

Sequim Broadband Action Team

Meeting Notes

Thursday, 12/12, 5:00 to 6:00 PM

Burkett Community Room, Sequim Civic Center, 152 W. Cedar Street

Notes from June meeting in green

Notes from July meeting in blue

Notes from September meeting in red

Notes from December meeting in purple

1) Introductions

2) Develop Strategic Direction

a. Why do we care about broadband?

It is important for school students and commerce. Having good connectivity for software development, remote workers, etc. It is helpful for commerce in general. It is transformative in the way that people do business and education. So many devices are dependent upon being connected to broadband. One could consider it a national security issue – system updates are critical and poor connectivity makes it less likely people will do updates. Real estate without access has a lower market value. There is no cable in certain neighborhoods. The phones and televisions are internet connected. There is little available here over the airwaves. There is a sense of fairness and equity for all citizens to have access. It is good for tourism. So many internet services are streaming services now – you need a good connection to receive them. Not caring about it means the economy will suffer and disappear. The internet of things – interconnected devices, including cameras, cars, etc.

b. What data questions do we have? – Bob Lake will help us collect this data. 2010 Lake's source is the Clallam County RPMasterFile

Census data could be used – by census blocks.

How many households in Sequim? 2010 census - 3,340

How many households in greater Sequim?

3,135 Sequim City Residences in 2018

Manufacturing 6

Transport 66

Trade 131

Services 219

Cultural 22

Resource 38

Undeveloped 1,022

There are 23,000 parcels in the Sequim School District.

Residences 14,668 in Sequim School District 2018

Manufacturing 18

Transport 246

Trade 178

Services 346

Cultural 153

Resource 1,820

Undeveloped 4,976

Bob will break it down by businesses vs. residential (see above).

How many customers does Wave serve in Sequim? Michael from Wave Cable will assist with some of this data.

How many customers does Wave serve in greater Sequim? Michael from Wave Cable will assist with some of this data.

How many customers do the other ISPs serve? There might be a way to look at PUD fiber by ISP. NoaNet could provide more insight.

How many businesses are underserved? This could be a part of a business blitz. It could also be survey. Is it adequate?

Follow-up discussion with new information. Make use of American Community Survey data from Colleen. Also follow-up with the FCC.

Satellite service is something to monitor for the future.

List of Potential sources for data:

City of Sequim – we can share information on business licenses in the City of Sequim. Desired data is number of businesses, NAICS code, revenue by code, contact information, level of service need and how does it vary by code?, how about home based businesses? City staff are looking into how data might be able to be shared.

Future data from the Center for Inclusive Entrepreneurship (CIE) will be helpful.

How about Clallam County? Can we get it from the State? The County cannot get this data right now.

How do we reach people who aren't on the "radar"? Remote workers working for a business elsewhere. Larger industry headquartered elsewhere. We need to bring this up with the consultant on the CERB Planning Grant.

PUD 31,310 meters (CL200 amp service for residential electricity). Some of these places are very remote. The meters are probably 80 to 85% of the total household count. The census is a better count for households.

Sunland & other water districts, local utility districts (LUDs) would be helpful contacts (structure used to finance broadband) We need to develop a contact list. We could ask if they have service as a district and who the provider(s) are. People report underservice in some of these outlying areas. It would be good to give them a voice. These partners also have mailing lists and could be good partners for a future survey.

It would be good to talk with other districts about how they set up their LUDs (ex. Kitsap). Perhaps we could invite Kitsap to a future meeting. ESSB 6034 – water, sewer, and wholesale telecom in a county with an area less than 500 square miles – only Kitsap qualifies for the type of assistance they have been providing to LUDs. This is a good topic for the consultant. Michael with Wave will reach out to Sunland.

Murray's Disposal – who is paying online? That could be a way to find out some information about tech savvyness of residents. The City of Sequim will follow-up on this one.

ISPs Wave, Olypen, Nikola, etc. – yes, bringing these folks to the table

Sequim Chamber of Commerce – survey partner, focus group partner, could help us with a broadband workshop to enhance business access and understanding

Workshop with residents and ISPs to talk about costs and tools to get service – PUD potentially as wholesale provider to LUDs (last mile)

Community foundations to help with LUDs and anything else they want to fund

Community oriented banks

Kitsap contact on LUDs David will take this on. Angela Benning is the contact.

Real estate data would be helpful - City of Sequim will follow-up.

For the broadband study – what are the regulatory barriers? Getting a handle on the overall situation is important. Looking at pilot projects as a potential outcome, with some evaluation of them after the fact. Stick with the FCC standard for bandwidth (it is for residential service). Cost (of service) is a critical factor as well. What about the different needs of business vs. residential vs. remote working? What about service levels?

Kitsap – the cost was \$10-\$14,000 per house from their LUD. It is paid through the County over time. Kitsap has done 8 or 9 LUDs and has some special powers.

Mason PUD – neighborhoods ask for the survey. If interested, they have a \$25 fee per month on their ISP bill for 12 years if they receive service. It comes to \$3,600 over time. Why does Mason PUD have a lower cost?

Clallam PUD – we don't have the demand for fiber to justify a trencher like they have at Mason PUD.

There is spectrum becoming available from old analog channels that are going away (tv).

Kitsap's exemption is because they don't provide electric service. There might be an opportunity to do something different with changes to state law. You can possibly petition the PUD for retail service if you cannot get adequate service as a residence. There is an interesting conversation we could explore at a future meeting, especially as we have more data.

There is a service divide between residential and commercial (commercial gets better service).

We need a clear view into the rate structure for various retailers. We at least need to know what the barrier are located.

Jamestown Networks can provide retail service to commercial, but not residential.

c. What are our priorities and goals?

With the problem defined then ask these questions:

- Is this a project worth pursuing? Yes, so far.
 - **What is underserved? Can you quantitatively determine what people would be willing to pay and what they want? How much are you willing to pay for better service? Remind people of what they are missing – potential Polco survey**
 - Limiting what we can do in the future would be unfortunate. Hopefully we can choose options that don't limit the future.
 - **City and county standards for development need to encourage broadband. Do we require development to tell us more about the service they will receive? Putting conduit, even empty, in the ground is a good move.** Look at Howard Street expansion in Port Townsend. Michael from Wave will follow-up on this with a contact.
- Will the ISPs share their projections for serving additional households? Conversation to have. Nikola is slowly growing and busy. Wave is busy as well. They installed 7 miles of fiber per month in 2018 (statewide with about 90% of that was east of Seattle). CresComm grew 29% last year (services west of PA).
- Where are specific pockets of underserved / unserved households? Analysis to conduct – strategy needed.

3) Update on CERB Planning Grant

The Countywide CERB Broadband Planning Grant is receiving funding. A consultant will be on board early next year. City staff reported on the City Council's recent approval of the broadband interlocal agreement that allows Sequim to participate in the study. City

staff also provided an update regarding the request for proposals for a consultant, the pending selection of a consultant, and what will be included in the study. The Broadband Action Team provided additional input that can be incorporated to make sure that Sequim's needs are met.

4) Define Next Steps

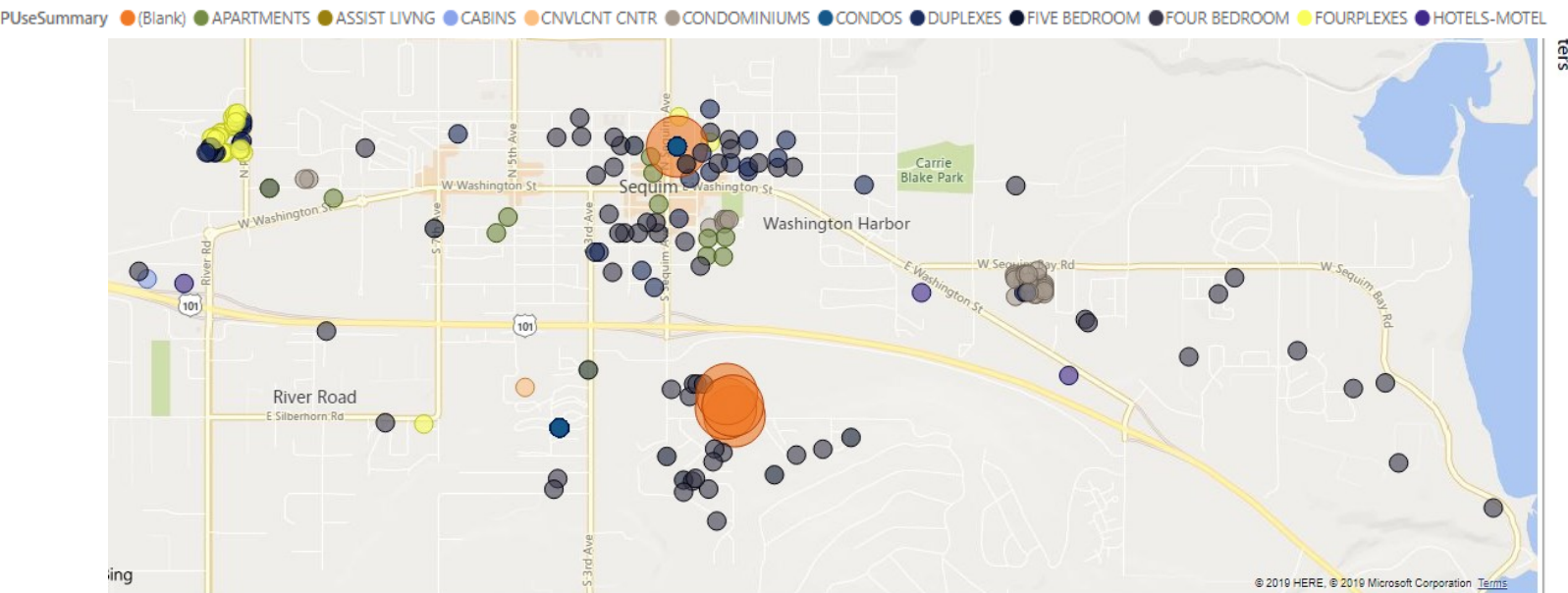
- Review scope of work for CERB Planning Grant and discuss gaps we still want to address (Skype or phone option)
- Invite Mason PUD, Kitsap PUD, Councilor from Shelton

5) Set Next Meeting Time/Date

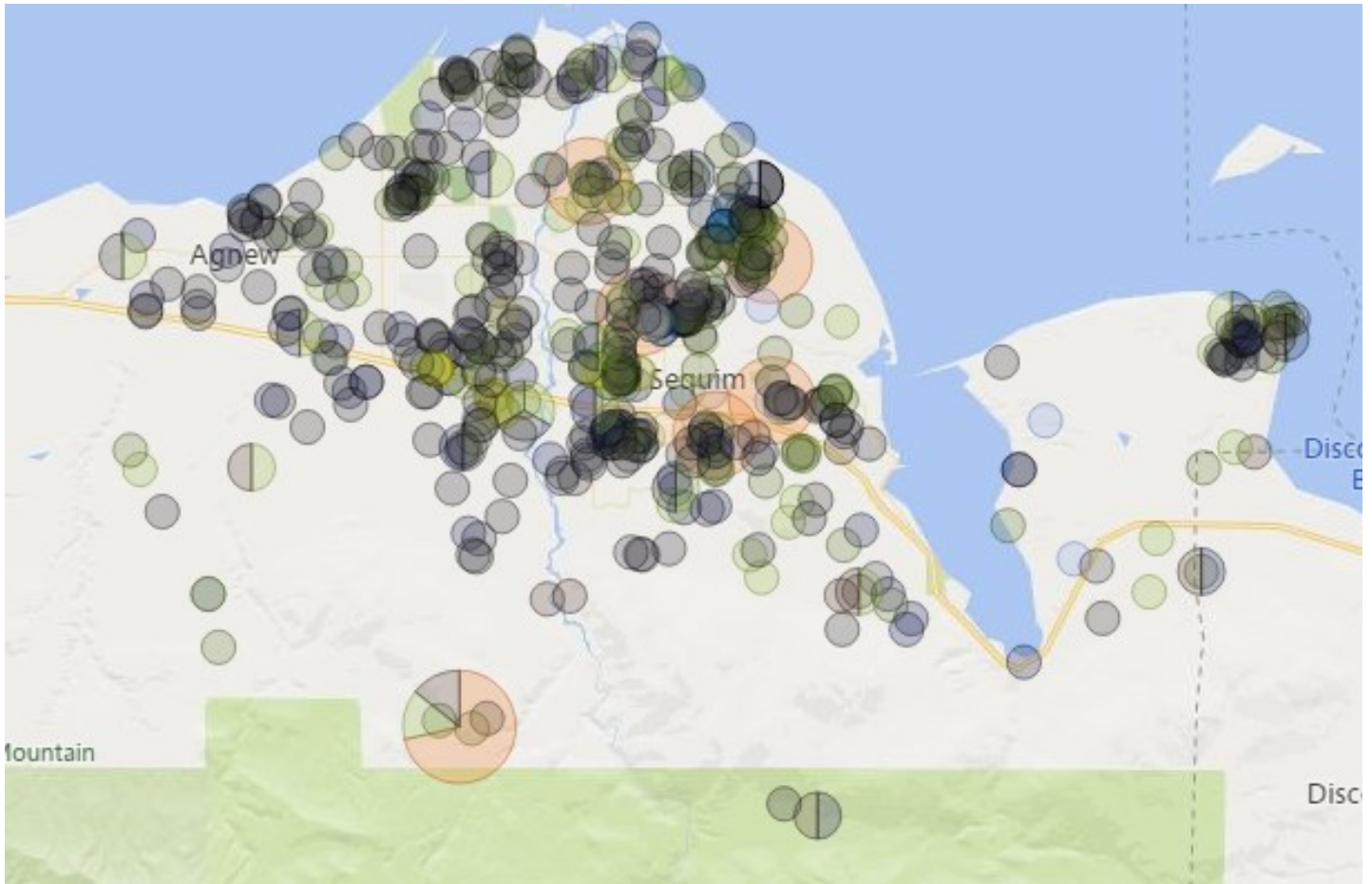
- Next meeting is Thursday, November 14th at 5:00 PM at the Sequim Civic Center. This meeting was moved to December 12 at 5:00 PM. The next meeting is scheduled for February 20 from 5-6 PM at the Sequim Civic Center

From Lake- same source as above

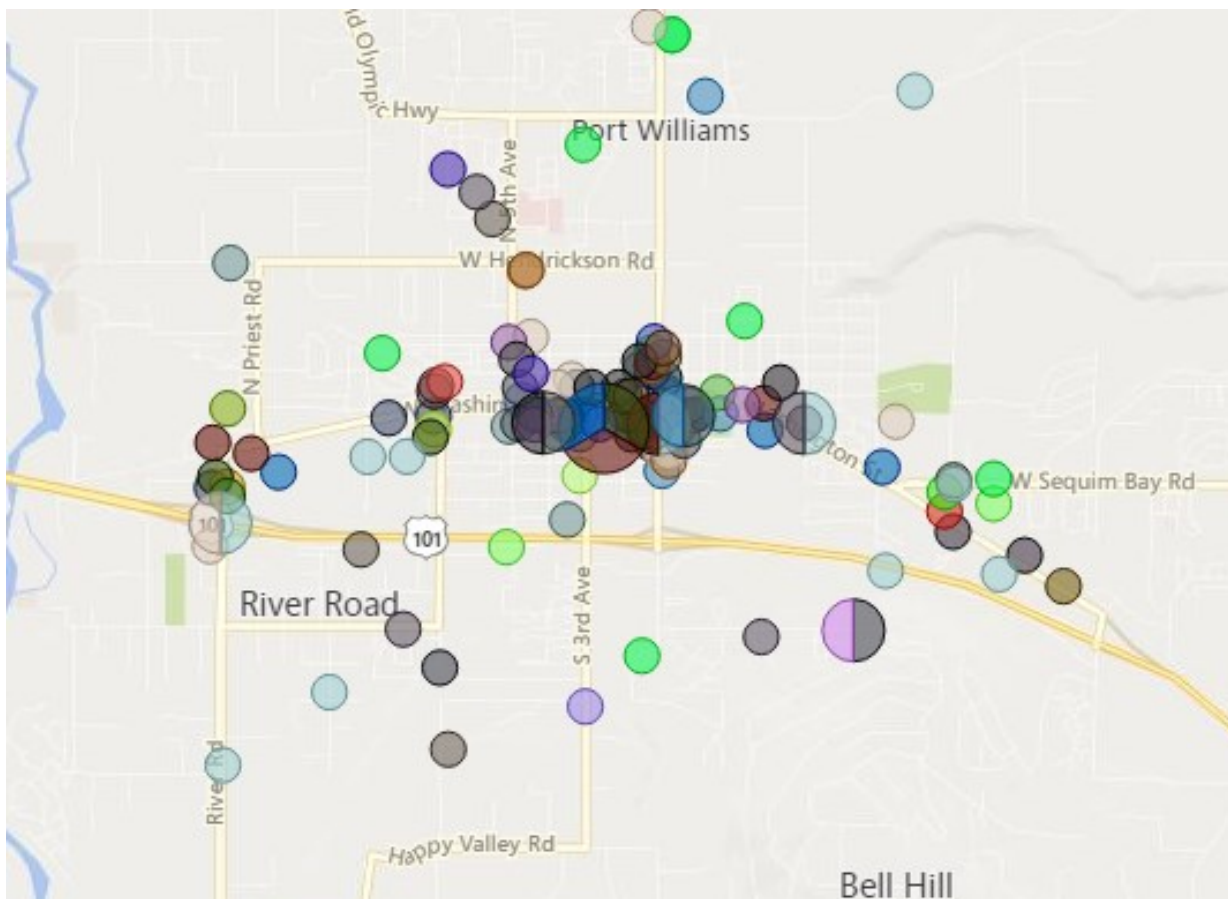
Heat Map Sequim Residential, size = Number, color is type of Use



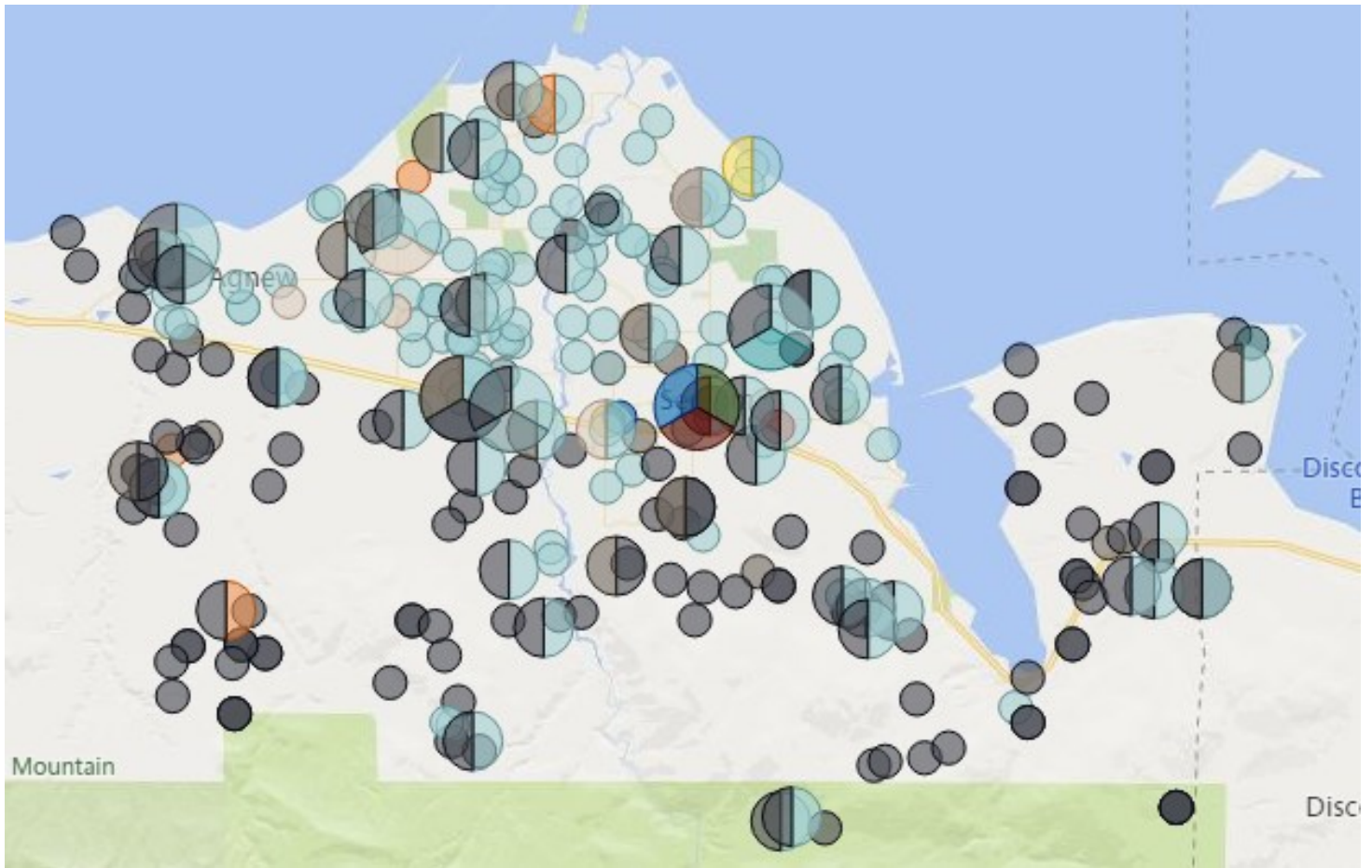
Sequim School District Residential



Sequim City Businesses
Codes Without Residence and without Undeveloped



Sequim School District Businesses - same exclusions as above



Sequim by Use Details

TCA1	SEQ
Sequim	
Row Labels	Sum of Count of ID
1 RESIDENTIAL	3,134
11 Household, single family units	2,494
	6
1100 RES-SINGLE	12
1110 SINGLE FAM	2
1111 ONE BEDROOM	32
1112 TWO BEDROOM	543
1113 THREE BEDRM	1,199
1114 FOUR BEDROOM	111
1115 FIVE BEDROOM	12
1116 SIX BEDROOM	6
1117 OVER SIX	1
1150 MH(REAL)	76
1151 MH-PERSONAL	494
12 Household, 2-4 units	113
1200 RES-DUP-FOUR	12
1220 DUPLEXES	55
1230 TRIPLEXES	5
1240 FOURPLEXES	41
13 Household, multiunits (5 or more)	21
1300 APARTMENTS	21
14 Residential condominiums	455
1400 CONDOMINIUMS	167
1410 CONDOS	288
15 Mobile home parks or courts	18
1500 M H COURTS	18
16 Hotels/motels	9
1600 HOTELS-MOTEL	9
17 Institutional lodging	5
1731 CNVLCNT CNTR	4
1734 ASSIST LIVNG	1
18 All other residential not elsewhere coded	12
1800 OTHER RES	11
1810 ROOM & BOARD	1
19 Vacation and cabin	7

1900 VAC HM-CABIN	2
1910 VACATION HMS	2
1920 CABINS	3
2 MANUFACTURING	3
22 Textile mill products	3
2240 RUGS/CARPETS	1
2293 PAD/UPHOLST	2
3 MANUFACTURING	3
34 Fabricated metal products	2
3424 MTLWRK EQUIP	2
35 Professional scientific, and controlling instruments; photographic and optical goods; watches and clocks-manufacturing	1
3530 OPTICAL	1
4 TRANSPORTATION, COMMUNICATION, AND UTILITIES	66
41 Railroad/transit transportation	1
4111 R R R/W	1
45 Highway and street right of way	39
4500 HIGHWAY STR	12
4560 LOCAS AC ST	4
4570 ALLEYS	1
4580 EASE-R/W	13
4590 HWY & ST R/W	9
46 Automobile parking	14
4600 AUTO PARK	14
47 Communication	2
4710 TELEPHONE	1
4749 OTHER TELE	1
48 Utilities	10
4800 UTILITIES	5
4823 GAS STR/DIST	3
4833 WATER STOR	1
4834 IRRIGATION	1
5 TRADE	131
51 Wholesale trade	1
5121 DRUGS	1
52 Retail trade - Building materials, hardware, and farm equipment	12
5200 RET-BLD-FARM	2
5212 BUILDING MAT	8
5220 HEAT/PLUMB	1
5230 PAINT ETC	1
53 Retail trade - General merchandise	20

5300 RETAIL TRADE	4
5310 DEPART STORE	1
5360 CONVEN SH CT	2
5370 COMM SHOP CT	13
54 Retail trade - Food	9
5400 RETAIL FOOD	7
5410 GROCERIES	1
5461 BAKERY(MANU)	1
55 Retail trade - Automotive, marine craft, aircraft, and accessories	10
5500 RETAIL AUTO	2
5520 ACCESSORIES	2
5530 GAS STATIONS	4
5535 GAS/MINI MRT	2
56 Retail trade - Apparel and accessories	3
5600 RETAIL/APPAR	1
5690 APPAREL NEC	2
57 Retail trade - Furniture, home furnishings and equipment	4
5700 RETAIL/FURN	3
5712 FLOOR COVER	1
58 Retail trade - Eating and drinking	29
5800 RETAIL EAT	3
5805 FAST FOODS	9
5810 RESTAURANTS	16
5820 TAVERN/LOUNG	1
59 Other retail trade	43
5900 OTHER RETAIL	24
5910 DRUG STORE	1
5931 ANTIQUE STOR	2
5970 JEWELRY STOR	1
5991 FLORISTS	1
5999 RETAIL TRADE	14
6 SERVICES	219
61 Finance, insurance, and real estate services	33
	1
6100 FINANCE	1
6111 BANKING SERV	15
6142 INSUR AGENTS	5
6152 R E AGENTS	9
6153 TITLE COMP	1
6190 FINANCE NEC	1
62 Personal services	14

6214 DRYCLN-SELF	1
6220 PHOTO SERV	2
6231 BEAUTY SERV	8
6232 BARBAR SERV	1
6241 FUNERAL SERV	2
63 Business services	27
6300 BUSINESS SER	6
6319 ADVERTIS NEC	1
6370 WAREHOUSING	17
6379 STORAGE NEC	2
6394 EQUIP RENTAL	1
64 Repair services	13
6411 AUTO REPAIR	12
6499 REP SERV NEC	1
65 Professional services	89
6500 PROFES SERV	45
6510 HEALTH SERV	11
6511 PHYSICIANS	2
6512 DENTAL SERV	11
6519 MED/HLTH NEC	7
6520 ATTORNEYS	2
6593 ACCOUNTING	2
6599 PROF SER NEC	9
66 Contract construction services	5
6611 BLDG CONSTR	1
6621 PLUMB/HEAT	3
6623 ELECTRICAL	1
67 Governmental services	4
6700 GOVERNMENTAL	1
6730 POSTAL	3
68 Educational services	2
6800 EDUCATIONAL	1
6811 NURSERY SHCL	1
69 Miscellaneous services	32
6900 MISC SERVICE	1
6911 CHURCHES	20
6919 RELIG NEC	3
6994 CIVIC ASSOC	7
6999 MISC SER NEC	1
7 CULTURAL, ENTERTAINMENT AND RECREATIONAL	22
71 Cultural activities and nature exhibitions	2

7111 LIBRARIES	1
7112 MUSEUMS	1
72 Public assembly	2
7219 ENTERTAIN	1
7290 PUB ASM NEC	1
74 Recreational activities	2
7417 BOWLING	1
7422 PLAYGROUNDS	1
75 Resorts and group camps	5
7500 RESORTS/CAMP	1
7516 REC VEH PARK	4
76 Parks	7
7600 PARKS	5
7630 GREEN BELTS	2
78 Not presently assigned	4
7800 INDIAN EXPT	4
8 RESOURCE PRODUCTION AND EXTRACTION	38
82 Agriculture related activities	4
8221 VET SERVICES	3
8222 ANIMAL HOSP	1
83 Agriculture classified under current use chapter 84.34 RCW	30
8300 AG (OS)	30
86 Marijuana grow operations	1
8600 MMJ PRODUCTION	1
88 Designated forest land under chapter 84 33 RCW	3
8800 DESIGNATED	3
9 UNDEVELOPED LAND AND WATER AREAS	1,025
91 Undeveloped land	670
9100 UNDEVEL LAND	551
9110 RESIDENTIAL	16
9120 COMMERCIAL	92
9130 INDUSTRIAL	10
9150 LAND ONLY W UTILITIES	1
93 Water areas	1
9300 WATER AREAS	1
94 Open space land classified under chapter 84 34 RCW	27
9400 OPEN SPACE	27
96 Not presently assigned	51
9600 HM OWN EXPT	51
97 Not presently assigned	276
9700 STATE EXMPT	69

9750 EXEMPT	207
Grand Total	4,641