Pump/Water Interruptions Basic Needs (groceries, gas, medical services) Interruptions
- Trees falling on multiple occasions during high winds
- May 18th, 1980, Mount St Helens enough said
- None
- Flooding washed out my driveway over 20 years ago when the dam breached up above Ahtanum road. We couldn't get out for 2 days. There was no warning. One neighbor got a call from a utility worker friend who saw the water about to breach the frozen dam and 15 minutes after that call the water hit our community. My house was fine and above the flood plain, but our neighbor's house caught fire when the water rushed under it with the electric wires running under her house. Lots of other homes and roads were affected. The land where all those new housing developments popped up along Ahtanum and 64th were under water. All 3 freeways were flooded over. My flood risk is low because I'll only live above that 100-year flood line now, but you'll probably have another epic flood disaster in those same communities eventually.
- Winter storm that froze up eaves causing water to back under shingles as weather improved causing water damage to our home
- Wind damage to the rood of my home. Smoke inhalation.
- Wind event caused roof damage then rains came that caused ceiling collapse. Wildfire caused smoke damage to inside of my home.
- Mt St. Helens 1980 debris & crop loss flood of 1996 infrastructure loss
- High winds caused a tree to fall on our back deck. No one was hurt; however, the damage required major repairs.
- Wind damage, falling tree limbs
- Minor flooding
- Snow load damage to buildings Hail damage to crops
- Lost my granddaughter's swing set to the wind and many shade devices.
- Smoke damage to our grape vines
- Damage to gutters/roof from ice/snow
- Mt St Helen's in 1980 - self-explanatory. Snowstorm/melting/flooding in early 1996- major roof damage and flooding at our home.
- Windstorm and rain that caused damage to the roof of my home.
- Mt St. Helens
- None
- High wind has removed siding on 2 sides of the house on two different occasions.
- Flood of 1996, and Mt. St Helen's.
- Wind knocked down big trees and my carport.
- Wildfire damage, heavy snowfall, and icing damages.
- Wind damage, excess snow damage
- Flooding
- wind and snow damage to vegetation around home.
- Wind damaged roofing, outbuildings
- Had a roof collapse from heavy snow, Tree blows down causing property damage from windstorm, concrete displacement cracks from earthquakes, severe ashfall from volcano, radon in the soil, lung damage from wildfire smoke

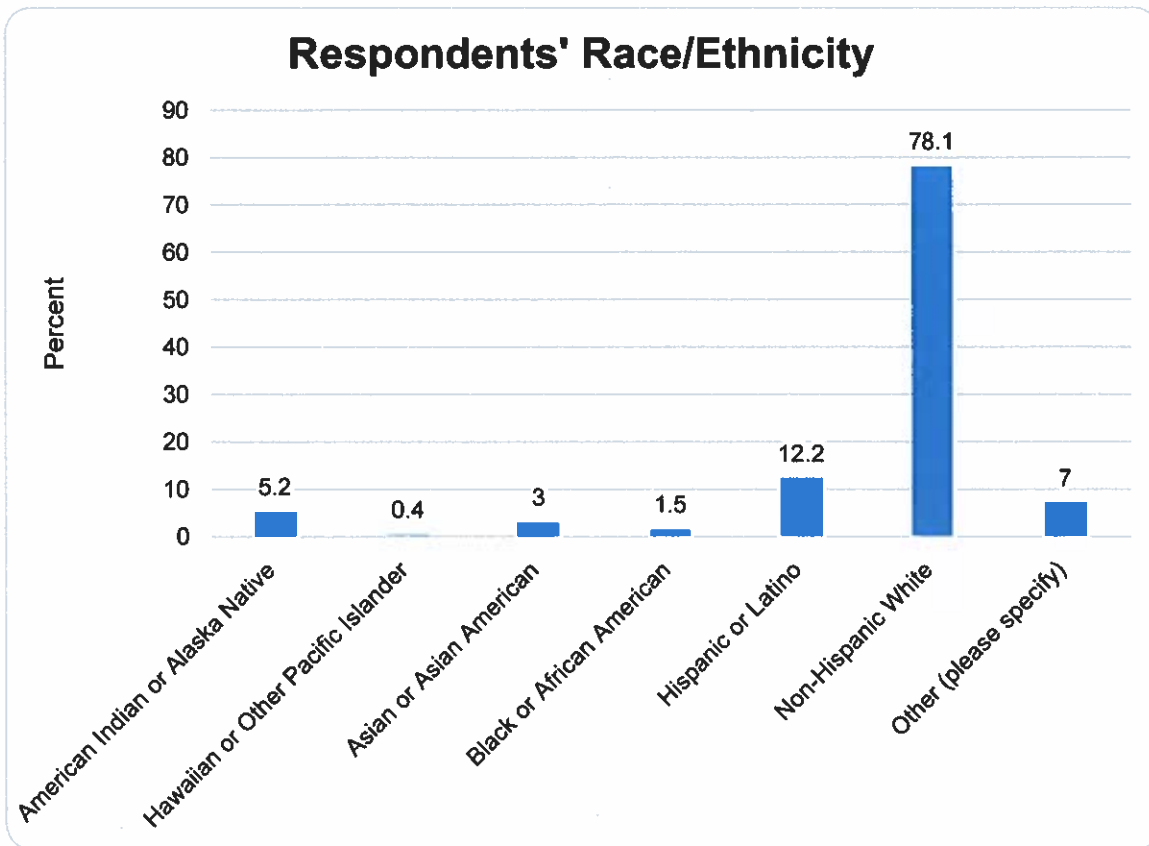
- None
- Our neighborhood was struck by Evans Canyon fire in 2020, we had just moved in 5 days prior. We are, and will be prepared, always. Fire is a terrifying experience. Thank you for all you do to keep us safe.
- Extreme snowfall quickly has made it almost impossible to go anywhere. Sometimes even with a 4-wheeldrive vehicle.

13. Based on YOUR PERCEPTION of your jurisdiction's hazards, to what degree of emphasis would you expect your jurisdiction to mitigate the following hazards?

- **Mitigation definition:** The purpose of mitigation planning is to identify policies and actions that can be implemented over the long term to reduce risk and future losses. Mitigation forms the foundation for a community's long-term strategy to reduce disaster losses and break the cycle of disaster damage, reconstruction, and repeated damage.
 - No Mitigation Needed = No mitigation on this hazard is expected or needed
 - Low Priority = This hazard should be mitigated, but is not a high priority compared to other hazards
 - Medium Priority = It is important to mitigate this hazard
 - High Priority = It is a high priority to emphasize mitigation for this hazard



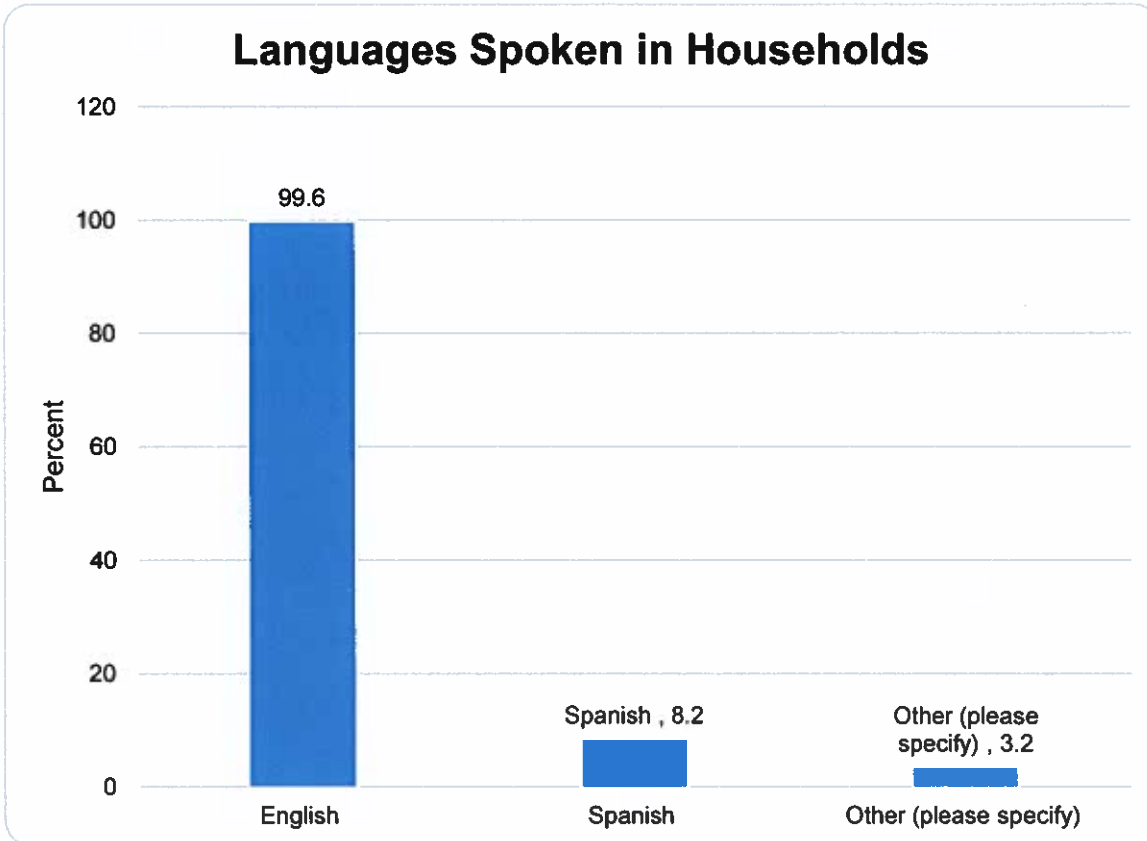
14. Which of the following best describes your race/ethnicity? Please select ALL that apply.



Value	Percent	Count
American Indian or Alaska Native	5.2%	14
Hawaiian or Other Pacific Islander	0.4%	1
Asian or Asian American	3.0%	8
Black or African American	1.5%	4
Hispanic or Latino	12.2%	33
Non-Hispanic White	78.1%	211
Other (please specify)	7.0%	19

Responses for Other	Count
White	4
American	1
Caucasian	1
Dutch American	1
European American	1
Human	1
Jewish	1
More than one	1
White American	1
White/Mexican	1
Who cares? I'm a human being	1
Does not matter	1
Total	15

15. Please indicate the language(s) spoken in your household. Please select ALL that apply.



Value	Percent	Count
English	99.6%	278
Spanish	8.2%	23
Other (please specify)	3.2%	9

Responses for Other	Count
French	1
German, Italian, Japanese, Korean	1
Japanese	1
Javanese	1
Korean	1
Russian	1
Russian, Latin and Portuguese	1

1. ¿Vive y/o trabaja en el condado de Yakima? Seleccione la mejor respuesta que aplique a su situación actual.

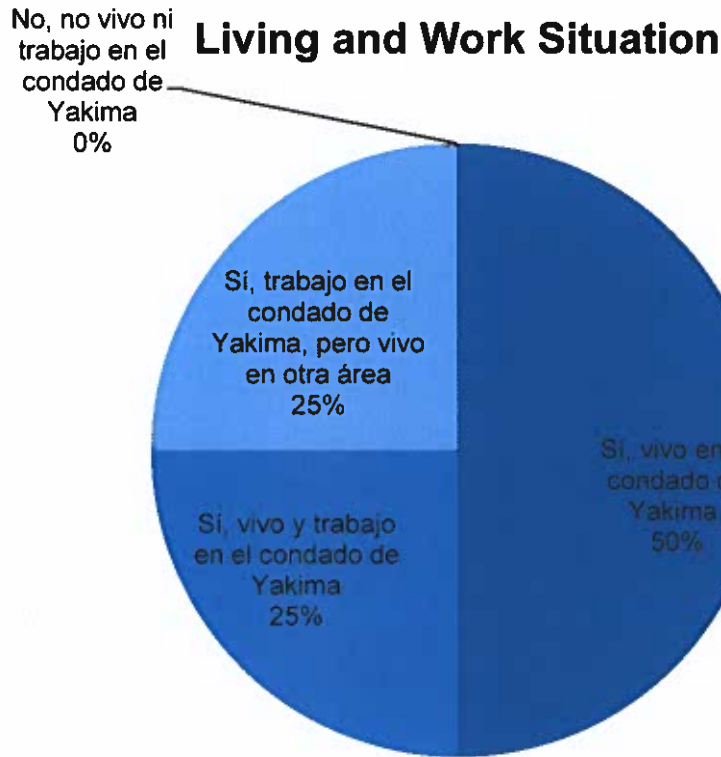


Table C.14. Living and Work Situation

Value	Percent	Count
Sí, vivo en el condado de Yakima.	50%	2
Sí, vivo y trabajo en el condado de Yakima	25%	1
Sí, trabajo en el condado de Yakima, pero vivo en otra área	25%	1
No, no vivo ni trabajo en el condado de Yakima	0%	0
	Total	4

2. Indique en qué comunidad vive dentro del condado de Yakima.

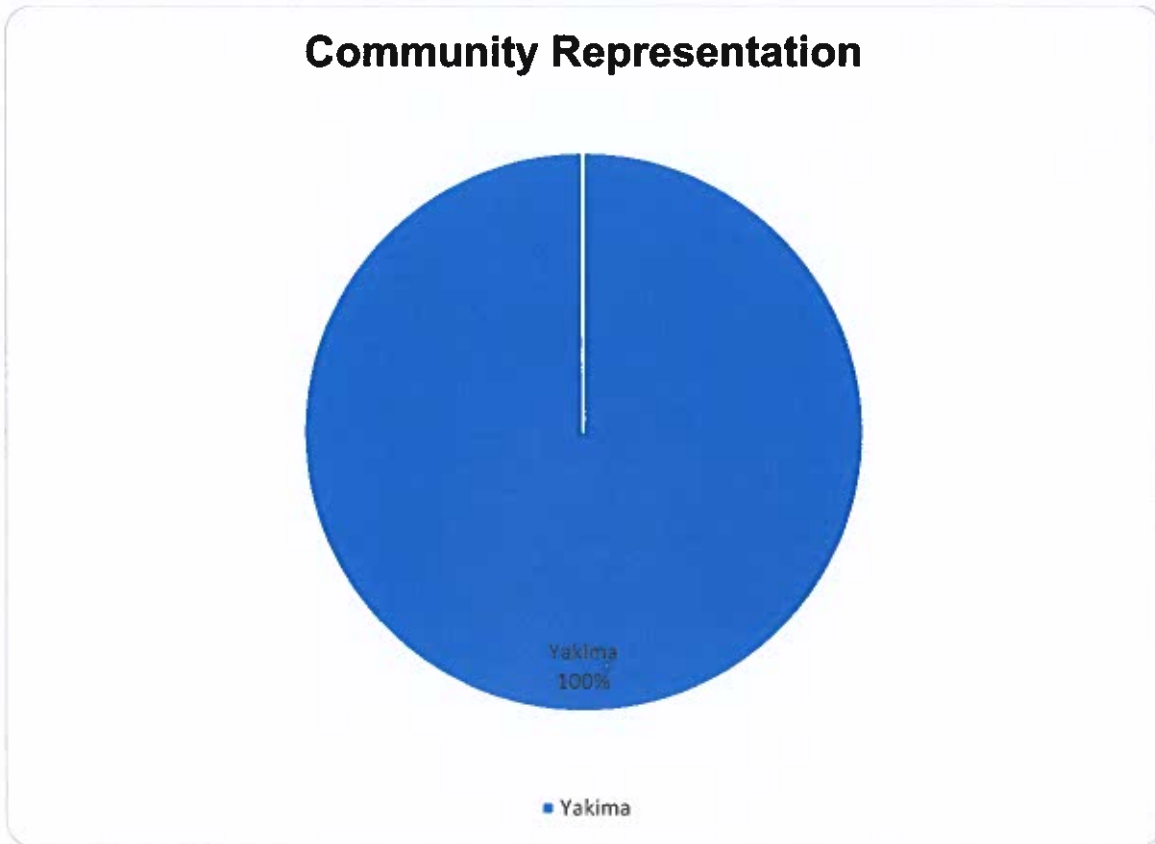


Table C.15. Community Representation

Value	Percent	Count
Yakima	100.0%	1
	Total	1

3. Indique en qué comunidad trabaja dentro del condado de Yakima.

Community Representation

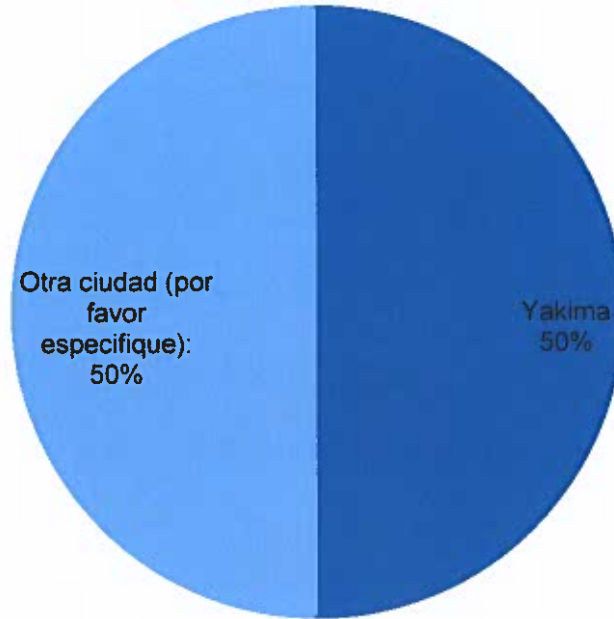


Table C.16. Community Representation

Value	Percent	Count
Yakima	50.0%	1
Otra ciudad (por favor especifique):	50.0%	1
	Total	2

4. Indique las actividades que ha realizado para prepararse para emergencias y desastres. Seleccione todas las respuestas que correspondan a su situación. Yo....

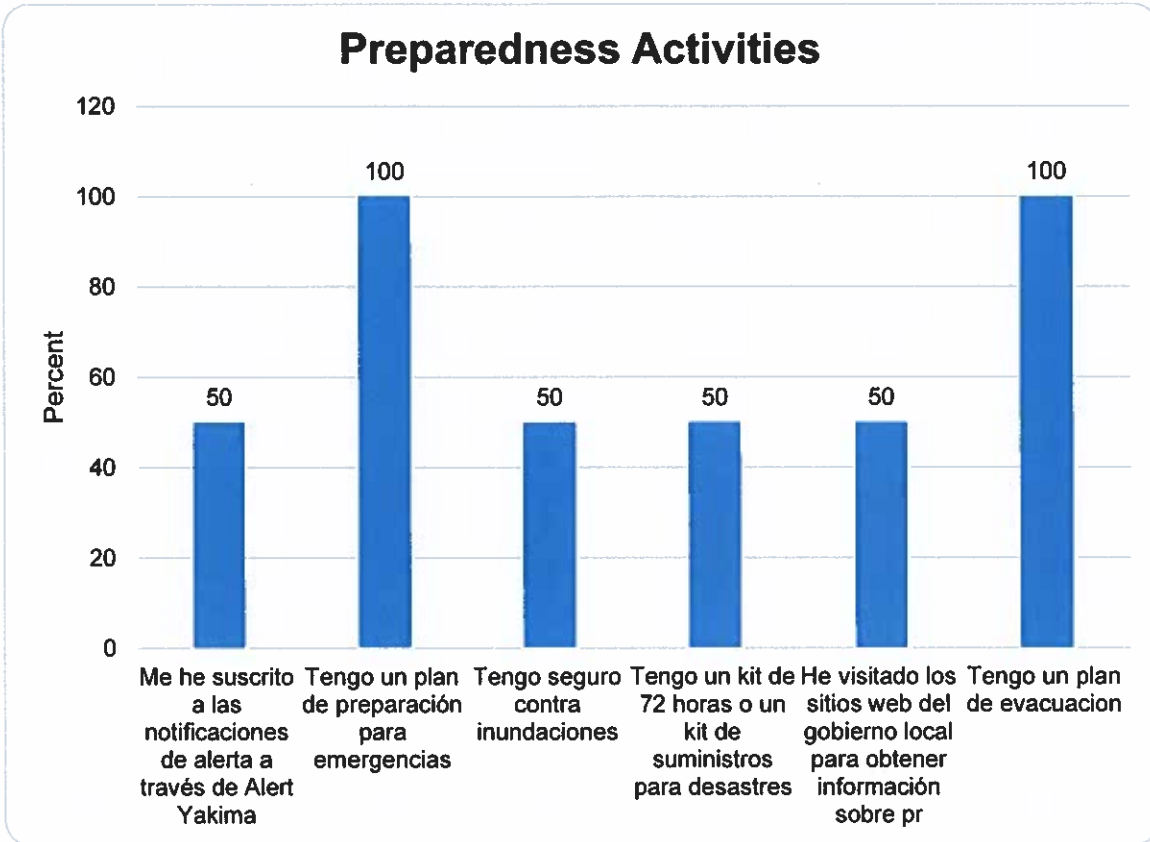


Table C.17. Preparedness Activities

Value	Percent	Count
Me he suscrito a las notificaciones de alerta a través de Alert Yakima	50.0%	1
Tengo un plan de preparación para emergencias	100.0%	2
Tengo seguro contra inundaciones	50.0%	1
Tengo un kit de 72 horas o un kit de suministros para desastres	50.0%	1
He visitado los sitios web del gobierno local para obtener información sobre preparación para emergencias	50.0%	1
Tengo un plan de evacuacion	100.0%	2

5. ¿Qué le ha impedido prepararse para un desastre? Por favor seleccione todas las respuestas que correspondan a su situación.

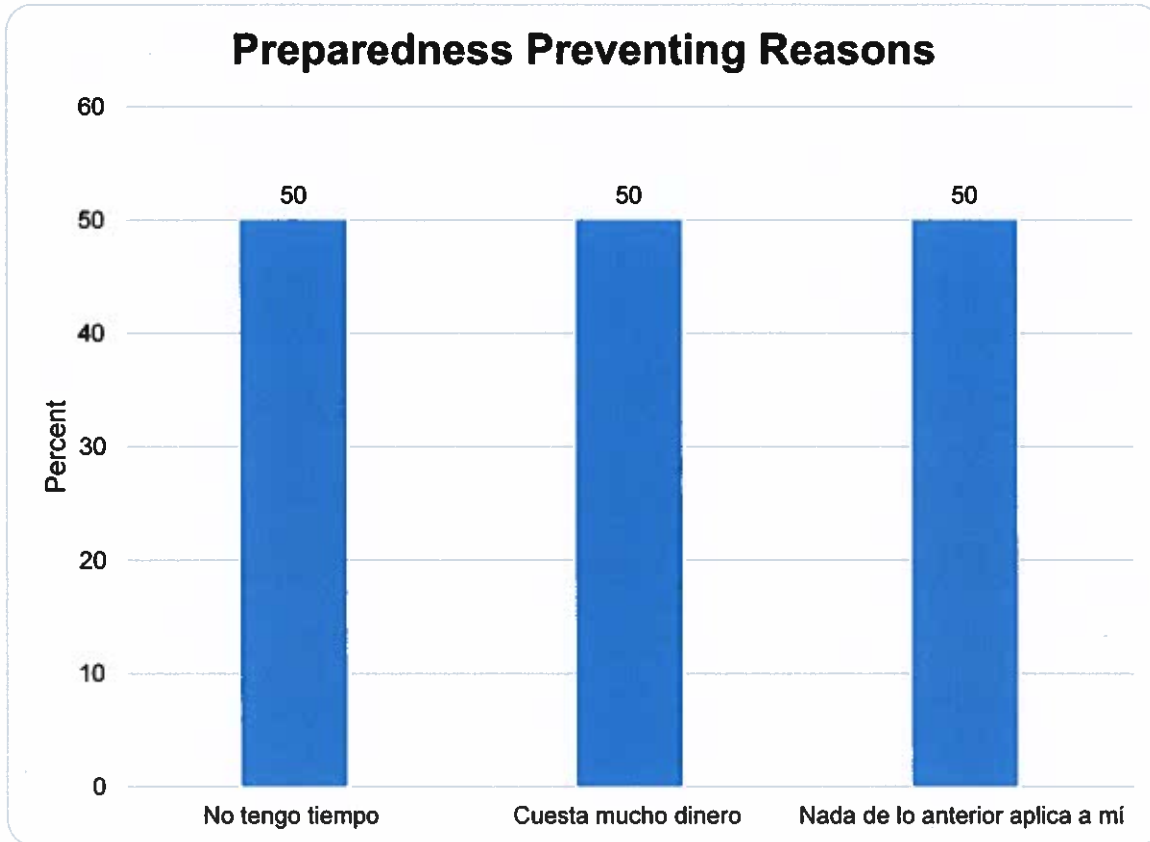


Table C.18. Preparedness Preventing Reasons

Value	Percent	Count
No tengo tiempo	50.0%	1
Cuesta mucho dinero	50.0%	1
Nada de lo anterior aplica a mí	50.0%	1

6. ¿De dónde obtiene su información sobre la preparación para desastres? Por favor seleccione todas las respuestas que correspondan a su situación.

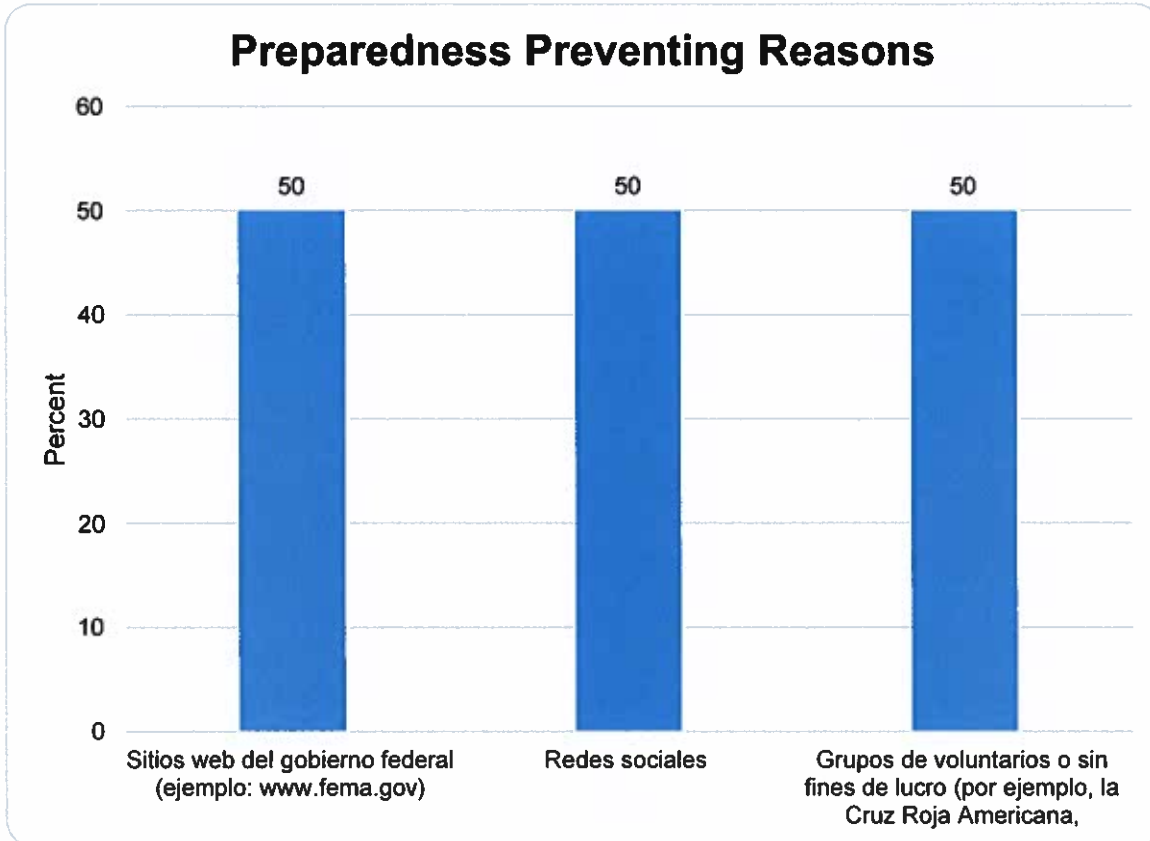
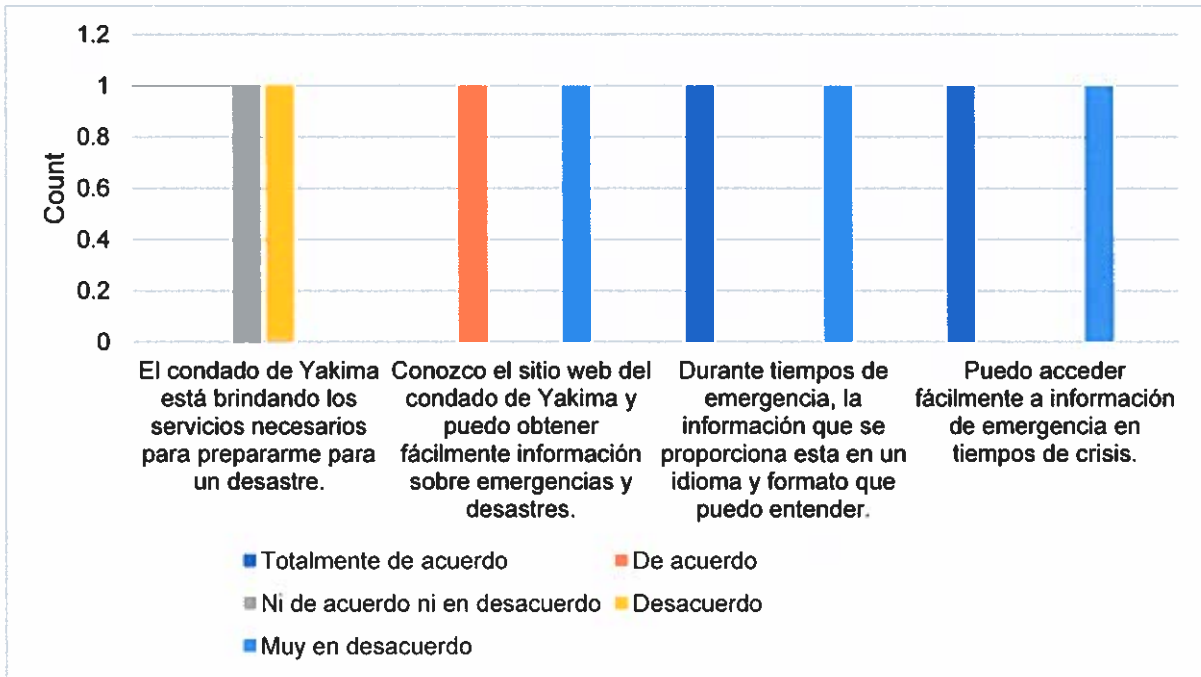


Table C.19. Preparedness Preventing Reasons

Value	Percent	Count
Sitios web del gobierno federal (ejemplo: www.fema.gov)	50.0%	1
Redes sociales	50.0%	1
Grupos de voluntarios o sin fines de lucro (por ejemplo, la Cruz Roja Americana, el Ejército de Salvación, etc.)	50.0%	1

7. ¿Estaría de acuerdo o en desacuerdo con las siguientes declaraciones?



8. Indique cómo el condado de Yakima puede mejor ayudarlo a prepararse para emergencias y desastres.

- Provide access to information.

9. Si un desastre (es decir, una tormenta de nieve) impacta el condado de Yakima y los deja sin electricidad ni agua corriente, ¿podría su hogar valerle por sí mismo durante al menos siete (7) días?

Household Impact After Disaster

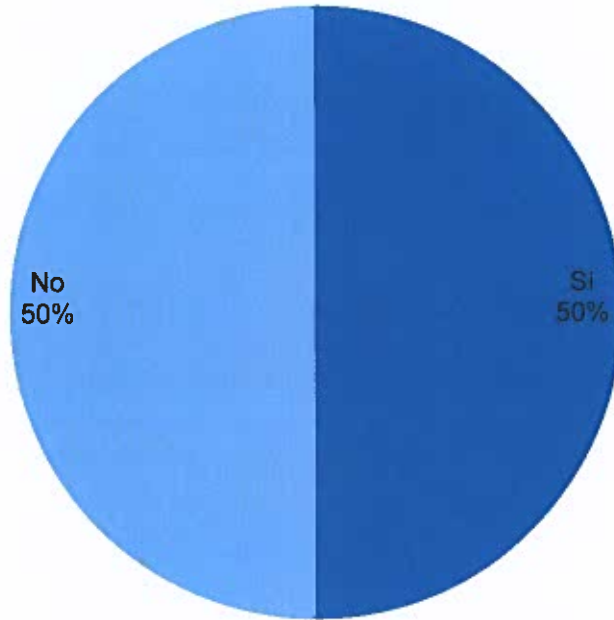
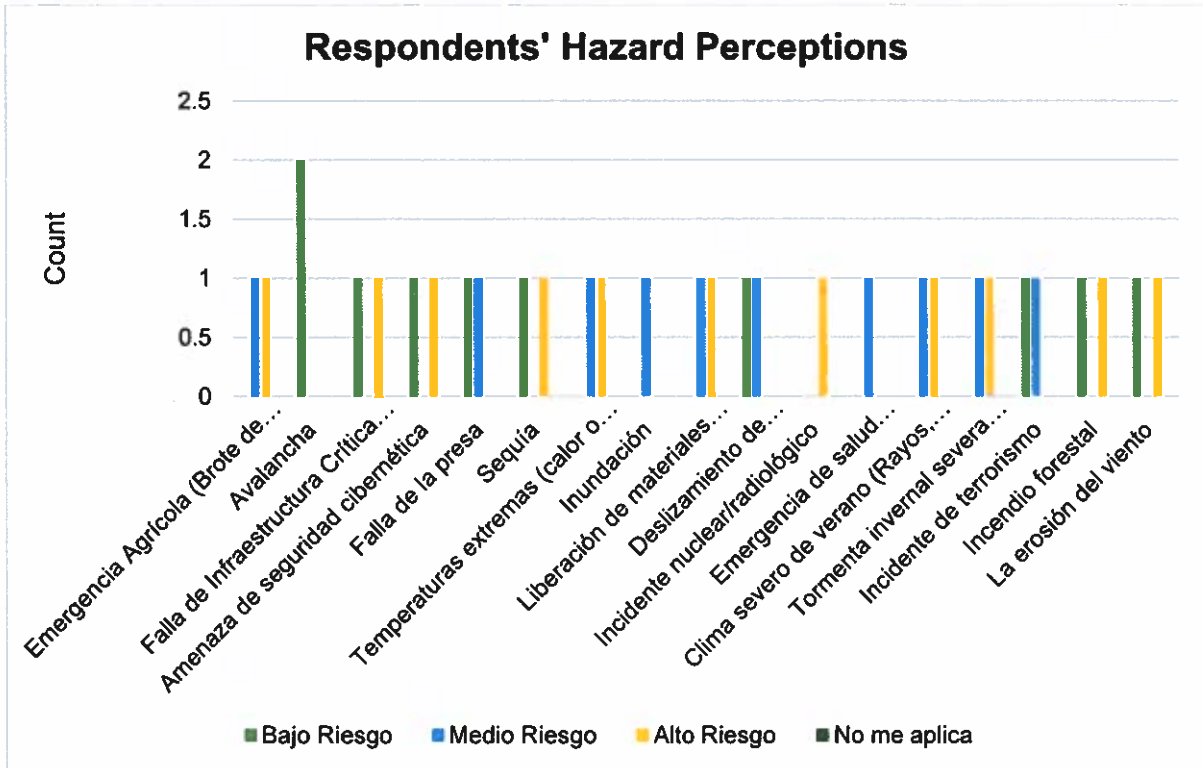


Table C.20. Household Impact After Disaster

Value	Percent	Count
Sí	50.0%	1
No	50.0%	1
	Total	2

10. ¿Cree que su hogar y/o lugar de trabajo podría alguna vez verse amenazado por los siguientes peligros? Califique qué peligros presentan el mayor riesgo.

- **Bajo Riesgo** = Bajo impacto en la amenaza a la vida y daños a la propiedad
- **Riesgo Medio** = Impacto medio en la amenaza a la vida y daños a la propiedad
- **Alto Riesgo** = Alto impacto en la amenaza a la vida y daños a la propiedad



11. Seleccione la respuesta que mejor describa su experiencia.

Respondents' Damage Experiences

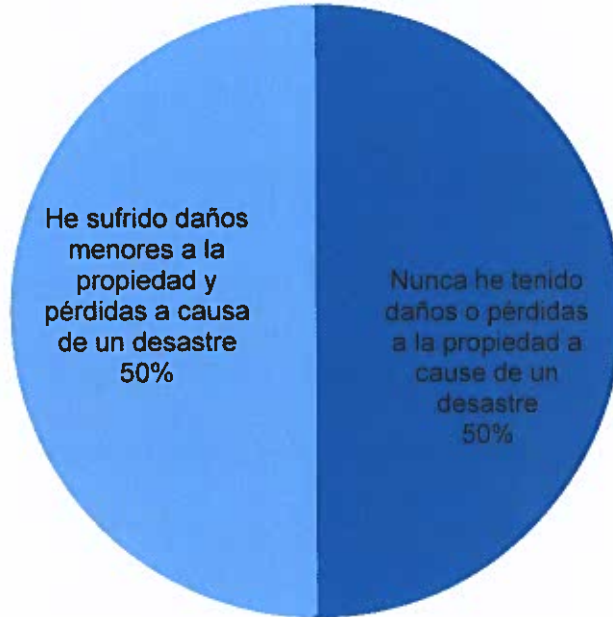


Table C.21. Respondents' Damage Experiences

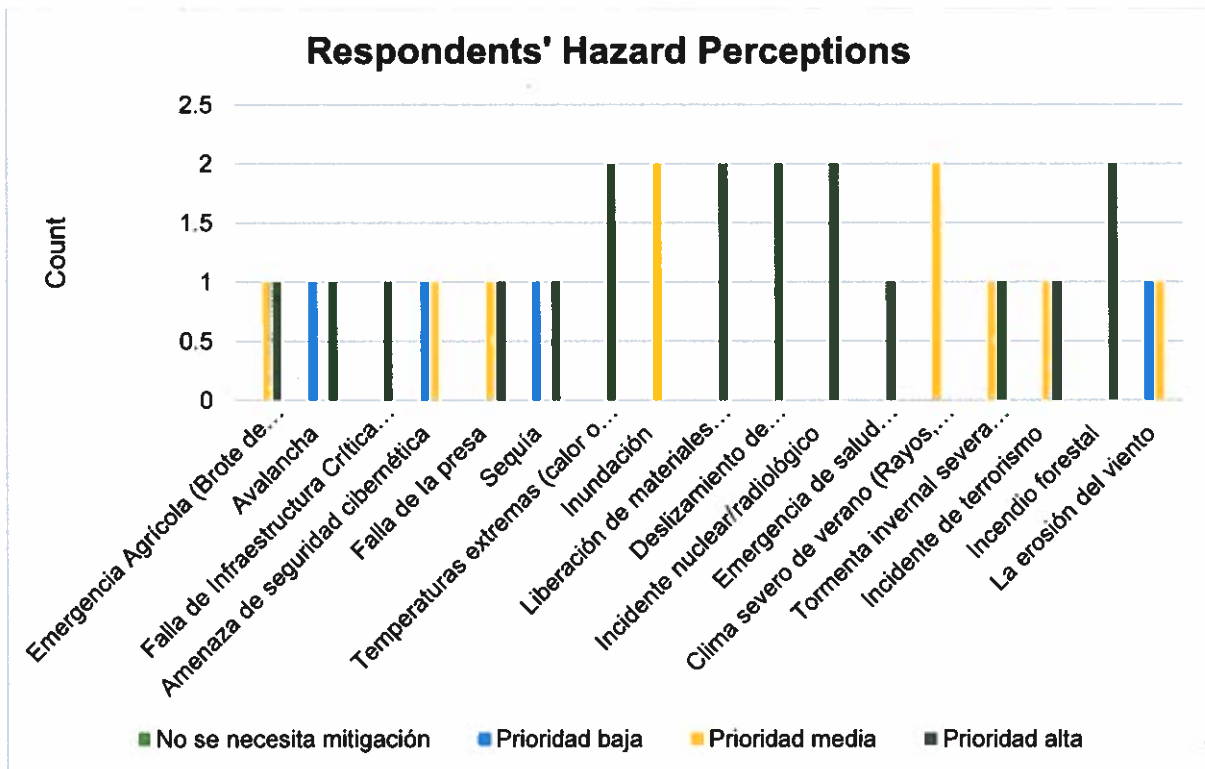
Value	Percent	Count
Nunca he tenido daños o pérdidas a la propiedad a cause de un desastre	50.0%	1
He sufrido daños menores a la propiedad y pérdidas a causa de un desastre	50.0%	1
	Total	2

12. Si ha sufrido daños a causa de un desastre en el condado de Yakima, anote los peligros y describa brevemente los daños, pérdidas y/o lesiones? (Ejemplo: Inundación que causó daños a mi hogar)

- Flooding

13. Con base en SU PERCEPCIÓN de los peligros de su jurisdicción, ¿hasta qué grado esperaría que su jurisdicción mitigara los siguientes peligros?

- **Definición de mitigación:** El propósito de la planificación de la mitigación es identificar pólizas y acciones que puedan implementarse a largo plazo para reducir el riesgo y las pérdidas futuras. La mitigación forma la base de la estrategia a largo plazo de una comunidad para reducir las pérdidas por desastres y romper el ciclo de daños por desastres, reconstrucción y daños repetidos.
 - **No se necesita mitigación = No se espera ni se necesita mitigación de este peligro**
 - **Prioridad baja = Este peligro debe mitigarse, pero no es de alta prioridad en comparación con otros peligros**
 - **Prioridad media = Es importante mitigar este peligro**
 - **Prioridad alta = Es de alta prioridad enfatizar la mitigación de este peligro**



14. ¿Cuál de las siguientes describe mejor su raza/origen étnico? Por favor seleccione todas las respuestas que correspondan a su persona.

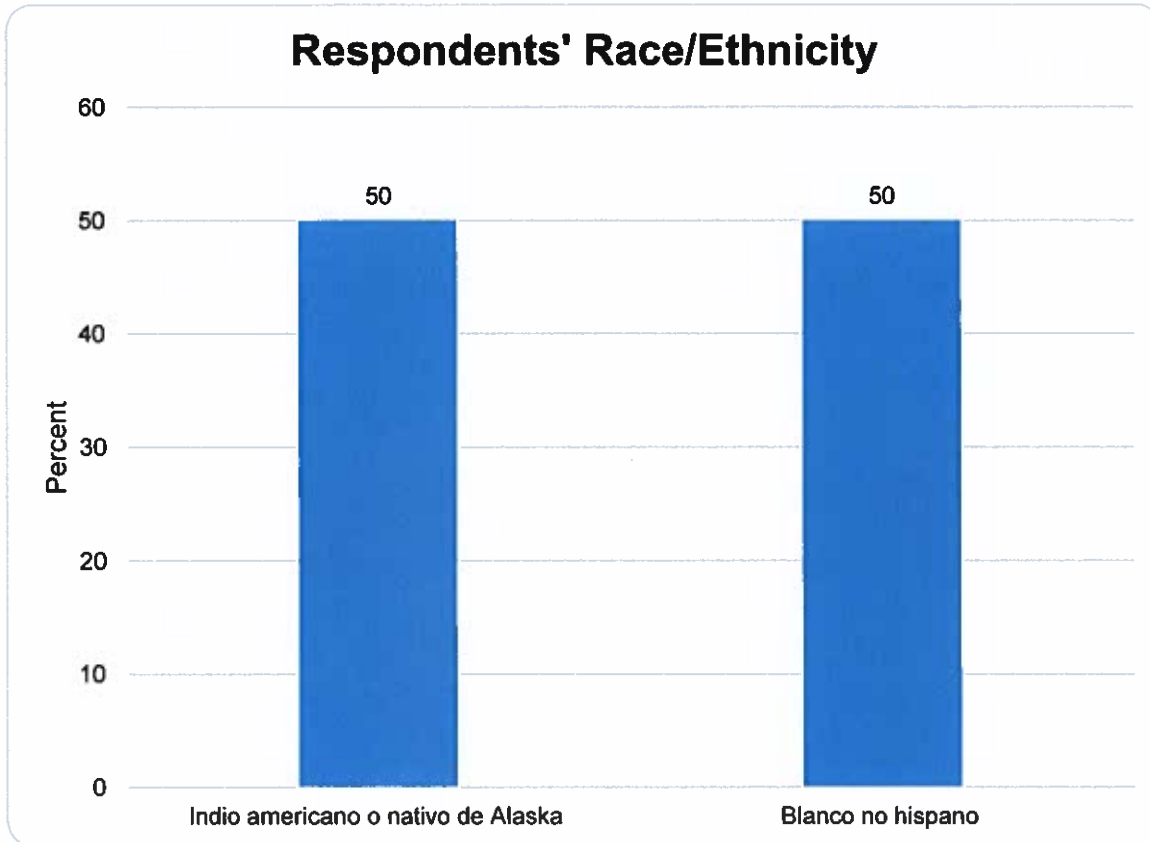


Table C.22. Respondents' Race/Ethnicity

Value	Percent	Count
Indio americano o nativo de Alaska	50.0%	1
Blanco no hispano	50.0%	1
	Total	2

15. Indique los idiomas que se hablan en su hogar. Por favor seleccione todas las respuestas que correspondan a su situación.

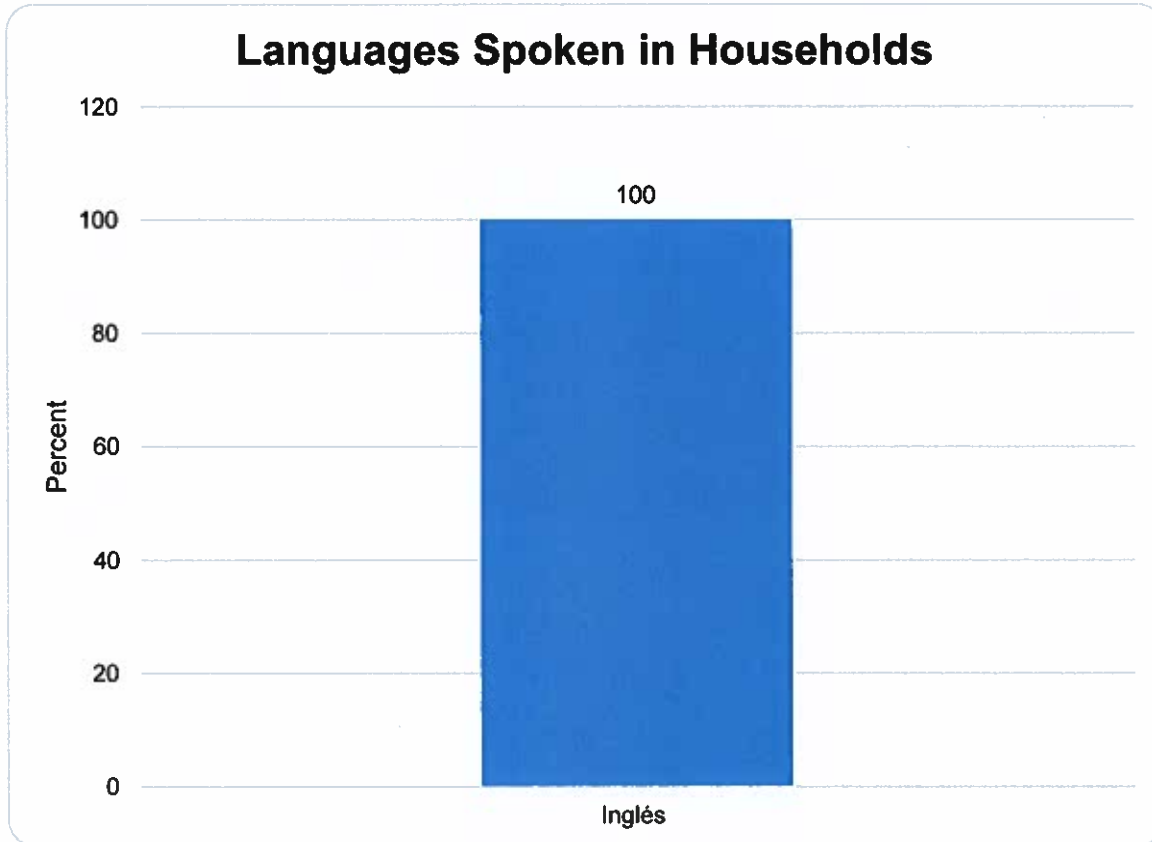


Table C.23. Languages Spoken in Households

Value	Percent	Count
Inglés	100.0%	2
	Total	2

APPENDIX D. COMPLETE HAZARD HISTORY FOR YAKIMA COUNTY

The table below provides a summary of all hazard events impacting Yakima County as recorded in the NOAA Storm Events Database. This resource is inclusive of many natural hazards, but does not record all types of events, including wildfires.

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
Totals:					3	15	53.120M	235.553M
<u>YAKIMA CO.</u>	YAKIMA CO.	4/30/1957	Tornado	F2	0	0	2.50K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	5/25/1961	Thunderstorm Wind	57 kts.	0	0	0.00K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	5/25/1961	Thunderstorm Wind	70 kts.	0	0	0.00K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	6/9/1972	Thunderstorm Wind	60 kts.	0	0	0.00K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	8/9/1982	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	5/12/1988	Thunderstorm Wind	53 kts.	0	0	0.00K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	5/17/1989	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	6/28/1992	Thunderstorm Wind	54 kts.	0	0	0.00K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	4/29/1993	Hail	0.62 in.	0	0	0.00K	0.00K
<u>YAKIMA CO.</u>	YAKIMA CO.	7/24/1994	Thunderstorm Wind	0 kts.	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/19/1996	Heavy Snow		1	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/27/1996	Ice Storm		0	0	0.00K	0.00K
<u>EAST YAKIMA/EAST KLICKIT...</u>	EAST YAKIMA/EAST KLICKIT...	12/4/1996	Heavy Snow		0	3	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/27/1996	Heavy Snow		0	1	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/28/1996	Heavy Snow		0	0	30.000M	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/29/1996	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/30/1996	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/17/1997	Ice Storm		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	2/17/1997	Flood		0	0	0.00K	0.00K
<u>WHITE SWAN</u>	YAKIMA CO.	8/26/1997	Tornado	F0	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/3/1998	Winter Storm		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/10/1998	Heavy Snow		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	1/14/1998	Winter Storm		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/11/1998	Heavy Snow		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	12/5/1998	Heavy Snow		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	12/24/1998	Winter Storm		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/25/1998	Winter Storm		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/27/1998	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/28/1998	Flood		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/22/1999	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/2/1999	High Wind	40 kts.	0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	2/2/1999	High Wind	42 kts.	0	0	0.00K	0.00K
<u>GLEED</u>	YAKIMA CO.	5/9/1999	Tornado	F0	0	0	0.00K	0.00K
<u>COWICHE</u>	YAKIMA CO.	5/29/1999	Strong Wind		0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	8/6/1999	Lightning		0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	8/6/1999	Thunderstorm Wind		0	0	5.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	10/27/1999	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/2/1999	High Wind	40 kts.	0	0	20.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	1/15/2000	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/1/2000	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	5/9/2000	High Wind		0	0	25.00K	0.00K
<u>ZILLAH</u>	YAKIMA CO.	5/15/2000	Tornado	F0	0	0	0.00K	0.00K
<u>TAMPICO</u>	YAKIMA CO.	7/17/2000	Wildfire		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>WHITE SWAN</u>	YAKIMA CO.	7/17/2000	Wildfire		0	0	0.00K	0.00K
<u>MABTON</u>	YAKIMA CO.	8/23/2000	Lightning		0	0	900.00K	100.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	9/8/2000	High Wfnd	34 kts. M	0	0	5.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	11/29/2000	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/15/2000	High Wfnd	41 kts. E	0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	12/23/2000	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	3/13/2001	High Wfnd	48 kts. M	0	2	80.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	5/19/2001	High Wfnd	48 kts. E	0	0	20.00K	0.00K
<u>MABTON</u>	YAKIMA CO.	5/27/2001	Lightning		0	0	0.00K	0.00K
<u>BUENA</u>	YAKIMA CO.	6/27/2001	Hail	1.00 in.	0	0	200.00K	70.000M
<u>SUNNYSIDE</u>	YAKIMA CO.	6/27/2001	Hail	0.88 in.	0	0	0.00K	0.00K
<u>GRANDVIEW</u>	YAKIMA CO.	6/27/2001	Thunderstorm Wind		0	0	15.00K	0.00K
<u>MABTON</u>	YAKIMA CO.	6/27/2001	Hail	0.75 in.	0	0	0.00K	0.00K
<u>GRANDVIEW</u>	YAKIMA CO.	6/27/2001	Hail	0.75 in.	0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	10/16/2001	High Wfnd	36 kts. M	0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	10/23/2001	High Wfnd		0	0	25.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/28/2001	Heavy Snow		0	0	100.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	4/14/2002	High Wfnd	57 kts. E	0	0	100.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	6/7/2002	Dust Storm		0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	6/10/2002	Lightning		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/10/2002	Heat		0	0	0.00K	0.00K
<u>WHITE SWAN</u>	YAKIMA CO.	9/13/2002	Wildfire		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Mag</u>	<u>Deaths</u>	<u>Injuries</u>	<u>Property Damage</u>	<u>Crop Damage</u>
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	10/30/2002	Extreme Cold/wind Chill		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	11/1/2002	Extreme Cold/wind Chill		0	0	0.00K	65.000M
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/1/2002	Dense Fog		1	1	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	12/26/2002	Heavy Snow		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	1/22/2003	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	1/22/2003	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	1/31/2003	Flood		0	0	3.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	1/31/2003	Flood		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	2/1/2003	Flood		0	0	0.00K	0.00K
<u>SUNNYSIDE</u>	YAKIMA CO.	2/27/2003	Dust Devil		0	0	1.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	3/5/2003	High Wind	50 kts. EG	0	0	1.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	3/7/2003	Heavy Snow		0	0	0.00K	0.00K
<u>WHITE SWAN</u>	YAKIMA CO.	5/17/2003	Funnel Cloud		0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	8/5/2003	Thunderstorm Wind	48 kts. MG	0	0	2.00K	0.00K
<u>TOPPENISH</u>	YAKIMA CO.	10/28/2003	Wildfire		0	0	0.00K	0.00K
<u>GRANGER</u>	YAKIMA CO.	10/28/2003	Wildfire		0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	11/19/2003	High Wind	52 kts. MG	0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	12/1/2003	Heavy Snow		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	12/13/2003	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/1/2004	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/4/2004	Cold/wind Chill		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/6/2004	Heavy Snow		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	1/8/2004	Winter Weather		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Mag</u>	<u>Deaths</u>	<u>Injuries</u>	<u>Property Damage</u>	<u>Crop Damage</u>
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	1/8/2004	Ice Storm		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/15/2004	Dense Fog		0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	1/28/2004	Winter Weather		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/30/2004	Strong Wind	45 kts. EG	0	0	4.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	2/25/2004	Heavy Snow		0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	4/27/2004	Strong Wind	49 kts. MG	0	0	1.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	4/27/2004	Dust Storm		0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	4/27/2004	High Wind	50 kts. EG	0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	5/19/2004	Flash Flood		0	0	0.00K	0.00K
<u>SELAH</u>	YAKIMA CO.	5/20/2004	Flash Flood		0	0	2.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	7/1/2004	Wildfire		0	0	1.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	7/30/2004	Wildfire		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	8/1/2004	Wildfire		0	0	0.00K	0.00K
<u>MABTON</u>	YAKIMA CO.	8/22/2004	Heavy Rain		0	0	0.00K	450.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	12/19/2004	High Wind	50 kts. EG	0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	12/28/2004	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/1/2005	Winter Weather		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/7/2005	Heavy Snow		0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	1/15/2005	Heavy Snow		0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	1/17/2005	Ice Storm		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	1/27/2005	Dense Fog		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	3/9/2005	Volcanic Ash		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	3/16/2005	High Wind	53 kts. MG	0	0	35.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	3/16/2005	Dust Storm		0	1	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	3/16/2005	Wildfire		0	0	0.00K	3.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	4/12/2005	Frost/freeze		0	0	0.00K	50.000M
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	4/13/2005	Frost/freeze		0	0	0.00K	50.000M
<u>SUNNYSIDE</u>	YAKIMA CO.	4/23/2005	Flash Flood		0	0	0.00K	0.00K
<u>TOPPENISH</u>	YAKIMA CO.	4/23/2005	Tornado	F0	0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	4/23/2005	Flash Flood		0	0	0.00K	0.00K
<u>SELAH</u>	YAKIMA CO.	4/23/2005	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
<u>SUNNYSIDE</u>	YAKIMA CO.	5/9/2005	Flash Flood		0	0	2.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	5/9/2005	Funnel Cloud		0	0	0.00K	0.00K
<u>TERRACE HGTS</u>	YAKIMA CO.	5/9/2005	Tornado	F0	0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	5/9/2005	Flash Flood		0	0	3.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	6/21/2005	Strong Wind	40 kts. MG	0	0	1.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/19/2005	Heat		1	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	8/12/2005	Dust Storm		0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	10/1/2005	Hail	0.75 in.	0	0	0.00K	0.00K
<u>TERRACE HGTS</u>	YAKIMA CO.	10/1/2005	Hail	0.75 in.	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/1/2005	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/17/2006	High Wind	57 kts. EG	0	0	0.00K	0.00K
<u>E KITTITAS (ZONE)</u>	E KITTITAS (ZONE)	4/29/2006	Dust Storm		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	4/29/2006	High Wind	52 kts. EG	0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	4/29/2006	Dust Storm		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Mag</u>	<u>Deaths</u>	<u>Injuries</u>	<u>Property Damage</u>	<u>Crop Damage</u>
<u>NACHES</u>	YAKIMA CO.	5/17/2006	Flood		0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	5/18/2006	Lightning		0	0	35.00K	0.00K
<u>TIETON</u>	YAKIMA CO.	7/4/2006	Hail	0.75 in.	0	0	0.00K	0.00K
<u>E YAKIMA (ZONE)</u>	E YAKIMA (ZONE)	7/21/2006	Heat		0	0	0.00K	0.00K
<u>HARRAH</u>	YAKIMA CO.	8/16/2006	Hail	0.88 in.	0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	11/6/2006	Flood		0	0	0.00K	0.00K
<u>PARKER</u>	YAKIMA CO.	11/7/2006	Flood		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/26/2006	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/14/2006	Winter Storm		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/14/2006	High Wind	50 kts. EG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/23/2006	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/25/2006	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/26/2006	Winter Storm		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/7/2007	High Wind	52 kts. MG	0	0	50.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/16/2007	Winter Weather		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	1/29/2007	High Wind	52 kts. EG	0	0	7.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	3/12/2007	Flood		0	0	0.00K	0.00K
<u>WHITE SWAN</u>	YAKIMA CO.	5/3/2007	Hail	0.88 in.	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	6/24/2007	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/28/2007	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/1/2007	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	1/8/2008	Heavy Snow		0	0	0.00K	0.00K

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<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Mag</u>	<u>Deaths</u>	<u>Injuries</u>	<u>Property Damage</u>	<u>Crop Damage</u>
<u>UNION GAP</u>	YAKIMA CO.	4/7/2008	Tornado	EF0	0	0	0.00K	0.00K
<u>CLIFFDELL</u>	YAKIMA CO.	5/16/2008	Flood		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	6/29/2008	Excessive Heat		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	8/15/2008	Excessive Heat		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	12/17/2008	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/20/2008	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/6/2009	High Wind	66 kts. EG	0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	1/6/2009	High Wind	43 kts. ES	0	0	0.00K	0.00K
<u>WAPATO</u>	YAKIMA CO.	1/7/2009	Flood		0	0	1.570M	0.00K
<u>POMONA</u>	YAKIMA CO.	1/7/2009	Flood		0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	1/8/2009	Flood		0	0	0.00K	0.00K
<u>WAPATO</u>	YAKIMA CO.	4/14/2009	Hail	1.00 in.	0	0	0.00K	0.00K
<u>BIRCHFIELD</u>	YAKIMA CO.	4/14/2009	Hail	0.75 in.	0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	5/19/2009	Flood		0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	5/29/2009	Flood		0	0	0.00K	0.00K
<u>TERRACE HGTS</u>	YAKIMA CO.	6/5/2009	Hail	0.75 in.	0	0	0.00K	0.00K
<u>TERRACE HGTS</u>	YAKIMA CO.	8/12/2009	Funnel Cloud		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	8/20/2009	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/14/2009	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/31/2009	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	5/3/2010	Dust Storm		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	5/3/2010	High Wind	52 kts. EG	0	0	50.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	7/12/2010	High Wind	36 kts. MS	0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>RIMROCK</u>	YAKIMA CO.	7/26/2010	Flash Flood		0	0	0.00K	0.00K
<u>SELAH HGTS</u>	YAKIMA CO.	7/28/2010	Heavy Rain		0	0	0.00K	0.00K
<u>RIMROCK TIETON ARPT</u>	YAKIMA CO.	7/31/2010	Hail	1.00 in.	0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	7/31/2010	Hail	0.75 in.	0	0	0.00K	0.00K
<u>BROWNSTOWN</u>	YAKIMA CO.	7/31/2010	Hail	1.00 in.	0	0	0.00K	0.00K
<u>AHTANUM</u>	YAKIMA CO.	7/31/2010	Hail	0.88 in.	0	0	0.00K	0.00K
<u>YAKIMA</u>	YAKIMA CO.	7/31/2010	Hail	1.00 in.	0	0	0.00K	0.00K
<u>CREWPORT</u>	YAKIMA CO.	7/31/2010	Flash Flood		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/15/2010	High Wind	50 kts. EG	0	0	100.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	11/15/2010	High Wind	56 kts. MG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/15/2010	High Wind	68 kts. MG	0	0	25.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/21/2010	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/23/2010	Extreme Cold/wind Chill		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/30/2010	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/11/2010	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/8/2011	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	1/11/2011	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/11/2011	Heavy Snow		0	0	0.00K	0.00K
<u>PRIEST RAPIDS</u>	YAKIMA CO.	1/16/2011	Flood		0	0	1.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	1/17/2011	High Wind	68 kts. MG	0	0	50.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/12/2011	Wildfire		0	2	4.000M	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	2/12/2011	Strong Wind	47 kts. MG	0	0	10.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	2/21/2011	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	2/27/2011	Heavy Snow		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	2/28/2011	Heavy Snow		0	0	0.00K	0.00K
<u>TIETON</u>	YAKIMA CO.	3/31/2011	Flood		0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	4/1/2011	Flood		0	0	0.00K	0.00K
<u>UNION GAP</u>	YAKIMA CO.	4/1/2011	Flood		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	4/6/2011	Wildfire		0	0	180.00K	0.00K
<u>CLIFFDELL</u>	YAKIMA CO.	5/15/2011	Flood		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	5/15/2011	Debris Flow		0	0	0.00K	0.00K
<u>POMONA</u>	YAKIMA CO.	5/15/2011	Flood		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	6/15/2011	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	6/16/2011	Wildfire		0	0	15.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	9/7/2011	Wildfire		0	0	4.500M	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/13/2011	High Wind	52 kts. EG	0	0	5.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/13/2011	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/14/2011	High Wind	70 kts. MG	0	0	1.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/17/2011	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/16/2012	Heavy Snow		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	1/17/2012	Heavy Snow		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/18/2012	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/19/2012	Winter Storm		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/21/2012	High Wind	51 kts. MG	0	0	10.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	2/22/2012	High Wind	60 kts. MG	0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	2/25/2012	High Wind	52 kts. MG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/28/2012	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	3/11/2012	Dust Storm		0	0	100.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	3/20/2012	Heavy Snow		0	0	0.00K	0.00K
<u>SATUS</u>	YAKIMA CO.	3/30/2012	Flood		0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	4/23/2012	Flood		0	0	0.00K	0.00K
<u>PARKER</u>	YAKIMA CO.	4/24/2012	Flood		0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	6/4/2012	Flood		0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	6/17/2012	Flood		0	0	0.00K	0.00K
<u>(YKM)YAKIMA AIR TERM</u>	YAKIMA CO.	7/8/2012	Thunderstorm Wind	60 kts. EG	0	0	10.00K	0.00K
<u>HARRAH ARPT</u>	YAKIMA CO.	7/8/2012	Thunderstorm Wind	50 kts. EG	0	0	20.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	7/17/2012	Debris Flow		0	0	0.00K	0.00K
<u>SUNNYSIDE</u>	YAKIMA CO.	7/20/2012	Hail	1.25 in.	0	0	0.00K	0.00K
<u>SUNNYSIDE</u>	YAKIMA CO.	7/20/2012	Hail	1.50 in.	0	0	0.00K	0.00K
<u>SUNNYSIDE BROADVIEW</u>	YAKIMA CO.	7/20/2012	Flash Flood		0	0	0.00K	0.00K
<u>SUNNYSIDE BROADVIEW</u>	YAKIMA CO.	7/20/2012	Hail	1.75 in.	0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	8/13/2012	Wildfire		0	0	8.300M	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Mag</u>	<u>Deaths</u>	<u>Injuries</u>	<u>Property Damage</u>	<u>Crop Damage</u>
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/12/2012	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/7/2012	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/16/2012	Winter Storm		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/19/2012	Winter Storm		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/25/2012	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/25/2012	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/7/2013	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	4/14/2013	Heavy Snow		0	0	0.00K	0.00K
<u>BRACE</u>	YAKIMA CO.	5/7/2013	Flood		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	5/22/2013	Heavy Snow		0	0	0.00K	0.00K
<u>HARWOOD</u>	YAKIMA CO.	6/29/2013	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
<u>NORTH PROSSER</u>	YAKIMA CO.	6/29/2013	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
<u>SUNNYSIDE MUN ARPT</u>	YAKIMA CO.	6/29/2013	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
<u>SUNNYSIDE</u>	YAKIMA CO.	6/29/2013	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	7/24/2013	Wildfire		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	7/27/2013	Wildfire		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	8/1/2013	Wildfire		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	8/1/2013	Wildfire		0	0	0.00K	0.00K
<u>WENAS</u>	YAKIMA CO.	9/5/2013	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	12/8/2013	Extreme Cold/wind Chill		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/8/2013	Extreme Cold/wind Chill		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/10/2014	High Wind	59 kts. MG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/11/2014	High Wind	62 kts. MG	0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/13/2014	High Wind	52 kts. EG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/8/2014	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	2/16/2014	Heavy Snow		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	8/2/2014	Wildfire		0	0	0.00K	0.00K
<u>ROZA</u>	YAKIMA CO.	8/13/2014	Flash Flood		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/13/2014	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/4/2014	Ice Storm		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	12/21/2014	High Wind	56 kts. MG	0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/4/2015	Heavy Snow		0	0	0.00K	0.00K
<u>RIMROCK</u>	YAKIMA CO.	5/21/2015	Flash Flood		0	0	0.00K	0.00K
<u>SOUTH BROADWAY</u>	YAKIMA CO.	5/21/2015	Thunderstorm Wind	61 kts. EG	0	0	0.00K	0.00K
<u>SELAH</u>	YAKIMA CO.	5/21/2015	Flash Flood		0	0	0.00K	0.00K
<u>SOUTH BROADWAY</u>	YAKIMA CO.	5/23/2015	Hail	0.88 in.	0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	8/10/2015	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	9/1/2015	Wildfire		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Mag</u>	<u>Deaths</u>	<u>Injuries</u>	<u>Property Damage</u>	<u>Crop Damage</u>
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/17/2015	High Wind	50 kts. MG	0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/17/2015	High Wind	56 kts. MG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/17/2015	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/21/2015	Heavy Snow		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	12/21/2015	High Wind	59 kts. MG	0	0	0.00K	0.00K
<u>HARWOOD</u>	YAKIMA CO.	3/6/2016	Flood		0	0	300.00K	0.00K
<u>(YKM)YAKIMA AIR TERM</u>	YAKIMA CO.	3/6/2016	Flood		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/30/2016	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	8/1/2016	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/8/2016	Heavy Snow		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	12/14/2016	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/26/2016	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/1/2017	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/7/2017	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	1/17/2017	Ice Storm		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	2/2/2017	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/5/2017	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/8/2017	Heavy Snow		0	0	0.00K	0.00K
<u>TAMPICO</u>	YAKIMA CO.	2/10/2017	Flood		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	3/6/2017	Heavy Snow		0	0	0.00K	0.00K
<u>HENRYBRO</u>	YAKIMA CO.	3/10/2017	Flood		0	0	20.00K	0.00K
<u>TILETON</u>	YAKIMA CO.	3/14/2017	Flood		0	0	0.00K	0.00K
<u>BRACE</u>	YAKIMA CO.	3/16/2017	Flood		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Mag</u>	<u>Deaths</u>	<u>Injuries</u>	<u>Property Damage</u>	<u>Crop Damage</u>
<u>NACHES</u>	YAKIMA CO.	5/5/2017	Flood		0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	5/30/2017	Flood		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/2/2017	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/20/2017	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/23/2017	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	8/11/2017	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	8/11/2017	Wildfire		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	8/24/2017	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	9/1/2017	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	10/1/2017	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	12/28/2017	Ice Storm		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/10/2018	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/23/2018	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/25/2018	Heavy Snow		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	2/17/2018	High Wind	52 kts. EG	0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	4/27/2018	High Wind	42 kts. MS	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/1/2018	Wildfire		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	7/9/2018	Wildfire		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	7/19/2018	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	7/30/2018	Wildfire		0	0	0.00K	0.00K

Appendix D. Complete Hazard History for Yakima County, NOAA Storm Events Database

Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/30/2018	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	8/1/2018	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	8/1/2018	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	8/16/2018	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	9/1/2018	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	9/1/2018	Wildfire		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	9/7/2018	Wildfire		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/23/2018	Winter Weather		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/17/2018	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/22/2018	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/3/2019	Winter Weather		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/4/2019	Winter Weather		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	1/23/2019	High Wind	64 kts. MG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/4/2019	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	2/8/2019	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/9/2019	Blizzard		0	0	2.200M	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	2/10/2019	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/14/2019	Heavy Snow		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	2/23/2019	Heavy Snow		0	0	0.00K	0.00K
<u>ZILLA</u>	YAKIMA CO.	5/1/2019	Dust Devil		0	5	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	9/29/2019	Winter Weather		0	0	0.00K	0.00K

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Location	County/Zone	Date	Type	Mag	Deaths	Injuries	Property Damage	Crop Damage
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	10/25/2019	High Wind	52 kts. EG	0	0	8.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/27/2019	High Wind	55 kts. EG	0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/18/2019	Winter Storm		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	1/10/2020	Heavy Snow		0	0	0.00K	0.00K
<u>CLIFFDELL</u>	YAKIMA CO.	2/7/2020	Flood		0	0	0.00K	0.00K
<u>NACHES</u>	YAKIMA CO.	2/7/2020	Flood		0	0	0.00K	0.00K
<u>PARKER</u>	YAKIMA CO.	2/7/2020	Flood		0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	2/16/2020	Heavy Snow		0	0	0.00K	0.00K
<u>UNION GAP</u>	YAKIMA CO.	5/30/2020	Thunderstorm Wind	61 kts. EG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/28/2020	Heat		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	9/7/2020	High Wind	52 kts. EG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	10/13/2020	High Wind	52 kts. EG	0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	11/12/2020	Winter Storm		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/30/2020	Heavy Snow		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	1/12/2021	High Wind	64 kts. MG	0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	2/25/2021	Heavy Snow		0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	3/28/2021	High Wind	73 kts. MG	0	0	0.00K	0.00K
<u>KITTITAS VALLEY (ZONE)</u>	KITTITAS VALLEY (ZONE)	5/1/2021	High Wind	52 kts. MG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	6/26/2021	Excessive Heat		0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	7/1/2021	Excessive Heat		0	0	0.00K	0.00K

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<u>Location</u>	<u>County/Zone</u>	<u>Date</u>	<u>Type</u>	<u>Mag</u>	<u>Deaths</u>	<u>Injuries</u>	<u>Property Damage</u>	<u>Crop Damage</u>
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	10/24/2021	High Wind	50 kts. MG	0	0	0.00K	0.00K
<u>YAKIMA VALLEY (ZONE)</u>	YAKIMA VALLEY (ZONE)	11/15/2021	High Wind	56 kts. MG	0	0	0.00K	0.00K
<u>SIMCOE HIGHLANDS (ZONE)</u>	SIMCOE HIGHLANDS (ZONE)	12/19/2021	Heavy Snow		0	0	0.00K	0.00K
<u>EAST SLOPES OF THE WASHI...</u>	EAST SLOPES OF THE WASHI...	12/22/2021	Heavy Snow		0	0	0.00K	0.00K
Totals:					3	15	53.120M	235.553M

APPENDIX E. DETAILED MITIGATION STRATEGY

The following pages include the detailed hazard mitigation strategy for the 2022 Plan Update.

Urban Planning Departments and Officials	City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches	Protect Life & Property	Ongoing	Very Low
County Information Technology, Yakima Information Technology	Yakima Valley Emergency Management, Yakima County Fire Districts, City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County	Emergency Services	Short-term	Medium
Granger	Yakima County IT, contracted IT services, Yakima Valley Emergency Management	Protect Life & Property	Short-term	Medium
Yakima Information Technology	City of Selah, City of Union Gap, City of Yakima	Emergency Services	Short-term	Low
County Information Technology, Yakima Information Technology	Yakima Valley Emergency Management, Yakima County Fire Districts, City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches	Emergency Services	Medium-term	Medium
County Flood Control Zone District	U.S. Bureau of Reclamation, City of Yakima, Washington DF&W, Yakima County	Protect Life & Property Natural Systems	Short-term	Very High
County Flood Control Zone District	U.S. Army Corps of Engineers, City of Yakima, Yakima County	Protect Life & Property Natural Systems	Medium-term	Very High
River Basin Water Enhancement Work Group (Integrated Plan)	Yakima County Flood Control Zone District, City of Yakima, City of Tieton (Yakima-Tieton Irrigation District, City of Sunnyside (Sunnyside Valley and Roza Irrigation Districts), Yakima County	Natural Systems Partnerships & Implementation	Ongoing, Long-term	Very High
n Districts	Yakima Valley Office of Emergency Management	Natural Systems Partnerships & Implementation	Ongoing	TBD based on project
Moxee	Washington Dept. of Ecology	Natural Systems Partnerships & Implementation	Short-term	Very Low

elah	Yakima Valley Emergency Management	Emergency Services	Long-term	Medium
Valley Office of Emergency Management	Yakima County GIS, Yakima County Public Services/Permit Services, Yakima County Fire Districts, City of Grandview, City of Granger, City of Moxee, City of Selah, City of Toppenish, City of Tieton, City of Union Gap, Town of Harrah, Town of Naches	Protect Life & Property Emergency Services	Long-term	Medium
Valley Office of Emergency Management	Yakima County Fire Districts, City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County	Protect Life & Property Emergency Services	Short-term	Very High
Valley Office of Emergency Management	Yakima Health District, City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County	Protect Life & Property Emergency Services	Short-term	Very Low
Valley Office of Emergency Management	City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County	Protect Life & Property Emergency Services	Short-term	Low
Valley Office of Emergency Management	Irrigation Districts, City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County	Protect Life & Property Public Awareness	Medium-term	Low
Valley Office of Emergency Management	Yakima County Flood Control Zone District, City of Tieton, Tieton Irrigation District	Protect Life & Property Public Awareness	Ongoing	Very Low
Valley Office of Emergency Management	Yakima Valley Emergency Management, Washington DNR, US Forest Service, Yakima County Fire Districts, Yakima County Flood Control Zone District, private landowners	Protect Life & Property Natural Systems Partnerships & Implementation	Short-term	Very High

County Flood Control Zone District	Departments FEMA, Yakima County, Washington State Department of Ecology, City of Yakima, Town of Naches, Yakima Valley Emergency Management	Emergency Services	Medium-term	Low
County Flood Control Zone District	Yakama Nation, Yakima Valley Emergency Management, City of Toppenish, Town of Granger, Town of Wapato, Yakima County, Washington DF&W, Washington DOE	Partnerships & Implementation	Long-term	Medium
County Flood Control Zone District	FEMA, Yakima County, City of Tieton, Yakima Valley Emergency Management	Protect Life & Property Emergency Services	Short-term	Medium
County Flood Control Zone District	Yakima Valley Emergency Management, Washington DOT, Yakima County, U.S. Army Corps of Engineers, Washington DF&W	Protect Life & Property	Medium-term	Very High
County Flood Control Zone District	City of Yakima, Washington DOT, Yakima County	Protect Life & Property Natural Systems	Short-term	Very High
County Planning, City of Yakima Community Development	Yakima County Flood Control Zone District	Natural Systems	Ongoing	Very Low
County Regional Stormwater ; Group	City of Yakima, City of Selah, City of Union Gap, City of Sunnyside, Yakima County	Natural Systems	Ongoing	High
County Flood Control Zone District	Yakima Basin Integrated Plan Work Group, Yakama Nation, Yakima County Roads	Protect Life & Property	Long-term	High
County Flood Control Zone District	Ahtanum Irrigation District, City of Union Gap, City of Yakima	Protect Life & Property	Medium-term	High
County Flood Control Zone District	City of Yakima, West Valley School District, Washington DOE, FEMA	Protect Life & Property	Medium-term	Very High
County Flood Control Zone District	Yakima Valley Office of Emergency Management	Public Awareness	Ongoing	Low

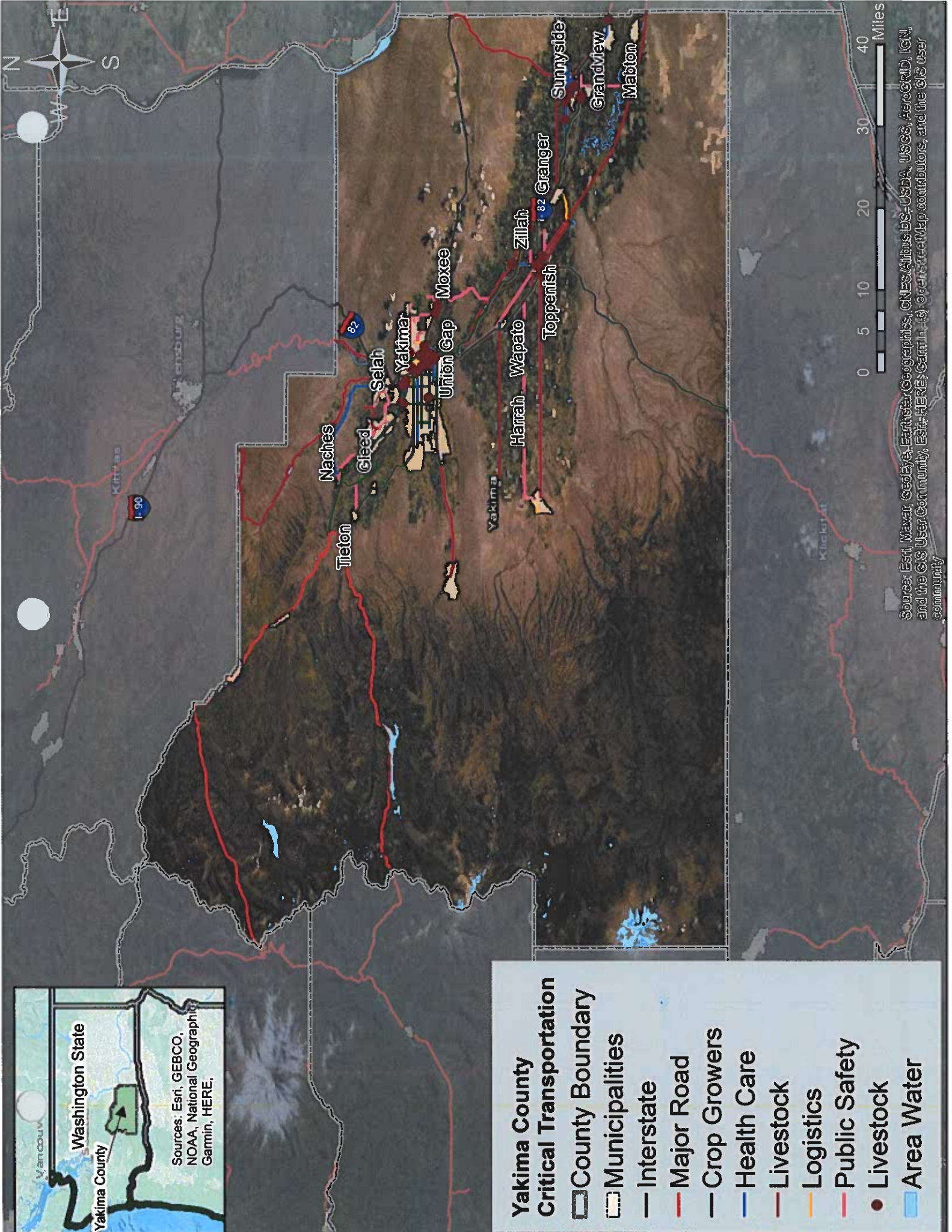
County Flood Control Zone District	Yakima County Planning Division, City of Granger, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Naches, Yakima County	Protect Life & Property	Ongoing	High
County Flood Control Zone District	City of Grandview, City of Granger, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County Public Services, Yakima Valley Emergency Management, Yakima County Roads	Protect Life & Property Partnerships & Implementation	Short-term	Low
County Flood Control Zone District	City of Yakima, Yakima County	Natural Systems	Ongoing	Medium
Fire Department	Yakima County Fire Districts, Yakima Valley Emergency Management, City of Yakima	Protect Life & Property Emergency Services	Short-term	Very Low
Health District	Yakima Valley Office of Emergency Management	Protect Life & Property Emergency Services	Medium-term	High
Harrah Public Works	Yakima County Roads, Yakima Valley Office of Emergency Management	Protect Life & Property Emergency Services	Short-term	Low
ew Fire Department County Fire District #5	City of Grandview	Protect Life & Property	Medium-term	Medium
County Fire District #2 and Yakima Fire District #12	Yakima Valley Emergency Management, Yakima County Fire Districts, Washington DNR, Yakima Nation	Protect Life & Property Public Awareness Emergency Services	Ongoing	Low
County Planning	Yakima County Fire Districts, Yakima Valley Emergency Management, Yakima County Building and Fire Division	Protect Life & Property	Ongoing	Low
nity Wildfire Protection Plan Steering Committee	Yakima County Fire Districts, Yakima Valley Emergency Management, Yakima County Fire Marshal's Office, Washington DNR, U.S. Forest Service	Public Awareness	Ongoing	Low
nity Wildfire Protection Plan Steering Committee	Yakima County Fire Districts, Yakima Valley Emergency Management, Yakima County Fire Marshal's Office, Washington DNR, U.S. Forest Service	Public Awareness	Ongoing	Low
nity Wildfire Protection Plan	Yakima County Fire Districts, Yakima Valley Emergency Management, Yakima County	Public Awareness		

County Planning	Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County	Partnerships & Implementation	Short-term	Low
County Fire Districts	City Fire Departments	Emergency Services	Short-term	Very Low
County Wildfire Protection Plan Steering Committee, Yakima Emergency Management	Yakima County Fire Districts, City Fire Departments, Yakima County Fire Marshall's Office, Washington DNR, U.S. Forest Service, North Yakima Conservation, Yakima Greenway Association	Protect Life & Property	Medium-term	High
County Wildfire Protection Plan Steering Committee	Yakima County Fire Districts, Yakima Valley Emergency Management, City Fire Departments, North Yakima Conservation District Washington DNR, U.S. Forest Service	Natural Systems	Short-term	Low
County Wildfire Protection Plan Steering Committee	Yakima County Fire Districts, Yakima Valley Emergency Management, City Fire Departments, Yakima County Fire Marshall's Office, Washington DNR, U.S. Forest Service, North Yakima Conservation District	Protect Life & Property Community Awareness	Short-term	Medium
County Wildfire Protection Plan Steering Committee	Yakima County Fire Districts, Yakima Valley Emergency Management, Yakima County Building and Fire Division, Yakima County Roads Divisions, City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County, Washington DOT, Washington DNR, U.S. Forest Service	Emergency Services	Medium-term	High
County Sheriff's Office	Yakima Valley Emergency Management	Emergency Services	Medium-term	Medium

	Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County			
County Public Services/Permit		Partnerships & Implementation	Ongoing	Low
Valley Office of Emergency Management	Yakima County IT, City of Yakima IT, Yakima County Flood Control Zone District, Yakima County Fire Districts, City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County	Partnerships and Implementation Emergency Services	Short-term	Low
Valley Office of Emergency Management	City of Grandview, City of Granger, City of Moxee, City of Selah, City of Sunnyside, City of Tieton, City of Toppenish, City of Union Gap, City of Yakima, Town of Harrah, Town of Naches, Yakima County	Partnerships and Implementation Emergency Services	Short-term	Low
Fire Department; Yakima Valley of Emergency Management	City of Yakima	Emergency Services	Medium-term	Low

APPENDIX F. HAZARD MAPS

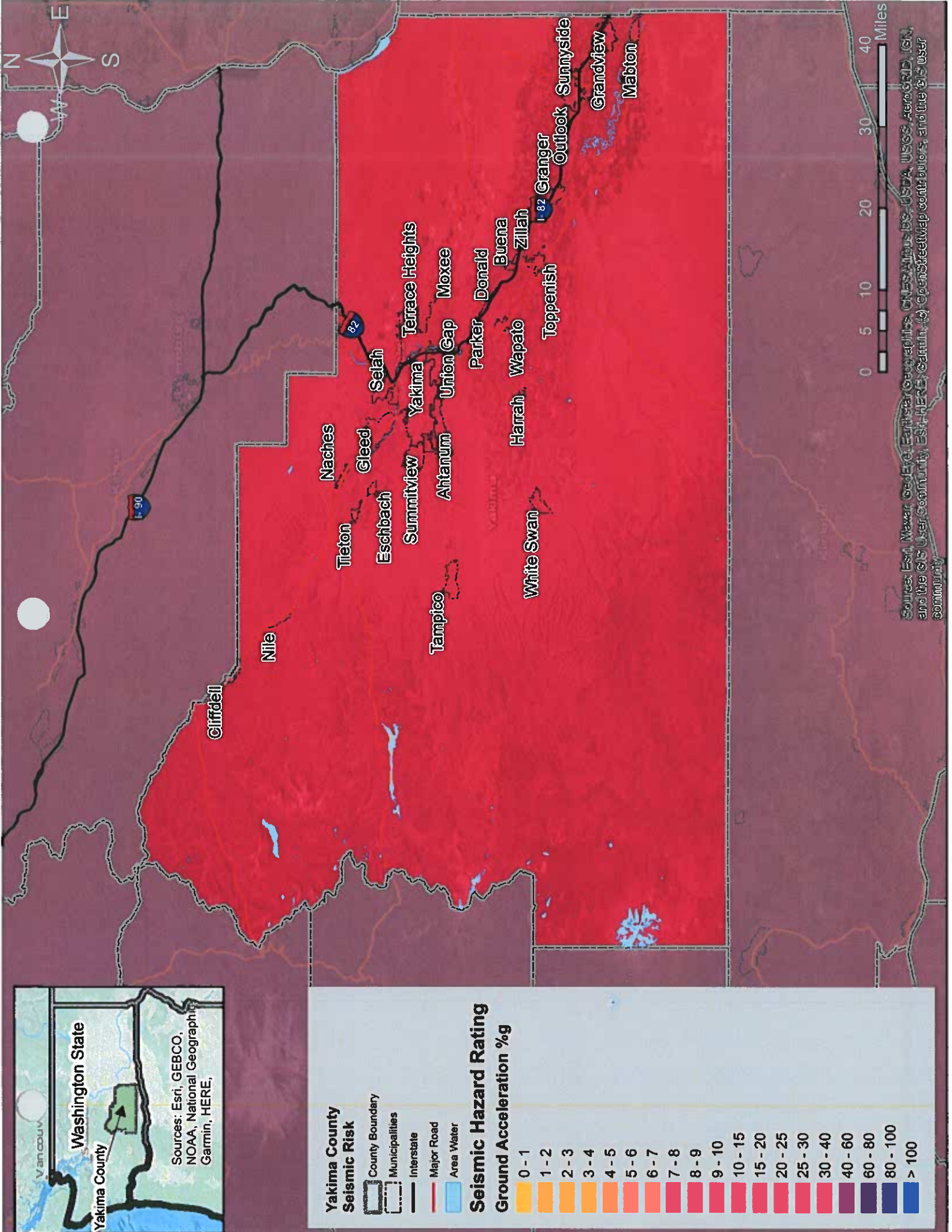
The following pages include the full-size hazard maps for the 2022 Plan Update.



Washington State
 Sources: Esri, GEBCO, NOAA, National Geographic
 Garmin, HERE, ...
 Yakima County

- Yakima County Critical Transportation**
- County Boundary
 - Municipality
 - Interstate
 - Major Road
 - Crop Growers
 - Health Care
 - Livestock
 - Logistics
 - Public Safety
 - Livestock
 - Area Water

Source: Esri, Maxar, GeoEye, Earthstar, GeoGraphics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

- Yakima County Seismic Risk**
- County Boundary
 - Municipalities
 - Interstate
 - Major Road
 - Area Water

Seismic Hazard Rating

Ground Acceleration %g

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- 5 - 6
- 6 - 7
- 7 - 8
- 8 - 9
- 9 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 40
- 40 - 60
- 60 - 80
- 80 - 100
- > 100



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community. [E81-HERE](#), [Garmin](#), [OpenStreetMap](#) contributors, and the [GIS User Community](#).



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE.

Yakima County

Active Fault Lines

Historic Earthquake Damage

County Boundary

Municipalities

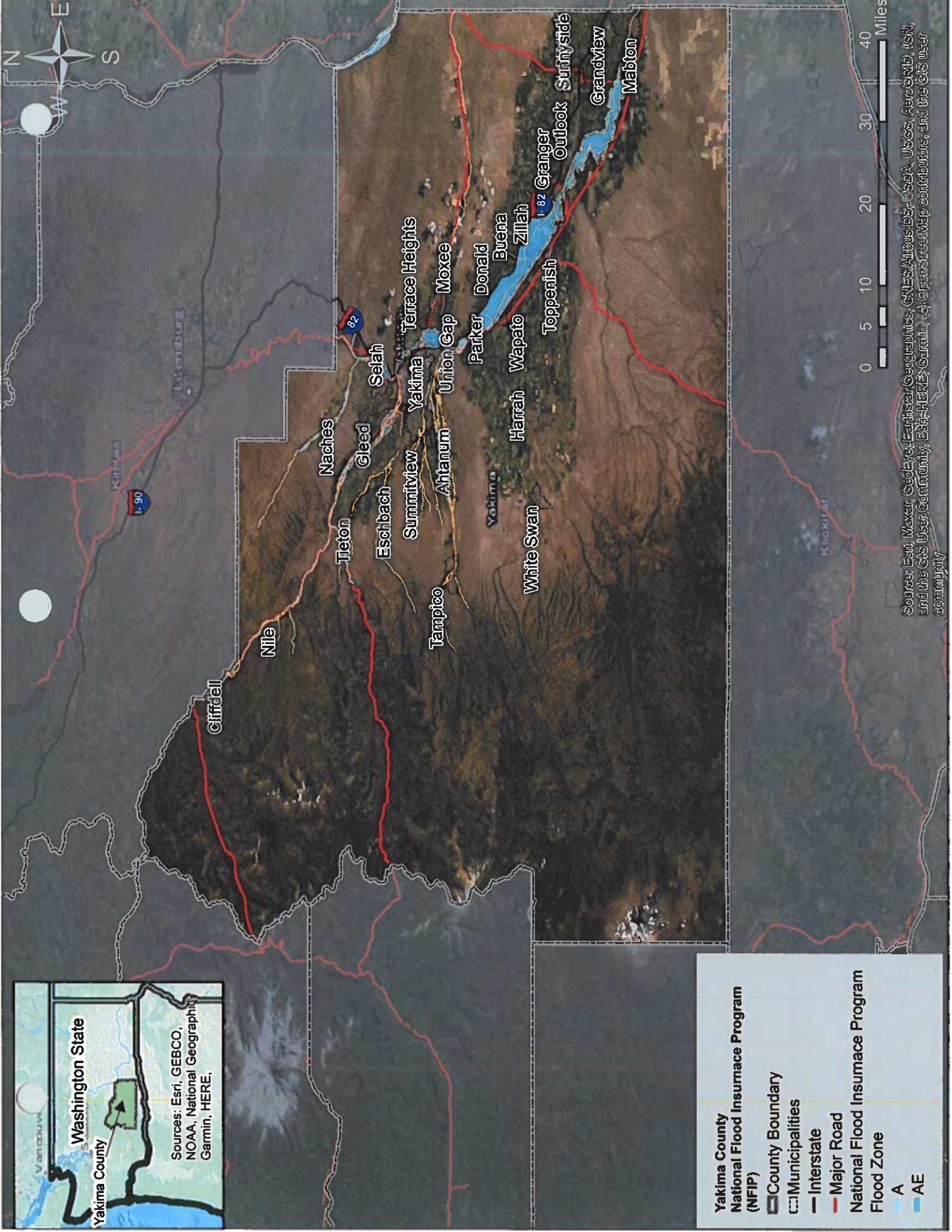
Interstate

Major Road

Seismogenic Faults

Historical Earthquake Damage

Sources: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community



Washington State

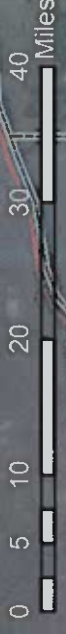
Yakima County

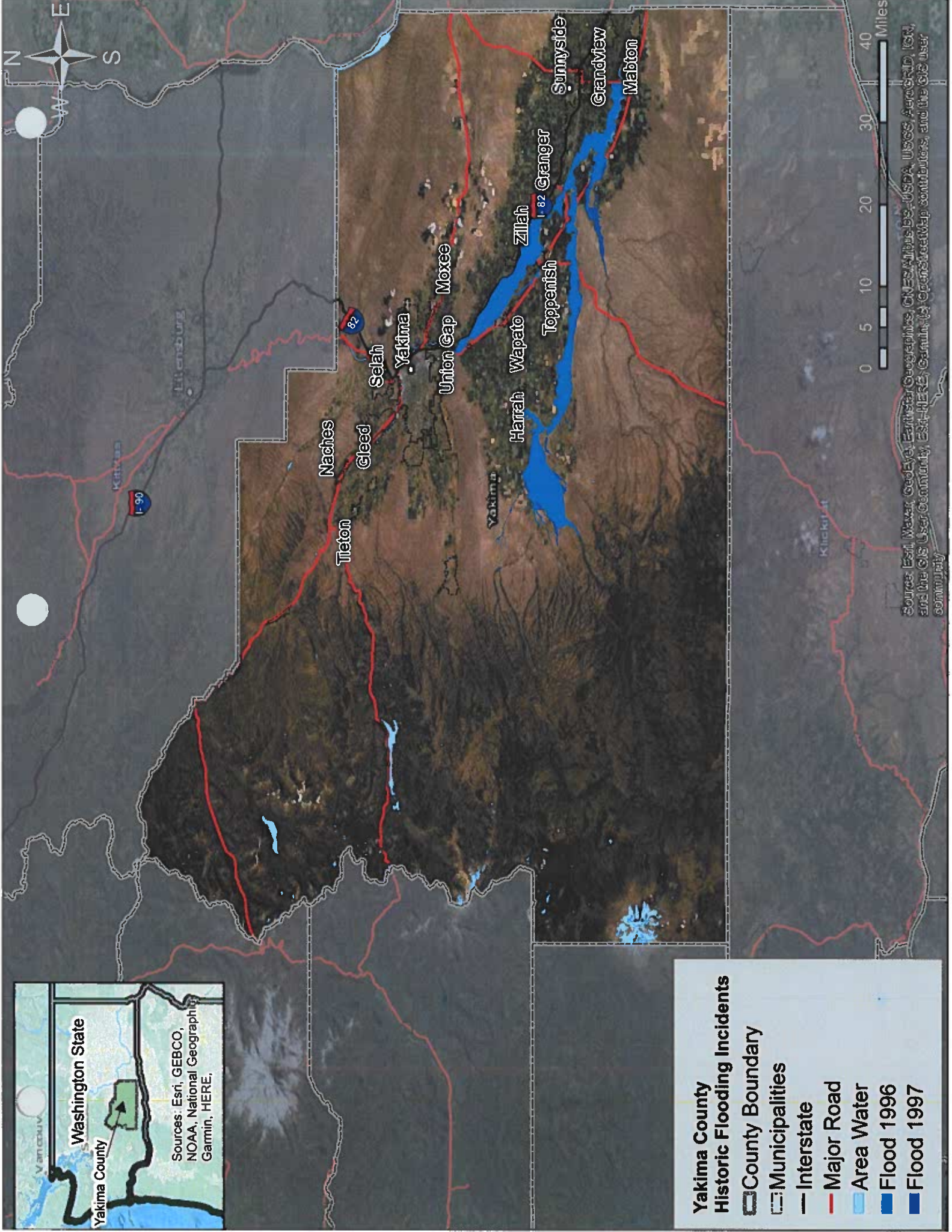
Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

Yakima County National Flood Insurance Program (NFIP)

- County Boundary
- Municipalities
- Interstate
- Major Road
- National Flood Insurance Program Flood Zone
- A
- AE

Source: Esri, Maxar, GeoEye, Earthstar, Geographic, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri-HERE, Garmin, © OpenStreetMap contributors, and the GIS user community





Washington State
 Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,
 community

Yakima County
Historic Flooding Incidents

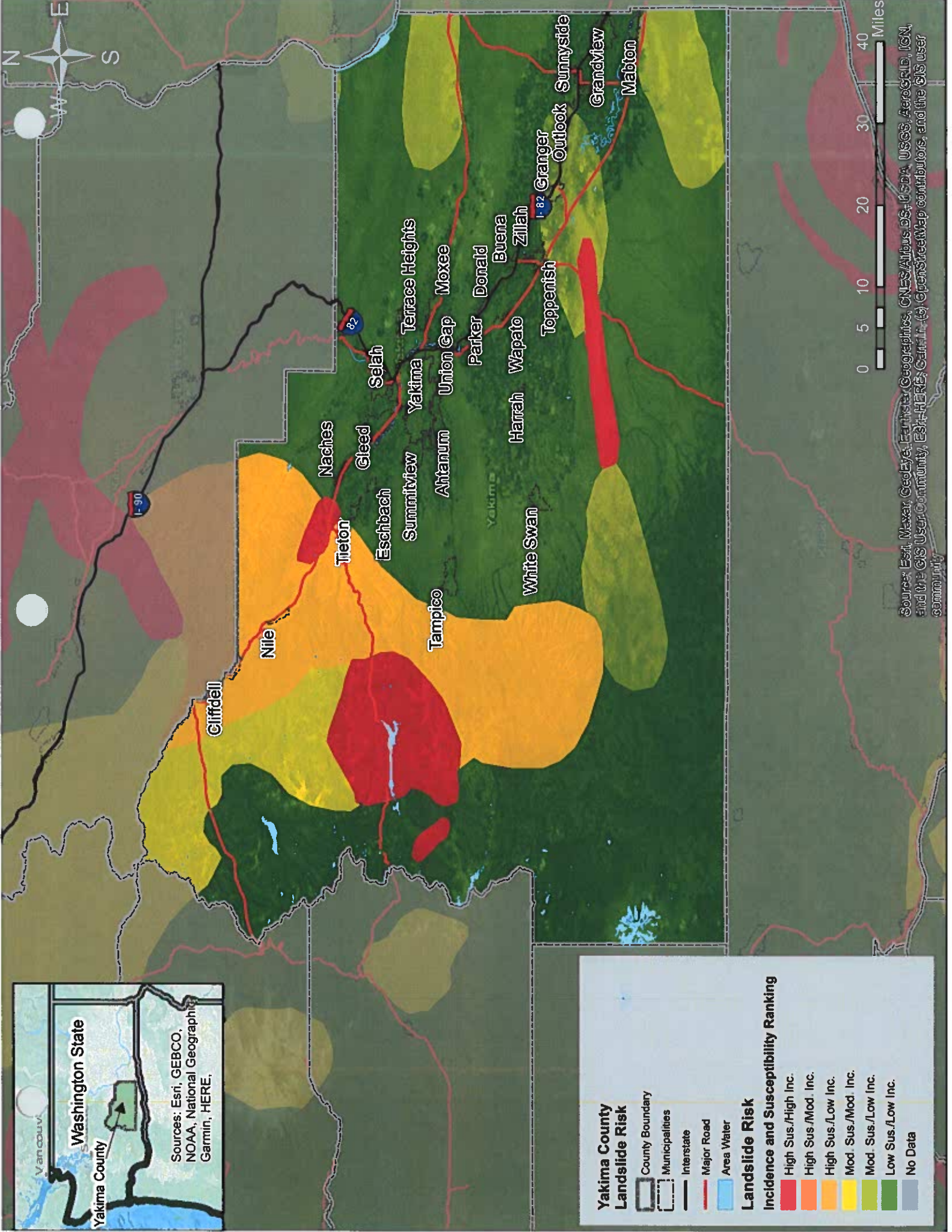
- County Boundary
- Municipalities
- Interstate
- Major Road
- Area Water
- Flood 1996
- Flood 1997

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community. Esri, HERE, Garmin, OpenStreetMap contributors, and the GIS user community



Washington State
Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE.



Yakima County Landslide Risk

- County Boundary
- Municipalities
- Interstate
- Major Road
- Area Water

Landslide Risk Incidence and Susceptibility Ranking

- High Sus./High Inc.
- High Sus./Mod. Inc.
- High Sus./Low Inc.
- Mod. Sus./Mod. Inc.
- Mod. Sus./Low Inc.
- Low Sus./Low Inc.
- No Data



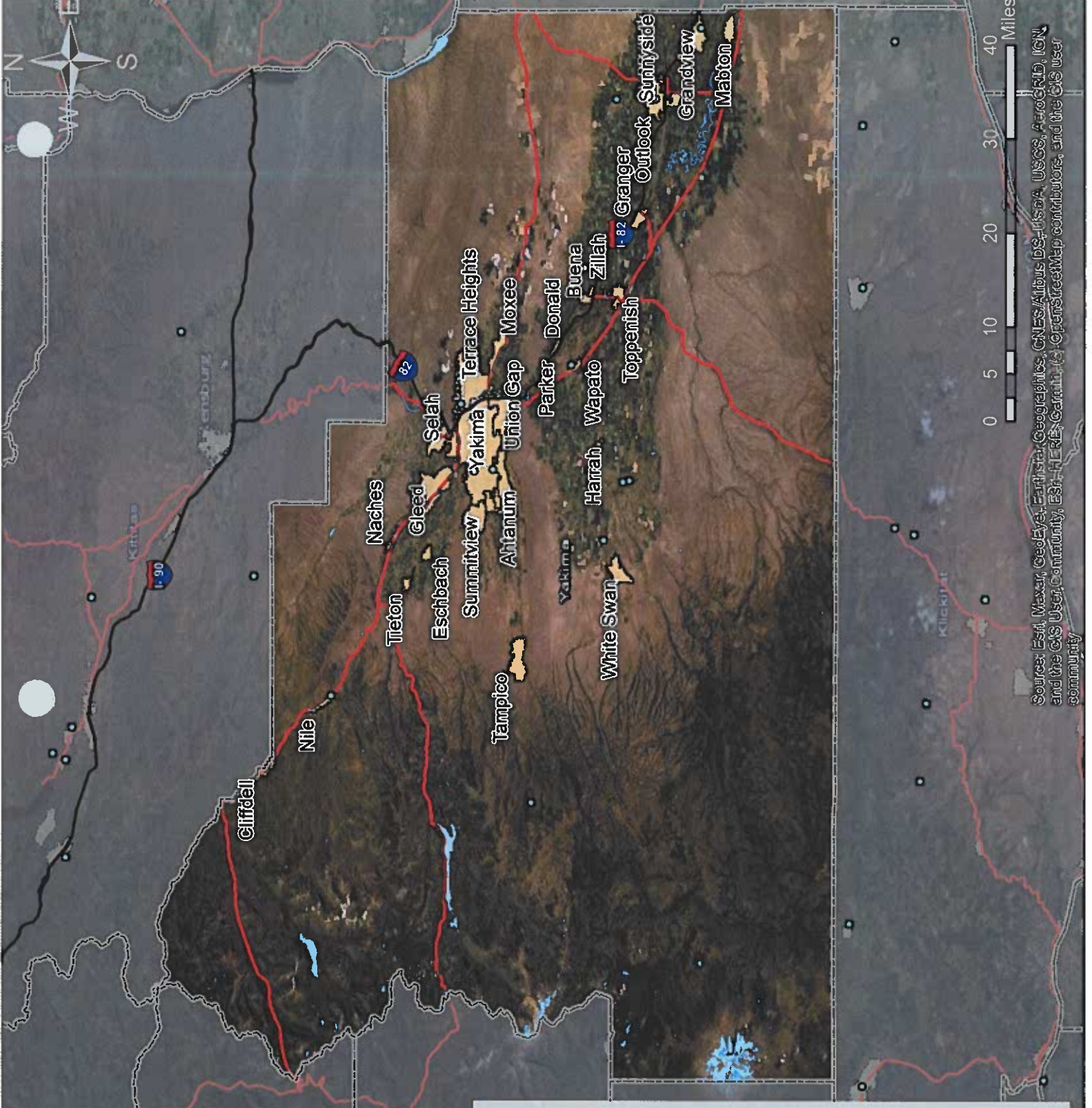
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri-HERE, Garmin, © OpenStreetMap contributors, and the GIS user community



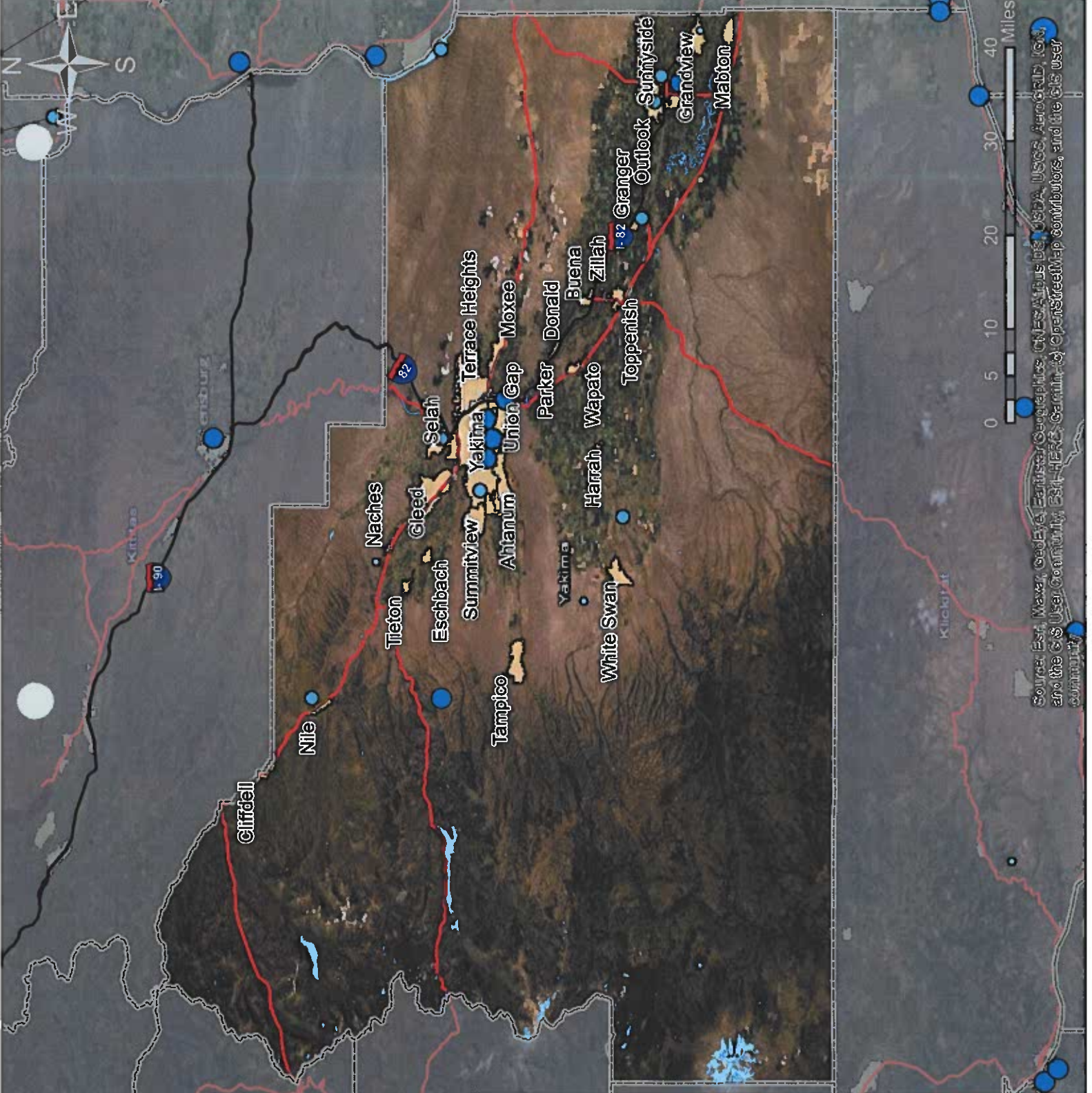
Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

Yakima County Historical Hail Events 1955-2021

- County Boundary
 - Municipalities
 - Interstate
 - Major Road
 - Area Water
- Hail Initiation Point**
- Inches Diameter**
- 0.75 - 2.560
 - 2.61 - 4.45
 - 4.46 - 6.29
 - 6.30 - 8.14
 - 8.15 - 9.99
- Hail Path



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, © openstreetmap contributors, and the GIS user community



Washington State
Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

Yakima County Historical Wind Events 1955-2021

- County Boundary
- Municipalities
- Interstate
- Major Road
- Area Water

Wind Initiation Point

mph

- 1-26
- 27-52
- 53-78
- 79-104
- 105-130

Wind Path

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, are the GIS User Community, Esri, HERE, Garmin, b OpenStreetMap contributors, and the GIS user community



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

Yakima County Historical Tornadoes Events 1950-2021

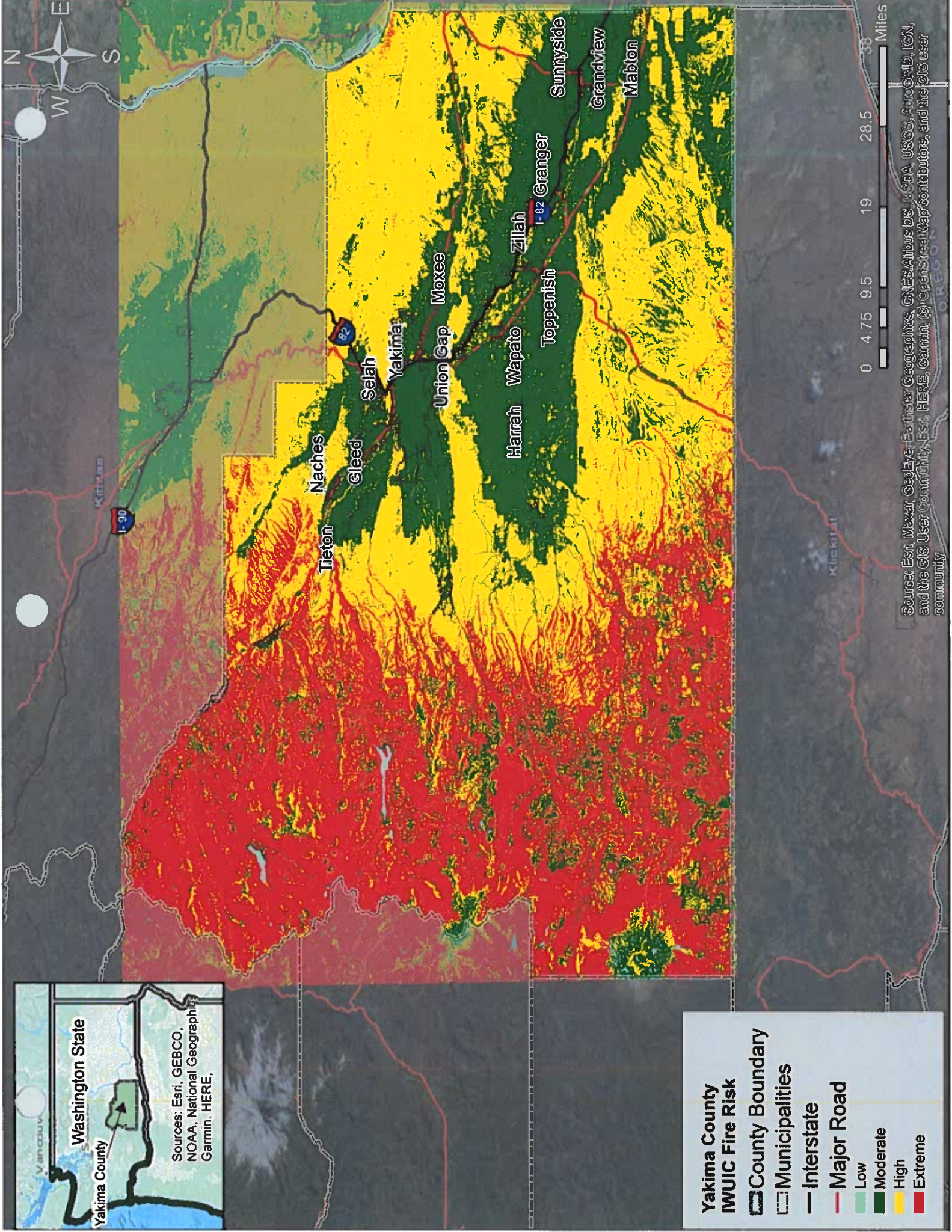
- County Boundary
- Municipalities
- Interstate
- Major Road
- Area Water

Tornado Initiation Enhanced Fujita Scale

- 0
- 1
- 2
- 3
- 4
- 5

→ Tornado Path

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, ESRI, HERE, Garmin, (b) (6), OpenStreetMap contributors, and the GIS user community



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

Yakima County

IWUC Fire Risk

County Boundary

Municipalities

Interstate

Major Road

Low

Moderate

High

Extreme



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, ©OpenStreetMap contributors, and the GIS user community



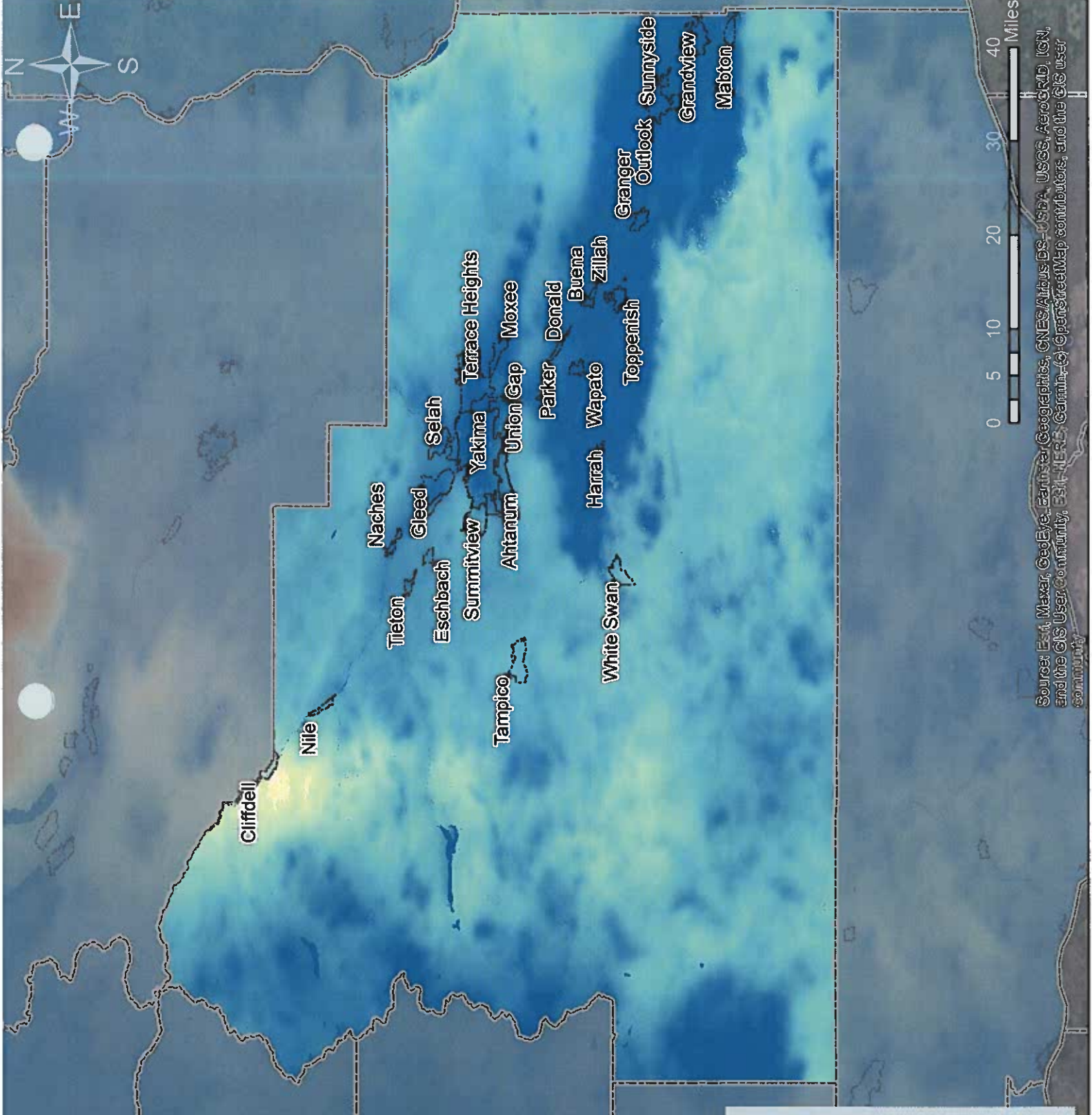
Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

**Yakima County
Burn Probability
(or Wildfire Likelihood)**

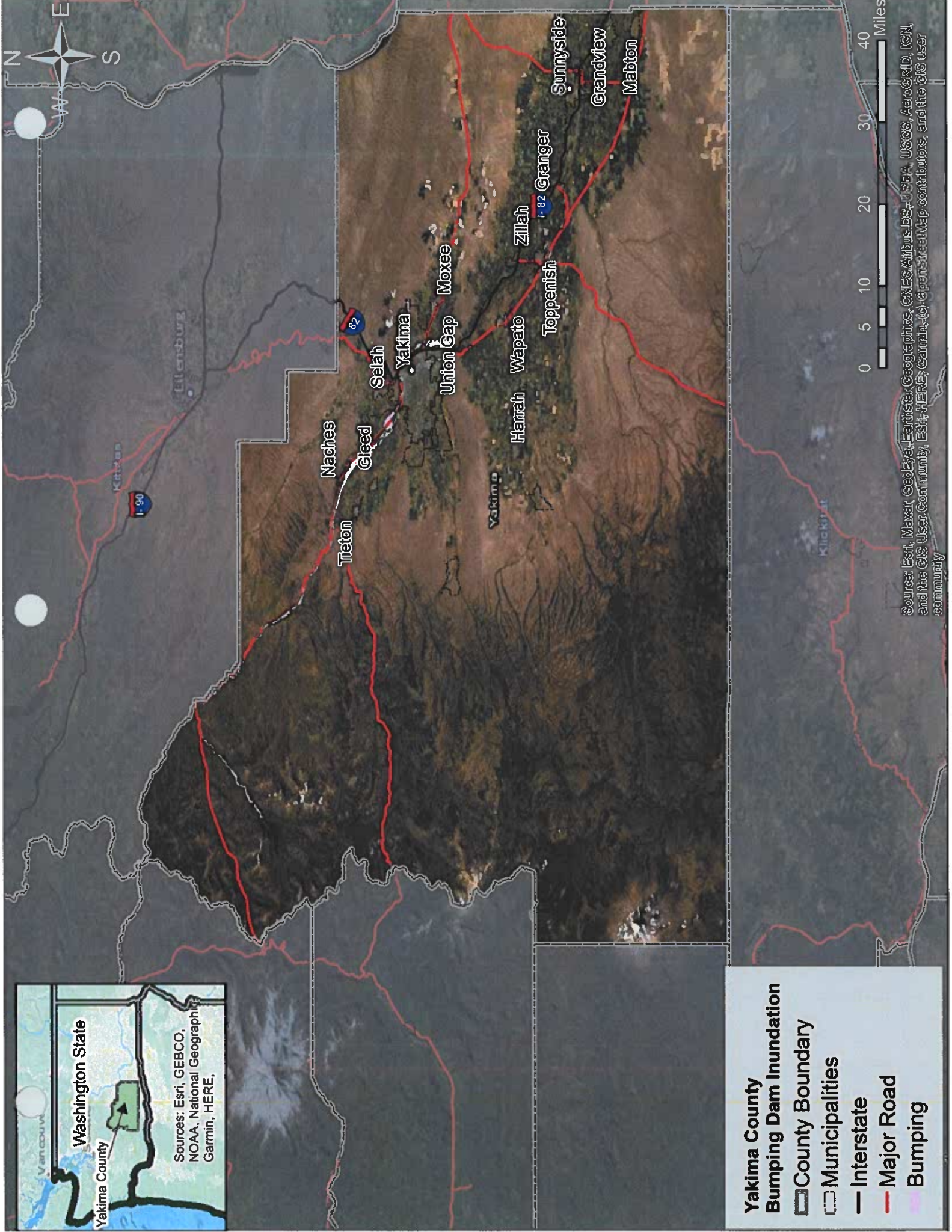
 County Boundary
 Municipalities

Burn Probability

Value  High : 0.0484031
Low : 0



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS-USA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

Yakima County

Bumping Dam Inundation

County Boundary

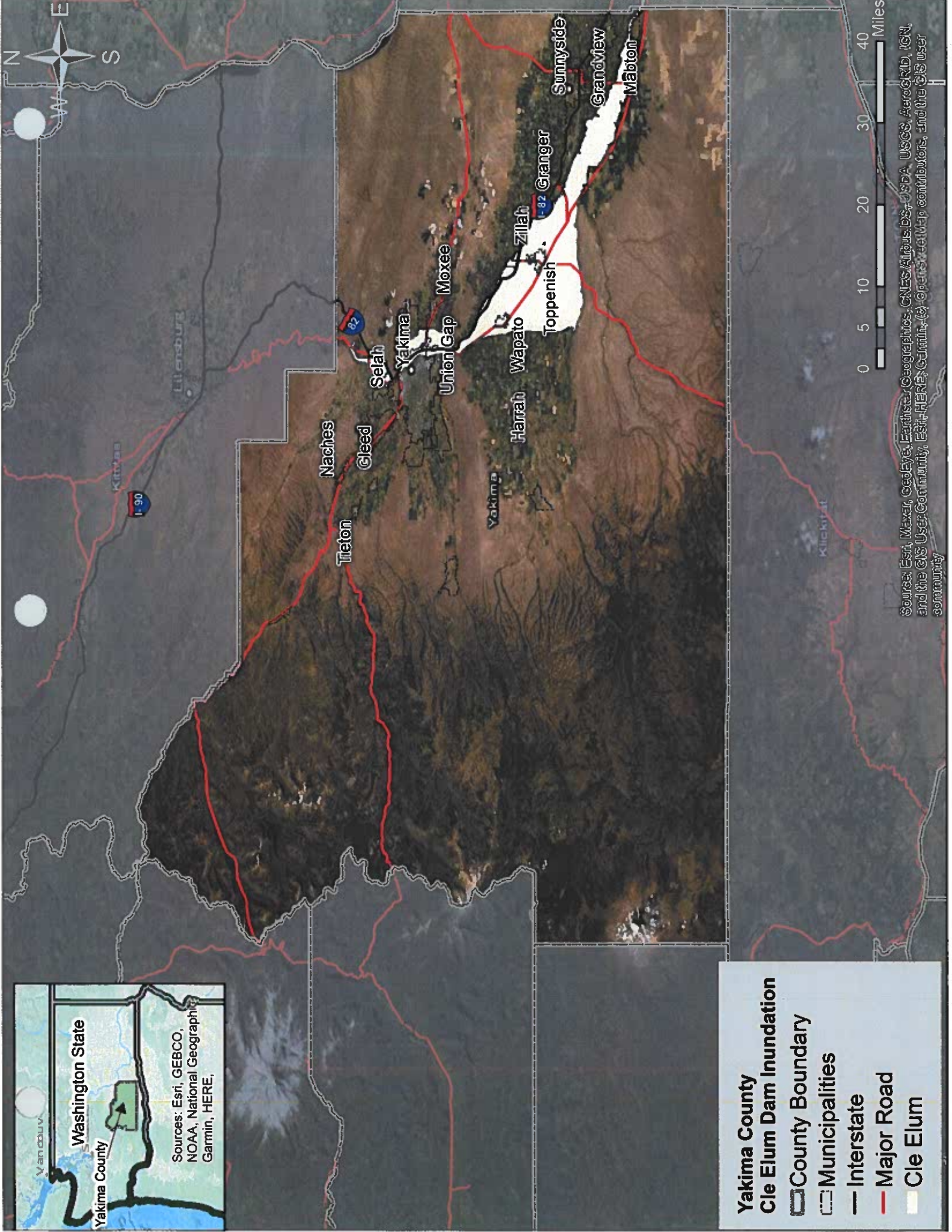
Municipalities

— Interstate

— Major Road

— Bumping

Source: Esri, Maxar, GeoEye, Earthstar, Geographic, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, © openStreetMap contributors, and the GIS user community



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

Yakima County

Cle Elum Dam Inundation

- County Boundary
- Interstate
- Major Road
- Cle Elum

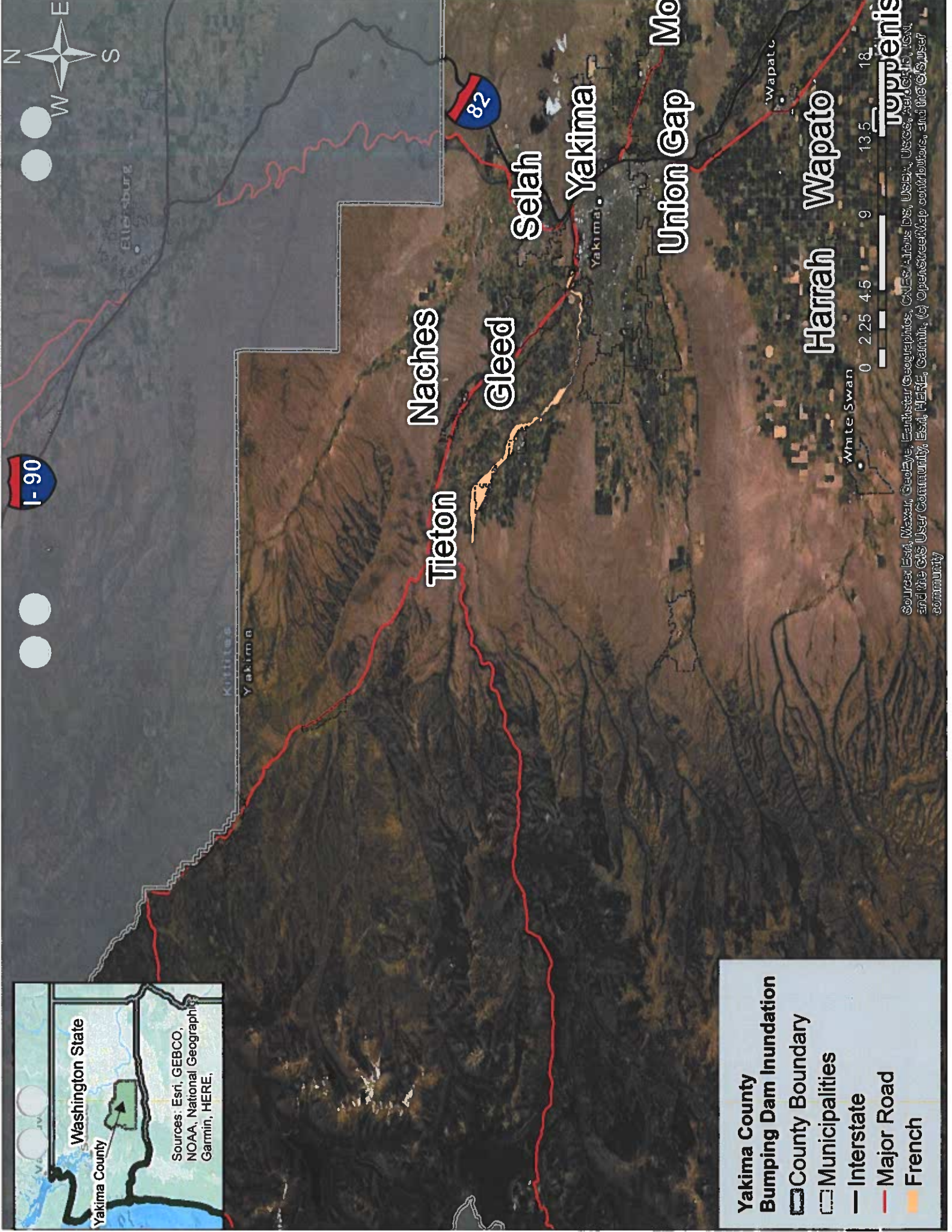
0 5 10 20 30 40 Miles

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus/DSR, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

- Yakima County Bumping Dam Inundation**
- County Boundary
- Municipalities
- Interstate
- Major Road
- French



White Swan

0 2.25 4.5 9 13.5 18

Harrah Wapato

Yakima

Selah

Glead

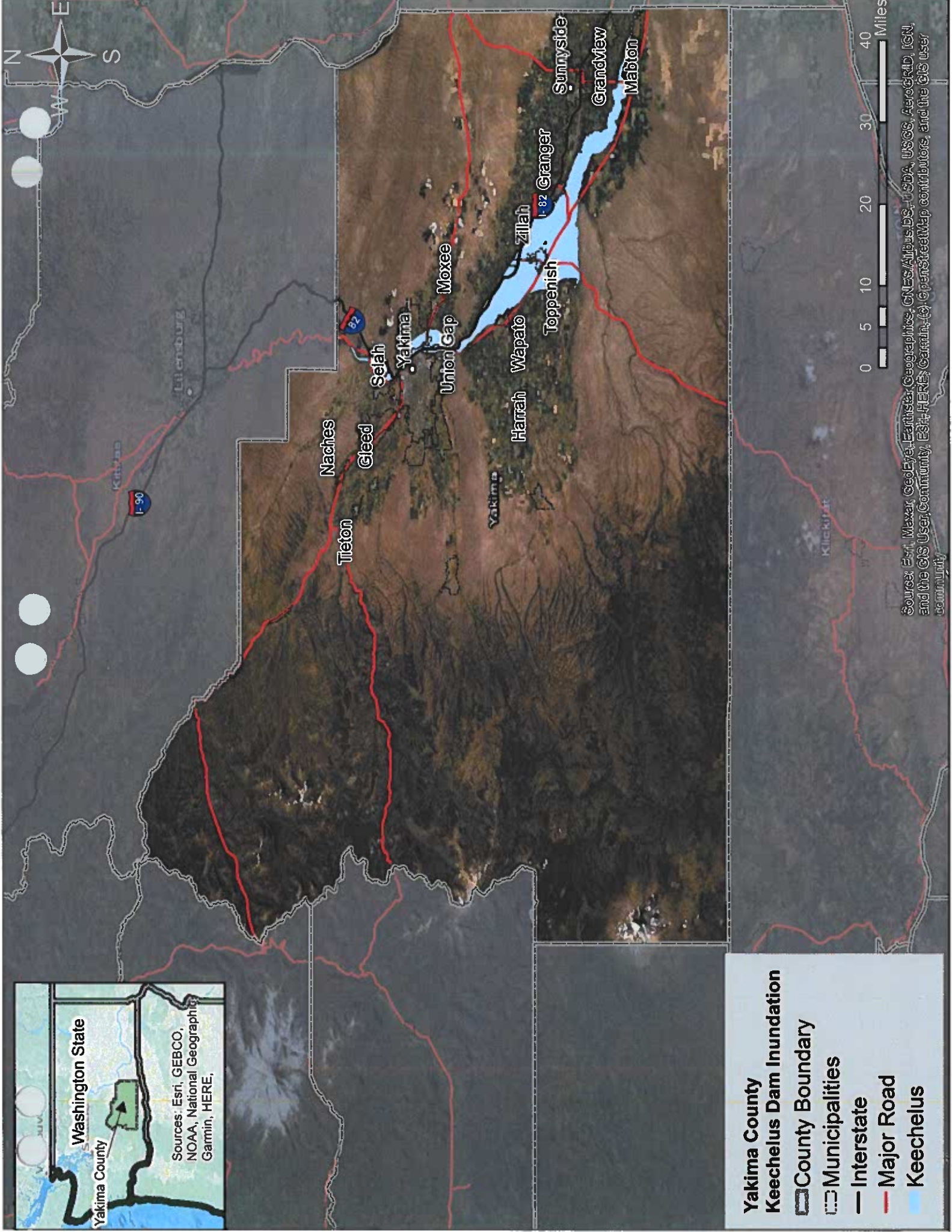
Naches

Tieton

Union Gap Mo

OpenStreetMap contributors, and the GIS user community

Sources: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

Yakima County

Keechelus Dam Inundation

County Boundary

Municipalities

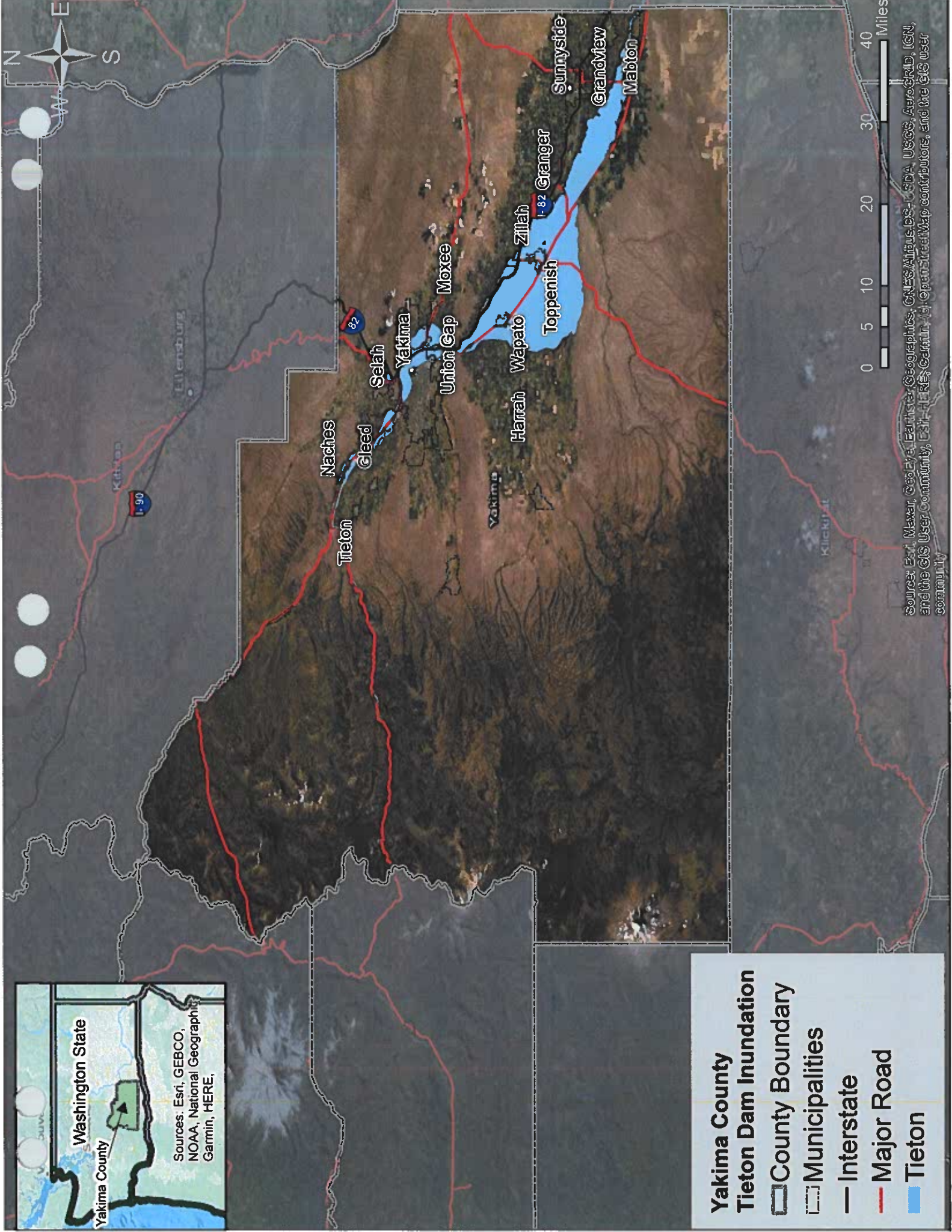
Interstate

Major Road

Keechelus



Source: Esri, Maxar, GeoEye, Earthstar, GeoGraphics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

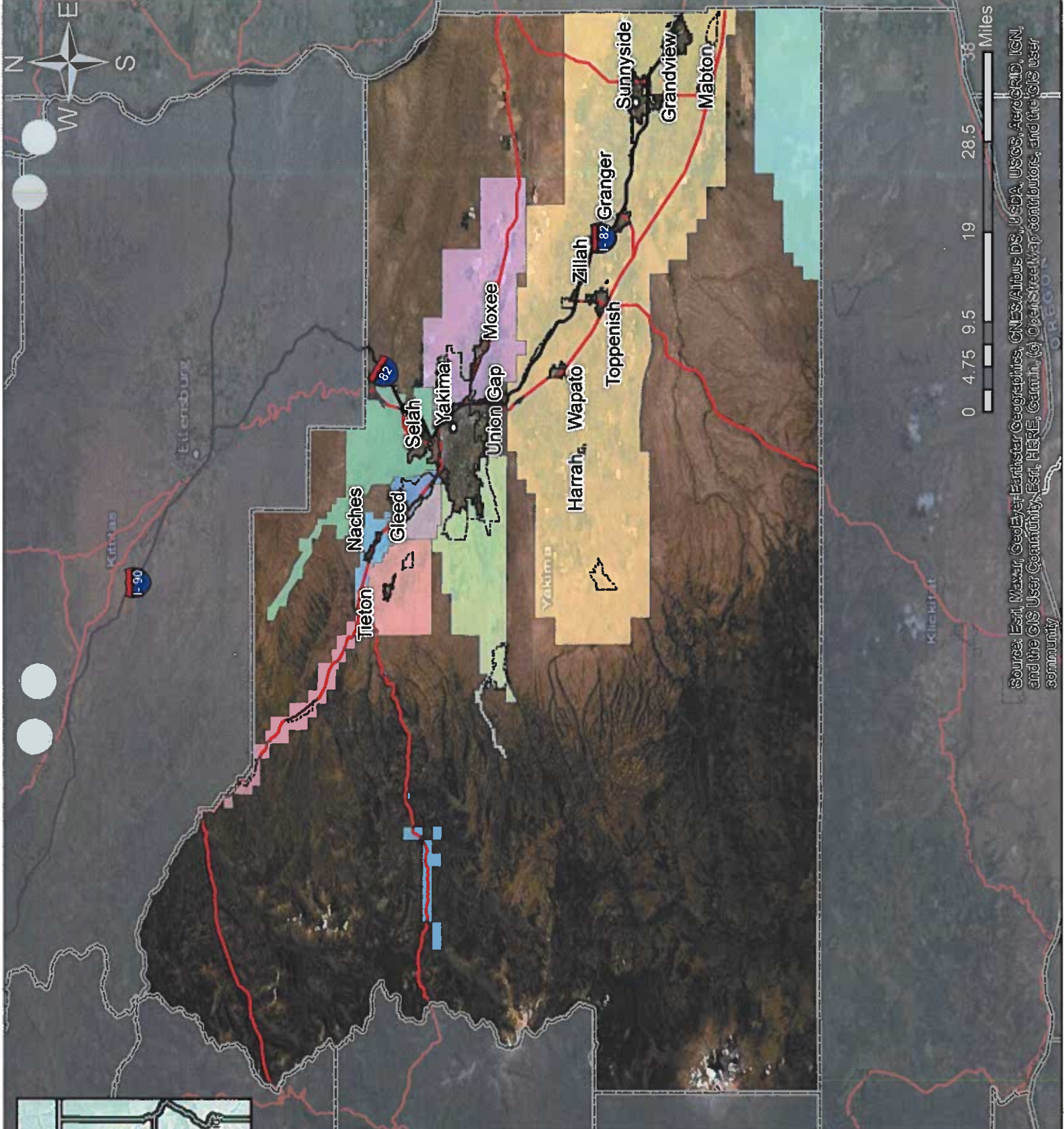
Yakima County

Tieton Dam Inundation

- County Boundary
- Municipality
- Interstate
- Major Road
- Tieton



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS-USA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, Ig, openStreetMap contributors, and the GIS user community



Washington State

Yakima County

Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE,

- Yakima County Fire Districts**
- County Boundary
- Municipalities
- Interstate
- Major Road
- Fire Districts**
- Fire District #1
- Fire District #2
- Fire District #3
- Fire District #4
- Fire District #5
- Fire District #6
- Fire District #7
- Fire District #9
- Fire District #11
- Fire District #12
- Fire District #14



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community