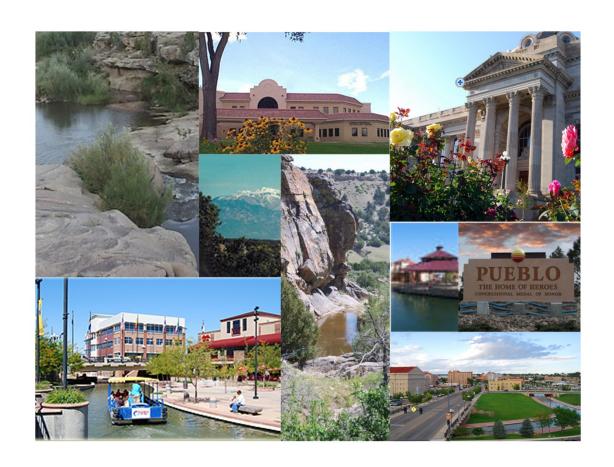


2018 PUEBLO COUNTY PROPERTY ASSESSMENT STUDY







September 15, 2018

Mr. Mike Mauer Director of Research Colorado Legislative Council Room 029, State Capitol Building Denver, Colorado 80203

RE: Final Report for the 2018 Colorado Property Assessment Study

Dear Mr. Mauer:

Wildrose Appraisal Inc.-Audit Division is pleased to submit the Final Reports for the 2018 Colorado Property Assessment Study.

These reports are the result of two analyses: A procedural audit and a statistical audit.

The procedural audit examines all classes of property. It specifically looks at how the assessor develops economic areas, confirms and qualifies sales, develops time adjustments and performs periodic physical property inspections. The audit reviews the procedures for determining subdivision absorption and subdivision discounting. Valuation methodology is examined for residential properties and commercial properties. Procedures are reviewed for producing mines, oil and gas leaseholds and lands producing, producing coal mines, producing earth and stone products, severed mineral interests, and non-producing patented mining claims.

Statistical audits are performed on vacant land, residential properties, commercial/industrial properties and agricultural land. A statistical analysis is performed for personal property compliance on the eleven largest counties: Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo and Weld. The remaining counties receive a personal property procedural study.

Wildrose Appraisal Inc. – Audit Division appreciates the opportunity to be of service to the State of Colorado. Please contact us with any questions or concerns.

Harry J. Fuller Project Manager

Harry J. Zulln

Wildrose Appraisal Inc. - Audit Division



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INTRODUCTION



The State Board of Equalization (SBOE) reviews assessments for conformance to the Constitution. The SBOE will order revaluations for counties whose valuations do not reflect the proper valuation period level of value.

The statutory basis for the audit is found in C.R.S. 39-1-104 (16)(a)(b) and (c).

The legislative council sets forth two criteria that are the focus of the audit group:

To determine whether each county assessor is applying correctly the constitutional and statutory provisions, compliance requirements of the State Board of Equalization, and the manuals published by the State Property Tax Administrator to arrive at the actual value of each class of property.

To determine if each assessor is applying correctly the provisions of law to the actual values when arriving at valuations for assessment of all locally valued properties subject to the property tax.

The property assessment audit conducts a two-part analysis: A procedural analysis and a statistical analysis.

The procedural analysis includes all classes of property and specifically looks at how the assessor develops economic areas, confirms and qualifies sales, and develops time adjustments. The audit also examines the procedures for adequately discovering, classifying and valuing agricultural outbuildings, discovering subdivision build-out subdivision and discounting procedures. Valuation methodology for vacant land, improved properties commercial residential and properties is examined. Procedures for producing mines, oil and gas leaseholds and lands producing, producing coal mines, producing earth and stone products, severed mineral interests and non-producing patented mining claims are also reviewed.

Statistical analysis is performed on vacant land, residential properties, commercial/industrial properties, agricultural land, and personal property. The statistical study results are compared with State Board of Equalization compliance requirements and the manuals published by the State Property Tax Administrator.

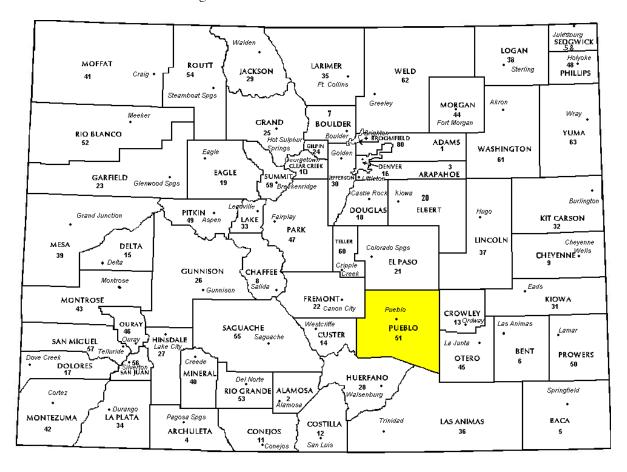
Wildrose Audit has completed the Property Assessment Study for 2018 and is pleased to report its findings for Pueblo County in the following report.



REGIONAL/HISTORICAL SKETCH OF PUEBLO COUNTY

Regional Information

Pueblo County is located in the Front Range region of Colorado. The Colorado Front Range is a colloquial geographic term for the populated areas of the State that are just east of the foothills of the Front Range. It includes Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, El Paso, Jefferson, Larimer, Pueblo, and Weld counties.





Historical Information

Pueblo County had an estimated population of approximately 165,123 people with 69.12 people per square mile, according to the U.S. Census Bureau's 2016 estimated census data. This represents a 3.8 percent change from April 1, 2010 to July 1, 2016.

Pueblo County, one of the seventeen original territorial counties, was established in 1861 with an area of 2,405 square miles. The county was named for its county seat, Pueblo, Spanish for 'town' or 'village.' Originally called Independence, it had been a settlement for many years, occupied at times by Spaniards, trappers, Indian traders, and Mexicans.

Pueblo is a Home Rule Municipality and is the county seat and the most populous city of Pueblo County. It is situated at the confluence of the Arkansas River and Fountain Creek. The area is considered to be semi-arid with approximately 14 inches of precipitation annually; however with its location in the

"banana belt," Pueblo tends to get less snow than the other major cities in Colorado. Pueblo is one of the largest steel-producing cities in the United States. Because of this, Pueblo is referred to as the "Steel City." Many consider Pueblo to be the economic hub of south eastern Colorado. Due to this some people call Pueblo "Colorado's second city" even though Pueblo is the state's ninth most populous city. It is now home to a number of electronics and aviation companies. Historic Arkansas River Project (HARP) is a beautiful river walk that graces the historic Union Avenue district. It shows the history of the Pueblo Flood.

Pueblo is also the home to Colorado's largest single event, the Colorado State Fair and the largest parade, the state fair parade. Pueblo also hosts an annual Chili Festival and the Wild West Fest.

(www.Wikipedia.org, William Bright, Colorado Place Names, 3rd Edition, Johnson Books, 2004, p. 143)



RATIO ANALYSIS

Methodology

All significant classes of properties were analyzed. Sales were collected for each property class over the appropriate sale period, which was typically defined as the 18-month period between January 1, 2015 and June 30, 2016. Counties with less than 30 sales typically extended the sale period back up to 5 years prior to June 30, 2016 in 6-month increments. If there were still fewer than 30 sales, supplemental appraisals were performed and treated as proxy sales. Residential sales for all counties using this method totaled at least 30 per county. For commercial sales, the total number analyzed was allowed, in some cases, to fall below 30. There were no sale quantity issues for counties requiring vacant land analysis or condominium analysis. Although it was required that we examine the median and coefficient of dispersion for all counties, we also calculated the weighted mean and pricerelated differential for each class of property. Counties were not passed or failed by these

latter measures, but were counseled if there were anomalies noted during our analysis. Qualified sales were based on the qualification code used by each county, which were typically coded as either "Q" or "C." The ratio analysis included all sales. The data was trimmed for counties with obvious outliers using IAAO standards for data analysis. In every case, we examined the loss in data from trimming to ensure that only true outliers were excluded. Any county with a significant portion of sales excluded by this trimming method was examined further. No county was allowed to pass the audit if more than 5% of the sales were "lost" because of trimming. For the largest 11 counties, the residential ratio statistics were broken down by economic area as well.

Conclusions

For this final analysis report, the minimum acceptable statistical standards allowed by the State Board of Equalization are:

ALLOWABLE STANDARDS RATIO GRID				
Property Class	Unweighted Median Ratio	Coefficient of Dispersion		
Commercial/Industrial	Between .95-1.05	Less than 20.99		
Condominium	Between .95-1.05	Less than 15.99		
Single Family	Between .95-1.05	Less than 15.99		
Vacant Land	Between .95-1.05	Less than 20.99		



The results for Pueblo County are:

Pueblo County Ratio Grid					
Property Class	Number of Qualified Sales	Unweighted Median Ratio	Price Related Differential	Coefficient of Dispersion	Time Trend Analysis
Commercial/Industrial	65	0.962	1.040	11.8	Compliant
Condominium	N/A	N/A	N/A	N/A	N/A
Single Family	2,620	1.003	1.008	7.9	Compliant
Vacant Land	427	1.000	1.145	18.5	Compliant

Ratio S	tatistics	for Current To	
Group	Median	Price Related Differential	Coefficient of Dispersion
1	1.015	1.012	.113
2	1.003	1.001	.060
2 3	1.000	1.008	.074
4	1.011	1.033	.140
5	1.006	1.018	.097
6	1.005	1.003	.068
7	1.003	1.009	.075
8	1.003	1.004	.064
9	1.005	1.008	.111
10	.999	1.005	.049
11	.993	1.023	.069
12	.994	1.008	.108
13	1.018	1.000	.058
Overall	1.003	1.008	.079

After applying the above described methodologies, it is concluded from the sales ratios that Pueblo County is in compliance with

SBOE, DPT, and Colorado State Statute valuation guidelines.

Recommendations



TIME TRENDING VERIFICATION

Methodology

While we recommend that counties use the inverted ratio regression analysis method to account for market (time) trending, some counties have used other IAAO-approved methods, such as the weighted monthly median approach. We are not auditing the methods used, but rather the results of the methods used. Given this range of methodologies used to account for market trending, we concluded that the best validation method was to examine the sale ratios for each class across the appropriate sale period. To be specific, if a county has considered and adjusted correctly for market trending, then the sale ratios should remain stable (i.e. flat) across the sale period. If a residual market trend is detected, then the county may or may not have addressed market

trending adequately, and a further examination is warranted. This validation method also considers the number of sales and the length of the sale period. Counties with few sales across the sale period were carefully examined to determine if the statistical results were valid.

Conclusions

After verification and analysis, it has been determined that Pueblo County has complied with the statutory requirements to analyze the effects of time on value in their county. Pueblo County has also satisfactorily applied the results of their time trending analysis to arrive at the time adjusted sales price (TASP).

Recommendations



SOLD/UNSOLD ANALYSIS

Methodology

Pueblo County was tested for the equal treatment of sold and unsold properties to ensure that "sales chasing" has not occurred. The auditors employed a multi-step process to determine if sold and unsold properties were valued in a consistent manner.

We test the hypothesis that the assessor has valued unsold properties consistent with what is observed with the sold properties based on several units of comparison and tests. units of comparison include the actual value per square foot and the change in value from the previous base year period to the current base year. The first test compares the actual value per square foot between sold and unsold properties by class. The median and mean value per square foot is compared and tested for any significant difference. This is tested using non-parametric methods, such as the Mann-Whitney test for differences in the distributions or medians between sold and unsold groups. It is also examined graphically and from an appraisal perspective. Data can be stratified based on location and subclass. The second test compares the difference in the median change in value from the previous base year to the current base year between sold and unsold properties by class. The same combination of non-parametric and appraisal testing is used as with the first test. A third test employing a valuation model testing a sold/unsold binary variable while controlling for property attributes such as location, size, age and other attributes. determines if the sold/unsold variable is statistically and empirically significant. three tests indicate a significant difference between sold and unsold properties for a given class, the Auditor may meet with the county to determine if sale chasing is actually occurring,

or if there are other explanations for the observed difference.

If the unsold properties have a higher median value per square foot than the sold properties, or if the median change in value is greater for the unsold properties than the sold properties, the analysis is stopped and the county is concluded to be in compliance with sold and unsold guidelines. All sold and unsold properties in a given class are first tested, although properties with extreme unit values or percent changes can be trimmed to stabilize the analysis. The median is the primary comparison metric, although the mean can also be used as a comparison metric if the distribution supports that type of measure of central tendency.

The first test (unit value method) is applied to both residential and commercial/industrial sold and unsold properties. The second test is applied to sold and unsold vacant land properties. The second test (change in value method) is also applied to residential or commercial sold and unsold properties if the first test results in a significant difference observed and/or tested between sold and unsold properties. The third test (valuation modeling) is used in instances where the results from the first two tests indicate a significant difference between sold and unsold properties. It can also be used when the number of sold and unsold properties is so large that the nonparametric testing is indicating a false rejection of the hypothesis that there is no difference between the sold and unsold property values.

These tests were supported by both tabular and graphics presentations, along with written documentation explaining the methodology used.



Sold/Unsold Re	sults
Property Class	Results
Commercial/Industrial	Compliant
Condominium	N/A
Single Family	Compliant
Vacant Land	Compliant

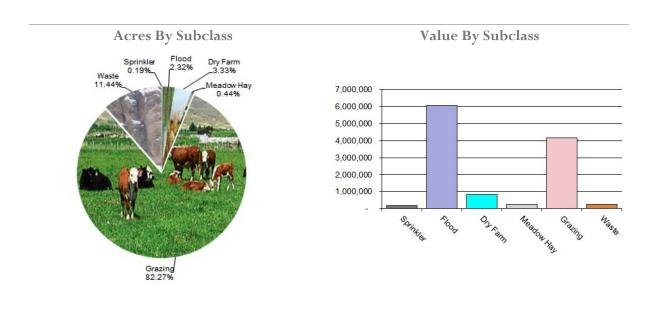
Conclusions

After applying the above described methodologies, it is concluded that Pueblo County is reasonably treating its sold and unsold properties in the same manner.

Recommendations



AGRICULTURAL LAND STUDY



Agricultural Land

County records were reviewed to determine major land categories such as irrigated farm, dry farm, meadow hay, grazing and other In addition, county records were lands. reviewed in order to determine if: photographs are available and are being used; soil conservation guidelines have been used to classify lands based on productivity; crop rotations have been documented; typical commodities and yields have been determined; orchard lands have been properly classified and valued; expenses reflect a ten year average and are typical landlord expenses; grazing lands have been properly classified and valued; the number of acres in each class and subclass have been determined; the capitalization rate was properly applied. Also, documentation was required for the valuation methods used and locally developed yields, carrying capacities, and expenses. Records were also checked to ensure that the commodity prices and expenses, furnished by the Property Tax

Administrator (PTA), were applied properly. (See Assessor Reference Library Volume 3 Chapter 5.)

Conclusions

An analysis of the agricultural land data indicates an acceptable appraisal of this property type. Directives, commodity prices and expenses provided by the PTA were properly applied. County yields compared favorably to those published by Colorado Agricultural Statistics. Expenses used by the county were allowable expenses and were in an acceptable range. Grazing lands carrying capacities were in an acceptable range. The data analyzed resulted in the following ratios:



	Pueblo County Agricultural Land Ratio Grid					
Number County County WRA Abstract Of Value Assessed Total Code Land Class Acres Per Acre Total Value Value Ratio						
		1,986	85.32	169,422	171,433	0.99
4107	Sprinkler	,		,	,	
4117	Flood	23,675	256.21	6,065,686	5,950,735	1.02
4127	Dry Farm	33,931	24.90	844,879	806,028	1.05
4137	Meadow Hay	4,503	55.72	250,913	250,913	1.00
4147	Grazing	838,606	4.95	4,153,752	4,153,752	1.00
4167	Waste	116,613	2.22	259,096	259,096	1.00
Total/Avg		1,019,313	11.52	11,743,749	11,591,958	1.01

Recommendations

None

Agricultural Outbuildings

Methodology

Data was collected and reviewed to determine if the guidelines found in the Assessor's Reference Library (ARL) Volume 3, pages 5.74 through 5.77 were being followed.

Conclusions

Pueblo County has substantially complied with the procedures provided by the Division of Property Taxation for the valuation of agricultural outbuildings.

Recommendations



Agricultural Land Under Improvements

Methodology

Data was collected and reviewed to determine if the guidelines found in the Assessor's Reference Library (ARL) Volume 3, pages 5.19 and 5.20 were being followed.

Conclusions

Pueblo County has used the following methods to discover land under a residential improvement on a farm or ranch that is determined to be not integral under 39-1-102, C.R.S.:

- Questionnaires
- Field Inspections
- Phone Interviews
- In-Person Interviews with Owners/Tenants
- Written Correspondence other than Questionnaire
- Personal Knowledge of Occupants at Assessment Date

Pueblo County has used the following methods to discover the land area under a residential improvement that is determined to be not integral under 39-1-102, C.R.S.:

- Property Record Card Analysis
- Questionnaires
- Field Inspections
- Phone Interviews
- In-Person Interviews with Owners/Tenants
- Written Correspondence other than Questionnaire
- Personal Knowledge of Occupants at Assessment Date

Pueblo County has substantially complied with the procedures provided by the Division of Property Taxation for the valuation of land under residential improvements that may or may not be integral to an agricultural operation.

Recommendations



SALES VERIFICATION

According to Colorado Revised Statutes:

A representative body of sales is required when considering the market approach to appraisal.

(8) In any case in which sales prices of comparable properties within any class or subclass are utilized when considering the market approach to appraisal in the determination of actual value of any taxable property, the following limitations and conditions shall apply:

(a)(I) Use of the market approach shall require a representative body of sales, including sales by a lender or government, sufficient to set a pattern, and appraisals shall reflect due consideration of the degree of comparability of sales, including the extent of similarities and dissimilarities among properties that are compared for assessment purposes. In order to obtain a reasonable sample and to reduce sudden price changes or fluctuations, all sales shall be included in the sample that reasonably reflect a true or typical sales price during the period specified in section 39-1-104 (10.2). Sales of personal property exempt pursuant to the provisions of sections 39-3-102, 39-3-103, and 39-3-119 to 39-3-122 shall not be included in any such sample.

(b) Each such sale included in the sample shall be coded to indicate a typical, negotiated sale, as screened and verified by the assessor. (39-1-103, C.R.S.)

The assessor is required to use sales of real property only in the valuation process.

(8)(f) Such true and typical sales shall include only those sales which have been determined on an individual basis to reflect the selling price of the real property only or which have been adjusted on an individual basis to reflect the selling price of the real property only. (39-1-103, C.R.S.)

Part of the Property Assessment Study is the sales verification analysis. WRA has used the above-cited statutes as a guide in our study of the county's procedures and practices for verifying sales.

WRA reviewed the sales verification procedures in 2018 for Pueblo County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 60 sales listed as unqualified.

All but two of the sales selected in the sample gave reasons that were clear and supportable. Two sales had insufficient reason for disqualification.

For residential, commercial, and vacant land sales with considerations over \$500, the contractor has examined and reported the ratio of qualified sales to total sales by class and performed the following analyses of unqualified sales:

The contractor has examined the manner in which sales have been classified as qualified or unqualified, including a listing of each step in the sales verification process, any adjustment procedures, and the county official responsible for making the final decision on qualification.

The contractor has reviewed with the assessor any analysis indicating that sales data are inadequate, fail to reflect typical properties, or have been disqualified for insufficient cause. In addition, the contractor has reviewed the disqualified sales by assigned code.



If there appears to be any inconsistency in the coding, the contractor has conducted further analysis to determine if the sales included in that code have been assigned appropriately.

Conclusions

Pueblo County appears to be doing a good job of verifying their sales.

Recommendations



ECONOMIC AREA REVIEW AND EVALUATION

Methodology

Pueblo County has submitted a written narrative describing the economic areas that make up the county's market areas. Pueblo County has also submitted a map illustrating these areas. Each of these narratives have been read and analyzed for logic and appraisal sensibility. The maps were also compared to the narrative for consistency between the written description and the map.

Conclusions

After review and analysis, it has been determined that Pueblo County has adequately

identified homogeneous economic areas comprised of smaller neighborhoods. Each economic area defined is equally subject to a set of economic forces that impact the value of the properties within that geographic area and this has been adequately addressed. Each economic area defined adequately delineates an area that will give "similar values for similar properties in similar areas."

Recommendations



NATURAL RESOURCES

Earth and Stone Products

Methodology

Under the guidelines of the Assessor's Reference Library (ARL), Volume 3, Natural Resource Valuation Procedures, the income approach was applied to determine value for production of earth and stone products. The number of tons was multiplied by an economic royalty rate determined by the Division of Property Taxation to determine income. The income was multiplied by a recommended Hoskold factor to determine the actual value. The Hoskold factor is determined by the life of the reserves or the lease. Value is based on two

variables: life and tonnage. The operator determines these since there is no other means to obtain production data through any state or private agency.

Conclusions

The County has applied the correct formulas and state guidelines to earth and stone production.

Recommendations



VACANT LAND

Subdivision Discounting

Subdivisions were reviewed in 2018 in Pueblo County. The review showed that subdivisions were discounted pursuant to the Colorado Revised Statutes in Article 39-1-103 (14) and by applying the recommended methodology in ARL Vol 3, Chap 4. Subdivision Discounting in the intervening year can be accomplished by reducing the absorption period by one year. In instances where the number of sales within an approved plat was less than the absorption rate

per year calculated for the plat, the absorption period was left unchanged.

Conclusions

Pueblo County has implemented proper procedures to adequately estimate absorption periods, discount rates, and lot values for qualifying subdivisions.

Recommendations



POSSESSORY INTEREST PROPERTIES

Possessory Interest

Possessory interest property discovery and valuation is described in the Assessor's Reference Library (ARL) Volume 3 section 7 in accordance with the requirements of Chapter 39-1-103 (17)(a)(II)C.R.S. Possessory Interest is defined by the Property Tax Administrator's Publication ARL Volume 3, Chapter 7: A private property interest in government-owned property or the right to the occupancy and use of any benefit in government-owned property that has been under lease, permit, concession, contract, or other agreement.

Pueblo County has been reviewed for their procedures and adherence to guidelines when assessing and valuing agricultural and commercial possessory interest properties. The county has also been queried as to their confidence that the possessory interest properties have been discovered and placed on the tax rolls.

Conclusions

Pueblo County has implemented a discovery process to place possessory interest properties on the roll. They have also correctly and consistently applied the correct procedures and valuation methods in the valuation of possessory interest properties.

Recommendations



PERSONAL PROPERTY AUDIT

Pueblo County was studied for its procedural compliance with the personal property assessment outlined in the Assessor's Reference Library (ARL) Volume 5, and in the State Board of Equalization (SBOE) requirements for the assessment of personal property. The SBOE requires that counties use ARL Volume 5, including current discovery, classification, documentation procedures, current economic lives table, cost factor tables, depreciation table, and level of value adjustment factor table.

The personal property audit standards narrative must be in place and current. A listing of businesses that have been audited by the assessor within the twelve-month period reflected in the plan is given to the auditor. The audited businesses must be in conformity with those described in the plan.

Aggregate ratio will be determined solely from the personal property accounts that have been physically inspected. The minimum assessment sample is one percent or ten schedules, whichever is greater, and the maximum assessment audit sample is 100 schedules.

For the counties having over 100,000 population, WRA selected a sample of all personal property schedules to determine whether the assessor is correctly applying the provisions of law and manuals of the Property Tax Administrator in arriving at the assessment This sample was levels of such property. selected from the personal property schedules audited by the assessor. In no event was the sample selected by the contractor less than 30 schedules. The counties to be included in this study are Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo, and Weld. All other counties received a procedural study.

Pueblo County is compliant with the guidelines set forth in ARL Volume 5 regarding discovery procedures, using the following methods to discover personal property accounts in the county:

- Public Record Documents
- Local Telephone Directories, Newspapers or Other Local Publications
- Personal Observation, Physical Canvassing or Word of Mouth

The county uses the Division of Property Taxation (DPT) recommended classification and documentation procedures. The DPT's recommended cost factor tables, depreciation tables and level of value adjustment factor tables are also used.

Pueblo County submitted their personal property written audit plan and was current for the 2018 valuation period. The number and listing of businesses audited was also submitted and was in conformance with the written audit plan. The following audit triggers were used by the county to select accounts to be audited:

- Accounts with obvious discrepancies
- New businesses filing for the first time
- Incomplete or inconsistent declarations
- Accounts with omitted property
- Same business type or use
- Non-filing Accounts Best Information Available
- Accounts close to the \$7,400 actual value exemption status
- Accounts protested with substantial disagreement



Pueblo County's median ratio is .99. This is in compliance with the State Board of Equalization (SBOE) compliance requirements which range from .90 to 1.10 with no COD requirements.

Conclusions

Pueblo County has employed adequate discovery, classification, documentation,

valuation, and auditing procedures for their personal property assessment and is in statistical compliance with SBOE requirements.

Recommendations



WILDROSE AUDITOR STAFF

Harry J. Fuller, Audit Project Manager

Suzanne Howard, Audit Administrative Manager

Steve Kane, Audit Statistician

Carl W. Ross, Agricultural/Natural Resource Analyst

J. Andrew Rodriguez, Field Analyst



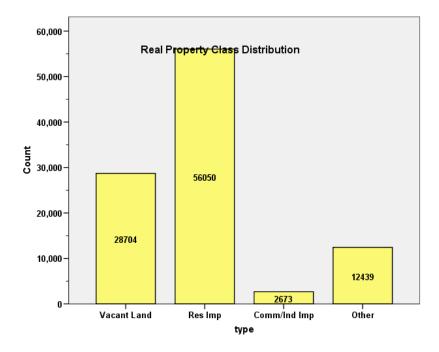
APPENDICES



STATISTICAL COMPLIANCE REPORT FOR PUEBLO COUNTY 2018

I. OVERVIEW

Pueblo County is located along the southern portion of Colorado's Front Range urban corridor. The county had a total of 99,866 real property parcels, according to data submitted by the county assessor's office in 2018. The following provides a breakdown of property classes for this county:



The vacant land class of properties was dominated by residential land. Residential lots (coded 100) accounted for 82.6% of all vacant land parcels.

For residential improved properties, single family properties accounted for 95.0% of all residential properties.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial properties accounted for 2.6% of all such properties in this county.

II. DATA FILES

The following sales analyses were based on the requirements of the 2018 Colorado Property Assessment Study. Information was provided by the Pueblo Assessor's Office in April 2018. The data included all 5 property record files as specified by the Auditor.



III. RESIDENTIAL SALES RESULTS

There were 2,620 qualified residential sales for the 18 month period ending June 30, 2016. The sales ratio analysis was analyzed as follows:

Case Processing Summary

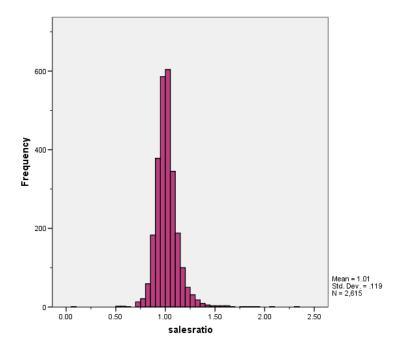
		Count	Percent
Econarea	1	96	3.7%
	2	194	7.4%
	2 3	285	10.9%
	4	97	3.7%
	5	257	9.8%
	6	218	8.3%
	7	251	9.6%
	8	565	21.6%
	9	251	9.6%
	10	92	3.5%
	11	68	2.6%
	12	56	2.1%
	13	184	7.0%
Overall		2614	100.0%
Excluded		1	
Total		2615	

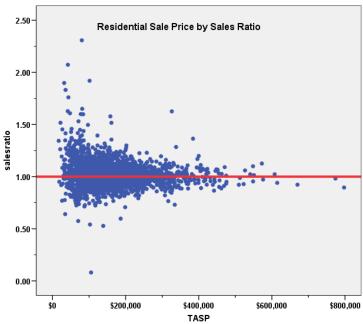
Ratio Statistics for Current Total / TASP

		Price Related	Coefficient of
Group	Median	Differential	Dispersion
1	1.015	1.012	.113
2	1.003	1.001	.060
3	1.000	1.008	.074
4	1.011	1.033	.140
5	1.006	1.018	.097
6	1.005	1.003	.068
7	1.003	1.009	.075
8	1.003	1.004	.064
9	1.005	1.008	.111
10	.999	1.005	.049
11	.993	1.023	.069
12	.994	1.008	.108
13	1.018	1.000	.058
Overall	1.003	1.008	.079

The above ratio statistics were in compliance with the standards set forth by the Colorado State Board of Equalization (SBOE) for the overall residential sales. The following graphs describe further the sales ratio distribution for these properties:







The above graphs indicate that the distribution of the sale ratios was within state mandated limits.

Residential Market Trend Analysis

We next analyzed the residential dataset for any residual market trending using the 18-month sale period and broken down by economic area, as follows:



Coefficients^a

Econarea	Model		Unstandardized B	Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
1	1	(Constant)	1.006	.037		26.876	.000
		SalePeriod	.000	.003	004	036	.972
2	1	(Constant)	1.011	.013		80.694	.000
		SalePeriod	001	.001	036	492	.623
3	1	(Constant)	1.001	.014		72.396	.000
		SalePeriod	.001	.001	.051	.852	.395
4	1	(Constant)	1.129	.056		20.225	.000
		SalePeriod	007	.005	141	-1.391	.167
5	1	(Constant)	.993	.021		46.247	.000
		SalePeriod	.004	.002	.116	1.867	.063
6	1	(Constant)	1.031	.014		71.080	.000
		SalePeriod	002	.001	082	-1.215	.226
7	1	(Constant)	1.021	.013		76.375	.000
		SalePeriod	001	.001	034	545	.587
8	1	(Constant)	1.002	.009		116.546	.000
		SalePeriod	.001	.001	.049	1.161	.246
9	1	(Constant)	1.013	.022		46.113	.000
		SalePeriod	.001	.002	.022	.352	.725
10	1	(Constant)	1.004	.013		77.344	.000
		SalePeriod	001	.001	066	627	.532
11	1	(Constant)	1.028	.024		43.078	.000
		SalePeriod	005	.002	259	-2.175	.033
12	1	(Constant)	.977	.040		24.599	.000
		SalePeriod	.002	.004	.061	.449	.655
13	1	(Constant)	1.011	.012		83.728	.000
		SalePeriod	.000	.001	.021	.282	.778

a. Dependent Variable: salesratio

There were no economic areas with statistically significant trends; we therefore concluded that the assessor has adequately addressed market trending in the valuation of residential properties.

Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold residential properties, we compared the median actual value per square foot for 2018 between each group, as follows:

|--|

VALSF			
sold	N	Median	Mean
UNSOLD	53322	\$101	\$205
SOLD	2614	\$118	\$118



Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of VALSF is th same across categories of sold	Independent- Samples eMann- Whitney U Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .01.

Given that there was a statistically significant difference using the non-parametric Mann Whitney U test, we next compared the percent change in actual value between 2016 and 2018 for sold and unsold residential properties in Pueblo County, as follows:

Report

DIFF				
sold	N	Median	Mean	
UNSOLD	53,300	1.14	1.50	
SOLD	2,614	1.14	1.15	

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the san across categories of sold.	Independent- Samples neMann- Whitney U Test	.002	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .00.



Report DIFF

Econarea	sold	N	Median	Mean
1	UNSOLD	4,493	1.17	1.21
	SOLD	96	1.17	1.18
2	UNSOLD	3,860	1.13	1.15
	SOLD	194	1.14	1.14
3	UNSOLD	5,007	1.14	1.61
	SOLD	285	1.14	1.14
4	UNSOLD	3,357	1.17	1.20
	SOLD	97	1.18	1.19
5	UNSOLD	5,508	1.14	1.34
	SOLD	257	1.14	1.16
6	UNSOLD	4,033	1.13	1.54
	SOLD	218	1.13	1.13
7	UNSOLD	5,211	1.13	1.15
	SOLD	251	1.13	1.13
8	UNSOLD	7,824	1.14	1.51
	SOLD	565	1.15	1.16
9	UNSOLD	7,400	1.12	2.20
	SOLD	251	1.13	1.15
10	UNSOLD	856	1.08	1.24
	SOLD	92	1.08	1.08
11	UNSOLD	680	1.06	1.09
	SOLD	67	1.09	1.08
12	UNSOLD	2,350	1.12	1.15
	SOLD	56	1.13	1.14
13	UNSOLD	1,966	1.17	2.53
	SOLD	184	1.18	1.19

Based on this analysis, we concluded that the assessor valued sold and unsold residential properties consistently in 2018.

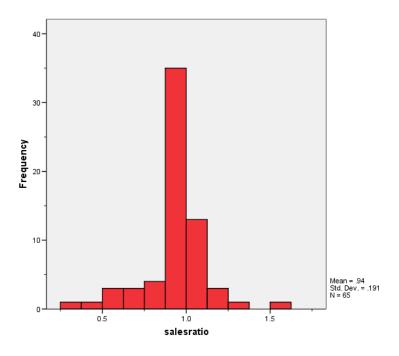
IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

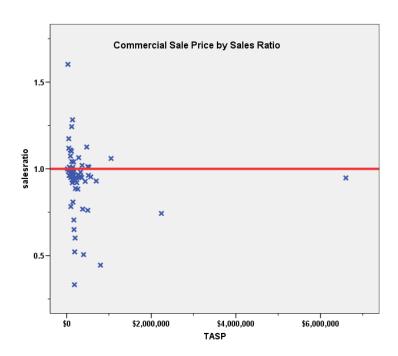
There were 65 qualified commercial/industrial sales for the 18 month period ending June 30, 2016. The sales ratio analysis was analyzed as follows:

Median	0.962
Price Related Differential	1.040
Coefficient of Dispersion	11.8

The above table indicates that the Pueblo County commercial/industrial sales ratios were barely in compliance with the SBOE standards after rounding. The following histogram and scatter plot describe the sales ratio distribution further:







Commercial/Industrial Market Trend Analysis

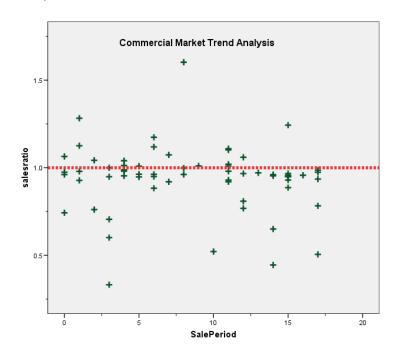
The 65 commercial/industrial sales were analyzed, examining the sale ratios across the 18 month sale period with the following results:



Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.971	.044		21.826	.000
	SalePeriod	003	.004	100	795	.430

a. Dependent Variable: salesratio



There was no residual market trending present in the commercial sale ratios. We concluded that the assessor has adequately considered market trending adjustments as part of the commercial/industrial valuation.

Sold/Unsold Analysis

We compared the 2018 median and mean actual value per square foot between sold and unsold commercial/industrial properties to determine if sold and unsold properties were valued consistently, as follows:

F	₹	E)	port
		•		\sim –

VALSE				
sold	N	Median	Mean	
UNSOLD	2,458	\$21	\$32	
SOLD	65	\$26	\$30	



Report

VALSF				
ABSTRIMP	sold	N	Median	Mean
2212	UNSOLD	438	\$21	\$26
	SOLD	11	\$31	\$31
2220	UNSOLD	208	\$27	\$32
	SOLD	8	\$32	\$33
2230	UNSOLD	995	\$24	\$40
	SOLD	21	\$25	\$30
2235	UNSOLD	154	\$11	\$13
	SOLD	5	\$17	\$20
2245	UNSOLD	110	\$49	\$48
	SOLD	6	\$56	\$52
3212	UNSOLD	188	\$14	\$15
	SOLD	6	\$19	\$20
3215	UNSOLD	131	\$12	\$32
	SOLD	4	\$21	\$22

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of VALSF is th same across categories of sold	Independent- Samples eMann- Whitney U Test	.023	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .01.

The above results indicated sold and unsold commercial/industrial properties were valued consistently.

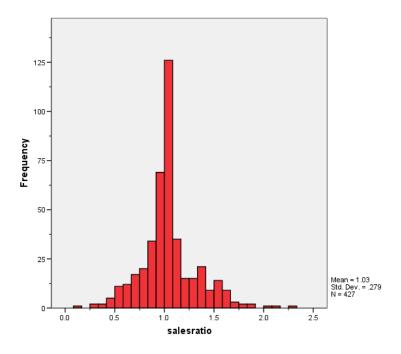
V. VACANT LAND SALE RESULTS

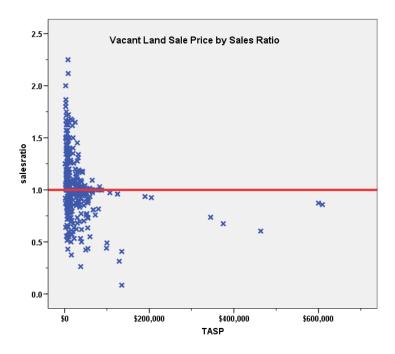
There were 427 qualified vacant land sales for the 18 month period ending June 30, 2016. The sales ratio analysis was analyzed as follows:

Median	1.000
Price Related Differential	1.145
Coefficient of Dispersion	18.5

The above ratio statistics were in compliance overall with the standards set forth by the Colorado State Board of Equalization (SBOE) for the overall vacant land sales. The following graphs describe further the sales ratio distribution for all of these properties:







The above histogram indicates that the distribution of the vacant land sale ratios was within state mandated limits, while the above scatter plot indicated that there were no price related differential issues. No sales were trimmed.



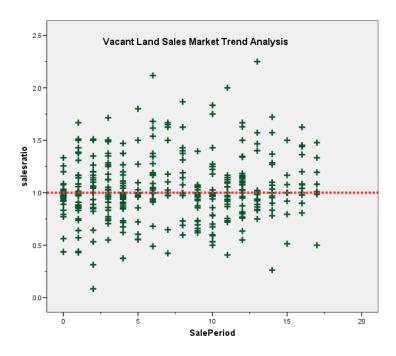
Vacant Land Market Trend Analysis

We next analyzed the vacant land dataset using the 18-month sale period and stratified by economic area, with the following results:

Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	1.006	.024		42.177	.000
	SalePeriod	.004	.003	.070	1.443	.150

a. Dependent Variable: salesratio



The above analysis indicated that no significant market trending was present in the vacant land sale data. We concluded that the assessor has adequately dealt with market trending for vacant land properties.

Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold vacant land properties, we compared the median change in actual value for 2016 and 2018 between each group, as follows:

Report				
DIFF sold	N	Median	Mean	
UNSOLD	28,055	1.00	.97	
SOLD	417	1.00	.94	

We also performed this comparison analysis by subdivision. The following table indicates that sold and unsold properties were valued in a similar manner for subdivisions with at least 10 sales:



Report

SubDIVNO	sold	N	Median	Mean
1051	UNSOLD	154	.81	.86
	SOLD	10	.81	.87
1064	UNSOLD	339	.88	.87
	SOLD	10	.88	.88
1073	UNSOLD	104	.74	.74
	SOLD	13	.71	.72
2694	UNSOLD	163	1.00	1.02
	SOLD	22	1.03	1.05
2915	UNSOLD	13	1.00	.99
	SOLD	11	1.00	1.03
Total	Total	839	.88	.89

Overall, we concluded that the county assessor valued sold and unsold vacant land properties consistently.

VI. AGRICULTURAL IMPROVEMENTS ANALYSIS

The final verification concerned the assigned actual values for agricultural residential improvements. We compared the median improved value per square foot rate for this subclass and compared it to the median improved value per square foot for residential single family improvements in Pueblo County, as follows:

Report IMPVALSF			
ABSTRIMP	N	Median	Mean
1212	53,137	\$92.86	\$92.92
4277	327	\$83.36	\$88.00

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The medians of IMPVALSF a same across categories of ABSTRIMP.	ire thdndependent Samples Median Test	.046	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .01.

The above results indicate that agricultural residential properties were valued similarly to single family residential properties.

VII. CONCLUSIONS

Based on this 2018 audit statistical analysis for Pueblo County, residential, commercial industrial, vacant land and agricultural residential properties were found to be in compliance with state guidelines.



STATISTICAL ABSTRACT

Residential

Ratio Statistics for Current Total / TASP

		95% Confidence Interval for Mean			95% Cor	95% Confidence Interval for Median			95% Confidence Interval for Weighted Mean			
Econarea	Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion
	2.307			2.307				2.307		2.5	1.000	.000
1	1.005	.975	1.035	1.015	.974	1.034	96.8%	.993	.963	1.022	1.012	.113
2	1.006	.995	1.017	1.003	.988	1.016	96.3%	1.004	.994	1.015	1.001	.060
3	1.012	1.000	1.023	1.000	.990	1.013	95.6%	1.004	.993	1.015	1.008	.074
4	1.057	1.015	1.100	1.011	.979	1.047	95.8%	1.023	.986	1.061	1.033	.140
5	1.030	1.011	1.048	1.006	.993	1.026	95.4%	1.011	.995	1.027	1.018	.097
6	1.015	1.003	1.026	1.005	.994	1.025	95.1%	1.012	1.000	1.023	1.003	.068
7	1.015	1.003	1.027	1.003	.992	1.019	95.7%	1.006	.995	1.017	1.009	.075
8	1.011	1.003	1.019	1.003	.995	1.010	95.7%	1.007	1.000	1.013	1.004	.064
9	1.019	.999	1.040	1.005	.992	1.020	95.7%	1.011	.993	1.030	1.008	.111
10	.997	.983	1.010	.999	.983	1.015	95.3%	.991	.977	1.006	1.005	.049
11	.982	.959	1.005	.993	.967	1.003	96.2%	.961	.936	.985	1.023	.069
12	.993	.955	1.030	.994	.948	1.025	95.6%	.985	.948	1.022	1.008	.108
13	1.014	1.004	1.025	1.018	1.001	1.030	95.4%	1.015	1.004	1.025	1.000	.058

The confidence interval for the median is constructed without any distribution assumptions. The actual coverage level may be greater than the specified level. Other confidence intervals are constructed by assuming distribution for the ratios.

Commercial Land

Ratio Statistics for Current Total / TASP

	95% Confiden			95% Cor	nfidence Interval fo	r Median			nce Interval for ed Mean			Coefficient of Variation
Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion	Mean Centered
.941	.893	.988	.962	.950	.979	95.4%	.904	.847	.961	1.040	.118	20.3%

The confidence interval for the median is constructed without any distribution assumptions. The actual coverage level may be greater than the specified level. Other confidence intervals are constructed by assuming a Normal distribution for the ratios.



Vacant Land

Ratio Statistics for Current Land / TASP

	95% Confiden Me	nce Interval for ean		95% Cor	nfidence Interval fo	r Median		95% Confider Weighte	ice Interval for ed Mean			Coefficient of Variation
Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion	Mean Centered
1.034	1.008	1.061	1.000	1.000	1.000	95.8%	.903	.862	.944	1.145	.185	27.0%

The confidence interval for the median is constructed without any distribution assumptions. The actual coverage level may be greater than the specified level. Other confidence intervals are constructed by assuming a Normal distribution for the ratios.



Residential Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	5	0.2%
	\$25K to \$50K	72	2.8%
	\$50K to \$100K	453	17.3%
	\$100K to \$150K	622	23.8%
	\$150K to \$200K	726	27.8%
	\$200K to \$300K	539	20.6%
	\$300K to \$500K	183	7.0%
	\$500K to \$750K	13	0.5%
	\$750K to \$1,000K	2	0.1%
Overall	•	2615	100.0%
Excluded		0	
Total		2615	

Ratio Statistics for Current Total / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT \$25K	1.263	1.004	.157	21.2%
\$25K to \$50K	1.045	.999	.168	26.0%
\$50K to \$100K	1.032	1.002	.111	15.8%
\$100K to \$150K	1.001	1.000	.083	11.7%
\$150K to \$200K	1.000	1.000	.064	8.8%
\$200K to \$300K	1.000	1.000	.055	7.2%
\$300K to \$500K	.995	1.000	.065	9.5%
\$500K to \$750K	.988	1.001	.055	6.9%
\$750K to \$1,000K	.939	1.001	.046	6.5%
Overall	1.003	1.008	.079	11.9%

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	0	1	0.0%
	1212	2543	97.2%
	1225	2	0.1%
	1230	66	2.5%
	3257	2	0.1%
	3666	1	0.0%
Overall		2615	100.0%
Excluded		0	
Total		2615	



Ratio Statistics for Current Total / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
0	.081	1.000	.000	
1212	1.004	1.008	.078	11.5%
1225	1.573	1.196	.467	66.0%
1230	.992	1.022	.068	9.6%
3257	1.197	1.006	.023	3.3%
3666	1.626	1.000	.000	
Overall	1.003	1.008	.079	11.9%

Improvement Age

Case Processing Summary

		Count	Percent
AgeRec	0	1	0.0%
	Over 100	174	6.7%
	75 to 100	167	6.4%
	50 to 75	560	21.4%
	25 to 50	441	16.9%
	5 to 25	1240	47.4%
	5 or Newer	32	1.2%
Overall		2615	100.0%
Excluded		0	
Total		2615	

Ratio Statistics for Current Total / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
0	.081	1.000	.000	
Over 100	1.000	1.034	.135	22.3%
75 to 100	1.019	1.018	.105	14.9%
50 to 75	1.006	1.009	.088	12.0%
25 to 50	1.005	1.007	.077	10.7%
5 to 25	1.002	1.002	.064	9.2%
5 or Newer	1.058	1.005	.062	7.9%
Overall	1.003	1.008	.079	11.9%



Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	0	1	0.0%
	LE 500 sf	4	0.2%
	500 to 1,000 sf	487	18.6%
	1,000 to 1,500 sf	1152	44.1%
	1,500 to 2,000 sf	654	25.0%
	2,000 to 3,000 sf	275	10.5%
	3,000 sf or Higher	42	1.6%
Overall		2615	100.0%
Excluded		0	
Total		2615	

Ratio Statistics for Current Total / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
0	.081	1.000	.000	
LE 500 sf	.870	1.039	.194	26.9%
500 to 1,000 sf	1.000	1.019	.101	14.2%
1,000 to 1,500 sf	1.001	1.009	.077	11.4%
1,500 to 2,000 sf	1.008	1.009	.067	9.7%
2,000 to 3,000 sf	1.015	1.008	.069	9.9%
3,000 sf or Higher	1.023	1.031	.108	23.6%
Overall	1.003	1.008	.079	11.9%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY	0	2	0.1%
	1	168	6.4%
	2	2268	86.8%
	3	87	3.3%
	4	1	0.0%
	9	88	3.4%
Overall		2614	100.0%
Excluded		1	
Total		2615	



Ratio Statistics for Current Total / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
0	.860	1.019	.106	15.0%
1	.983	.996	.120	16.8%
2	1.006	1.008	.073	10.9%
3	.979	1.000	.068	9.7%
4	.896	1.000	.000	
9	.962	1.045	.162	22.6%
Overall	1.003	1.008	.079	11.8%

Improvement Condition

Case Processing Summary

		Count	Percent
CONDITION	0	2	0.1%
	1	168	6.4%
	2	2268	86.8%
	3	87	3.3%
	4	1	0.0%
	9	88	3.4%
Overall		2614	100.0%
Excluded		1	
Total		2615	

Ratio Statistics for Current Total / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
0	.860	1.019	.106	15.0%
1	.983	.996	.120	16.8%
2	1.006	1.008	.073	10.9%
3	.979	1.000	.068	9.7%
4	.896	1.000	.000	
9	.962	1.045	.162	22.6%
Overall	1.003	1.008	.079	11.8%



Commercial Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	1	1.5%
	\$25K to \$50K	4	6.2%
	\$50K to \$100K	8	12.3%
	\$100K to \$150K	14	21.5%
	\$150K to \$200K	9	13.8%
	\$200K to \$300K	10	15.4%
	\$300K to \$500K	11	16.9%
	\$500K to \$750K	4	6.2%
	\$750K to \$1,000K	1	1.5%
	Over \$1,000K	3	4.6%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for Current Total / TASP

Cravin	Madian	Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
LT \$25K	1.000	1.000	.000	
\$25K to \$50K	1.146	1.026	.146	24.4%
\$50K to \$100K	.968	1.004	.066	10.1%
\$100K to \$150K	.975	1.004	.083	13.4%
\$150K to \$200K	.705	1.023	.296	36.4%
\$200K to \$300K	.949	.997	.034	5.4%
\$300K to \$500K	.954	1.001	.113	18.5%
\$500K to \$750K	.958	1.003	.023	3.5%
\$750K to \$1,000K	.445	1.000	.000	
Over \$1,000K	.948	1.004	.111	17.4%
Overall	.962	1.040	.118	19.9%



Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	1720	1	1.5%
	1725	1	1.5%
	2212	11	16.9%
	2220	8	12.3%
	2221	1	1.5%
	2225	1	1.5%
	2230	21	32.3%
	2235	5	7.7%
	2245	6	9.2%
	3212	6	9.2%
	3215	4	6.2%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for Current Total / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
1720	.928	1.000	.000	
1725	1.283	1.000	.000	
2212	.962	1.006	.084	12.8%
2220	.993	1.023	.057	8.4%
2221	1.009	1.000	.000	
2225	.950	1.000	.000	
2230	.962	1.027	.147	26.0%
2235	.954	1.135	.054	11.2%
2245	1.024	1.025	.091	12.5%
3212	.864	1.069	.167	23.0%
3215	.980	.942	.173	32.0%
Overall	.962	1.040	.118	19.9%

Improvement Age

Case Processing Summary

		Count	Percent
AgeRec	Over 100	6	9.2%
	75 to 100	9	13.8%
	50 to 75	8	12.3%
	25 to 50	19	29.2%
	5 to 25	23	35.4%
Overall	-	65	100.0%
Excluded		0	
Total		65	



Ratio Statistics for Current Total / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
Over 100	.964	1.011	.038	4.8%
75 to 100	.980	1.065	.098	23.1%
50 to 75	.967	1.234	.199	33.6%
25 to 50	.954	1.069	.151	22.1%
5 to 25	.954	1.000	.089	13.2%
Overall	.962	1.040	.118	19.9%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	1,500 to 2,000 sf	2	3.1%
	2,000 to 3,000 sf	8	12.3%
	3,000 sf or Higher	55	84.6%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for Current Total / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
1,500 to 2,000 sf	.961	1.014	.026	3.7%
2,000 to 3,000 sf	.987	1.015	.097	15.4%
3,000 sf or Higher	.961	1.034	.124	20.9%
Overall	.962	1.040	.118	19.9%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY	1	18	27.7%
	2	46	70.8%
	3	1	1.5%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for Current Total / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
1	.970	1.028	.089	18.4%
2	.952	1.031	.129	20.6%
3	1.126	1.000	.000	
Overall	.962	1.040	.118	19.9%



Improvement Condition

Case Processing Summary

		Count	Percent
CONDITION	1	18	27.7%
	2	46	70.8%
	3	1	1.5%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for Current Total / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
1	.970	1.028	.089	18.4%
2	.952	1.031	.129	20.6%
3	1.126	1.000	.000	
Overall	.962	1.040	.118	19.9%

Vacant Land Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	267	62.5%
	\$25K to \$50K	107	25.1%
	\$50K to \$100K	40	9.4%
	\$100K to \$150K	6	1.4%
	\$150K to \$200K	1	0.2%
	\$200K to \$300K	1	0.2%
	\$300K to \$500K	3	0.7%
	\$500K to \$750K	2	0.5%
Overall		427	100.0%
Excluded		0	
Total		427	

Ratio Statistics for Current Land / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT \$25K	1.000	1.039	.223	31.7%
\$25K to \$50K	1.000	1.006	.098	16.9%
\$50K to \$100K	.952	1.006	.133	19.7%
\$100K to \$150K	.684	1.033	.509	58.8%
\$150K to \$200K	.936	1.000	.000	
\$200K to \$300K	.925	1.000	.000	
\$300K to \$500K	.675	1.010	.065	9.8%
\$500K to \$750K	.865	1.000	.009	1.2%
Overall	1.000	1.145	.185	28.1%



Subclass

Case Processing Summary

		Count	Percent
ABSTRLND	100	146	34.2%
	200	12	2.8%
	300	7	1.6%
	520	1	0.2%
	530	1	0.2%
	540	2	0.5%
	550	5	1.2%
	1112	240	56.2%
	1115	1	0.2%
	1135	4	0.9%
	1621	1	0.2%
	2112	3	0.7%
	2130	2	0.5%
	2658	1	0.2%
	3115	1	0.2%
Overall		427	100.0%
Excluded		0	
Total		427	

Ratio Statistics for Current Land / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
100	1.000	1.173	.221	32.0%
200	.844	1.325	.203	30.2%
300	.997	1.099	.336	45.1%
520	.430	1.000	.000	
530	1.050	1.000	.000	
540	.360	1.482	.765	108.2%
550	.807	1.105	.350	56.9%
1112	1.000	1.052	.146	23.8%
1115	.675	1.000	.000	
1135	.798	1.018	.192	25.8%
1621	.936	1.000	.000	
2112	.858	.847	.175	35.9%
2130	.900	.942	.309	43.7%
2658	1.478	1.000	.000	
3115	.737	1.000	.000	
Overall	1.000	1.145	.185	28.1%