Region 10: Eastern Washington WDA – Asotin, Columbia, Ferry, Garfield, Lincoln, Pend Oreille, Stevens, Walla Walla and Whitman Counties

This vast rural region covers most of eastern Washington except for Spokane County (WDA12). Within these 8 counties, the two largest clusters are agriculture/food products and forest products, followed by colleges and universities, and depository credit organizations. The many alumni of Washington State University, Whitman College and Walla Walla Community College are proud of the college and university cluster located in two of the counties in this region, and a growing wine industry in Walla Walla County brings some growth to the agriculture cluster, although there have been employment losses in agriculture/food products overall in recent years. Two small clusters stand out with high location quotients and growth in recent years: mining and heating equipment manufacturing.

The agriculture/food products cluster is projected to expand slightly in the years ahead, while the projection for forest products is a continued slow contraction of employment. Heating equipment is projected to contract in employment in the years ahead, while continued growth is projected for mining.

Two of the 5 clusters for which occupational data are available have a higher percentage of middle wage jobs, and a different pair of clusters have a higher percentage of high wage jobs than the regional average. The strategic value index gives the highest overall score to mining, followed by agriculture/food products, forest products, and heating equipment.

There is a clear north-south divide in terms of the location of establishments in these clusters. Agricultural and Food clusters are apparent in the southern areas of the region, while the northern areas are characterized by the strong presence of clusters in Forest Products, Mining, and Heating Equipment.

Figure 31: WDA10 Cluster Characteristics

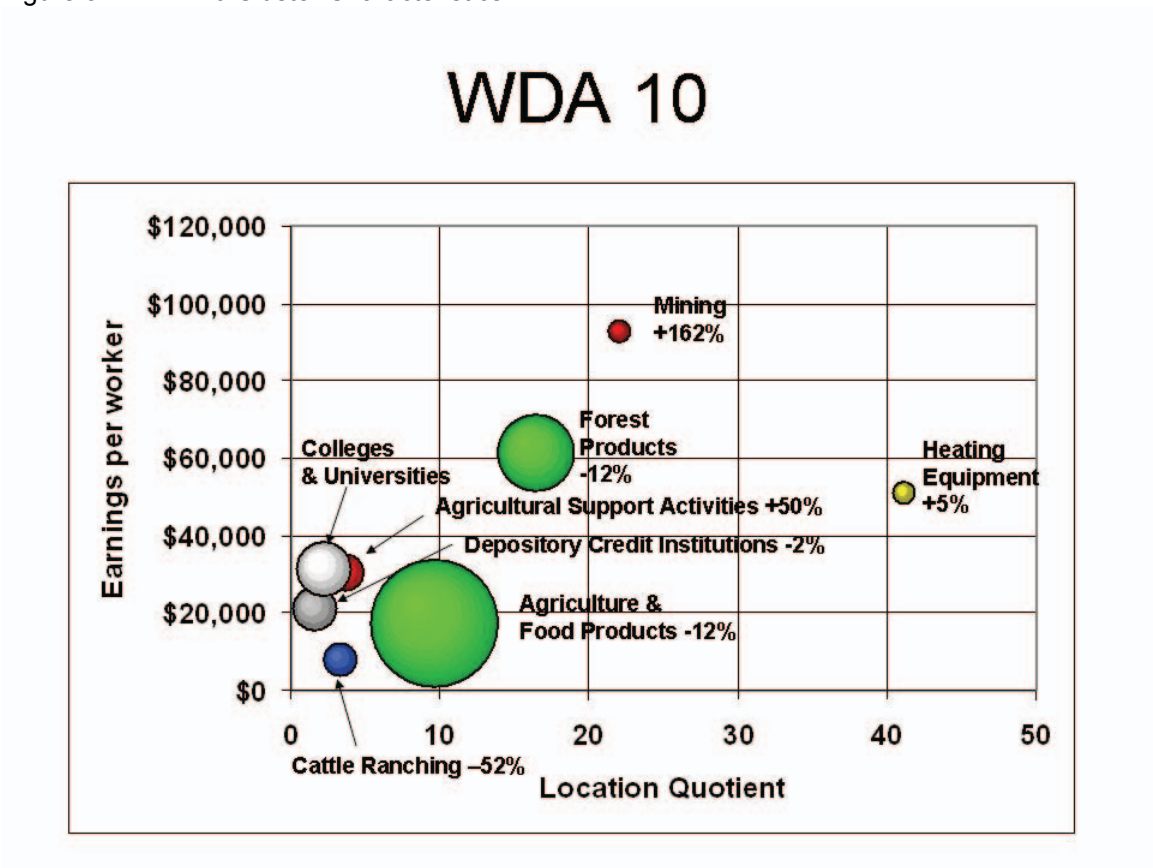

Figure 32: WDA10 Cluster Linkages

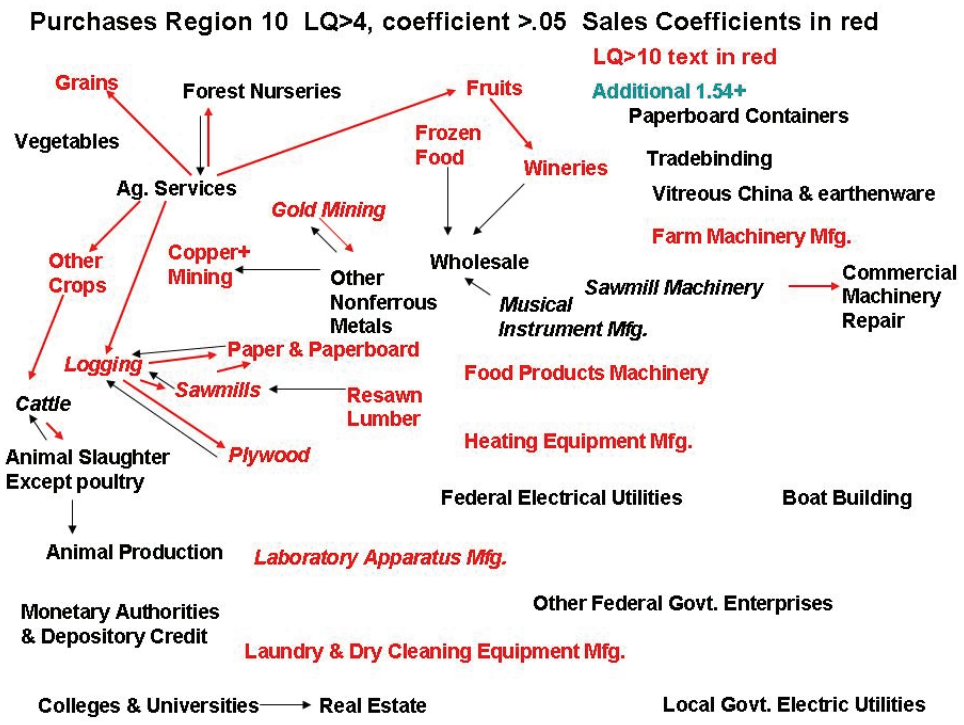
Purchases Region 10 LQ>4, coefficient >.05 Sales Coefficients in red
LQ>10 text in red
Additional 1.54+
Grains
Forest Nurseries
Fruits
Paperboard Containers
Vegetables
Frozen Food
Wineries
Tradebinding
Ag. Services
Vitreous China & earthenware
Gold Mining
Farm Machinery Mfg.
Other Crops
Copper+ Mining
Other Nonferrous Metals
Wholesale
Sawmill Machinery
Commercial Machinery Repair
Musical Instrument Mfg.
Logging
Paper & Paperboard
Food Products Machinery
Sawmills
Resawn Lumber
Cattle
Heating Equipment Mfg.
Plywood
Animal Slaughter Except poultry
Federal Electrical Utilities
Boat Building
Animal Production
Laboratory Apparatus Mfg.
Monetary Authorities & Depository Credit
Other Federal Govt. Enterprises
Laundry & Dry Cleaning Equipment Mfg.
Colleges & Universities
Real Estate
Local Govt. Electric Utilities

Table 29: Distribution of Occupational Median Wages in WDA 10

Wage Type	Annual Wages
Mean Wages	$38,979
Pct25 Wages	$22,597
Median Wages	$32,129
Pct75 Wages	$48,043

Table 30: Middle and High Wage Jobs by Cluster in WDA 10

Cluster	All Employment	Middle Wage Jobs	Percent Middle Wage Jobs	High Wage Jobs	Percent High Wage Jobs
Mining	268	24	9%	188	70%
Forest Products	1,233	950	77%	144	12%
Agriculture & Food Products	4,717	373	8%	59	1%
Agricultural & Forestry Support Services	262	103	39%	9	3%
Depository Credit Organizations	1,020	765	75%	224	22%
Cluster Total	7,500	2,215	30%	624	8%
All Industries	70,074	31,026	44%	13,512	19%
Clusters as % of All Industries	11%	7%			

Table 31: Strategic Evaluation of Clusters in Region 10

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	Middle Wage Jobs as % Empl.
Heating Equipment Except Warm Air Furn	41.06	317	79	51,196	*n/a*	*n/a*	0.0%	5.3%	29.2%	-7.1%	2.8%	100.0%	*n/a*
Mining	22.04	266	89	92,917	9%	70%	-28.6%	162.4%	221.6%	6.3%	10.4%	89.2%	0.0%
Forest Products	16.46	3,366	1,243	61,577	77%	12%	-19.7%	-12.0%	4.3%	-6.9%	1.1%	82.6%	2.8%
Agriculture & Food Products	9.58	8,907	1,008	17,471	8%	1%	-17.0%	-11.8%	9.4%	2.0%	0.0%	84.0%	*n/a*
Agricultural & Forestry Support Services	3.7	812	29	30,379	39%	3%	53.3%	50.4%	93.4%	12.8%	0.0%	12.5%	23.4%
Cattle Ranching	3.32	678	92	7,911	*n/a*	*n/a*	-0.4%	-51.6%	-38.1%	2.0%	0.0%	48.0%	30.4%
Colleges & Universities	2.25	1,611	94	31,422	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	54.0%	*n/a*
Depository Credit Organizations	1.54	1,063	280	21,181	75.0%	22.0%	7.5%	-2.0%	22.3%	1.5%	0.0%	0.4%	0.1%

Note:
Regional employment growth rate for all agriculture applied to agriculture and food products cluster and the cattle ranching 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 (100-Summed Scores)
Heating Equipment Except Warm Air Furn	1	7	7	3	3	3	2	3	3	7	2	1	42	58
Mining	2	8	6	1	4	1	5	1	1	2	1	2	34	66
Forest Products	3	2	1	2	1	3	4	5	5	6	3	4	39	61
Agriculture & Food Products	4	1	2	7	5	5	3	4	4	3	4	3	45	55
Agricultural & Forestry Support Services	5	5	8	5	3	4	7	6	6	1	4	7	61	39
Cattle Ranching	6	6	5	8	3	3	6	7	7	4	4	6	65	35
Colleges & Universities	7	3	4	4	3	3	4.5	4.5	4.5	4.5	4.5	5	52	49
Depository Credit Organizations	8	4	3	6	2	2	1	2	2	5	4	8	47	53

Note:
Missing values in matrix above are assigned a median rank value of 4.5.
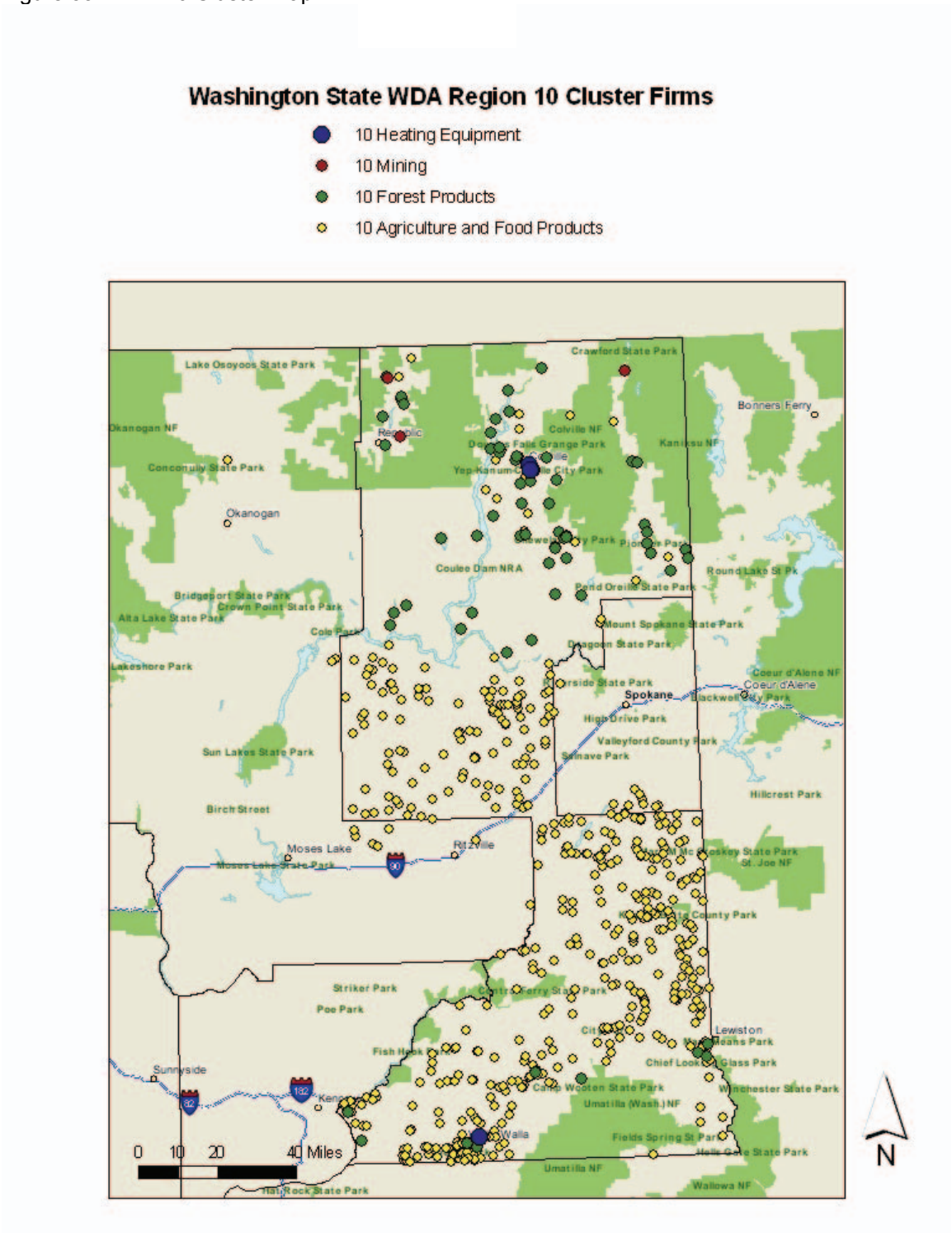
Figure 33: WDA10 Cluster Map