

Censuses and more recent population estimates and housing data, and where available, detailed information about historic and planned future residential development. Forecasts were not constrained by either current city boundaries or residential building capacities. Adjustments to 1990 and 2000 census counts for Clatskanie and 2000 census counts for Vernonia were based on surveys and censuses conducted by the PSU Population Research Center in 1991 and 2006. The housing unit model was not used to forecast the population of the City of Prescott; its population remains at its 2008 level throughout the forecast period.

TABLE 18:
Historical & Medium Growth Forecast: Total Population
Columbia County Cities & Unincorporated Area

	Clatskanie	Columbia City	Prescott	Rainier	St. Helens	Scappoose	Vernonia	Unincorp.	County-wide
1990: Total Population	1,708	1,003	63	1,674	7,535	3,529	1,808	20,237	37,557
2000:									
Total Population	1,675	1,571	72	1,687	10,049	4,976	2,292	21,268	43,560
<i>Numeric change</i>	-33	568	9	13	2,484	1,447	484	1,031	6,003
<i>Average Annual Growth Rate</i>	-0.2%	4.6%	1.3%	0.1%	2.9%	3.5%	2.4%	0.5%	1.5%
2010:									
Total Population	1,795	1,979	75	1,844	12,847	6,601	2,405	21,149	48,695
<i>Numeric change</i>	120	408	3	157	2,828	1,625	113	-119	5,135
<i>Average Annual Growth Rate</i>	0.7%	2.3%	0.4%	0.9%	2.5%	2.8%	0.5%	-0.1%	1.1%
2020:									
Total Population	1,948	2,292	75	2,060	15,591	8,234	2,605	21,220	54,025
<i>Numeric change</i>	153	313	0	216	2,744	1,633	200	71	5,330
<i>Average Annual Growth Rate</i>	0.8%	1.4%	0.0%	1.1%	1.9%	2.2%	0.8%	0.0%	1.0%
2030:									
Total Population	2,058	2,532	75	2,210	17,842	10,022	2,700	21,066	58,505
<i>Numeric change</i>	110	240	0	150	2,251	1,788	95	-154	4,480
<i>Average Annual Growth Rate</i>	0.5%	1.0%	0.0%	0.7%	1.3%	1.9%	0.4%	-0.1%	0.8%

*Medium Growth Forecast adopted by City + County
 9/09*

City of Vernonia TSP Update

Population 2340
 ADT 4000
 2-lane District Highway
 Weekday Rural Populated
 ATR Range 3600 4400
 Highway 102 MP 62.5

Note: Table was modified to include 2009
 Seasonal Trends for ATR Station 03-013 and
 seasonal adjustment interpolation
 calculations.
 -JDJ

NO ONSITE OR NEARBY ATR!

1. Similar ATR Method		Trend	Area	Facility	Classifica	ADT	Designation	Population										
BEST METHOD		-2.50%	ATR 03-013	Aggricultural	Rural	2 lane	Weekday	District Hi	3900	OR 213	Cascade							
Marquam			31	28	31	30	31	30	31	31	30	31	30	31				
03-013	Peak Month	Peak%	January	February	March	April	May	June	July	August	September	October	November	December				
2009	August	109	93	94	96	102	105	105	106	109	108	103	98	91				
2008	July	114	91	100	102	104	110	109	114	106	103	100	105	84				
2007	June	112	84	96	101	103	107	109	110	112	109	102	100	89				
2006	August	113	89	92	94	103	105	109	111	113	111	106	98	92				
2005	August	111	92	95	97	101	105	109	110	111	107	103	102	94				
	Average	112	91	95	98	103	106	109	110	111	108	103	100	91				
	Factor		1.2353	1.1789	1.1429	1.0909	1.0599	1.0275	1.0151	1.0120	1.0370	1.0909	1.1200	1.2353				

Seasonal Adjustment Interpolation

Month	Date	Days Ahead	Days Back	Month Ahead	Month Back	Seasonal Adj Factor
December	2	13	17	1.2353	1.1200	1.185
March	10	5	23	1.1429	1.1789	1.149
April	24	21	9	1.0599	1.0909	1.082

2. Seasonal Trend Table

	January	February	March	April	May	June	July	August	September	October	November	December	Peak
AGRICULTURE	1.1881	1.0732	1.0221	0.9854	0.9446	0.9240	0.8917	0.8940	0.9054	0.9336	0.9865	1.1632	0.8821
Factor	1.3469	1.2166	1.1587	1.1171	1.0709	1.0475	1.0109	1.0134	1.0264	1.0583	1.1184	1.3186	

Yearly Growth Adjustment Factor

MP	Location	Growth											Growth										Avg
		2009 ADT	2008 ADT	2007 ADT	2006 ADT	2005 ADT	2004 ADT	2003 ADT	2002 ADT	2001 ADT	2000 ADT	1999 ADT	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
61.72	0.01 mile wes	5100	4000	4200	4200	3900	4000	4000	5300	5100	4900	4600	1.0652	1.0408	0.9623	0.7547	1.0000	0.9750	1.0769	1.0000	0.9524	1.2750	1.0102
62.11	0.02 mile wes	6600	4800	5100	5000	4900	5000	5000	6500	6400	6300	5900	1.0678	1.0159	0.9846	0.7692	1.0000	0.9800	1.0204	1.0200	0.9412	1.3750	1.0174
62.27	Rock Creek E	7200	5200	5400	5400	5300	5400	5400	6900	6800	6700	6700	1.0000	1.0149	0.9855	0.7826	1.0000	0.9815	1.0189	1.0000	0.9630	1.3846	1.0131
62.52	0.02 mile eas	5200	3600	3800	3700	4200	4300	4300	5500	5400	5300	5200	1.0192	1.0189	0.9818	0.7818	1.0000	0.9767	0.8810	1.0270	0.9474	1.4444	1.0078
62.56	0.02 mile sou	4100	3200	3400	3300	3600	3700	3700	4600	4500	4400	4200	1.0476	1.0227	0.9783	0.8043	1.0000	0.9730	0.9167	1.0303	0.9412	1.2813	0.9995
62.79	0.02 mile sou	3900	3100	3300	3300	3300	3400	3400	4100	4000	3900	3800	1.0263	1.0256	0.9756	0.8293	1.0000	0.9706	1.0000	1.0000	0.9394	1.2581	1.0025
	AVG	5350	3983	4200	4150	4200	4300	4300	5483	5367	5250	5067										1.008	Average

ANNUAL GROWTH