

**Methods and data appendices for socioeconomic monitoring
of nonmetropolitan communities following 25 years of the
Northwest Forest Plan (1994–2018).**

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Ecosystem Workforce Program, Institute for a Sustainable Environment, University of Oregon

Michael R. Coughlan, Amelia Rhodeland, and Heidi Huber-Stearns

Appendix A: Additional Methods

A.1 Semi-structured Interview and Coding Protocols

We used a semi-structured interview protocol with closed and open-ended questions in 10 key areas of interest and specific protocol addendums for agency personnel and timber industry stakeholders.

A.1.1 Interview Guide

Case study name: _

Case study id:

Interview id:

Date/time: _____ / _____

Interviewer:

Location:

Introduction to the Project

Hello! Thank you for meeting with me today. Before we get started I would like to explain the interview process. This interview will be structured differently than an everyday conversation. I will be changing the subject from time to time, and I will not be responding in agreement or disagreement to the things that you are saying. I am going to be as neutral as possible, focusing my comments on letting you know when I understand what you are saying and when I do not, encouraging you to elaborate, or asking follow-up questions.

When the Northwest Forest Plan was formally adopted in 1994, the US Forest Service and Bureau of Land Management agreed to monitor changes to the forests they managed, as well as the social and economic characteristics of communities within the plan area. The "social and economic" monitoring reports have been released every 5 years since 2006. Our interview today is part of the 25-year update to NWFP social and economic monitoring. The 25-year update will include case studies of 10 communities within the plan area. Each case study will be based primarily on interviews like ours today, with the intention of recording community members' perceptions of how their communities have changed over the past 25 years, and how changes to the community might be related to changes in how the neighboring federal forest lands are managed. The 25-year update to which this interview contributes is scheduled to be released sometime in the fall of 2019.

By contributing to this research, you are helping to assist forests in communicating more effectively with their stakeholders about local conditions and to respond to stakeholder feedback requesting more narrative descriptions of their changing communities, and more information about the connection between federal agency land management, and local community well-being.

Interview Questions

1.0 Community of Place Questions

- 1.1 Can you tell us briefly about your background and how your work relates to this community?
 - 1.1.1 How long have you done that?
 - 1.1.2 Have you had other roles previously?
- 1.2 How well do you think the school district represents your community?
- 1.3 Are you familiar with the Northwest Forest Plan?
 - 1.3.1 If yes, Can you name three things that describe what the plan is about to you?
- 2.1 How have employment opportunities in your community changed in the last 25?
 - 2.1.1 Is this trend specific to the timber industry?
 - 2.1.1.1 What are the changes within timber industry?
 - 2.1.2 If not timber industry, what industry?
- 2.2 Has the cost of buying/renting a home changed in the last 25 years?
 - 2.2.1 Can you describe the housing situation in the community in terms of rental or purchase availability and affordability?
- 2.3 How has access to goods and services changed in the last 25 years? [e.g. stores, health, restaurants, schools, etc.]
 - 2.3.1 Can you expand on that?
- 2.4 Has the number of people who to commute to work changed?
 - 2.4.1 Have commute distances increased or decreased [and what are those locations?]
- 2.5 Have there been changes in recreational, leisure, or socializing opportunities?
 - 2.5.1 For children
 - 2.5.2 For adults
- 2.6 Have there been changes in the surrounding landscape or waterways?
- 2.7 Discuss school enrollment and F&R Lunch data, ask if they can name 2 or 3 factors that explain it.
- 2.8 Do these trends relate to how federal agencies manage the forest?
 - 2.8.1 What are some other explanations?
- 2.9 Are you familiar with the secure rural schools funding program?
 - 2.9.1 How important was secure rural school funding to the community?
 - 2.9.2 What is your perception of the trend in local school funding?
- 3.1 Have the number of families with children changed over the last 25 years?
- 3.2 Do young people stay in town or come back to have families?
- 3.3 Do retirees stay here?
 - 3.3.1 Why/Why not
- 3.4 Are there new people moving here?
- 3.5 How would you describe people who move here?
 - 3.5.1 What draws them here?
- 3.6 Are there other changes in the community not asked about?
- 3.7 Have these changes affected the community positively or negatively?
- 4.1 Would you consider the federal timber land [insert NF or BLM] as an integral component of this community?
 - 4.1.1 What drives that connection?
- 4.2 Are there other commercial forestlands that are important to the community?
- 4.3 Would you consider that federal agency people engage in the community?
 - 4.3.1 Describe the relationship between community and staff
- 4.4 How does the community view the agency [FS or BLM]?
- 4.5 How does the community view the current forest management policies?
- 4.6 Is fire hazard management a community concern?
 - 4.6.1 Does the Agency do enough to protect its resources and adjacent private property?
 - 4.6.2 Do they do too much? If yes, is Prescribed fire or smoke an issue, is there too much thinning?

- 4.6.3 Has fire affected the economy? If so, how?
- 4.7 Does the federal land manager [insert FS or BLM] communicate or interact effectively with the community?
- 4.8 If any, what are the key issues of concern between the FS and community?
- 5.1 Are there specific land use activities that are important to the community?
- 5.1.1 [If yes for each of the following can you expand on that?]
- 5.1.2 Grazing
- 5.1.3 Recreation
- 5.1.4 Mining
- 5.1.5 Game/Fish habitat
- 5.1.5.1 Specific game/fish
- 5.1.5.2 Other? What are they?
- 5.2.1 Non-timber/special forest products, what are they?
- 5.2.1.2 Where do the SFP users come from?
- 5.2.2 Are special forest products well managed and do people respect agency rules for their use?
- 6.1 What [if any] of the above changes that you have described in this interview do you feel are directly related to the Northwest Forest Plan?
- 6.2.1 If there were fewer restrictions on logging in federal timberlands, how would this effect the community?
- 6.2.2 What are other possible futures you could envision for the development of the town?
- 6.3 Anything else we didn't discuss that you feel it is important for me to know?
- 7.0 Federal Agency Addendum**
- 7.1 How have the number of forest service employees changed in the last 25 years?
- 7.1.1 How have the type of forest service employees changed
- 7.1.1.1 Have these changes affected their ability to carry out their mission?
- 7.1.2 Has Agency staff demographics change?
- 7.1.3 Where do Agency staff live and has this changed in last 25 years
- 7.1.4 Have these changes affected the community?
- 7.1.4.1 How?
- 7.2 Have you seen changes in program areas or priorities?
- 7.2.1 Are you noticing more restoration related contracting in the district?
- 7.2.2 Have you seen changes in the amount or type of contracts being used for timber sales?
- 7.2.2.1 How have timber purchasers responded to these changes?
- 7.2.3 Has there been a change in the amount of collaboration or the use of collaboration in the district?
- 8.0 Timber Industry Addendum**
- 8.1 How many do you employ?
- 8.1.2 Has the employment increased/declined at all or has it been on a steady trend since the 80s?
- 8.1.3 Where is your workforce housed currently? E.g. How many are local versus commuting?
- 8.1.4 Have you seen changes in the last 25 years in the composition of your work force?
- 8.2.1 What have you done to diversify or respond to change in timber supply?
- 8.3.1 Could you talk a little bit about what public lands you were sourcing your timber from 25 years ago versus now?
- 8.3.2 Are you having to go further or extend your reach to meet your targets?
- 8.3.3 Were you primarily pulling from the [nearest National Forest X]?
- 8.3.4 What National Forests do you pull from now?
- 8.3.5 For the amount of your timber supply that is non-public, what percent of that is coming off your land versus private non-industrial?
- 8.4 With the changes in the Forest Service in the last 25 years how does your relationship with them compare to working with the state or with BLM in terms of the types of sales that they are offering?

A.1.2 Coding Protocol

Table A1.1: Coding schema for semi-structured questions.

Theme	Question Text	Coding Type
Interview Type	Can you tell us about your background and how your work relates to this community?	Interviewee Type
Feedback	How well do you think the school district represents your community?	Quality, Well -Not Well
NWFP	1.3 Are you familiar with the NWFP?	Yes/No
NWFP	1.3.1 If yes, Can you name three things that describe what the plan is about to you?	Free List
Employment	2.1 Have employment opportunities changed in the last 25?	Quantity Change, Increase- Decrease
Employment	2.1.1 Is this trend specific to the timber industry?	Yes/No
Employment	2.1.1.1 What are the changes within timber industry?	Open
Housing	2.2 Has the cost of buying/renting a home changed?	Quantity Change, Increase- Decrease
Services & Commuting	2.3 How has access to goods and services changed in the last 25 years?	Quantity Change, Increase- Decrease
Services & Commuting	2.3.1 Can you expand on that?	Open
Services & Commuting	2. Has the number of people who to commute to work changed?	Quantity Change, Increase- Decrease
Services & Commuting	2.4.1 Have commute distances changed?	Quantity Change, Increase- Decrease
Social Fabric Socializing	2.5 Have there been changes in recreational, leisure, or socializing opportunities? Greater/Fewer	Quantity Change, Greater-Fewer
Social Fabric Socializing	2.5.1 For children	Quantity Change, Greater-Fewer
Social Fabric Socializing	2.5.2 Adults	Quantity Change, Greater-Fewer
Environment	2.6 Have there been changes in the surrounding landscape or waterways?	Open
Social Fabric Education	2.7 Show them School data, ask if they can name 2 or 3 factors that explain it.	Free List
Social Fabric Education	2.8 Do these trends relate to how federal agencies manage the forest?	Yes/No
NWFP	2.9 Are you familiar with the rural schools funding program?	Yes/No
NWFP	2.9.1 How important was secure rural school funding to the community?	Likert 1-5
NWFP	2.9.2 Perception of the trend of rural school funding	Quantity Change, Increase- Decrease
Social Fabric Demography	3.1 Have the number of families with children changed	Quantity Change, Increase- Decrease
Social Fabric Demography	3.2 Do young people stay in town or come back to have families?	Yes/No
Social Fabric Demography	3.3 Do retirees stay here?	Yes/No
Social Fabric Demography	3.3.1 Why/Why not	Open
Social Fabric Demography	3.4 Are there new people moving here?	Yes/No
Social Fabric Demography	3.5 How would you describe people who move here?	Open
Social Fabric Demography	3.6 Are there other changes?	Open
Social Fabric Demography	3.7 How have these changes affected the community?	Positive/Negative
Relationship with Forest and Forest Service	4.1 Would you consider the federal timber land [insert NF or BLM] as an integral component of this community?	Yes/No
Relationship with Forest and Forest Service	4.1.1 What drives that connection? [to Forest Lands]	Open
Relationship with Forest and Forest Service	4.2 Are there other commercial forest lands that are important to the community?	Yes/No

Relationship with Forest and Forest Service	4.3	Would you consider that federal agency people engage in the community?	Yes/No
Relationship with Forest and Forest Service	4.3.1	Describe the relationship between community and staff	Positive/Negative
Relationship with Forest and Forest Service	4.4	How does the community view the agency [FS or BLM]?	Positive/Negative
Relationship with Forest and Forest Service	4.5	How does the community view the current forest management policies?	Positive/Negative
Relationship with Forest and Forest Service/Fire	4.6	Is fire hazard management a community concern/issue	Yes/No
Relationship with Forest and Forest Service/Fire	4.6.1	Does the Agency do enough to protect its resources and adjacent private property?	Yes/No
Relationship with Forest and Forest Service/Fire	4.6.2	Do they do too much? If yes, is Prescribed fire or smoke an issue, is there too much thinning?	Yes/No
Relationship with Forest and Forest Service/Fire	4.6.3	How does fire affect the economy?	Open
Relationship with Forest and Forest Service	4.7	Does the federal land manager [insert FS or BLM] communicate or interact effectively with the community?	Yes/No
Relationship with Forest and Forest Service	4.8	If any, what are the key issues of concern between the FS and community?	Open
Relationship with Forest and Forest Service/Services	5.1	Services: Are there specific geographic areas that are important to the community?	Open
Relationship with Forest and Forest Service/Services	5.1.1	Can you expand on that?	Open
Relationship with Forest and Forest Service/Services	5.1.2	Grazing – yes/no	Yes/No
Relationship with Forest and Forest Service/Services	5.1.3	Recreation – yes/no	Yes/No
Relationship with Forest and Forest Service/Services	5.1.4	Mining – Yes/no	Yes/No
Relationship with Forest and Forest Service/Services	5.1.5	Game/Fish habitat- Yes/No	Yes/No
Relationship with Forest and Forest Service/Services	5.2.1	Non-timber forest products, what are they?	Free List
Relationship with Forest and Forest Service/Services	5.2.1.2	Where do the users come from?	Open
Relationship with Forest and Forest Service/Services	5.2.2	Non-timber forest products, are they well managed / Do people respect Agency rules?	Yes/No
Relationship with Forest and Forest Service/Services	6.1	What [if any] of the above changes that you have described in this interview do you feel are directly related to the Northwest Forest Plan?	Open
Future1		Anything else we didn't discuss that you feel it is important for me to know?	Open
Future2	6.2.1	If there were fewer restrictions on logging in federal timberlands, how would this effect the community?	Open
Future/other	6.2.2	What are other possible futures you could envision for the development of the town?	Open
7.0 Fed Agency Addendum			
FS Perspective	7.1	How have the number of forest service employees changed in the last 25 years?	Quantity Change, Increase- Decrease
FS Perspective	7.1.1	How have the type of forest service employees changed	Open
FS Perspective	7.1.1.1	Have these changes affected their ability to carry out their mission?	Yes/No
FS Perspective	7.1.2	Have Agency staff demographics changed?	Yes/No/Expand

FS Perspective	7.1.3 Where do Agency staff live and has this changed in last 25 years	Open
FS Perspective	7.1.4 Have these changes affected the community?	Yes/No
FS Perspective	7.1.4.1 How?	Open
FS Perspective	7.2 Have you seen changes in program areas or priorities? Where/How?	Yes/No/Expand
FS Perspective	7.2.1 Are you noticing more restoration related contracting in the district?	Yes/No
FS Perspective	7.2.2 Have you seen changes in the amount or type of contracts being used for timber sales?	Yes/No/Expand
FS Perspective	7.2.2.1 How have timber purchasers responded to these changes?	Open
FS Perspective	7.2.3 Has there been a change in the amount of collaboration or the use of collaboration in the district?	Yes/No/Expand
8.0 Timber Industry Addendum		
Industry Perspective	8.1 How many do you employ?	Quantity
Industry Perspective	8.1.2 Has the employment changed at all or has it been on a steady trend since the 80s?	Quantity Change, Increase- Decrease
Industry Perspective	8.1.3 Where is your workforce housed currently? E.g. How many are local versus commuting?	Open
Industry Perspective	8.1.4 Have you seen changes in the last 25 years in the composition of your work force?	Open
Industry Perspective	8.2.1 What have you done to diversify or respond to change in timber supply?	Open
Industry Perspective	8.3.1 Could you talk a little bit about what public lands you were sourcing your timber from 25 years ago versus now?	Open
Industry Perspective	8.3.2 Are you having to go further or extend your reach to meet your targets?	Yes/No Expand
Industry Perspective	8.3.3 Were you primarily pulling from the [nearest National Forest X]?	Open
Industry Perspective	8.3.4 What National Forests do you pull from now?	Open
Industry Perspective	8.4 With the changes in the Forest Service in the last 25 years how does your relationship with them compare to working with the state or with BLM in terms of the types of sales that they are offering?	Open

A.2 Research Protocol for Case Study Background Data

A2.1 Inventory of Services and Amenities

We exported the case study boundaries from ArcGIS into a KMZ layer (see section A.3 for details on case study boundaries). The case study boundary KMZ was then imported into Google My Map (<https://www.google.com/maps>). The boundaries were then visible on the Google map, and were used to evaluate the locations of relevant destinations such as vacation rental homes, libraries, ski areas, and more. The ease of searching Google My Maps made this tool more useful than the use of the layer in Google Earth.

To search the map, the following methods were used:

1. Zoomed view extent to case study boundary on the Google My Map.
2. Searched for each service item using common search terms, “motel” and case study place name. If the boundary contained multiple place names, multiple searches were performed, e.g. for Restaurants: Used search term “restaurants near [town name].”
3. Unless otherwise noted below, the results that lay within the case study boundaries were recorded.

Count of Vacation Rental Homes

- Used Airbnb and VRBO. Homeaway is another popular site but seemed to largely contain duplicates of the VRBO listings.
- Individual listings from each website were compared to each other and to local hotels in the area.
- When duplicates were identified in on Airbnb and VRBO, the Airbnb listings were eliminated and the VRBO listings were retained for the count purposes and pricing average/standard deviation calculations.
- When hotel rooms were listed on Airbnb, those listings were eliminated from the Airbnb count and pricing average/standard deviation calculations, and retained as hotel rooms in the hotel listings only.
- Cascade School District proved a challenge due to the sheer volume of rentals. Airbnb & VRBO were meticulously counted in the Leavenworth area. The Lake Wenatchee area is another popular tourist destination – for this area, only the Airbnb listings were counted.

Hotel/Motel Beds & Rooms

- To count beds and rooms, the hotel website was checked first, followed by Trip Advisor (which typically has room counts). If the room count was unavailable from these sources, the hotel was phoned directly and asked.
- For many of the hotels, bed counts were unavailable.

Campgrounds (Site/Capacity)

- Undeveloped campgrounds (no developed campsites, only primitive/dispersed camping) were not included in the count.

- For campgrounds with a few rustic cabins, the cabins were included in the campground accommodation count, rather than the vacation rental homes or hotel/motel counts.
- Total number of campsites, including double & group sites counted as one site as well.
- Campgrounds are still counted even if marked as seasonally "closed" on webpage.

Restaurants

- Searched “restaurants” by place name.
- Used map on Yelp.com cross-validate count.

Recreation Outfitters & Marinas

- Counted guides, equipment rentals, and gear shops -- all must have a storefront or office within the school district boundaries.
- Marinas were also included in this metric.
- Used Google My Maps with school district layer, Google search, and Yelp.

Golf Courses/Ski Area/Amusement Parks/Other Attractions

- Places that would motivate people to visit the town for vacation.
- Ski Areas are counted if they are within 45 mi of boundary

Post Office

- Method: Looked up post office locations on USPS.com (<https://tools.usps.com/go/POLocatorAction.action>). If they have “Retail Hours” listed, that means that the office is staffed.

Libraries

- Google searched for the key communities (“town name” “library”).

Public Transportation

- Binary: 1 if it exists, 0 if not
- In appendix, record the website for the business that does it
- Needs to allow for commuting: Morning and evening bus to or from a larger community, under two hours

Hospitals

- Google searched for the key communities (“town name” “hospital”).

Wellness Centers

- Medical clinic, mental health clinic, crisis center
- Searched Google Maps for “health clinic,” “medical clinic,” and “urgent care.”

Ambulances – Number

- Counted the number of ambulances that were operated within the school district.
- Included both volunteer and professional ambulances.
- Business address must be within the school district boundaries.

Ambulances – Type (paid or volunteer)

- Binary: 1 if the staff is paid, 0 if volunteer, NA or – if no ambulance exists in the school district.

Dentists

- Counted the number of dentists within the school district.
- Used Yelp.com and Google Maps.

Number of paid fire/emergency response staff

- firedepartment.net > Directory > State > County
- All paid fire and emergency personnel. Full-time counts as one person, part-time counts as 0.5.
- All numbers are for firefighters; other emergency personnel were not listed in this database.
- Some counties listed Forest Service firefighters and resources in this database, but this information was not included in the count as its presence was not consistent across counties.

Community Center/Resources

- Google searched for the key terms (“town name” “community center”).

Heritage Museum/Society

- Google searched for the key terms (“town name” “heritage society”).

A2.2 History, Economy, Additional Background

History

Constructing detailed and accurate local-level historical narratives are research intensive processes. We referenced peer reviewed sources and official government issued documents wherever they were available. To fill in the gaps and cross-check facts, we relied on gray literature and websites maintained by community organizations and locally invested industries. See Appendix D for a list of internet resources we reviewed.

Economy

We used median home prices as a metric for the current state of the local economy and infrastructure. We retrieved median home prices for case studies and states from Zillow.com. See Appendix D for dates and webpage addresses.

Community Assets, Barriers, and Other Current Issues

Additional information on current community assets, barriers, and other issues were gathered through internet search of scholarly and general audiences resources. The results of this research can be found in the Chapter 4 background sections with supplemental summaries reported in Appendix B. Although we used a variety of internet search terms to locate this information, the summaries provided are by no means exhaustive. The impetus for investigating the specific topics outlined came from a combination of topics raised by interviewees, background research, and site visits. We gave priority to peer reviewed and gray literature documents (such as official government reports), followed by reputable news articles, and finally community maintained websites to inform our understanding of these topics. Appendix D notes the sources used, in addition to the sources noted in text.

A.3 GIS Data Sources and Methods

A.3.1 Case Study Community Boundaries

As described in Chapter 4 of this volume, we used school district boundaries to physically bound our case study communities. School district boundaries for each state were downloaded from the U.S. Government open data files (<https://www.data.gov/>). We merged individual states' boundaries into one dataset and selected and visually inspected school district boundaries for a subset of our case study sample communities. We then used this initial inspection to further limit our case study sample to 10 communities that were uniquely bounded by one school district. Seven out of ten of our final case studies were singularly bounded by their school district which included one or more elementary schools and one traditional-track secondary school. Our three exceptions include Happy Camp, California, Santiam Canyon and Gilchrist, Oregon. For Happy Camp we used the elementary school district boundary only since this was more restricted than the secondary school boundary. Santiam Canyon spans two counties, but is otherwise makes sense as a community of place because it contains only one traditional high school and one alternative on-line high school. Gilchrist is technically lumped in with North Klamath County as a school district (which includes Chiloquin), however, we were able to obtain the school-level "district" boundary for this case study which is effectively equivalent to districts in other areas as it has only one school k-12 (see Table A3.1).

Table A3.1

Case Study Community	School District Name	Schools Included
Darrington	Darrington School District	-Darrington Elementary -Darrington High School
Leavenworth	Cascade School District	-Beaver Valley K-5 -Peshastin-Dryden k-2 -Alpine Lakes 3-5 -Icicle River Middle 6-8 -Cascade High School 9-12
Lake Quinault	Lake Quinault School District	Lake Quinault School

Stevenson	Stevenson-Carson School District	-Carson Elementary -Stevenson Elementary -Wind River Middle School -Stevenson High School
Santiam Canyon	Santiam Canyon School District 129J	-Santiam Elementary -Santiam Jr/Sr High School Oregon Connections Academy (excluded)
Gilchrist	Gilchrist Schools, Klamath County School District	Gilchrist Schools (K-12)
Myrtle Point	Myrtle Point School District	Myrtle Crest Elementary Myrtle Point Jr/Sr High School
Riddle	Riddle School District	Riddle Elementary Riddle Jr/Sr High School
Happy Camp	Happy Camp Union Elementary School District	Happy Camp Union Elementary School
Weaverville	Trinity Alps Unified School District	Weaverville Elementary (k-8) Trinity High School

A3.2 Isolation Analysis

To calculate the relative isolation of each community, we used highway drive time to nearest large commercial center. We downloaded highways and locations for interstate highway on/exit-ramps, Walmarts, hospitals, and banks from ArcGIS Online (<https://www.arcgis.com/home/index.html>). We clipped the highway shapefile to the Northwest Forest Plan area and converted it to a raster format with a 100m resolution. We converted each cell value to miles (0.0621372). We snapped point located data to the raster highway layer and calculated minimum drive times from any location along the road network to Walmarts, hospitals, banks, and interstate highway ramps respectively. We then calculated the zonal mean cost distance (drive time) for each data type using case study school districts as our reference zones.

Because each case study included at least one bank (or ATM), we used the bank layer as a way to measure within community travel time to goods and services. We used this within community distance layer as our model for pre-NWFP distance to goods and services, which reflects the greater local diversity and availability of goods and services cited by our interviewees for the 1990s and earlier. We used distance to Walmarts as our model proxy for distance to large commercial center since they were all located within the metropolitan or micropolitan communities closest to our case studies. This distance model served as our proxy for current isolation from goods and services since interviewees in each case study reported the need to commute to these locations in order to access at least some goods or services. We also looked at distance to hospitals as an alternative measure of isolation from goods and services.

A3.3 Commutability and Bedroom Community Potential

“Commutability” (cost-savings in housing by commute drive time) was calculated through the following steps:

1. We assigned a “commute to work community” to each case study by identifying the commute destination most commonly reported by interviewees.
2. We calculated the drive time between case study communities and the work community.
3. We retrieved the median home price (see Appendix A2.2 and Appendix D) for both work community and case study community and the median household wage in the work community.
4. We calculated a commutability index in the follow way: Housing costs were based on a standard monthly 30 year mortgage payment for the median priced home in the residence and work communities. Monthly housing payments were then calculated as a percentage of the median monthly household income for the work community. The difference between the income adjusted monthly housing costs for each community was then divided by the round trip drive time between the two communities.

$$\frac{[(30 \text{ year monthly mortgage payment } 4.5 \% \text{ interest, } 20\% \text{ down for median home price in work community}) * (\text{Median monthly household income in work community})] - [(30 \text{ year monthly mortgage payment } 4.5 \% \text{ interest, } 20\% \text{ down for median home price in residence community}) * (\text{Median monthly household income in work community})]}{(\text{Round trip drive time between residence and work communities})}$$
.housing cost savings (Median home price in commute target community – median home price in case study community) divided by the drive time between case study and the target community.

A3.4 Land Management

We downloaded land management and ownership data from the BLM Landscape Approach Data Portal (<https://www.blm.gov/services/geospatial/GISData>), selecting the BLM [state] Land Status- Surface Management Areas data.

Administrative boundaries for national forests, ranger districts, and wilderness areas were downloaded from the USDA Forest Service “FSGeodata Clearinghouse,” (<https://data.fs.usda.gov/geodata/edw/datasets.php?dsetCategory=boundaries>).

We conducted basic geostatistical analyses to tabulate percentage of case study land area for each land management type.

A.4 Demographic Trajectory

A.4.1 School Enrollment Data

To track local level (sub-census tract) demographic trends, we turned to school enrollment data. We downloaded the data from California, Oregon, and Washington Department of Education websites (see Appendix D). We organized the data by school district and year for (1) total enrollment, (2) minorities as percentage of total enrollment, and (3) Free and reduced lunch eligible as a percentage of total enrollment. To clear the data, we excluded alternative, on-line schools that recruit from other districts. We then conducted basic summary statistics, calculating the moving averages, standard deviations, percent change for all years that were available across all states (1999-2016).

Appendix B: Additional Considerations of Community Assets, Barriers, or Other Current Issues

This appendix contains additional information gathered through background research for the case studies, and other document review. The impetus for investigating these topics came from a combination of topics raised by interviewees, background research and site visits. We used a variety of news articles, documents and other sources to inform our understanding of these topics. Appendix A.2 describes the methods used for collecting the information, and Appendix D notes the sources used, in addition to the sources noted in text. The text in this section serves as additional summary notes about the case study areas, and is not comprehensive for each case in each theme area. The sections include considerations around case study's potential assets, barriers, and current issues.

B.1 Darrington

B1.1 Assets

Darrington Bluegrass Festival—

Since 1986, the Darrington Bluegrass Festival has been held at the Darrington Bluegrass Music Park next to the Darrington Rodeo Grounds, just west of Darrington. Founded in 1977, the festival's origins are in the North Carolina migrant community that was prevalent in Darrington's timber industry. Now in its 43rd year, the event spans three days and typically draws over 8,000 attendees from Seattle and the surrounding area. In the months after the 2014 Oso landslide, which had temporarily blocked Darringtonians' access to amenities in western cities, Snohomish County invested \$150,000 in state money in a marketing campaign promoting Darrington's Stillaguamish Valley. In addition to promoting the natural beauty of the valley, the campaign promoted the Darrington Bluegrass Festival and other local events. The Bluegrass Festival was used as a barometer for the recovery of Darrington's tourism economy. Festival attendance in 2014 was on par with previous years, proving the strength of its draw and its importance as a tourism event for the town.

B1.2 Barriers

Restrictions on new wells—

The 2016 Washington State Supreme Court "Hirst decision" changed how counties approve building permits that use wells for a water source and resulted in the 2018 passage of the Streamflow Restoration Act. The new rules place the onus on Washington counties to assess the levels of rivers and streams when determining groundwater availability for wells. Counties may turn down building permits with insufficient water availability, regardless of the presence or lack of an existing well.

The law also requires 15 WA watersheds to produce updated plans to protect water availability while providing water for residents. In Snohomish County, where Darrington resides, the watershed WRIA 7 “has an instream flow rule that does not regulate permit-exempt wells,” although new wells for domestic use have usage limitations and an associated \$500 fee (EZ View).

Snohomish County Planning & Development Services (PDS) procedures in response to the new rules require that all building permit applicants provide proof of adequate potable water supply, through documentation from an approved water purveyor, the Department of Ecology, or the Snohomish Health District. At minimum, the additional regulations under PDS introduce increased complexity for new buildings, which could create barriers to development in Snohomish County.

Oso landslide—

The 2014 Oso mudslide temporarily blocked Darringtonians’ access to amenities in western cities. This landslide occurred on March 22, 2014 at 10:37 am, killing 43 people, injuring another 10, and destroying 49 homes and other structures. More than 18 million tons of sand, till, and clay fell from an unstable hill located east of Oso and west of Darrington, covering State Route 530 and blockading the small community of Darrington from the amenities of larger cities to the west. For about a month following the slide, residents of Darrington (and visitors traveling to Darrington from the west) had to take a two-hour detour via Highway 20. In addition to the impacts on tourism, increased fuel usage, and reduced access to amenities resulting from the blocked road, the landslide also dammed the North Fork of the Stillaguamish River, resulting in additional concerns around flooding.

B.2 Leavenworth

B2.1 Issues

Cryptocurrency mining—

Over the last few years, digital crypto-currency miners have established a presence in north central Washington. Individuals are technically taking advantage of low cost hydro-electric power produced by the region. The influx of mines could represent economic opportunity, with large businesses flocking to the area, but their extreme demand for electricity could have negative impacts on the area’s tourism industry, power rates, and other amenities. In 2018, the Leavenworth City council passed a zoning ordinance to regulate the growing industry, citing concerns over the fire hazards associated with large electrical loads, noise pollution from heat-dispersal fans cooling computer servers, aesthetic concerns over the look of computer-filled cargo containers, and the potential effects of the industry on power rates. That same year, Chelan

County Public Utility District’s board of commissioners voted unanimously to cease review of new bitcoin mining facility applications, effectively halting the influx of new miners. However, in 2019, the city of Leavenworth loosened their requirements for cryptocurrency mining, by removing the requirement for a conditional-use permit to mine, stating that other existing restrictions on new mines (approval from the Chelan County PUD and state Department of Labor and Industries) were sufficient.

B.3 Lake Quinault

B3.1 Assets

Lake Quinault Lodge—

The original Lake Quinault Lodge, built in 1903, burned and was rebuilt in the 1920s. Today, the lodge is listed in the National Register of Historic Places. In 2010, USFS data counted 707,000 total visits to the Olympic National Forest, 82,000 of which were overnight visits to developed areas, with the overnight visitors spending an average of \$167 per day in the local community. Visitors from outside Washington generated \$240 of tax revenue for each Washington household.

As of 2010, the lodge employed about 150 people and supported community events by donating gift certificates for raffles and even hosting an annual community fundraiser in support of local schools, with reduced lodging and restaurant prices for community members. According to a 2012 report by Headwaters Economics, some community residents feel that the lodge’s community ties have diminished since its purchase by Aramark. Further, its all-inclusive amenities (restaurant, pool, gift shop) could in fact serve to reduce the tourist dollars that are spent in the community. Lake Quinault Lodge has contributed to Olympic National Forest programs by raising more than \$150,000 via voluntary contributions made by its guests.

B3.2 Barriers

Limited Broadband Access—

The Quinault nation suffers from limited broadband access and limited cell service due to small populations. This limits economic development, emergency response, and access to information for students. The FCC’s 2018 Broadband Deployment Report notes that tribal areas lag behind in mobile broadband deployment, with 1.2 million Americans living on Tribal lands still lacking mobile LTE broadband at acceptable speeds.

B.4 Stevenson

B4.1 Assets

Columbia Gorge Interpretive Center—

In a 2015 Gorge tourism report conducted by ECONorthwest and Travel Oregon, Stevenson WA (location of the interpretive center) was rated as the fifth most popular tourist destination in the Columbia Gorge, slightly above the general “parks and natural areas” destination option. In addition to the Columbia Gorge Interpretive Center, Stevenson’s major tourist attractions include the Skamania Lodge, and various scenic overviews and hiking trails. However, a 2011 Gorge Commission study of the Gorge National Scenic Area found that fewer than 2% of respondents visited the Columbia Gorge Interpretive Center. In the cultural tourism category, visitors were much more likely to spend time on the historic Columbia River Highway, Vista House, or Bonneville Dam. A 2016 Travel Oregon study found that Oregon visitors seek out heritage and culture-related activities more frequently than most other activities, and this trend is even stronger in the Mt Hood/Gorge region than in the state of Oregon as a whole. However, they recommended further collaboration among heritage museums, including the CG Interpretive Center and its counterpart the Columbia Gorge Discovery Center in Dallas OR.

Wind River Nursery—

Wind River Nursery, located in Carson WA, was initially used by the US Forest Service as a tree nursery, producing up to 36 million seedlings a year, which were used to reforest clearcut and burned areas. In addition to producing seedlings as a nursery, the site also had a collection of buildings which served as a forestry research site. The nursery was closed in 1997, resulting in the loss of approximately 300 seasonal and full-year jobs. The land was transferred to Skamania County, which intends to re-use the site as Wind River Business Park with a focus on benefiting county residents. Potential lease opportunities include festival grounds, research facilities, and small group retreat centers, as well as the potential for further development into business centers and manufacturing facilities.

B.5 Santiam Canyon

B5.1 Assets

Detroit Lake—

Detroit Lake is a reservoir impounded by the Detroit Dam on the North Santiam River. The dam and reservoir are managed by the US Army Corps of Engineers. The lake is nine miles long by one mile wide, with 32 miles of shoreline when full. In addition to flood control and power generation, Detroit Lake is one of 32 lakes federally designated for recreation. Among its numerous recreation and tourism opportunities are year-round fishing of stocked rainbow trout and other fish; a designated state recreation area with 300 campsites, marina, visitor center, and gift store; and a second privately owned marina with additional services.

B5.2 Barriers

Detroit Lake—

The US Army Corps of Engineers is conducting environmental review of the Detroit Dam. They are considering various projects to improve temperature control and fish passage for salmon and steelhead at the dam. One solution entails constructing a 300-foot tower at the dam, which would result in Detroit Lake being drawn down for up to two years. Lowered water levels in Detroit Lake could have a number of negative implications, including potentially lowering the quality and quantity of drinking water from the North Santiam River, source of drinking water for Salem and surrounding jurisdictions. Lowered water levels could also impact tourism in Detroit and surrounding areas. Studies by ECONorthwest and Oregon State University have found significant economic impacts from lowered levels in the North Santiam and Detroit Lake, including \$2-3.6 million lost in outdoor use of the North Santiam River, and 2% decline in visitor days for every foot of drop in water level at Detroit Lake.

Sewer problems—

Out of the five jurisdictions in North Santiam Canyon (Detroit, Gates, Lyons, Idanha, and Mill City), only Mill City has a centralized wastewater treatment facility. The other towns rely on septic systems for their wastewater disposal. Multiple sources, including a 2014 Economic Opportunity Study and a 2016 NSC Inventory Analysis, have identified the reliance on septic systems as a major obstacle to economic development, especially the potential growth of Detroit's tourism industry, and recommended that the other four towns implement water system improvements in the form of sewer systems and wastewater treatment facilities. In recent years, the Marion County Board of Commissioners has been working with city mayors other stakeholders to develop a wastewater treatment district which would entail shared systems for

the cities that had previously relied on septic systems. The management of the new wastewater infrastructure has not been finalized.

Drinking water—

More than 200,000 daily users get their drinking water from the North Santiam River, including residents of the five jurisdictions in North Santiam Canyon as well as the larger city of Salem. Due to the Three Basins rule, which restricts water discharge into the North Santiam River, many of the properties in the North Santiam Watershed are constrained to septic systems for their wastewater disposal, runoff from which could contaminate the North Santiam River, and potentially contribute to algae blooms.

In addition, toxic algae blooms resulting from warm weather during summer months can affect drinking water, as well as tourism activities. Detroit Lake’s recreational tourism activities such as fishing, swimming, and boating have increasingly been impacted by occasional closures and warnings due to toxicity resulting from algae blooms. In 2018, the effects of the toxic algae blooms reached a new high when low levels of cyanotoxins in drinking water prompted a “do not drink” tap water advisory for children and other vulnerable groups. This drinking water advisory remained in place for nearly a month.

B.6 Gilchrist

B6.1 Assets

Crescent Creek Resort—

In 2007, developers proposed building a 9,000-acre destination resort with two golf courses, 2,000 home sites, and 800 overnight lodging units west of Highway 97, neighboring the communities of Gilchrist and Crescent. In November 2009, the resort’s master plan was approved, but it has been on hold since then, with one source citing low demand for resort homes and a general slump in the real estate market as the rationale for the hold. Beginning in 2010, the creation of the Gilchrist State Forest was facilitated by The Conservation Fund’s acquisition and ensuing sale to the state of Oregon of over 72,000 acres of former Gilchrist Timber Company land. The land comprising the state forest sits directly across the street from the proposed site of Crescent Creek Ranch on the southeast side of Highway 97 and is managed by the Oregon Department of Forestry.

B6.2 Barriers

Sewer problems—

The Klamath-Gilchrist School District boundary includes the towns of Chemult, Crescent, and Gilchrist. Crescent, Gilchrist, and West Crescent do not have adequate wastewater collection and treatment systems, relying either on septic systems or antiquated sewer systems. This lack of infrastructure produces the potential for health hazards resulting from elevated nitrate levels and coliforms such as E. coli, which could threaten the drinking water that residents obtain from the Little Deschutes River.

A 2015 Environmental Report proposed the development of a wastewater treatment facility and collection system in Crescent, with the potential to expand and include Gilchrist and West Crescent. In 2016, the Crescent Sanitary District worked with the Central Oregon Regional Solutions Team to implement this proposal and obtain a portion of the Gilchrist State Forest for the project. The project has moved forward, with all residents being hooked up to the system at no cost, an anticipated residential monthly sewer bill of \$40 per household, and new residential hookup fees of \$150, or \$3500 if new lateral lines must be installed. Thus, the burden on residents is relatively low, with an anticipated high return on the investment. However, new regulations require developers to pay for their own sewer connection, which could present a burden to some future residents.

B.7 Myrtle Point

B7.1 Assets

Dairy farming—

Beyond its history with the timber industry, Myrtle Point's history also includes dairy farming as another central source of income and industry for area residents. According to the Myrtle Point website, early settlers built a "booming agriculture industry in the area, with dairy farming and production of dairy products such as butter and cheese being supplied to communities as far away as San Francisco." The Sinko Dairy in Myrtle Point has been recognized as the first certified organic dairy farm in Oregon, dating to 1994, and organic products are still emphasized in the area's dairy production. Today, the small town of 2,500 still boasts seven dairy farms within its town limits, as well as additional farms in the surrounding Coquille Valley.

B.8 Riddle

B8.1 Assets

Green Diamond Performance Materials—

Green Diamond Performance Materials manufactures and sells specialty sand, which is used for sandblasting, asphalt shingle manufacturing, metal casting, and, most recently, filling the divots in grass on golf courses. The company began with three employees in 1961, and has grown to employ over 60 people, creating a reliable source of income and economic opportunity at their magnesium orthosilicate reserve and plant in Riddle. In 2017, MSI Capital Partners invested in Green Diamond (then called Green Diamond Sand Products) and recapitalized the company.

Seven Feathers Casino Resort—

Owned by the Cow Creek Band of Umpqua Tribe of Indians, Seven Feathers Casino Resort in Canyonville, Oregon, brings economic opportunity through jobs and tourism. The casino has over 900 slot machines, as well as table games and a bingo hall. In addition, it maintains 300 rooms at the attached hotel, as well as a restaurant, spa, arcade, gift shop, and meeting rooms. There is also a 191-space RV park at the resort as well. The resort grew from a 450-seat bingo hall that was established in 1992. The Cow Creek tribe has repeatedly protested and called attention to the Coquille Indian Tribe's "'clandestine' attempts to increase the size of a proposed casino project in Medford" (Mail Tribune, 2019). In 2005, the casino resort laid off 93 employees, citing economic recession and competition resulting from the Coquille tribe's casino expansion. Although numbers specific to the casino are not available, the tribe provides 1,331 payroll jobs and contributes \$188.5 million in economic output to Douglas County, according to a 2016 study by ECONorthwest.

B8.2 Barriers

Formosa Mine Superfund Site—

The abandoned Formosa Mine which re-opened for a short time in the early 1990s is now a superfund site that leaches heavy metals and acid mine drainage into the headwaters of Middle Creek which potentially threatens Riddle's ground water source. The site was initially used for copper and silver mining for over 25 years, from 1910 to 1937. Recent actions at the site include a water diversion system installation by the Oregon Department of Quality in 2000, an investigation of the site's contaminated soil by the EPA in 2012, and a feasibility study of cleanup alternatives by the EPA in 2013. In addition, the Oregon Environmental Health Assessment Program (EHAP) completed a study of the health impacts associated with the site, concluding that drinking water quality is not affected by the site, but that "drinking or bathing in the water directly downstream from the mine is a health hazard" and should be avoided due to the water's high acidity level. The EPA is currently in the process of designing the site's remedy

procedure, which will include excavating contaminated materials, building a containment facility to address leaching issues, contouring select areas to redirect water and reduce associated leaching of waste material, and covering some areas with waste material intact. The site cleanup is funded federally, with the cleanup being managed through state and federal actions.

B.9 Happy Camp

B9.1 Issues

Karuk Tribe—

Based in Happy Camp, the Karuk Tribe's lands are non-contiguous tracts along the Klamath River in Siskiyou and Humboldt counties. The tribe is one of the largest tribes in California. The Karuk Tribe actively contributes to the development of its community, both economically and otherwise. Recent projects include housing divisions, health clinics, Head Start programs, salmon fisheries enhancements, small business assistance, and more. The tribe also operates the People's Center, a museum and cultural center, as well as an internet service provider. The tribe provides jobs to rural communities, currently employing over 100 people. In Happy Camp, the tribe opened a wellness center with a gym, kitchen, computer lab, exercise room, and showers, providing a space for the community to gather and improve wellness.

Marijuana—

Happy Camp has been subject to many of the same difficulties around marijuana legalization as Weaverville, including tensions between the illegal small farms that operated prior to 2018, and the larger operations that emerged with legalization. In addition, residents of Siskiyou County were divided on the subject, with residents voting almost exactly 50-50 for and against California's legalization of recreational marijuana. Additional tensions in the county arose on the subject around illegal cannabis farms, with Siskiyou County Sheriff Jon Lopey targeting these farms and 150 National Guard troops deploying to Northern California in pursuit of illegal farms. The issue is complicated by the presence of over 1,500 Hmong farmers, most of whom who immigrated to the region to grow marijuana prior to its legalization.

B.10 Weaverville

B10.1 Issues

Marijuana industry—

After decades of illegal marijuana growing buoyed the rural economy of Weaverville and the surrounding Trinity County, the 2018 legalization of recreational marijuana in California created a huge shift in market prices and availability, resulting in rippling effects on local marijuana growers. Legalization opened the door for larger growers and marijuana producers to enter the market, effectively crowding out small-scale farmers like those in rural Trinity County, who buckle under the weight of extensive regulation and shrinking profits. Many small-scale growers only entered the industry after the collapse of the timber industry in the 1990s, the area's prior economic industry. Although the marijuana industry represents the opportunity for economic growth, the area's history and limited amenities create economic struggle, as well. Further negative implications result from the high rate of water use by marijuana farms.

B.11 Oregon (Statewide)

B11.1 Issues

Gas station regulations—

Many of the case study participants in Oregon complained about a decline in the number of gas stations over the last 25 or more years. In fact, in 1988, the EPA established federal standards for underground storage tanks (USTs) in response to growing evidence that contemporary steel tanks frequently leaked hazardous waste into the ground. The 1988 standards mandated various tank safety features and required that all existing tanks be either upgraded to newer more stringent standards by 1993 (costs \$10,000) or be closed by 1998. To replace the tank with a new compliant tank, associated costs were approximately \$43,000. Interestingly, the state of Oregon was one of only twelve states that provided financial assistance for tank upgrades. Since then, Oregon has obtained State Program Approval (SPA) for the Oregon Department of Environmental Quality (DEQ) to manage its own UST regulation program, which is at least as stringent as the EPA's.

Appendix C: Annotated Bibliography

In preparation for case study fieldwork and analysis, we conducted a review of previously published case studies of communities within the Northwest Forest Plan area. For each census designated place (CDP) within the Northwest Forest Plan area we searched Google Scholar by CDP name. The total number of returned items during each Google search determined the number of search pages we explored. For example, some communities returned only four pages (or 40 search items), and therefore, we would look through all four pages. Alternatively, other communities returned thousands of pages of search results. In these cases, we used multiple search terms (e.g. “Community Data,” “Northwest Forest Plan,” “Socioeconomic”) to narrow the scope of results.

We reviewed over 286 peer-reviewed publications, gray literature reports, and other miscellaneous documents pertaining to 227 CDPs within the NWFP area. Below, we provide a summary of case studies for communities that had research most relevant to the Northwest Forest Plan (excluding previous NWFP socioeconomic monitoring reports). These communities tended to have more research focused on economic measures related to forestry and the timber industry.

1. Omak, Okanogan County, Washington - The studies for Omak provide a historical context to the Native American population and the community’s interaction with the timber industry. The primary focus of the paper looks at employment trends and economic indicators in relation to the NEAI. Some of these indicators include number of timber employers and jobs, unemployment rates, education levels across the community.
 - a. **Tobe, L.; District, S.; & Center, O. P. A. [N.d.]**. Omak, Okanogan County, Washington – Northwest Economic Adjustment Initiative. Forest Community Research.
 - b. **Middleton, B. R.; Kusel, J. 2007**. Northwest Economic Adjustment Initiative assessment: lessons learned for American Indian community and economic development. *Economic Development Quarterly*. 21(2): 165-178.

2. Aberdeen, Grays Harbor County, Washington – Aberdeen had been a logging community for many years. However, unsustainable logging practices caused a decline in wood-products production and contributed to job loss, in turn causing a 15.1% drop in the city’s population between 1950 and 1990. The decline in timber supply was evident by 1970 and many of Aberdeen’s mills had already closed by the 1990s.
 - a. **Bennis, A. 2016**. Public risk interpretation and community resilience planning: a case study in Aberdeen, Washington. Seattle, WA: University of Washington. 152 p. MUP thesis.

- b. **Laninga, T.; Olsen, K.; Vachon, M.; Wolcott, M. 2015.** Mid-Cascade to Pacific Corridor: Historical. Northwest Advanced Renewables Alliance. Vol. 4.

3. Packwood, Lewis County, Washington – This study primarily analyzes qualitative research gathered through interviews regarding forest governance, the timber industry and its socioeconomic effects, and community involvement in the governance of the forest as a natural resource. However, limited economic data is reported, including the number of jobs in timber, number of businesses outside of industry, and the percentage of school children on free or reduced price lunches.
 - a. **Lenentine, M. 2009.** The brave new world of forestry: designing a participatory strategy for successful community-based collaboration in Packwood, Washington. Burnaby, BC: Simon Fraser University. 91 p. MRM thesis.

4. Hood River, Hood River County, Oregon – These studies on Hood River look at the community’s primary economic activities: forestry and agriculture. Hood River has a high rate of Hispanic workers in comparison to the rest of Oregon counties. These workers fill many of the low wage jobs in the area. All four studies discuss changing demographics as well as the change in forest activity that have occurred over the last few decades.
 - a. **Carne, D. M. 2006.** Hispanic and farmworker health: a community health survey of Hood River County, Oregon. Corvallis, OR: Oregon State University. 10 p. BS thesis.
 - b. **Pierce, J. 2007.** The winds of change: the decline of extractive industries and the rise of tourism in Hood River County, Oregon. Oregon Historical Quarterly. 108(3): 410-431.
 - c. **Hansis, R. 1998.** A political ecology of picking: non-timber forest products in the Pacific Northwest. Human Ecology. 26(1): 67-86.
 - d. **McCauley, L. A.; Lasarev, M. R.; Higgins, G.; Rothlein, J.; Muniz, J.; Ebbert, C.; Phillips, J. 2001.** Work characteristics and pesticide exposures among migrant agricultural families: a community-based research approach. Environmental Health Perspectives. 109(5): 533-538.

5. Black Butte Ranch, Deschutes County, Oregon – The Kelly (2010) examines the forest management and governance through qualitative research gathered via interviews. The author discusses the interaction between the decline in timber and the region’s other industries.
 - a. **Kelly, E. C. 2010.** Forest industry restructuring and emerging forest tenures in Deschutes and Klamath Counties, Oregon. Corvallis, OR: Oregon State University. 24 p. Ph.D. dissertation.

6. Eugene-Springfield Metro, Lane County, Oregon – The two studies below look at economic indicators such as location quotients, income distribution, and median household income by county subdivision. There is a thorough analysis of “national share, industry mix, and regional shift” that looks at industry growth nationally in comparison to Lane County, and attempts to explain the shifts between 2001-2011 by analyzing industries at different scales. These studies focus on Lane County as a whole and the communities within Lane County are statistically described, but the majority of detail concern the Eugene-Springfield Metro area.
 - a. **Borsellino, M. 2015.** Understanding economic conditions in Lane County, Oregon. <http://www.michaelborsellino.com/static/docs/2015-11.LaneEconomic.pdf>. (29 May 2019).
 - b. **Buzby, A. 2013.** Community efficacy for economic development in Lane County, Oregon. Eugene, OR: University of Oregon. 56 p. MCRP terminal project.

7. Port Orford, Curry County, Oregon – The studies documenting Port Orford provide an assessment of the interaction between the fishing industry, timber extraction, and an influx of a retirement population. The consensus among these researchers seems to be that Port Orford has seen itself as a fishing community, but competition from larger commercial fishing boats, decreased stocks, and increased regulations have challenged the future of that identity. Timber was at one time a major economic activity, but has also declined in recent years, with only one sawmill left in Curry County near Brookings. Tourism and an influx of retirees are creating some economic activity, but largely to the dissatisfaction of the local residents. Shoji (2002) outlines a tourism-oriented development plan produced for the Port Orford Planning Commission.
 - a. **Shoji, C. 2002.** Port Orford, Oregon – Strategic plan for community and economic development. Port Orford, OR: City of Port Orford Planning Commission; Coos Bay. OR: Shoji Planning and Development. 47 p.
 - b. **Ackerman, R.; Neuenfeldt, R.; Eggermont, T.; Burbidge, M.; Lehrman, J.; Wells, N.; Chen, X. 2016.** Resilience of Oregon coastal communities in response to external stressors. Ann Arbor, MI: University of Michigan. 243 p. MS final project.
 - c. **Wedell, V.; Revell, D.; Anderson, L.; Cobb, L. 2005.** Port Orford Ocean Resources Team: partnering local and scientific knowledge with GIS to create a sustainable community in Southern Oregon. In: Scholz, A.; Wright, D., eds. Place matters: geospatial tools for marine science, conservation, and management in the Pacific Northwest. Corvallis, OR: Oregon State University Press: 243-271. Part 3, Chapter 4.
 - d. **Dohrn, C. L. 2013.** A new commons: considering community-based co-management for sustainable fisheries. Claremont, CA: Pomona College. 149 p. BA thesis.

8. Happy Camp, Siskiyou County, California – The two studies below looked at the Northwest Economic Adjustment Initiative in relation to Happy Camp and their Native American populations. They looked at several dimensions: physical capital, financial capital, natural capital, human capital, cultural capital, and social capital. While the NEAI provided communities with assistance, many necessary supports were needed to achieve success in boosting the economy.
 - a. **Middleton, B. R.; Kusel, J. 2007.** Northwest Economic Adjustment Initiative assessment: lessons learned for American Indian community and economic development. *Economic Development Quarterly*. 21(2): 165-178.
 - b. **Stercho, A. 2006.** The importance of place-based fisheries to the Karuk Tribe of California: a socioeconomic study. Arcata, CA: Humboldt State University. 222 p. MA project.

9. Weed, Siskiyou County, California – The report below looks at the effect of the timber industry on community features in relation to the Northwest Economic Adjustment Initiative from 1990-1999. Features examined include: unemployment and poverty rates, community development efforts, community capacity, physical capital, financial capital, cultural capital, natural capital. Statistics presented show a decrease in population, a decrease in unemployment, yet an increasing number of school-aged children eligible for free lunch programs. School enrollment dropped by 81 students. The conclusion seemed to be that the decline in the timber industry had a negative effect on some workers, who later left with their families to find other work before NEAI money arrived.
 - a. **Niemann, E.; Kusel, J. 2015.** Weed, Siskiyou County, California – Northwest Economic Adjustment Initiative. Sierra Institute for Community and Environment.

10. Hayfork, Trinity County, California - The several studies below describe community based forestry, resource management and the decline of timber in Hayfork, California. Harrison’s study looked at the social impacts and aspects of personal identity in this shift away from timber. Flint et al (2008) and Abrams et al. (2015) review the importance of connections between forest management and community commitment that must be in place to support of efforts for watershed research and restoration forestry.
 - a. **Flint, C. G.; Luloff, A. E.; Finley, J. C. 2008.** Where is “community” in community-based forestry? *Society and Natural Resources*. 21(6): 526-537.
 - b. **Abrams, J.; Davis, E. J.; Moseley, C. 2015.** Community-based organizations and institutional work in the remote rural West. *Review of Policy Research*. 32(6): 675–698.

- c. **Harrison, S. L. 2017.** A "dying breed"? Exploring logger identity after the decline in the timber industry in Hayfork, CA. Arcata, CA: Humboldt State University. 122 p. MA thesis.

Also noteworthy is a technical memo from the National Oceanic and Atmospheric Administration (NOAA) that describes a list of communities and their socioeconomic relationship to local fisheries. While fisheries are not the focus of our study, the study provides relevant pieces of information on communities of interest that relate to natural resources, tourism, recreation (for example, number of sport fishing licenses), employment features, governance features, and more.

Norman, K.; Sepez, J.; Lazrus, H.; Milne, N.; Package, C.; Russell, S.; Grant, K.; Lewis, R.P.; Primo, J.; Springer, E.; Styles, M.; Tilt, B.; Vaccaro, I. 2007. Community profiles for West Coast and North Pacific fisheries—Washington, Oregon, California, and other U.S. states. NOAA Tech. Memo. NMFS-NWFSC-85. Seattle, WA: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northwest Fisheries Science Center. 617 p.

Appendix D: Web-Based Resources

The outline below depicts the format for web-based resource categories that will be listed for each case study.

Case Study

Geography

Geology—

Climate—

History

Economy

 Services and Amenities

 Low order services—

Gas station

Post offices

Libraries

Public transportation

Supermarkets and grocery stores

Number of paid fire/emergency staff

Ambulances: number and type (paid or volunteer)

Hardware/auto parts stores

Pharmacies

 High order services—

Community center/resources

Heritage museum/society

Banks

Insurance branch

Real estate branch

Hospitals

Wellness centers

Dentists

 Low order tourist amenities—

Count of vacation rental homes

Hotel/motel beds and rooms

Campground capacity

Restaurants

 High order tourist amenities—

Recreation outfitters and marinas

Golf courses, ski areas, and amusement parks

Music venues, fairgrounds, other resorts

Infrastructure Themes

Darrington

Geography

Geology—

U.S. Geological Survey. [N.d.] Geologic units in Snohomish County, Washington. <https://mrdata.usgs.gov/geology/state/fips-unit.php?code=f53061>. (27 November 2018).

Climate—

U.S. Climate Data. [N.d.] Climate Darrington. <https://www.usclimatedata.com/climate/darrington/washington/united-states/uswa0109>. (27 November 2018).

History

Oakley, J. 2009. Darrington – Thumbnail History. <http://www.historylink.org/File/8798>. (3 December 2018).

Sauk-Suiattle Indian Tribe. [N.d.] Sauk-Suiattle Indian Tribe. <http://www.sauk-suiattle.com/>. (3 December 2018).

Economy

Zillow. [N.d.] Darrington Home Prices & Values. <https://www.zillow.com/darrington-wa/home-values/>. (18 December 2018).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.] USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 1 post office

Libraries

Discover Darrington. 2019. Darrington Public Library.

<http://www.discoverdarrington.com/about-us/darrington-local-information/darrington-library>. (4 February 2019).

- 1 public library

Public transportation

Town of Darrington. [N.d.] Transportation Options.

<https://townofdarrington.com/transportation-options/>. (4 February 2019).

- Yes, public transportation options exist to commute to and from the area

Supermarkets and grocery stores

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Number of paid fire/emergency staff

FireDepartment.net. 2015. Darrington Fire District 24.

<https://www.firedepartment.net/directory/washington/snohomish-county/darrington/darrington-fire-district-24>. (8 February 2019).

- 12 paid personnel (24 part-time paid firefighters calculated as equivalent to 12 full-time)

Ambulances: number and type (paid or volunteer)

Darrington Fire District 24. 2018. Facilities. <https://www.darringtonfire.org/stations>. (February 8 2019).

- 2 ambulances, both paid

Hardware/auto parts stores

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Community center/resources

Darrington Community Center. [N.d.] Darrington Community Center.

<http://darringtoncc.org/>. (8 February 2019).

- 1 community center

Heritage museum/society

Discover Darrington. 2019. Darrington Historical Society.

<http://www.discoverdarrington.com/business-directory-1/darrington-historical-society>. (8 February 2019).

- 1 historical society

Banks

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Wellness centers

Skagit Regional Clinics. [N.d.] Skagit Regional Health – Darrington Family Medicine.

<https://www.srclinics.org/locations-and-map/skagit-regional-health-darrington-family-medicine>. (4 February 2019).

- 1 medical clinic

Dentists

Yelp. [N.d.] Dentists in Darrington area, map view. www.yelp.com. (30 January 2019).

- 1 dentist (Darrington Family Dental)

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.] Airbnb vacation rentals in Darrington area, map view. www.airbnb.com. (4 September 2018).

- 8 vacation rental homes

Hotel/motel beds and rooms

Discover Darrington. [N.d.] Darrington Motor Inn.

<http://www.discoverdarrington.com/business-directory-1/darrington-motor-inn>. (5 September 2018).

- 16 units, approximately 24 beds

Ellerie's River Cottages. [N.d.]. Ellerie's River Cottages. <http://www.elleriesrivercottages.com/home>. (5 September 2018).

- 4 units, 16 beds

Campground capacity

Paca Pride Guest Ranch. [N.d.]. Paca Pride Guest Ranch. <http://www.pacapride.com/>. (4 September 2018).

- Paca Pride, 9 tent sites, 1 small yurt, 1 large yurt (accommodates up to 10)

Recreation.gov. [N.d.]. Campgrounds in Darrington area, map view.

<https://www.recreation.gov/search?q=campground%20darrington>. (4 September 2018).

- Bedal Campground, 21 tent sites
- Buck Creek Campground, 29 tent sites
- Clear Creek Campground, 13 tent sites

Snohomish County. [N.d.]. Squire Creek Campground.

<https://snohomishcountywa.gov/DocumentCenter/View/9839/Brochure---Squire-Creek>. (4 September 2018).

- Squire Creek Campground, 33 tent sites

Restaurants

Yelp. [N.d.]. Restaurants in Darrington area, map view. www.yelp.com. (4 September 2018).

- 5 restaurants

Community Assets, Barriers, and Other Current Issues

Darrington Bluegrass Festival—

Bray, K. 2014. At 40 years, Darrington Bluegrass festival organizers hopeful for best. Herald Net. <https://www.heraldnet.com/news/darrington-bluegrass-festival-organizers-hopeful-for-best/>. (8 April 2019).

Broom, J. 2014. Mudslide-ravaged community attempts to forge on with festivals. Bulletin. <https://www.bendbulletin.com/nation/2079833-151/mudslide-ravaged-community-attempts-to-forge-on-with-festivals>. (8 April 2019).

Darrington Bluegrass Festival. 2019. 43rd Annual Darrington Bluegrass Festival. <http://www.darringtonbluegrass.com/home.html>. (8 April 2019).

Fiege, G. 2016. At 40 years, Darrington’s bluegrass festival still going strong. Herald Net. <https://www.heraldnet.com/life/at-40-years-darringtons-bluegrass-festival-still-going-strong/>. (8 April 2019).

Johnson, K. 2014. Bluegrass festival, and hope for tourism, after Oso slide. Seattle Times. http://old.seattletimes.com/html/travel/2024093215_osotourismdarringtonfestivalxml.html. (8 April 2019).

Restrictions on new wells—

Aquatech. 2017. Washington’s water well moratorium: what you need to know. AquaTech Well Drilling and Pumps. <https://aquatechwellandpump.com/washingtons-water-well-moratorium-need-know/>. (15 March 2019).

Department of Ecology EZ View. 2019. Watershed Restoration and Enhancement Committee WRIA Snohomish. https://www.ezview.wa.gov/site/alias__1962/37310/watershed_restoration_and_enhancement_-_wria_7.aspx. (15 March 2019).

Department of Ecology, State of Washington. [N.d.]. Hirst decision. <https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-rights/Case-law/Hirst-decision>. (15 March 2019).

Department of Ecology, State of Washington. [N.d.]. Streamflow restoration. <https://ecology.wa.gov/Water-Shorelines/Water-supply/Streamflow-restoration>. (15 March 2019).

Haglund, N. 2017. Snohomish County responds to new well-drilling rules. Herald Net. <https://www.heraldnet.com/news/snohomish-county-responds-to-new-well-drilling-rules/>. (15 March 2019).

Haglund, N. 2018. County quickly adapts to changes in state well-water rules. Herald Net. <https://www.heraldnet.com/news/county-quickly-adapts-to-changes-from-hirst-decision/>. (15 March 2019).

Snohomish County Planning and Development. [N.d.]. Water supply for building permits and subdivision approvals. <https://snohomishcountywa.gov/3804/Water---Exempt-Well-Information>. (18 March 2019).

Oso landslide—

Haglund, N. 2014. Highway 530 at mudslide could be cleared for use in June. Herald Net. <https://www.heraldnet.com/news/highway-530-at-mudslide-could-be-cleared-for-use-in-june/>. (16 March 2019).

Iwasaki, J. [N.d.]. 2014 Oso mudslide facts: a community rallies after deadly landslide. World Vision. (16 March 2019).

U.S. Geological Survey. 2017. Revisiting the Oso landslide. <https://www.usgs.gov/news/revisiting-oso-landslide>. (16 March 2019).

Wikipedia. 2019. 2014 Oso mudslide. https://en.wikipedia.org/wiki/2014_Oso_mudslide. (16 March 2019).

Leavenworth (Cascade School District)

Geography

Climate—

U.S. Climate Data. [N.d.]. Climate Leavenworth. <https://www.usclimatedata.com/climate/leavenworth/washington/united-states/uswa0227>. (18 January 2019).

History

Business Wire. 2006. Longview fibre company announces planned closure of Leavenworth, Washington sawmill.

<https://www.businesswire.com/news/home/20061011006119/en/Longview-Fibre-Company-Announces-Planned-Closure-Leavenworth>. (5 June 2019).

Pratt, C. 2015. Local couple to buy Peshastin mill site from port.

https://www.wenatcheeworld.com/news/local/local-couple-to-buy-peshastin-mill-site-from-port/article_97a85303-3de2-5cf8-aec8-c5177beeaf8f.html. (17 September 2018).

West, R.D. 2014. Switchbacks and the first Cascade tunnel.

<http://placespages.blogspot.com/2014/03/switchbacks-and-first-cascade-tunnel.html>. (18 January 2019).

Economy

Zillow. [N.d.]. Leavenworth Home Prices & Values. <https://www.zillow.com/leavenworth-wa/home-values/>. (18 December 2018).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 3 post offices

Libraries

North Central Regional Library. [N.d.]. Locations. <http://www.ncrl.org/locations>. (4 February 2019).

- 2 public libraries

Public transportation

Link Transit. [N.d.]. Intercity Routes. http://www.linktransit.com/routes_and_schedules/intercity_routes/index.php. (4 February 2019).

- Yes, public transportation options exist to commute to and from the area

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Number of paid fire/emergency staff

FireDepartment.net. 2015. Chelan County, County Fire Protection District 3. <https://www.firedepartment.net/directory/washington/chelan-county/leavenworth/chelan-county-county-fire-protection-district-3>. (8 February 2019).

- 14 paid personnel (3 full-time, plus 22 part-time firefighters calculated as equivalent to 11 full-time)

Ambulances: number and type (paid or volunteer)

Cascade Medical. [N.d.]. Ambulance Service. <https://cascademedical.org/services/ambulance-services>. (20 February 2019).

- 1 ambulance, with paid personnel

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Heritage museum/society

Upper Valley Museum at Leavenworth. 2017. <http://www.uppervalleymuseum.org/>. (8 February 2019).

- 1 heritage museum

Banks

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Hospitals

Cascade Medical. [N.d.]. <https://cascademedical.org/>. (4 February 2019).

- 1 hospital

Dentists

Yelp. [N.d.]. Dentists in Leavenworth area, map view. www.yelp.com. (30 January 2019).

- 2 dentists (O'brien Bradford P DDS; and Schiefelbein John M DMD)

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.]. Airbnb vacation rentals in Leavenworth area, map view. www.airbnb.com. (11 September 2018).

Airbnb. [N.d.]. Airbnb vacation rentals in Lake Wenatchee area, map view. www.airbnb.com. (22 January 2019).

- 553 vacation rental homes on Airbnb, both areas combined

VRBO. [N.d.]. VRBO vacation rentals in Leavenworth area, map view. www.vrbo.com. (11 September 2018).

- 13 vacation rental homes

HomeAway. [N.d.]. HomeAway vacation rentals in Leavenworth area, map view. www.homeaway.com. (11 September 2018).

- 1 vacation rental home

Hotel/motel beds and rooms

Adventure Inn. [N.d.]. Stay Play Visit. <https://www.adventureinnleavenworth.com/>. (11 September 2018).

- 9 units, 24 beds

Alpen Rose Inn. [N.d.]. <https://alpenroseinn.com/>. (11 September 2018).

- 15 units, 19 beds

Alpine Rivers Inn. 2019. <https://www.alpineriversinn.com/>. (11 September 2018).

- 27 units, approximately 34 beds

Bavarian Lodge. 2018. About the Lodge. <https://www.bavarianlodge.com/about-the-lodge>. (11 September 2018).

- 90 units

Bavarian Ritz Hotel. 2019. <https://www.bavarianritz.com/en-us>. (11 September 2018).

- 16 units, approximately 20 beds

Beaver Valley Lodge. 2019. <https://www.beavervalleylodge.com/>. (11 September 2018).

- Could not verify number of rooms, nor beds

Der Ritterhof Inn. 2019. <https://www.derritterhof.com/>. (11 September 2018).

- 51 units

Enzian. 2016. Welcome to The Enzian Inn. <http://enzianinn.com/>. (11 September 2018).

- 104 units, approximately 155 beds

Evergreen Inn. [N.d.]. <http://www.evergreeninn.com/>. (11 September 2018).

- 40 units

FairBridge Inn & Suites. 2016. <http://www.leavenworthfairbridge.com/>. (11 September 2018).

- 78 units

Featherwinds Lodging. 2019. <http://www.featherwinds.com/>. (11 September 2018).

- 6 units

Hampton Inn. [N.d.] Hampton Inn & Suites Leavenworth. <https://hamptoninn3.hilton.com/en/hotels/washington/hampton-inn-and-suites-leavenworth-EATLVHX/index.html>. (11 September 2018).

- 77 units

Icicle Village Resort. [N.d.] <https://www.iciclevillage.com/>. (11 September 2018).

- 151 units

Inn at the River's Edge. 2015. River's Edge Lodge. <https://riversedgelodgewa.com/>. (11 September 2018).

- 23 units

Leavenworth Howard Johnson Inn. 2009. Accommodations. <http://www.leavenworthhojo.com/rooms.html>. (11 September 2018).

- 41 units

Leavenworth Village Inn. [N.d.] <https://www.leavenworthvillageinn.com/>. (11 September 2018).

- 19 units

Linderhof Inn. 2016. <http://linderhof.com/>. (11 September 2018).

- 33 units

Loge Camps. [N.d.] Loge Leavenworth. <https://www.logecamps.com/leavenworth-wa>. (11 September 2018).

- 8 rooms

Mrs. Anderson's Lodging House. 2018. <http://www.quiltersheaven.com/>. (11 September 2018).

- 9 units, 17 beds

Obertal. 2019. <https://obertal.com/>. (11 September 2018).

- 27 units, approximately 34 beds

Pension Anna. 2018. <https://www.pensionanna.com/>. (11 September 2018).

- 16 units

Posthotel & Spa, Inc. 2017. Posthotel Leavenworth. <https://posthotelleavenworth.com/>. (11 September 2018).

- 55 units

Sleeping Lady Mountain Resort. 2019. <https://www.sleepinglady.com/>. (11 September 2018).

- 58 units

Solstice Suites. 2018. <https://www.solsticesuites.com/>. (11 September 2018).

- Did not include units in hotel/motel room count because the units were listed on Airbnb and were included in that count. (5 units)

The Squirrel Tree Resort. 2018. The Squirrel Tree A Mountain Resort. <https://www.thesquirreltree.com/>. (11 September 2018).

- 6 units

Wedge Mountain Inn. 2018. <https://www.wedgemountain.com/>. (11 September 2018).

- Could not verify number of rooms, nor beds

Campground capacity

Alpine View RV Park. [N.d.] <https://www.alpineviewrvpark.com/home.htm>. (14 January 2019).

- Alpine View RV Park, 33 campsites

Canvas and Stars Luxury Camping. [N.d.] Luxury camping under the stars. <http://washingtonglamping.com/>. (14 January 2019).

- Canvas and stars, 4 sites

Encore RV Resorts. 2019. Leavenworth RV Campground.
<https://rvonthego.com/washington/leavenworth-rv-campground/>. (14 January 2019).

- Leavenworth RV Campground, 279 sites (including cabins and tiny houses)

Kampgrounds of America, Inc. 2019. Leavenworth / Pine Village KOA.
<https://koa.com/campgrounds/leavenworth/>. (14 January 2019).

- Leavenworth KOA, 39 tent sites, 118 RV sites, 47 cabins

U.S. Forest Service. [N.d.]. Wenatchee River Ranger District.
<https://www.fs.usda.gov/recarea/okawen/recreation/camping-cabins/recarea/?recid=57123&actid=29>. (14 January 2019).

- Rock Island Campground, 20 single, 2 double sites
- Johnny Creek Campground, 56 single, 9 double sites
- Eightmile Campground, 41 single, 4 double, 1 group site (up to 70 people)
- Phelps Creek Campground/Horse Camp, 13 sites
- Alpine Meadows Campground, 4 sites
- Nineteenmile Campground, 4 sites
- Atkinson Flat Campground, 4 sites
- Blackpine Horse Camp, 10 sites
- Bridge Creek Campground, 6 single sites, 1 group site (55-70 people)
- Chatter Creek Campground, 12 single sites, 1 group site (45 people)
- Chiawa Horse Camp, 7 sites
- Finner Creek Campground, 3 sites
- Glacier View Campground, 23 sites
- Goose Creek Campground, 26 single, 3 double sites
- Grasshopper Meadows Campground, 5 sites
- Ida Creek Campground, 10 sites
- Lake Creek Campground – Little Wenatchee River, several dispersed sites
- Meadow Creek Campground, 4 dispersed sites
- Napeequa Crossing Campground, 5 sites
- Nason Creek Campground, 70 single, 3 double sites
- Rainy Creek Campground, 10 sites
- Riverbend Campground, 6 sites
- Rock Creek Campground, 4 sites
- Schaefer Creek Campground, 10 sites
- Soda Springs Campground – Little Wenatchee River, 5 sites
- White River Falls Campground, 5 sites

Washington State Parks. [N.d.]. Lake Wenatchee State Park.
<https://parks.state.wa.us/535/Lake-Wenatchee>. (14 January 2019).

- Lake Wenatchee State Park, 199 sites, 1 group site (20-80 people)

Restaurants

Yelp. [N.d.]. Restaurants in Leavenworth area, map view. www.yelp.com. (16 January 2019).

- 70 restaurants

High order tourist amenities—

Recreation outfitters and marinas

Alpine Adventures. 2020. <https://www.alpineadventures.com/>. (16 January 2019).

Arlberg Sports Haus. [N.d.]. <https://www.arlbergsports.com/pages/leavenworth>. (16 January 2019).

Blue Sky Outfitters. 2012. Washington State White Water Rafting. <http://www.blueskyoutfitters.com/>. (16 January 2019).

Der Sportsmann. [N.d.]. <https://www.dersportsmann.com/>. (16 January 2019).

Icicle Outfitters & Guides, Inc. [N.d.]. <http://www.icicleoutfitters.com/>. (16 January 2019).

Leavenworth Outdoor Center. 2019. <https://leavenworthoutdoorcenter.com/>. (16 January 2019).

Northwest Mountain School. 2019. Northwest Mountain School. <http://www.mountain-school.com/>. (16 January 2019).

Osprey Rafting Company. 2017. <https://ospreyrafting.com/>. (16 January 2019).

RiverRider.com. 2019. <http://riverrider.com/>. (16 January 2019).

Yelp. [N.d.]. Leavenworth Mountain Sports. <https://www.yelp.com/biz/leavenworth-mountain-sports-leavenworth-2>. (16 January 2019).

- 10 recreation outfitters

Golf courses, ski areas, and amusement parks

Enzian Inn. 2016. Golf & Tennis. <http://enzianinn.com/golf/>. (16 January 2019).

Kahler Glen Golf Club. [N.d.]. <http://www.kahlerglen.com/>. (16 January 2019).

Leavenworth Golf Course. 2019. <https://leavenworthgolf.com/>. (16 January 2019).

Leavenworth Winter Sports Club. [N.d.]. Ski Leavenworth! <https://skileavenworth.com/>. (16 January 2019).

Mission Ridge. 2019. <https://www.missionridge.com/>. (16 January 2019).

Stevens Pass. [N.d.]. <https://www.stevenspass.com/site>. (16 January 2019).

- 6 total (3 golf courses, 3 ski areas, 0 amusement parks)

Music venues, fairgrounds, other resorts

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Cryptocurrency mining—

De, N. 2018a. Washington state county moves to limit new Bitcoin mining firms. CoinDesk. <https://www.coindesk.com/washington-states-chelan-county-moves-limit-new-bitcoin-mining-firms>. (16 May 2019).

De, N. 2018b. Washington state county shuts down ‘unauthorized’ crypto miners. CoinDesk. <https://www.coindesk.com/washington-state-county-shuts-unauthorized-crypto-miners>. (16 May 2019).

Irwin, M. 2018. Washington cities, county dial back Bitcoin enthusiasm. GovTech. <https://www.govtech.com/computing/Washington-Cities-County-Dial-Back-Bitcoin-Enthusiasm.html>. (16 May 2019).

Mire, B. 2018. Leavenworth adopts new cryptocurrency standards. Wenatchee World. https://www.wenatcheeworld.com/news/local/leavenworth-adopts-new-cryptocurrency-standards/article_ea6ac097-b2b2-557b-97be-3ee09a4cfa53.html. (16 May 2019).

Roberts, P. 2018. This is what happens when Bitcoin miners take over your town. Politico. <https://www.politico.com/magazine/story/2018/03/09/bitcoin-mining-energy-prices-smalltown-feature-217230>. (16 May 2019).

Lake Quinault

History

National Park Service. 2016. Olympic National Park, History & Culture. <https://www.nps.gov/olymp/learn/historyculture/index.htm>. (20 November 2018).

U.S. Forest Service. [N.d.]. Olympic National Forest, History & Culture. <https://www.fs.usda.gov/main/olympic/learning/history-culture>. (20 November 2018).

Economy

Zillow. [N.d.]. Aberdeen Home Prices & Values. <https://www.zillow.com/aberdeen-wa/home-values/>. (17 April 2019).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 4 post offices

Libraries

Lake Quinault. [N.d.]. About Lake Quinault: Local Services. <http://www.quinaulttrainforest.com/Quinault-WA/local-services.html>. (4 February 2019).

- 1 public library

Public transportation

Grays Harbor Transit. [N.d.]. Bus Schedules & Maps. <http://www.ghtransit.com/Bus-Schedules-Maps>. (4 February 2019).

Jefferson Transit. 2018. Olympic Connection. <https://jeffersontransit.com/maps-schedules/schedules/olympic-connection/>. (4 February 2019).

- Yes, public transportation options exist to commute to and from the area

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Number of paid fire/emergency staff

FireDepartment.net. 2015. Lake Quinault Volunteer Fire Department. <https://www.firedepartment.net/directory/washington/grays-harbor-county/quinault/lake-quinault-volunteer-fire-department>. (8 February 2019).

- 7.5 paid personnel (15 part-time firefighters calculated as equivalent to 7.5 full-time)

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Heritage museum/society

Lake Quinault Museum and Historical Society. 2018. Lake Quinault Museum and Historical Society. <http://www.lakequinaultmuseum.org/>. (4 February 2019).

- 1 historical society / museum

Banks

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Wellness centers

Lake Quinault. [N.d.]. Quinault Medical Clinic. <http://www.quinaulttrainforest.com/pages/clinic.html>. (4 February 2019).

- 1 medical clinic

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.]. Airbnb vacation rentals in Lake Quinault area, map view. www.airbnb.com. (5 September 2018).

- 6 vacation rental homes

HomeAway. [N.d.]. HomeAway vacation rentals in Lake Quinault area, map view. www.homeaway.com. (5 September 2018).

- 1 vacation rental home

Hotel/motel beds and rooms

Aramark. 2019. Lake Quinault Lodge. <https://www.olympicnationalparks.com/lodging/lake-quinault-lodge/>. (5 September 2018).

- 92 units, approximately 118 beds

Lochaerie Resort. [N.d.]. Our Lake Quinault Cabins. <https://www.lochaerie.com/our-cabins/>. (5 September 2018).

- 6 units, 12 beds

Quinault River Inn. 2019. Welcome to the Quinault River Inn. <http://quinaultriverinn.com/>. (5 September 2018).

- 8 units, approximately 12 beds

Rain Forest Resort Village. [N.d.]. Rain Forest Resort Village. <https://www.rainforestresort.com/user-files/Web%20site%20rates%202017-18.pdf>. (5 September 2018).

- 28 units, 52 beds

Campground capacity

U.S. Forest Service. [N.d.]. Olympic National Forest Recreation. <https://www.fs.usda.gov/recmain/olympic/recreation>. (5 September 2018).

- Satsop Center Campground, 13 campsites
- Coho Campground, 56 campsites
- Willaby Campground, 21 campsites
- Falls Creek Campground, 31 campsites
- Gatton Creek, 5 campsites

Restaurants

Yelp. [N.d.]. Restaurants in Lake Quinault area, map view. www.yelp.com. (14 January 2019).

– 6 restaurants

High order tourist amenities—

Music venues, fairgrounds, other resorts

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Lake Quinault Lodge—

Buttolph, L.P.; Kay, W.; Charnley, S.; Moseley, C.; Donoghue, E.M. 2006. Socioeconomic monitoring of the Olympic National Forest and three local communities.

https://www.fs.fed.us/pnw/pubs/pnw_gtr679.pdf. (8 April 2019).

Headwaters Economics. 2012. The economy of the Olympic Peninsula and potential impacts of the draft Congressional watershed conservation proposal. <https://headwaterseconomics.org/wp-content/uploads/olympic-peninsula-report.pdf>. (8 April 2019).

National Forest Foundation. 2018. NFF and Aramark raise more than \$150,000 for conservation and preservation of the Olympic National Forest.

<https://www.nationalforests.org/who-we-are/press-news/nff-aramark-raise-more-than-150-000-for-conservation-and-preservation-of-the-olympic-national-forest>. (8 April 2019).

Limited Broadband Access—

Federal Communications Commission. 2018. 2018 Broadband deployment report.

<https://www.fcc.gov/reports-research/reports/broadband-progress-reports/2018-broadband-deployment-report>. (22 March 2019).

Walker, R. 2018a. Broadband deployment lags in Indian Country, rural America. Indian Country Today. <https://newsmaven.io/indiancountrytoday/news/broadband-deployment-lags-in-indian-country-rural-america-0HK-NLCqEEi3b1RIMg3NCQ/>. (22 March 2019).

Walker, R. 2018b. Northwest Native leaders talk about their own broadband struggles. Indian Country Today. <https://newsmaven.io/indiancountrytoday/news/northwest-native-leaders-talk-about-their-own-broadband-struggles-KxzQIFo8YUGfJS8VDjvdhQ/>. (22 March 2019).

Stevenson

History

Columbia River: A photographic journey. 2014. Stevenson, Washington.
<http://columbiariverimages.com/Regions/Places/stevenson.html>. (31 December 2018).

InciWeb. 2018. Eagle Creek Fire. <https://inciweb.nwcg.gov/incident/5584/>. (2 January 2019).

SDS Lumber Company. 2019. Early History of SDS Lumber Company.
<https://www.sdslumber.com/about-the-sds-lumber-company/early-history-of-sds-lumber-company/>. (December 31, 2018).

Wilma, D. 2006. Skamania County – Thumbnail History. <https://www.historylink.org/File/7811>.
(30 December 2018).

Economy

High Cascade. [N.d.] High Cascade. <http://www.highcascade.net/>. (5 June 2019).

Hood River News. 2001. Mill future in limbo as Hanel sold. Aug 8.
https://www.hoodrivernews.com/archive/mill-future-in-limbo-as-hanel-sold/article_2a74c224-4fbb-5177-9166-5af0508dbc71.html. (20 December 2018).

Wener-Fligner, Z. 2015. Dronetown USA. In: Quartz. <https://qz.com/398665/dronetown-usa/>.
(2 January 2019).

Zillow. [N.d.] Skamania County Home Prices & Values. <https://www.zillow.com/skamania-county-wa/home-values/>. (1 May 2019).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 4 post offices

Libraries

Fort Vancouver Regional Libraries. [N.d.]. Find a Library Location. <http://www.fvrl.org/hours-locations>. (4 February 2019).

- 2 public libraries

Public transportation

Skamania County Central Services. 2019. Skamania County Transit. <http://www.skamaniacounty.org/senior-services/homepage/services/public-transportation/skamania-county-transit/>. (4 February 2019).

- Yes, public transportation options exist to commute to and from the area

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Number of paid fire/emergency staff

FireDepartment.net. 2015. Skamania County Fire District 5. <https://www.firedepartment.net/directory/washington/skamania-county/north-bonneville/skamania-county-fire-district-5>. (8 February 2019).

- 7.5 paid personnel (15 part-time firefighters calculated as equivalent to 7.5 full-time)

Ambulances: number and type (paid or volunteer)

Skamania County EMS. [N.d.]. Skamania EMS: About Us. <https://skamaniaems.com/about-us/>. (8 February 2019).

- 4 ambulances, 2 of which are maintained with full staff (part-time, full-time, and volunteer)

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Community center/resources

Skamania County Central Services. 2019. Hegewald Center.
<http://www.skamaniacounty.org/facilities-rec/homepage/facilities/rock-creek-hegewald-center/>.
(8 February 2019).

Washington Information Network 211. 2019. North Bonneville Senior Center.
https://www.resourcehouse.info/win211/Providers/North_Bonneville_Senior_Center/Senior_Center/1?returnUrl=%2Fwin211%2FSpecialTopics%2FSeniors%2FSenior_Centers%3F. (8 February 2019).

- 2 community centers

Heritage museum/society

Columbia Gorge Interpretive Center Museum. 2012. Columbia Gorge About.
<http://www.columbiagorge.org/about/>. (8 February 2019).

- 1 heritage museum

Banks

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Wellness centers

NorthShore Medical Group. 2018. NorthShore Medical Locations. <https://northshore-medical.com/locations/>. (4 February 2019).

- 1 medical center

Dentists

Yelp. [N.d.]. Dentists in Stevenson area, map view. www.yelp.com. (30 January 2019).

- 1 dentist (Jack D. Clifton, DDS)

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.]. Airbnb vacation rentals in Stevenson area, map view. www.airbnb.com. (11 September 2018).

- 34 vacation rental homes

VRBO. [N.d.]. VRBO vacation rentals in Stevenson area, map view. www.vrbo.com. (11 September 2018).

- 10 vacation rental homes

Hotel/motel beds and rooms

Carson Hot Springs Resort. [N.d.]. Carson Hot Springs. <https://carsonhotspringresort.com/>. (11 September 2018).

- 78 units, approximately 117 beds

Carson Ridge Luxury Cabins. 2019. Carson Ridge Cabins. <https://carsonridgecabins.com/>. (11 September 2018).

- 10 units, 10 beds

Choice Hotels. [N.d.]. Rodeway Inn.

<https://www.choicehotels.com/washington/stevenson/rodeway-inn-hotels/wa071>. (11 September 2018).

- 30 units, approximately 45 beds

Columbia Gorge Riverside Lodge. 2019. Welcome. <http://www.cgriversidelodge.com/>. (11 September 2018).

- 8 units, 18 beds

Destination Hotels. 2019. Skamania Lodge. <https://www.destinationhotels.com/skamania>. (11 September 2018).

- 258 units, 387 beds

The Resort at Skamania Coves. 2019. The Resort at Skamania Coves. <https://skamaniacoves.com/>. (11 September 2018).

- 7 units, 19 beds

Campground capacity

Recreation.gov. [N.d.] Campgrounds in Stevenson area, map view. <https://www.recreation.gov/>. (11 September 2018).

- Panther Creek Campground, 33 campsites
- Beaver Campground, 25 campsites
- Government Mineral Springs Guard Station, 1 site
- Paradise Creek Campground, 42 campsites
- Goose Lake Campground, 18 campsites
- Peterson Prairie Campground, 31 campsites
- Atkisson Group Campground, 1 site

Restaurants

Yelp. [N.d.] Restaurants in Stevenson area, map view. www.yelp.com. (14 January 2019).

- 29 restaurants

High order tourist amenities—

Golf courses, ski areas, and amusement parks

Beacon Rock Golf Course. 2019. Beacon Rock Golf Course. <http://www.beaconrockgolf.com/>. (14 January 2019).

Carson Hot Springs Resort. [N.d.]. Elk Ridge Golf Course.
<https://carsonhotspringresort.com/about-elk-ridge-golf-course>. (14 January 2019).

Destination Hotels. 2019. Skamania Lodge Golf Resort.
<https://www.destinationhotels.com/skamania/golf>. (14 January 2019).

- 3 total (3 golf courses)

Music venues, fairgrounds, other resorts

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Columbia Gorge Interpretive Center—

Burns, R.C. 2011. Columbia River Gorge vital signs indicators resident and visitor study.
<http://www.gorgecommission.org/images/uploads/pdfs/VSSISurvey2011.pdf>. (8 April 2019).

ECONorthwest. 2015. Columbia River Gorge visitor opportunities survey. Travel Oregon.
<http://industry.traveloregon.com/content/uploads/2015/08/Travel-Oregon-Survey-Report-1-19-2015-1.pdf>. (8 April 2019).

TripAdvisor. [N.d.]. Top attractions in Stevenson. https://www.tripadvisor.com/Attractions-g58768-Activities-Stevenson_Washington.html. (8 April 2019).

Write to Know Consulting. 2016. Columbia Gorge Tourism Studio baseline assessment.
<http://industry.traveloregon.com/content/uploads/2015/08/Columbia-Gorge-Baseline-Assessment-Jan-2016.pdf>. (8 April 2019).

Wind River Nursery—

Center for Land Use Interprestaion. [N.d.]. Land use database: Wind River Nursery, Washington. <http://clui.org/ludb/site/wind-river-nursery>. (17 April 2019).

Port of Skamania County. [N.d.]. Wind River Business Park: history of the site.
<https://portofskamania.org/for-lease/wind-river-business-park/history-of-the-site/>. (17 April 2019).

The Portico Group. 2000. Wind River Nursery site and facility plan. http://www.skamaniacounty.org/COMM_DEV/Wind_River_Nursery_Development_Plan.pdf. (17 April 2019).

Santiam Canyon

Geography

Geology—

Smith, C.S. 2011. Ethnography on Detroit: Differing interpretations of sustainability and natural resource management in three adjacent communities in the Oregon Cascades. [Seattle, WA]: University of Washington. 371 p. Ph.D. Dissertation.

History

InciWeb. 2017. Whitewater Fire. <https://inciweb.nwcg.gov/incident/article/5420/41850/>. (13 November 2018).

U.S. Forest Service. [N.d.] History & Culture. <https://www.fs.usda.gov/main/willamette/learning/history-culture>. (8 November 2018).

Economy

Canyon Crisis and Resource Center. 2017. <http://canyoncrisis.org/>. (13 January 2019).

FireDepartment.net. 2018. Marion County, OR Fire Departments. <https://beta.firedepartment.net/directory/oregon/marion-county/>. (23 January 2019).

Frank Lumber Co. 2019. History. <http://www.franklumberco.com/history/>. (8 November 2018).

Zillow. [N.d.] Oregon Home Prices & Values. <https://www.zillow.com/or/home-values/>. (12 December 2018).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 4 post offices

Libraries

KOIN.com. 2018. Mill City Library reopens after fire. June 29. https://www.koin.com/news/mill-city-library-reopens-after-fire_20180630013958/1274588928. (4 February 2019).

- 1 public library

Public transportation

Salem Area Mass Transit District. [N.d.]. Mill City. <https://www.cherriots.org/stop/1489/>. (4 February 2019).

- Yes, public transportation options exist to commute to and from the area

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Number of paid fire/emergency staff

FireDepartment.net. 2015. Mill City Rural Fire Protection District. <https://www.firedepartment.net/directory/oregon/linn-county/mill-city/mill-city-rural-fire-protection-district>. (8 February 2019).

- 1 paid personnel (1 full-time)

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Community center/resources

Facebook. 2019. Canyon Senior Center. <https://www.facebook.com/pages/Canyon-Senior-Center/158378497528727>. (8 February 2019).

- 1 community center

Heritage museum/society

Facebook. 2018. North Santiam Historical Society. <https://www.facebook.com/pages/North-Santiam-Historical-Society/148442725199771>. (8 February 2019).

- 1 heritage society

Banks

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Wellness centers

Santiam Hospital. [N.d.]. Santiam Medical Clinic. <http://santiamhospital.org/clinic-Santiam-Medical.php>. (4 February 2019).

- 1 medical clinic

Dentists

Yelp. [N.d.]. Dentists in Santiam Canyon area, map view. www.yelp.com. (30 January 2019).

- 2 dentists (Cynthia Peticolas DMD; and Mill City Dental Center)

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.]. Airbnb vacation rentals in Santiam Canyon area, map view. www.airbnb.com. (16 January 2019).

- 13 vacation rental homes

VRBO. [N.d.]. VRBO vacation rentals in Santiam Canyon area, map view. www.vrbo.com. (16 January 2019).

- 18 vacation rental homes

Hotel/motel beds and rooms

All Seasons Motel. [N.d.]. <http://www.allseasonsmotel.net/>. (16 January 2019).

- 17 units, approximately 22 beds

Breitenbush Hot Springs. 2019. Lodging. <https://breitenbush.com/lodging-descriptions/>. (16 January 2019).

- 50 units, approximately 68 beds

Detroit Lakeside Motel. 2023. Rooms and amenities. <https://www.detroitlakesidemotel.com/rooms>. (16 January 2019).

- 4 units, 8 beds

Lodge at Detroit Lake. 2018. <http://lodgeatdetroitlake.com/>. (16 January 2019).

- 12 units, 19 beds

Oak Park Motel. [N.d.]. <http://www.oak-park-motel.com/>. (16 January 2019).

- 7 units, 10 beds

Rushing River Retreat. [N.d.]. <http://www.rushingriverretreat.com/home.html>. (16 January 2019).

- 93 units, approximately 133 beds total

Campground capacity

Oregon Department of Forestry. 2017. Santiam State Forest Recreation Guide [Brochure].

Lyons, OR: Santiam District Office.

<https://www.oregon.gov/ODF/Documents/Recreation/SantiamStateForestRecreationGuide.pdf>. (16 January 2019).

- Rock Creek Campsites, 3 sites
- Santiam Horse Camp, 9 sites

Oregon Parks and Recreation Department. 2019. Find a Park.

https://oregonstateparks.org/index.cfm?do=visit.dsp_find. (16 January 2019).

- Detroit Lake State Recreation Area, 271 sites
- North Santiam State Recreation Area, 9 sites

U.S. Forest Service. [N.d.] Detroit Ranger District (US Highway 22).

<https://www.fs.usda.gov/recarea/willamette/recreation/camping-cabins/recarea/?recid=4207>. (16 January 2019).

- Gold Butte Lookout, 1 site (primitive cabin)
- Cleator Bend Group Campground, 1 group site (45 people)
- Cove Creek Campground, 63 single sites, 1 group site (70 people)
- Hoover Campground, 36 single sites, 1 group site (70 people)
- Fox Creek Group Campground, 1 group site (75 people)
- Piety Island Campground, 22 sites
- Santiam Flats Campground, 32 sites
- Southshore Campground, 32 sites
- Elk Lake Campground, 17 sites

- Humbug Campground, 22 sites
- Marion Forks Campground and Day Use Area, 15 sites
- Riverside at Detroit Campground, 36 sites
- Shady Cove Campground, 13 sites
- Whispering Falls Campground, 16 sites

U.S. Forest Service. [N.d.]. Mt. Hood National Forest.

<https://www.fs.usda.gov/activity/mthood/recreation/camping-cabins/?recid=52770&actid=29>.
(16 January 2019).

- Lower Lake Campground, 8 sites
- Breitenbush Lake Campground, 20 sites

Restaurants

Yelp. [N.d.]. Restaurants in Santiam Canyon area, map view. www.yelp.com. (30 January 2019).

- 12 restaurants

High order tourist amenities—

Recreation outfitters and marinas

Detroit Lake Marina. 2019. <http://detroitlakemarina.com/>. (30 January 2019).

eNRG Kayaking. 2019. Contact Us. <http://enrgkayaking.com/contact-us/>. (30 January 2019).

Experience Store. 2013. <http://www.experiencestore.net/>. (30 January 2019).

Kane's Marina. [N.d.]. <https://www.kanesmarina.com/>. (30 January 2019).

- 4 total (2 recreation outfitters, 2 marinas)

Golf courses, ski areas, and amusement parks

Elkhorn Golf. 2019. <https://www.elkhorgolf.com/>. (4 February 2019).

Ski Hoodoo. 2019. <https://skihoodoo.com/>. (4 February 2019).

- 2 total (1 golf course, 1 ski area)

Music venues, fairgrounds, other resorts

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Detroit Lake—

Much, J. 2016. Opening up Santiam Canyon outdoors. Salem Statesman Journal. <https://www.statesmanjournal.com/story/news/2016/03/12/opening-up-santiam-canyon-outdoors/81604256/>. (13 May 2019).

Oregon State Parks. 2019. Detroit Lake State Recreation Area. https://oregonstateparks.org/index.cfm?do=parkPage.dsp_parkPage&parkId=65. (13 May 2019).

Poehler, B. 2019. How much is the North Santiam River worth? Try \$170 million a year. Salem Statesman Journal. <https://www.statesmanjournal.com/story/news/local/stayton/2019/02/01/salem-drinking-water-santiam-river-economic-impact-endangered-species/2519013002/>. (13 May 2019).

Urness, Z. 2018a. Detroit Lake project could foul Salem drinking water, lead to water shortages, city says. Salem Statesman Journal. <https://www.statesmanjournal.com/story/news/2018/01/22/detroit-lake-project-could-foul-salem-drinking-water-lead-water-shortages-city-says/1054796001/>. (13 May 2019).

Urness, Z. 2018b. Major dam project could empty Detroit Lake for years, in fish recovery plan. Salem Statesman Journal. <https://www.statesmanjournal.com/story/news/2018/01/13/detroit-lake-oregon-reservoir-empty-army-corps-engineers-salmon-steelhead-low-water/1015180001/>. (13 May 2019).

Urness, Z.; Poehler, B. 2019. Army Corps considering plan that wouldn't empty Detroit Lake in major fish project. Salem Statesman Journal. <https://www.statesmanjournal.com/story/news/2019/03/08/detroit-lake-project-empty-lake-drain-army-corps-of-engineers/3107588002/>. (13 May 2019).

U.S. Army Corps of Engineers. [N.d.]. Detroit Dam & Lake downstream passage project. <https://www.nwp.usace.army.mil/Willamette/Detroit/fish-passage/>. (13 May 2019).

U.S. Army Corps of Engineers. 2018. Detroit Downstream Passage Project: interim alternatives report. <https://usace.contentdm.oclc.org/digital/collection/p16021coll7/id/7598>. (13 May 2019).

Sewer problems—

Gonzalez, D. [N.d.]a. Brownfields through a public health lens: the fight for clean water and economic opportunity in the North Santiam Watershed. <http://www.oregon4biz.com/Brownfields-Conference/Materials/2C-MarionCo.pdf>. (22 March 2019).

Gonzalez, D. [N.d.]b. North Santiam sewer project. <http://oregonbusinessplan.org/wp-content/uploads/2015/07/Breakout-Rural-Water-Projects-North-Santiam-Wastewater-Project.pdf>. (22 March 2019).

HBH Consulting Engineers. 2014. City of Detroit wastewater feasibility study. http://detroitoregon.us/wordpress_c/wp-content/uploads/2016/03/Wastewater-Feasibility-Study-Final-Draft-09.2014.pdf. (22 March 2019).

Marion County, Oregon. [N.d.]. North Santiam joint wastewater project. <https://www.co.marion.or.us/CS/EconomicDevelopment/Pages/North-Santiam-Joint-Wastewater-Project.aspx>. (22 March 2019).

Maul Foster & Alongi. 2016. North Santiam Canyon inventory and analysis. http://detroitoregon.us/wordpress_c/wp-content/uploads/2016/12/2-MFA-Summary-to-MCBOCC-10-31-16.pdf. (22 March 2019).

Mid-Willamette Council of Governments. 2014. North Santiam Canyon economic opportunity study. <https://www.mwvcog.org/wp-admin/admin-ajax.php?cdm-download-file-id=NDV8MjAxNS0wOC0yNyAxMDoyNToyM3xuc2MtZW9zLWRyYWZ0LXBsYW4tOS4yNS5wZGY>. (22 March 2019).

Oregon Department of Environmental Quality. 2003. Sanitary survey of on-site sewage disposal systems in Detroit and Idanha. http://detroitoregon.us/wordpress_c/wp-content/uploads/2016/03/Sanitary-Survey-2003.pdf. (22 March 2019).

Paul, A. 2018. Board learns about North Canyon wastewater project. Albany Democrat Herald. https://democratherald.com/news/board-learns-about-north-canyon-wastewater-project/article_df530844-44eb-5ce1-bc75-04f7a2b29de2.html. (22 March 2019).

Poehler, B. 2019. How Salem's water will be improved by a sewer 60 miles away in Detroit. Salem Statesman Journal.

<https://www.statesmanjournal.com/story/news/local/stayton/2019/01/04/detroit-north-santiam-canyon-sewer-project-help-businesses-salem/2437303002/>. (22 March 2019).

Drinking water—

Bach, J.; Poehler, B.; Urness, Z. 2018. When will Salem drinking water be safe? When did city find out? 11 questions answered. Salem Statesman Journal.

<https://www.kgw.com/article/news/local/marion-county/when-will-salem-drinking-water-be-safe-when-did-city-find-out-11-questions-answered/283-559846660>. (22 March 2019).

City of Salem. [N.d.]. Water advisory information. <https://www.cityofsalem.net/Pages/water-advisory.aspx>. (22 March 2019).

Gonzalez, D. [N.d.]. Brownfields through a public health lens: the fight for clean water and economic opportunity in the North Santiam Watershed.

<http://www.oregon4biz.com/Brownfields-Conference/Materials/2C-MarionCo.pdf>. (22 March 2019).

Guevarra, E.C. 2018. Salem issues another drinking water advisory over cyanotoxins.

<https://www.opb.org/news/article/salem-oregon-drinking-water-advisory-cyanotoxins/>. (22 March 2019).

NPR. 2018. As climate warms, algae blooms in drinking water supplies.

<https://www.npr.org/2018/09/03/641606668/as-climate-warms-algae-blooms-in-drinking-water-supplies>. (22 March 2019).

Oregon Department of Environmental Quality. 2003. Sanitary survey of on-site sewage disposal systems in Detroit and Idanha. http://detroitoregon.us/wordpress_c/wp-content/uploads/2016/03/Sanitary-Survey-2003.pdf. (22 March 2019).

Poehler, B. 2019a. How much is the North Santiam River worth? Try \$170 million a year. Salem Statesman Journal.

<https://www.statesmanjournal.com/story/news/local/stayton/2019/02/01/salem-drinking-water-santiam-river-economic-impact-endangered-species/2519013002/>. (22 March 2019).

Poehler, B. 2019b. How Salem's water will be improved by a sewer 60 miles away in Detroit. Salem Statesman Journal.

<https://www.statesmanjournal.com/story/news/local/stayton/2019/01/04/detroit-north-santiam-canyon-sewer-project-help-businesses-salem/2437303002/>. (22 March 2019).

Gilchrist

Geography

Climate—

U.S. Climate Data. [N.d.]. Climate Crescent.

<https://www.usclimatedata.com/climate/crescent/oregon/united-states/usor0451>. (9 April 2019).

History

Heath, E. 2010. Seventy-five years of progress: An historical sketch of the Southern Pacific, 1869-1944. In: Southern Pacific Railroad Photographic History Museum.

http://www.cpr.org/Museum/SP_1869-1944/.

Wikipedia. 2018. Gilchrist State Forest. https://en.wikipedia.org/wiki/Gilchrist_State_Forest. (28 January 2019).

Economy

Zillow. [N.d.]. La Pine Home Prices & Values. <https://www.zillow.com/la-pine-or/home-values/>. (24 April 2019).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices.

<https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 3 post offices

Libraries

Klamath County Library Service District. 2015. Branch Locations. <https://klamathlibrary.org/branches>. (4 February 2019).

- 2 public libraries (Chemult and Gilchrist)

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Number of paid fire/emergency staff

FireDepartment.net. 2015. Crescent Rural Fire Protection District. <https://www.firedepartment.net/directory/oregon/klamath-county/crescent/crescent-rural-fire-protection-district>. (8 February 2019).

- 4 paid personnel (4 full-time)

FireDepartment.net. 2015. Chemult Rural Fire Protection District. <https://www.firedepartment.net/directory/oregon/klamath-county/chemult/chemult-rural-fire-protection-district>. (8 February 2019).

- 1.5 paid personnel (3 part-time firefighters calculated as equivalent to 1.5 full-time)

Ambulances: number and type (paid or volunteer)

Chemult Rural Fire Protection District. [N.d.]. <http://chemult-rfpd.com/fleet.html>. (20 February 2019).

- 2 ambulances, staffed with volunteer personnel

Crescent Fire District. 2019. Station 1100: Main. <http://crescentrfpd.com/stations-and-apparatus/station-1100>. (20 February 2019).

- 2 ambulances, with paid personnel

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Community center/resources

North Klamath County. 2019. Crescent Community Club. <https://www.northklamathcounty.org/crescent-community-club/>. (8 February 2019).

- 1 community center

Banks

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Wellness centers

La Pine Community Health Center. 2019. <https://www.lapinehealth.org/>. (4 February 2019).

- 1 health center

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.] Airbnb vacation rentals in Gilchrist area, map view. www.airbnb.com. (22 January 2019).

- 19 vacation rental homes

VRBO. [N.d.] VRBO vacation rentals in Gilchrist area, map view. www.vrbo.com. (22 January 2019).

- 16 vacation rental homes

Hotel/motel beds and rooms

Crescent Creek Cottages. 2019. Cottage & RV rates.

<https://www.crescentcreekcottages.com/cottage-rv-rates/>. (22 January 2019).

- 5 units, 11 beds

Crescent Motel. [N.d.] <http://crescent-motel.com/>. (22 January 2019).

- 7 units, 13 beds

Dawson House Lodge. 2019. <https://www.dawsonhouse.net/>. (22 January 2019).

- 9 units, 15 beds

Eagle Crater Lake Inn. [N.d.] <http://www.eaglecraterlakeinn.com/home.html>. (22 January 2019).

- 16 units, 25 beds

Facebook. [N.d.] The Woodsman Country Lodge. <https://www.facebook.com/woodsmanlodge/>. (22 January 2019).

- 15 units, 20 beds

Gilchrist Inn. [N.d.] <http://www.gilchristinn.com/>. (22 January 2019).

- 5 units, 13 beds

Google. [N.d.] Chemult Motel. <https://tinyurl.com/y3php3x8>. (22 January 2019).

- 16 units, 30 beds

Highway West Vacations. 2019. Shelter Cove Resort & Marina.

<https://highwaywestvacations.com/properties/sheltercove>. (22 January 2019).

- 11 units, 31 beds

Hoodoo Crescent Lake Resort. 2011. <http://crescentlakeresort.com/>. (22 January 2019).

- 21 units, 48 beds

Hotels-Oregon.com. 2019. Budget Inn Motel Chemult. <http://budget-inn-motel-97731.hotels-oregon.com/en/>. (22 January 2019).

- 20 units, 30 beds

Odell Lake Lodge & Resort. 2019. Accommodations. <http://www.odelllakeresort.com/accommodations/>. (22 January 2019).

- 20 units, 49 beds

Whispering Pines Motel & Market. [N.d.] <https://www.whisperingpinesmoteloregon.com/>. (22 January 2019).

- 10 units

Willamette Pass Inn. [N.d.] <http://www.willamettepassinn.com/>. (22 January 2019).

- 37 units

Campground capacity

Big Pines RV Park. 2019. Park Map / Rates. <https://www.bigpinesrvpark.com/rates/>. (28 January 2019).

- Big Pines RV Park, 73 sites

Highway West Vacations. 2019. Shelter Cove Resort & Marina. <https://highwaywestvacations.com/properties/sheltercove>. (28 January 2019).

- Shelter Cove Resort & Marina, 74 sites

Odell Lake Lodge & Resort. 2019. Accommodations. <http://www.odelllakeresort.com/accommodations/>. (28 January 2019).

- Odell Lake Lodge & Resort, 30 sites

U.S. Forest Service. [N.d.]. Deschutes NF-Crescent Area Activities.
<https://www.fs.usda.gov/recarea/deschutes/recreation/camping-cabins/recarea/?recid=39042&actid=29>. (28 January 2019).

- Crescent Lake Campground, 28 single, 8 double, 3 yurts
- Contorta Flat Campground, 22 sites
- Contorta Point Group Campground, 2 group sites (total up to 80 people)
- Crescent Creek Campground, 9 sites
- East Davis Lake Campground, 17 single, 3 double
- Princess Creek Campground, 32 sites
- Spring Campground, 69 single, 4 multi, 5 tent, 1 group site
- Sunset Cove Campground, 20 single, 1 double
- Trapper Creek Campground, 26 single, 3 double
- Simax Group Campground, 3 group sites (total up to 110 people)
- Windy Group Campground, 1 group site (up to 42 people)
- Whitefish Horse Camp, 13 single, 5 double

U.S. Forest Service. [N.d.]. Fremont-Winema National Forest – Chemult Ranger District.
<https://www.fs.usda.gov/recarea/fremont-winema/recreation/camping-cabins/recarea/?recid=59675&actid=29>. (28 January 2019).

- Corral Springs Campground, 6 sites
- Digit Point Campground, 65 sites
- Walt Haring Sno-Park/Campground, 10 sites

Restaurants

Yelp. [N.d.]. Restaurants in Gilchrist area, map view. www.yelp.com. (30 January 2019).

- 14 restaurants

High order tourist amenities—

Recreation outfitters and marinas

Highway West Vacations. 2019. Shelter Cove Resort & Marina.
<https://highwaywestvacations.com/properties/sheltercove>. (30 January 2019).

Hoodoo Crescent Lake Resort. 2011. Equipment Rentals.
<http://crescentlakeresort.com/rentals/>. (30 January 2019).

Odell Lake Lodge & Resort. 2019. Accommodations.
<http://www.odelllakeresort.com/accommodations/>. (30 January 2019).

- 3 total (3 marinas)

Golf courses, ski areas, and amusement parks

Mt. Bachelor. [N.d.] <https://www.mtbachelor.com/>. (4 February 2019).

Willamette Pass. 2013. <http://www.willamettepass.com/>. (4 February 2019).

- 2 total (both ski areas)

Music venues, fairgrounds, other resorts

Google Maps. [N.d.] Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Crescent Creek Resort—

Conservation Fund. [N.d.] Gilchrist State Forest.
<https://www.conservationfund.org/projects/gilchrist-state-forest>. (5 April 2019).

Darling, D.J. 2015. Gilchrist State Forest expands.
<https://www.bendbulletin.com/localstate/3713656-151/gilchrist-state-forest-expands>. (5 April 2019).

Deschutes Land Trust. 2015. New state forest was purchased from Fidelity Timber.
<https://www.deschuteslandtrust.org/news/news-items/2010-news-items/oregon-to-dedicate-the-gilchrist-state-forest-on-june-11/>. (5 April 2019).

Herald and News. 2014. Gilchrist State Forest acquisition approved.
https://www.heraldandnews.com/email_blast/gilchrist-state-forest-acquisition-approved/article_263e3ba0-a4ef-11e3-91ce-0019bb2963f4.html. (5 April 2019).

Lang, J. 2009. Mill town Gilchrist pines for resort. Oregonian.
https://www.oregonlive.com/news/2009/05/mill_town_gilchrist_pines_for.html. (3 April 2019).

Source Weekly. 2010. News in briefs: politics, public lands and playhouses. <https://www.bendsource.com/bend/news-in-briefs-politics-public-lands-and-playhouses/Content?oid=2135156>. (5 April 2019).

Stollar, C. 2007. Giant resort on drawing board near tiny Gilchrist. Bend Bulletin. <https://www.bendbulletin.com/news/1509191-151/giant-resort-on-drawing-board-near-tiny-gilchrist>. (5 April 2019).

U.S. Forest Service. 2012. Forest Legacy Project: Gilchrist Forest. <https://www.oregon.gov/ODF/Documents/WorkingForests/ForestLegacyExampleProjectBrief.pdf>. (5 April 2019).

Sewer problems—

Anderson Engineering & Surveying. 2014. Crescent Sanitary District preliminary engineering report for wastewater system improvements. <http://www.crescentsanitarydistrict.org/wp-content/uploads/2015/03/Engineering-Report-DRAFT.pdf>. (22 March 2019).

Crescent Sanitary Board. 2018. Crescent Sanitary District sewer system progress update. <http://www.crescentsanitarydistrict.org/wp-content/uploads/2018/03/Crescent-Sanitary-District-Sewer-System-Project-Update-March-2018.pdf>. (22 March 2019).

Crescent Sanitary District. 2019. CSD ordinance requiring mandatory sewer connection. <https://www.crescentsanitarydistrict.org/ordinance-requiring-mandatory-sewer-connection/>. (22 March 2019).

Oregon Department of Forestry. 2016. Gilchrist – Crescent Sanitary District Staff Report. https://www.oregon.gov/ODF/Board/Documents/BOF/20160608/BOFSR_20160608_5.pdf. (22 March 2019).

Rabe, A. 2015. Crescent Sanitary District wastewater system improvement. <https://olis.leg.state.or.us/liz/2017R1/Downloads/CommitteeMeetingDocument/110931>. (22 March 2019).

Myrtle Point

Geography

Climate—

U.S. Climate Data. [N.d.]. Climate Myrtle Point.

<https://www.usclimatedata.com/climate/myrtle-point/oregon/united-states/usor0564>. (12 April 2019).

History

City of Myrtle Point. [N.d.]. History of Myrtle Point.

<http://www.ci.myrtlepoint.or.us/general/page/history-myrtle-point>. (15 April 2019).

Coquille Indian Tribe. [N.d.]. Our Lands: Through the millennia.

https://www.coquilletribe.org/?page_id=34. (15 April 2019).

Economy

East Fork Lumber Company, Inc. 2019. <http://eastforklumber.com/>. (18 April 2019).

Oregon State University. 2014. Oregon Forest Industry Directory: W&L Lumber LLC.

<https://www.orforestdirectory.com/company/wl-lumber-llc>. (18 April 2019).

Zillow. [N.d.]. Myrtle Point Home Prices & Values. <https://www.zillow.com/myrtle-point-or/home-values/>. (18 December 2018).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 2 post offices

Libraries

Coos County Library Service District. 2018. Our Libraries. <https://www.cooslibraries.org/libraries>. (4 February 2019).

- 2 public libraries (Dora and Myrtle Point)

Public transportation

Coos County Area Transit. 2016. Myrtle Point – Coquille. <http://www.coostransit.org/intercity-connections/myrtle-point-coquille/>. (4 February 2019).

- Yes, public transportation options exist to commute to and from the area

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Number of paid fire/emergency staff

FireDepartment.net. 2015. Myrtle Point Fire Department. <https://www.firedepartment.net/directory/oregon/coos-county/myrtle-point/myrtle-point-fire-department>. (8 February 2019).

- 1 paid personnel (1 full-time)

Ambulances: number and type (paid or volunteer)

City of Myrtle Point. [N.d.]. Myrtle Point ambulance department. <http://www.ci.myrtlepoint.or.us/general/page/myrtle-point-ambulance-department>. (2- February 2019).

- 4 ambulances, with paid personnel

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Heritage museum/society

City of Myrtle Point. [N.d.]. Coos County Logging Museum. <http://www.ci.myrtlepoint.or.us/general/page/coos-county-logging-museum>. (8 February 2019).

- 1 heritage museum

Banks

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Wellness centers

North Bend Medical Center. 2019. Visit one of our locations today! <https://www.nbmchealth.com/locations/>. (4 February 2019).

- 2 medical clinics

Dentists

Advantage Dental. 2018. Practice Locations. <https://www.advantagedental.com/practicelocations.html>. (30 January 2019).

Yelp. [N.d.]. Dentists in Myrtle Point area, map view. www.yelp.com. (30 January 2019).

- 2 dentists (James R Gronemyer DDS; and Advantage Dental)

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.]. Airbnb vacation rentals in Myrtle Point area, map view. www.airbnb.com. (22 January 2019).

- 1 vacation rental home

VRBO. [N.d.]. VRBO vacation rentals in Myrtle Point area, map view. www.vrbo.com. (22 January 2019).

- 1 vacation rental home

Hotel/motel beds and rooms

Myrtle Trees Motel. 2018. https://myrtletreesmotel.com/Myrtle_Trees_Motel/Home.html. (22 January 2019).

- 28 units, approximately 42 beds

Campground capacity

Remote Outpost RV Park and Cabins. 2018. Services. <http://www.remoteoutpostrv.com/Services.html>. (28 January 2019).

- Remote Outpost, 28 sites total (25 RV sites, 3 cabins)

Restaurants

Yelp. [N.d.]. Restaurants in Myrtle Point area, map view. www.yelp.com. (30 January 2019).

- 7 restaurants

High order tourist amenities—

Music venues, fairgrounds, other resorts

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Dairy farming—

City of Myrtle Point. [N.d.]. History of Myrtle Point.

<https://www.ci.myrtlepoint.or.us/general/page/history-myrtle-point>. (13 May 2019).

Garvin, E. 2014. Face Rock Creamery. Travel Oregon. <https://traveloregon.com/things-to-do/eat-drink/artisan-producers/the-face-rock-creamery/>. (13 May 2019).

Manta Media. [N.d.]. Dairy farms in Myrtle Point, Oregon.

https://www.manta.com/mb_54_C00F1_HE7/dairy_farms/myrtle_point_or. (13 May 2019).

Osborn, R. 2002. From moo to market: Northwest dairy product retailers tour organic farms.

https://theworldlink.com/from-moo-to-market-northwest-dairy-product-retailers-tour-organic/article_b7bcb3b6-553b-5cf1-99b4-3d63419426ee.html. (13 May 2019).

The World. 2014. Sinko dairy receives organic pioneer award.

https://theworldlink.com/news/local/business/sinko-dairy-receives-organic-pioneer-award/article_2af7c256-c1aa-11e3-9572-001a4bcf887a.html. (13 May 2019).

Riddle

History

Cow Creek Band of Umpqua Tribe of Indians. 2017. Tribal Story.

<https://www.cowcreek.com/tribal-story/>. (24 January 2019).

Douglas County Historic Resource Inventory. 1982. Oregon Inventory of Historic Properties: Historic Resource Survey Form, Silver Peak Mine.

<http://www.co.douglas.or.us/planning/hrrc/regions/pdfs/SilverPeakMine.pdf>. (24 January 2019).

Riddle Oregon. 2019. History of Riddle, Oregon. <https://riddleoregon.com/history-of-riddle-oregon/>. (24 January 2019).

Wikipedia. 2018. Cow Creek Band of Umpqua Tribe of Indians.
https://en.wikipedia.org/wiki/Cow_Creek_Band_of_Umpqua_Tribe_of_Indians. (24 January 2019).

Economy

Billboard Lumber Company. [N.d.]. <http://billboardlumberproducts.com/index.html>. (24 January 2019).

C&D Lumber Co. 2019. Products. <http://www.cdLumber.com/Products>. (24 January 2019).

D.R. Johnson Lumber. 2019. <http://www.drjlumber.com/drjohnson/>. (24 January 2019).

Green Diamond Performance Materials. [N.d.]. <https://www.greendiamondpm.com/>. (24 January 2019).

Herbert Lumber Company. 2019. <http://www.herbertlumber.com/>. (24 January 2019).

Oregon Health Authority. [N.d.] Environmental Health Assessment: Formosa Mine.
<https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/TRACKINGASSESSMENT/ENVIRONMENTALHEALTHASSESSMENT/Pages/fmsite.aspx>. (24 January 2019).

U.S. Environmental Protection Agency. 2018. Superfund Site: Formosa Mine, Riddle, OR.
<https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=1002616>. (24 January 2019).

Wikipedia. 2018. Seven Feathers Casino Resort.
https://en.wikipedia.org/wiki/Seven_Feathers_Casino_Resort. (9 April 2019).

Zillow. [N.d.] Riddle Home Prices & Values. <https://www.zillow.com/riddle-or/home-values/>. (18 December 2018).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 1 post office

Libraries

Riddle City Library. [N.d.]. <http://riddlelibrary.org/>. (4 February 2019).

- 1 public library

Public transportation

Douglas County. 2018. Douglas Rides: Community transportation in Douglas County. <http://www.douglasrides.org/>. (4 February 2019).

- Yes, public transportation options exist to commute to and from the area

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Community center/resources

Facebook. [N.d.]. Riddle Community Center. <https://www.facebook.com/pages/Riddle-Community-Center/470084033042886>. (8 February 2019).

- 1 community center

Banks

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Dentists

Yelp. [N.d.]. Dentists in Riddle area, map view. www.yelp.com. (30 January 2019).

- 1 dentist (Smiles Dental)

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.]. Airbnb vacation rentals in Riddle area, map view. www.airbnb.com. (22 January 2019).

- 2 vacation rental homes

VRBO. [N.d.]. VRBO vacation rentals in Riddle area, map view. www.vrbo.com. (22 January 2019).

- 1 vacation rental home

Restaurants

Yelp. [N.d.]. Restaurants in Riddle area, map view. www.yelp.com. (30 January 2019).

- 2 restaurants

High order tourist amenities—

Music venues, fairgrounds, other resorts

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Green Diamond Performance Materials—

Business Wire. 2017. MSI Capital Partners invests in Green Diamond Sand Products. <https://www.businesswire.com/news/home/20170925005202/en/MSI-Capital-Partners-Invests-Green-Diamond-Sand>. (16 May 2019).

Green Diamond Performance Materials. [N.d.]. The Green Diamond story. <https://www.greendiamondpm.com/history>. (16 May 2019).

The Oregonian. 2012. Green Diamond Sand, with a plant in Clackamas, expanding its product line, workforce and sales. https://www.oregonlive.com/gresham/2012/06/green_diamond_sand_which_has_p.html. (16 May 2019).

Seven Feathers Casino Resort—

Cow Creek Band of Umpqua Tribe of Indians. 2017. Tribal story: economic impact. <https://www.cowcreek.com/tribal-story/economic-impact/>. (16 May 2019).

KPIC News Staff. 2015. Seven Feathers laying off 93 employees. <https://kpic.com/news/local/seven-feathers-laying-off-93-employees>. (16 May 2019).

Indianz. 2018. Tribes remain at odds over new gaming developments in Oregon. <https://www.indianz.com/IndianGaming/2018/12/05/tribes-remain-at-odds-over-new-gaming-de.asp>. (16 May 2019).

Mann, D. 2019. Casino face-off. Mail Tribune. <https://mailtribune.com/news/top-stories/cow-creek-tribe-blasts-medford-oregon-casino>. (16 May 2019).

Seven Feathers Casino Resort. 2019. About us. <https://www.sevenfeathers.com/about-us/>. (16 May 2019).

Formosa Mine Superfund Site—

Oregon Health Authority. [N.d.] Environmental Health Assessment: Formosa Mine. <https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/TRACKINGASSESSMENT/ENVIRONMENTALHEALTHASSESSMENT/Pages/fmsite.aspx>. (24 January 2019).

U.S. Environmental Protection Agency. 2018. Superfund Site: Formosa Mine, Riddle, OR. <https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=1002616>. (24 January 2019).

Happy Camp

Geography

Middleton, B.R.; Kusel, J. 2007. Northwest Economic Adjustment Initiative assessment: Lessons learned for American Indian community and economic development. *Economic Development Quarterly*. 21(2): 165-178. <https://journals.sagepub.com/doi/pdf/10.1177/0891242406298136>. (28 February 2019).

PacifiCorp. 2004. E9.0 Socioeconomic Resources. In: Klamath Hydroelectric Project Exhibit E. https://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensing/Klamath_River/Exhibit_E_Socioeconomics.pdf. (28 February 2019).

Stercho, A. 2006. The importance of place-based fisheries to the Karuk tribe of California: a socioeconomic study. http://humboldt-dspace.calstate.edu/bitstream/handle/2148/87/STERCHO_FINAL_PROJECT.pdf?sequence=1. (28 February 2019).

History

Karuk Tribe. [N.d.]. Karuk Tribe official website. <http://www.karuk.us/>. (21 November 2018).

U.S. Forest Service. [N.d.]. Klamath National Forest, History & Culture. <https://www.fs.usda.gov/main/klamath/learning/history-culture>. (21 November 2018).

Economy

Wilderness Connect. [N.d.]. Siskiyou Wilderness. <https://www.wilderness.net/NWPS/wildView?WID=557>. (21 November 2018).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 1 post office

Libraries

County of Siskiyou, California. [N.d.]. Library Branch Schedule. <https://www.co.siskiyou.ca.us/library/page/branch-schedule>. (4 February 2019).

- 1 public library

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Ambulances: number and type (paid or volunteer)

Happy Camp Ambulance. [N.d.]. Happy Camp volunteer ambulance service. <http://www.happycampambulance.com/>. (20 February 2019).

- 3 ambulance, with volunteer personnel only

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Community center/resources

Happy Camp Community Center. 2016. <http://www.happycampcc.org/>. (8 February 2019).

- 1 community center

Banks

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Wellness centers

Karuk Tribe. 2015. Karuk Tribe clinic locations and staff. <http://www.karuk.us/index.php/departments/health-program/165-category-clinic-locations>. (4 February 2019).

- 1 health clinic

Dentists

Yelp. [N.d.]. Dentists in Happy Camp area, map view. www.yelp.com. (30 January 2019).

- 2 dentists (Happy Camp Dental Clinic; and Ives Harold N Dr Dentist)

Low order tourist amenities—

Count of vacation rental homes

VRBO. [N.d.]. VRBO vacation rentals in Happy Camp area, map view. www.vrbo.com. (22 January 2019).

- 1 vacation rental home

Hotel/motel beds and rooms

Big Foot RV Park & Cabins. [N.d.]. Accommodations. <http://www.bigfootrvpark.com/accomodations.html>. (28 January 2019).

- 4 units, 7 beds

Elk Creek Campground. [N.d.]. Cabins. <http://www.elkcreekcampground.com/cabins.html>. (28 January 2019).

- 3 units, 4 beds

Klamath River Resort Inn. 2018. Accommodations. <https://klamathriverresortinn.com/accommodations>. (28 January 2019).

- 7 units, 12 beds

Trip Advisor. [N.d.]. Forest Lodge Motel. https://www.tripadvisor.com/Hotel_Review-g32472-d271299-Reviews-Forest_Lodge_Motel-Happy_Camp_California.html. (28 January 2019).

- 15 units, 25 beds

Campground capacity

Big Foot RV Park & Cabins. [N.d.]. Reservations & Rates. http://www.bigfootrvpark.com/reservations_rates.html. (28 January 2019).

- Big Foot RV Park, 22 sites

U.S. Forest Service. [N.d.]. Happy Camp / Oak Knoll Ranger District. <https://www.fs.usda.gov/recarea/klamath/recreation/camping-cabins/recarea/?recid=13054&actid=29>. (30 January 2019).

- Curly Jack Campground, 16 single, 3 group sites (30 people each)
- West Branch Campground, 12 sites
- Sulphur Springs Campground, 4 sites
- Norcross Campground, 4 sites

Restaurants

Yelp. [N.d.]. Restaurants in Happy Camp area, map view. www.yelp.com. (30 January 2019).

- 4 restaurants

High order tourist amenities—

Music venues, fairgrounds, other resorts

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Karuk Tribe—

Karuk Tribe. 2015. <http://www.karuk.us/index.php>. (16 May 2019).

Travois. 2018. Karuk Tribe Housing Authority opens Happy Camp Wellness Center. <https://travois.com/karuk-tribe-housing-authority-opens-happy-camp-wellness-center/>. (16 May 2019).

Wikipedia. 2019. Karuk Tribe. https://en.wikipedia.org/wiki/Karuk_Tribe. (16 May 2019).

Marijuana—

Anaise, T. 2017. Bigfoot, bullets and bud: my insane Humboldt County weed harvest. Salon. <https://www.salon.com/2017/11/25/bigfoot-bullets-and-bud-i-went-to-work-on-a-marijuana-farm/>. (16 May 2019).

Daniels, J. 2019. California wages war against illegal weed farms; Gov. Newsom wants Trump to pay some costs. CNBC. <https://www.cnbc.com/2019/04/03/california-wages-war-against-illegal-marijuana-farms-retailers.html>. (16 May 2019).

Magagnini, S. 2017. Marijuana and Hmong farmers: Siskiyou County sheriff fights to control cannabis trade. Sacramento Bee. <https://www.sacbee.com/news/local/article191166434.html>. (16 May 2019).

Schroyer, J. 2019a. California governor to send National Guard to combat illegal marijuana grows. Marijuana Business Daily. <https://mjbizdaily.com/national-guard-will-combat-californias-illegal-marijuana-grows/>. (16 May 2019).

Schroyer, J. 2019b. California's use of National Guard to target illegal marijuana grows fuels questions, concerns over potential marijuana industry fallout. Marijuana Business Daily. <https://mjbizdaily.com/california-national-guard-to-target-illegal-marijuana-grows-fuels-questions-concerns-about-potential-mj-industry-fallout/>. (16 May 2019).

Shulman, A. 2017. Legal weed in Siskiyou: a county at odds. Record Searchlight. <https://www.redding.com/story/news/politics/2017/07/30/legal-weed-siskiyou-county-odds/500264001/>. (16 May 2019).

St. John, P. 2017. Hmong pot growers in Siskiyou County seeking identity, profit – or both. Los Angeles Times. <https://www.latimes.com/local/california/la-me-hmong-marijuana-siskiyou-20170910-htmstory.html>. (16 May 2019).

Weaverville

History

Rare Gold Nuggets. 2016. Weaverville, California: Gold miners rush to the Trinity Alps. <http://raregoldnuggets.com/?p=3309>. (7 January 2019).

Trinity County Resource Conservation District. 2018. Weaverville Community Forest: Background. <https://www.tcrd.net/wcf/background.htm>. (10 June 2019).

Trinity County Resource Conservation District. [N.d.]. The search for gold: Weaverville, Cal. https://www.tcrd.net/wcf/pdf/Search_for_Gold_in_Weaverville.pdf. (10 June 2019).

Economy

Cousins, A.; O’Sullivan, C.; Frost, P. 2015. Weaverville Community Forest, California, United States of America. In: Siry, J.P.; Bettinger, P.; Merry, K.; Grebner, D.L.; Boston, K.; Cieszewski, C., eds. Forest plans of North America. Amsterdam: Academic Press: 245-253. Chapter 28.

Trinity County. 2018. Commercial Cannabis. <https://www.trinitycounty.org/Commercial-Cannabis>. (8 January 2019).

Trinity River Lumber Company. 2019. About. <http://www.trinityriverlumbercompany.com/about/>. (8 April 2019).

Zillow. [N.d.]. Weaverville Home Prices & Values. <https://www.zillow.com/weaverville-ca/home-values/>. (9 April 2019).

Services and Amenities

Low order services—

Gas station

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Post offices

U.S. Postal Service. [N.d.]. USPS Find Locations: Post Offices. <https://tools.usps.com/go/POLocatorAction.action>. (4 February 2019).

- 1 post office

Libraries

Trinity County. 2018. Library. <https://www.trinitycounty.org/Library>. (4 February 2019).

- 1 public library

Public transportation

Trinity Transit. 2018. <http://trinitytransit.org/>. (4 February 2019).

- Yes, public transportation options exist to commute to and from the area

Supermarkets and grocery stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Number of paid fire/emergency staff

FireDepartment.net. 2015. Weaverville Fire Department.

<https://www.firedepartment.net/directory/california/trinity-county/weaverville/weaverville-fire-department>. (8 February 2019).

- 1 paid personnel (1 full-time)

Ambulances: number and type (paid or volunteer)

Trinity County Life Support. 2018. <http://tcls.org/index.php>. (20 February 2019).

- 3 ambulances, with paid personnel

Hardware/auto parts stores

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Pharmacies

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

High order services—

Community center/resources

Golden Age Center. [N.d.]. Welcome to the Golden Age Center, Inc.

https://www.goldenagecenter.org/Welcome_to_GAC.html. (8 February 2019).

- 1 community center

Heritage museum/society

Trinity Museum. 2019. The Trinity County Historical Society's Jake Jackson Memorial Museum. <http://www.trinitymuseum.org/>. (8 February 2019).

- 1 heritage museum/society

Banks

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Insurance branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Real estate branch

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Hospitals

Mountain Communities Healthcare District. [N.d.]. <http://www.mcmedical.org/>. (4 February 2019).

- 1 hospital (Trinity Hospital)

Wellness centers

Mountain Communities Healthcare District. [N.d.]. <http://www.mcmedical.org/>. (4 February 2019).

- 1 health clinic (Trinity Community Health Clinic)

Dentists

Yelp. [N.d.]. Dentists in Weaverville area, map view. www.yelp.com. (30 January 2019).

- 4 dentists (Carlin Fred R. Jr. DDS; Brookshier Rockne DDS; Schalo and Bigelow Orthodontics; and Davis Robert J Wvvl)

Low order tourist amenities—

Count of vacation rental homes

Airbnb. [N.d.]. Airbnb vacation rentals in Weaverville area, map view. www.airbnb.com. (22 January 2019).

- 3 vacation rental homes

VRBO. [N.d.]. VRBO vacation rentals in Weaverville area, map view. www.vrbo.com. (22 January 2019).

- 3 vacation rental homes

Hotel/motel beds and rooms

49er Gold Country Inn. 2010. Amenities. <http://www.goldcountryinn.com/amenities.html>. (28 January 2019).

- 54 units, 209 beds

Trinity Alps Resort. [N.d.]. <http://www.trinityalpsresort.com/>. (28 January 2019).

- 25 units, 37 beds

Trip Advisor. [N.d.]. Motel Trinity. https://www.tripadvisor.com/Hotel_Review-g33244-d658038-Reviews-Motel_Trinity-Weaverville_California.html. (28 January 2019).

- 25 units, bed count uncertain

Trip Advisor. [N.d.]. Pinewood Cove Resort. https://www.tripadvisor.com/Hotel_Review-g33189-d1645514-Reviews-Pinewood_Cove_Resort-Trinity_Center_California.html. (28 January 2019).

- 15 units, bed count uncertain

Trip Advisor. [N.d.]. Red Hill Motel. https://www.tripadvisor.com/Hotel_Review-g33244-d113828-Reviews-Red_Hill_Motel-Weaverville_California.html. (28 January 2019).

- 24 units, bed count uncertain

Trip Advisor. [N.d.] Trinity Lake Resorts & Marinas.
https://www.tripadvisor.com/Hotel_Review-g33189-d1812145-Reviews-Trinity_Lake_Resorts_Marinas-Trinity_Center_California.html. (28 January 2019).

- 11 units, bed count uncertain

Weaverville Hotel. [N.d.] Rooms. https://www.weavervillehotel.com/weaverville_rooms.html. (28 January 2019).

- 7 units, 9 beds

Whitmore Inn. [N.d.] Rooms. <http://www.weavervillewhitmoreinn.com/roomdiscriptions.html>. (28 January 2019).

- 5 units, 6 beds

Campground capacity

Pinewood Cove. 2019. RV Park & Campground. <http://www.pinewoodcove.com/pinewood-rv>. (28 January 2019).

- Pinewood Cove, 72 sites

Trip Advisor. [N.d.] Sidney Gulch RV Park. https://www.tripadvisor.com/Hotel_Review-g33244-d3807255-Reviews-Sidney_Gulch_RV_Park-Weaverville_California.html. (28 January 2019).

- Sidney Gulch RV Park, 40 sites

U.S. Forest Service. [N.d.] Trinity Unit – National Recreation Area.
<https://www.fs.usda.gov/recarea/stnf/recreation/camping-cabins/recarea/?recid=6472&actid=29>. (28 January 2019).

- Rush Creek Campground, 10 sites
- Stoney Point Campground, 21 sites
- Fawn Group Campground, 19 sites (total up to 300 people)
- Stoney Creek Group Campground, 1 group site (total up to 50 people)
- Tannery Gulch Campground, 82 sites
- Bridge Camp Campground, 10 sites
- East Weaver Group Campground, 11 sites

Restaurants

Yelp. [N.d.]. Restaurants in Weaverville area, map view. www.yelp.com. (18 January 2019).

- 18 restaurants

High order tourist amenities—

Recreation outfitters and marinas

Trinity Lake Resorts & Marina. 2018. <https://trinitylakeresort.com/>. (30 January 2019).

Yelp.com. [N.d.]. Trinity Outdoors. <https://www.yelp.com/biz/trinity-outdoors-weaverville?osq=Outdoor+Gear>. (30 January 2019).

- 2 total (1 marina, 1 recreation outfitter)

Golf courses, ski areas, and amusement parks

Trinity Alps Golf Restaurant & Lounge. [N.d.]. <https://www.trinityalpsgolfclub.com/>. (4 February 2019).

- 1 total (1 golf course)

Music venues, fairgrounds, other resorts

Google Maps. [N.d.]. Google Maps. <https://www.google.com/maps/>. (27 May 2019).

Community Assets, Barriers, and Other Current Issues

Marijuana industry—

Johnston, A. 2017. Legal or not, cannabis takes a toll on Northern California watersheds. KALW. <https://www.kalw.org/post/legal-or-not-cannabis-takes-toll-northern-california-watersheds#stream/0>. (16 May 2019).

McDaniel, P. 2016. High times: the hidden poverty in marijuana’s black market. Capital & Main. <https://capitalandmain.com/high-times-the-hidden-poverty-in-marijuanas-black-market-0829>. (16 May 2019).

McDaniel, P. 2018. Inside a black market community struggling to survive legalization. Herb. <https://herb.co/learn/trinity-county-hayfork-black-market/>. (16 May 2019).

Oregon (Statewide)

Community Assets, Barriers, and Other Current Issues

Gas station regulations—

Gmur, J.F. 1992. Regulation of underground storage tanks: a farmer and his money are soon parted. In: San Joaquin Agricultural Law Review. 2(1): 53-66. <https://www.sjcl.edu/images/stories/sjalr/volumes/V02N1C2.pdf>. (5 April 2019).

Oregon Department of Environmental Quality. 2018a. Tankline Bulletin. <https://www.oregon.gov/deq/FilterDocs/Tanklinebulletin2018.pdf>. (5 April 2019).

Oregon Department of Environmental Quality. 2018b. Underground storage tank public record general program information for FFY 2018. <https://www.oregon.gov/deq/FilterDocs/USTPublicRecord.pdf>. (5 April 2019).

U.S. Environmental Protection Agency. 1995. Musts for USTs: a summary of federal regulations for underground storage tank systems. https://www.t2center.uconn.edu/pdfs/UST_regs_510-K-05-002_musts.pdf. (5 April 2019).

U.S. Environmental Protection Agency. 2019a. 1988 underground storage tanks; technical requirements; final rule and underground storage tanks containing petroleum – financial responsibility requirements and state program approval objective; final rule. <https://www.epa.gov/ust/1988-underground-storage-tanks-technical-requirements-final-rule-and-underground-storage-tanks>. (5 April 2019).

U.S. Environmental Protection Agency. 2019b. Revising underground storage tank regulation – revisions to existing requirements and new requirements for secondary containment and operator training; final rule. <https://www.epa.gov/ust/revising-underground-storage-tank-regulation-revisions-existing-requirements-and-new>. (5 April 2019).

U.S. Environmental Protection Agency. 2019c. State underground storage tank (UST) programs. <https://www.epa.gov/ust/state-underground-storage-tank-ust-programs>. (5 April 2019).

School Enrollment Data (California, Oregon, Washington)

California Department of Education. [N.d.]. DataQuest. <https://dq.cde.ca.gov/dataquest/>. (1 August 2018).

Office of Superintendent of Public Instruction. [N.d.]. Washington State report card. <http://reportcard.ospi.k12.wa.us/summary.aspx?groupLevel=District&schoolId=1&reportLevel=State&yrs=2000-01&year=2000-01>. (1 August 2018).

Oregon Department of Education. [N.d.]. Report Cards: at-a-glance school and district profiles. <https://www.ode.state.or.us/data/reportcard/reports.aspx>. (1 August 2018).

Oregon Department of Education. [N.d.]. Reports & data: archived reports. <https://www.oregon.gov/ode/reports-and-data/Pages/Archived-Reports.aspx>. (1 August 2018).

Oregon Department of Education. [N.d.]. Reports & data: student enrollment reports. <https://www.oregon.gov/ode/reports-and-data/students/Pages/Student-Enrollment-Reports.aspx>. (1 August 2018).