

Region 2: Pacific Mountain WDA – Grays Harbor, Lewis, Mason, Pacific and Thurston Counties

The largest cluster in this region is state and local government; since the region includes the state capitol this is not a surprising result. The cluster with the highest location quotient is forest products (regional employment 33 times the national average). Fishing and seafood processing also has a high location coefficient, about 16 times higher than the national figure. A number of additional clusters were found in this region, all having a modest degree of comparative advantage compared to the previously mentioned clusters.

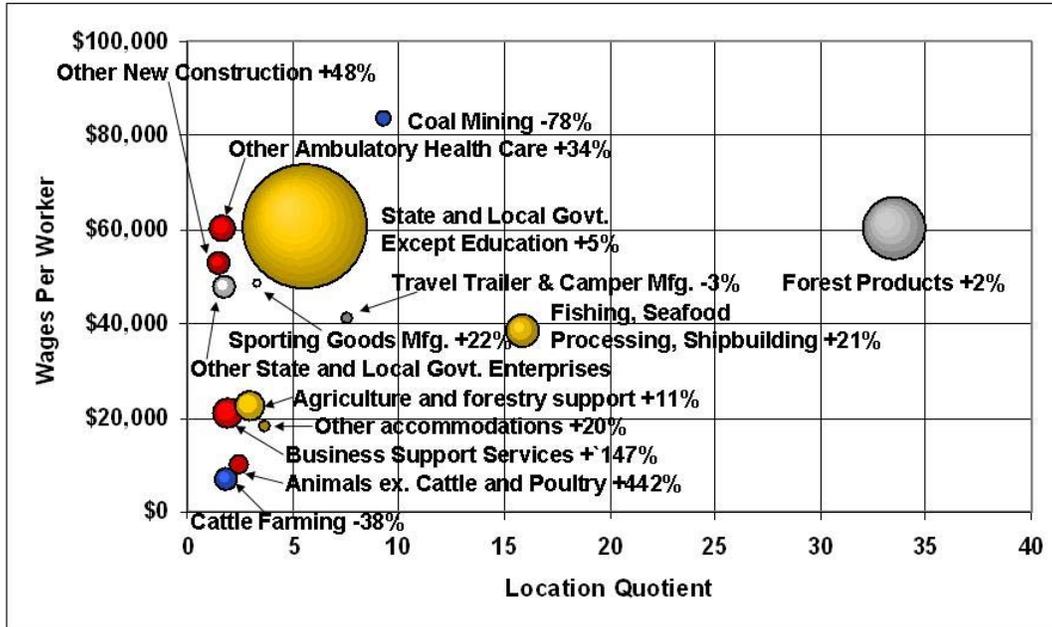
The state/ local government and fishing/seafood clusters expanded at a modest pace in recent years, and further expansion is expected in the years ahead. Rapid expansion is expected for three clusters: other ambulatory health care, other construction, and business support services. The “Other construction” cluster includes miscellaneous construction activities (excluding buildings, utility systems and road building) plus two linked sectors: architectural and engineering services and other state and local government enterprises. The other state and local government enterprises category often includes municipal and county PUD utility systems. What the three sectors combined represent is a bit of a mystery, since utility construction is not included in the “other construction” sector. One type of construction that would fall in the other construction sector is marine construction (dock and marine terminal construction and maintenance); thus this cluster may be capturing marine terminal development within this region.

Six of 10 clusters for which occupational data are available in this region have a higher percentage of middle wage jobs than the regional average, but just 3 have a higher percentage of high wage jobs than the regional average. The strategic matrix suggests that state and local government is the highest value cluster, followed by forest products coal mining and other ambulatory health care.

The WDA 2 map shows a relatively dispersed geography of establishments. With the exception of a strong localized cluster of Sporting Goods and Camper Manufacturing firms along Interstate 5 in the Chehalis area, most of the other industry clusters are co-located, with Fishing and Other Accommodations along the water along the Coast, Hood Canal, and the South Puget Sound areas of the region. Forestry clusters are present across all areas of the region, with Other Accommodation co-located in many of these areas as well. Greenhouse and Nursery cluster firms are also relatively diffuse throughout the region.

Figure 6: WDA2 Cluster Characteristics

WDA 2



Greenhouse and Nursery Not Shown

Figure 7: WDA2 Cluster Linkages

Region 2 Purchases in black, sales in red. >.05 Red Text: LQ >10

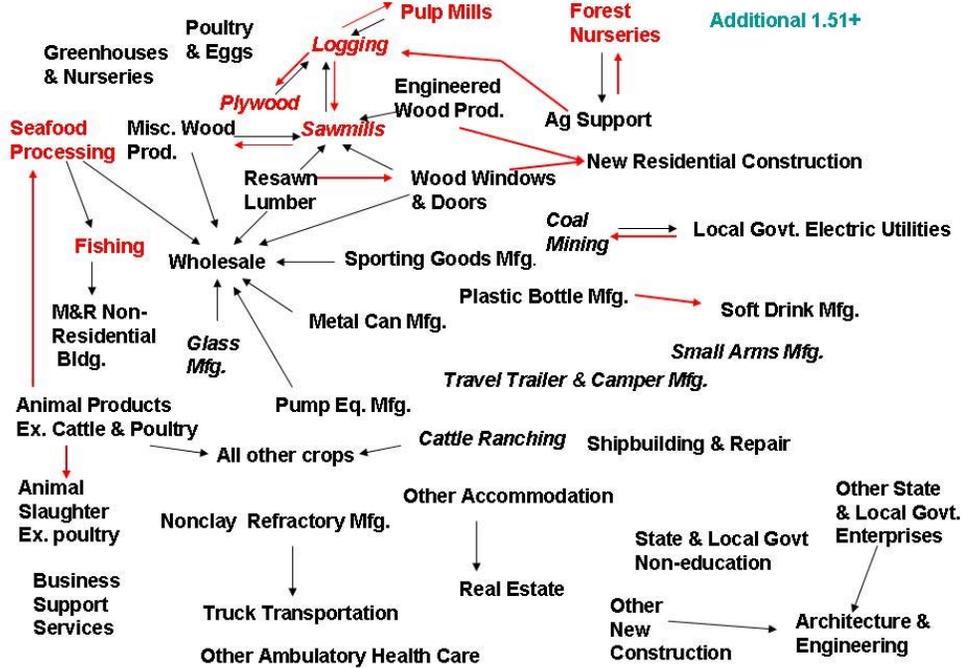


Table 4: Distribution of Occupational Median Wages in WDA2

Wage Type	Annual Wages
Mean Wages	\$40,617
Pct25 Wages	\$24,096
Median Wages	\$34,611
Pct75 Wages	\$50,907

Table 5: Middle and High Wage Jobs by Cluster in WDA 2

Cluster	All Employment	Middle Wage Jobs	Percent Middle Wage Jobs	High Wage Jobs	Percent High Wage Jobs
Forest Products	6,031	5,141	85%	549	9%
Fishing, Seafood Processing & Shipbuilding	1,411	283	20%	56	4%
State & Local Govt - Non-Education	12,415	7,332	59%	3,705	30%
Other Accommodations	1,917	434	23%	20	1%
Sporting Goods Mfg.	313	185	59%	38	12%
Agriculture and Forestry Support	717	17	2%	4	1%
Animal Production - except Cattle & Poultry	2,160	2,160	100%	-	0%
Business Support Services	1,348	267	20%	35	3%
Other ambulatory health care services	1,273	799	63%	348	27%
Other new construction	184	122	66%	49	27%
Cluster Total	27,769	16,740	60%	4,804	17%
All Industries	174,968	89,848	51%	37,697	22%
Clusters as % of All Industries	16%	19%			

Table 6: Strategic Evaluation of Clusters in WDA 2

Cluster or Industry	LQ	Employment	Output (\$ millions)	Earnings/ Worker	Percent of Occupations in Middle Wage Range	Percent of Occupations in High Wage Range	Chg Est 01-07	Chg Empl 01-07	Chg Wage 01-07	Projected Employment Increase 2006-16	R&D Occ'n. as % Empl.	Exports as % Output
Forest Products	33.48	2,594	8,686	60,164	85%	9%	-26.2%	1.9%	20.0%	-8.7%	1.7%	71.9%
Fishing, Seafood Processing & Shipbuilding	15.92	474	2,891	38,696	20%	4%	-23.4%	20.6%	64.4%	-0.5%	0.3%	91.7%
Coal Mining	9.25	265	741	83,595	59%	30%	0.0%	-77.8%	-40.3%	n/a	n/a	81.9%
Travel Trailer & Camper Mfg.	7.54	69	356	41,112	23%	1%	n/a	n/a	n/a	n/a	n/a	95.9%
State & Local Govt - Non-Education	5.57	2,350	35,579	60,574	59%	30%	n/a	n/a	n/a	12.5%	19.4%	0.0%
Other Accommodations	3.63	31	356	18,478	23%	1%	5.7%	20.3%	53.5%	12.1%	0.0%	56.6%
Sporting Goods Mfg.	3.26	40	198	48,561	59%	12%	20.5%	22.0%	47.2%	-15.9%	95.1%	95.1%
Agriculture and Forestry Support	2.95	2,008	57,967	22,670	2%	1%	-5.2%	11.3%	19.0%	n/a	n/a	0.4%
Animal Production - except Cattle & Poultry	2.46	45	1,065	10,081	100%	0%	54.1%	442.3%	556.3%	n/a	n/a	37.7%
Business Support Services	1.92	2414	122,548	21,053	20%	3%	21.0%	146.9%	139.9%	22.4%	0.3%	73.7%
Cattle ranching and farming	1.85	129	1,102	6,864	n/a	n/a	-34.0%	-38.4%	-35.3%	n/a	n/a	50.6%
Other State and local gov't. enterprises	1.77	276	1,274	47,946	n/a	n/a	n/a	n/a	n/a	6.3%	11.8%	17.1%
Other ambulatory health care services	1.67	250	1,580	60,254	63%	27%	41.1%	34.4%	73.2%	-100.0%	1.2%	20.7%
Other new construction	1.51	134	1,302	52,851	66%	27%	18.6%	48.3%	82.9%	6.0%	0.7%	17.5%

Notes:

Power generation and supply projection used for other state/local government enterprise employment increase.

R&D percentage for power generation and supply used for other state/local government enterprise.

R&D percentage for statewide travel trailer and camper manufacturing used for the regional industry.

Rankings

Cluster or Industry	LQ	Employment	Output (\$ millions)	Earnings/ Worker	Percent of Occupations in Middle Wage Range	Percent of Occupations in High Wage Range	Chg Est 01-07	Chg Empl 01-07	Chg Wage 01-07	Projected Employment Increase 2006-16	R&D Occ'n. as % Empl.	Exports as % Output	Sum of Ranks*	Index
														(120-Summed Scores)
Forest Products	1	1	2	4	2	6	10	9	8	7	4	6	60	60
Fishing, Seafood Processing & Shipbuilding	2	5	3	9	10	7	9	6	5	6	7	3	72	48
Coal Mining	3	7	9	1	6	1	7	11	11	5	5	4	70	50
Travel Trailer & Camper Mfg.	4	11	10	8	8	9	6	6	6	5	5	1	79	41
State & Local Govt - Non-Education	5	3	1	2	7	2	6	6	6	2	2	14	56	64
Other Accommodations	6	14	11	12	9	10	6	7	6	3	9	7	100	20
Sporting Goods Mfg.	7	13	12	6	5	5	4	5	7	8	1	2	75	45
Agriculture and Forestry Support	8	12	8	13	12	11	1	1	1	5	5	9	86	34
Animal Production - except Cattle & Poultry	9	4	14	10	1	12	8	8	9	5	5	13	98	22
Business Support Services	10	2	13	11	11	8	3	2	2	1	8	5	76	44
Cattle ranching and farming	11	10	7	14	6.5	6.5	11	10	10	5	5	8	104	16
Other State and local gov't. enterprises	12	6	6	7	6.5	6.5	6	6	6	4	3	12	81	39
Other ambulatory health care services	13	9	4	3	4	3	2	4	4	9	5	10	70	50
Other new construction	14	8	5	5	3	4	5	3	3	5	6	11	72	48

Note:

Clusters or industries with missing values are assigned the median rank for missing values.

Figure 8: WDA2 Cluster Map

Washington State WDA Region 2 Cluster Firms

- 2 Greenhouse/Nursery
- 2 Fishing
- 2 Other Accommodations
- 2 Sporting Goods and Camper Manufacturing
- 2 Forest Products

