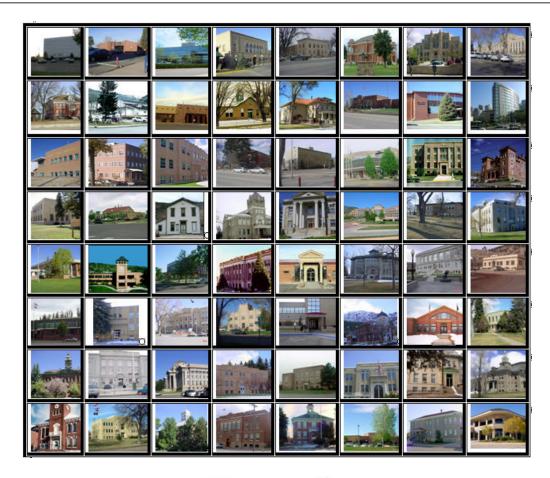


2011 TELLER COUNTY PROPERTY ASSESSMENT STUDY





WILDROSE APPRAISAL INCORPORATED Audit Division



September 15, 2011

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

RE: Final Report for the 2011 Colorado Property Assessment Study

Dear Mr. Mauer:

Wildrose Appraisal Inc.-Audit Division is pleased to submit the Final Reports for the 2011 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. Dulla

Harry J. Fuller Project Manager Wildrose Appraisal Inc. – Audit Division



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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 twopart 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.

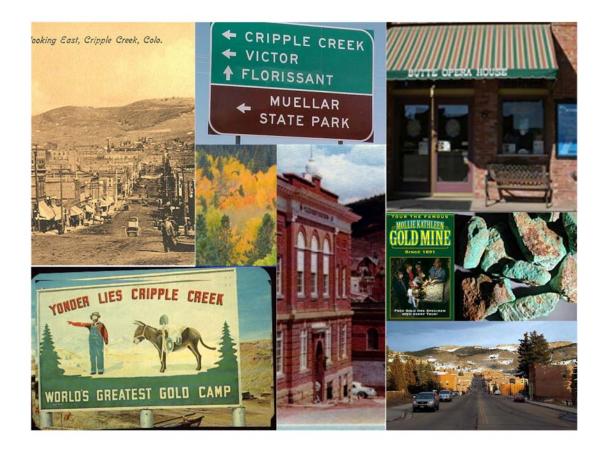
Wildrose Audit has completed the Property Assessment Study for 2011 and is pleased to report its findings for Teller County in the following report.



REGIONAL/HISTORICAL SKETCH OF TELLER COUNTY

Regional Information

Teller County is located in the Central Mountains region of Colorado. The Central Mountains Region is in the central portion of Colorado. It extends from the northern Gilpin county boundary approximately 210 miles southeasterly to the southern boundary of Colorado, including Chaffee, Clear Creek, Custer, Fremont, Gilpin, Huerfano, Lake, Las Animas, Park, and Teller counties.





Historical Information

Teller County has a population of approximately 23,350 people with 41.92 people per square mile, according to the U.S. Census Bureau's 2010 census data. This represents a 13.6 percent change from the 2000 Census.

Teller County was named after United States Senator Henry M. Teller. Teller County was carved from the western slope of Pikes Peak, which had been entirely within El Paso County, in 1899.

The county seat is Cripple Creek. On October 20, 1890, Robert Miller "Bob" Womack discovered a rich ore and the last great Colorado gold rush was on. Thousands of prospectors flocked to the region, and before long W. S. Stratton located the famous Independence lode, one of the largest gold strikes in history. In three years, the population increased from 500 to 10,000. By 1900 Cripple

Creek and its sister city, Victor, were substantial communities.

Through 2005, the Cripple Creek district produced about 23.5 million troy ounces (731 tonnes) of gold. The old underground mines are exhausted, but open pit mining has operated since 1994 east of Cripple Creek, near its sister city of Victor, Colorado.

With many empty storefronts and picturesque homes, Cripple Creek once drew interest as a ghost town. At one point the population dropped to a few hundred, although Cripple Creek was never entirely deserted.

Colorado voters allowed Cripple Creek to establish legalized gambling in 1991 and is currently more of a gambling and tourist town than a ghost town. Casinos now occupy many historic buildings. Casino gambling has been successful in bringing revenue and vitality back into the area. (www.Wikipedia.org)



RATIO ANALYSIS

Methodology

All significant classes of properties were Sales were collected for each analyzed. property class over the appropriate sale period, which was typically defined as the 18-month period between January 2009 and June 2010. Counties with less than 30 sales typically extended the sale period back up to 5 years prior to June 30, 2010 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 Teller County are:

Teller County Ratio Grid						
Property Class	Number of Qualified Sales	Unweighted Median Ratio	Price Related Differential	Coefficient of Dispersion	Time Trend Analysis	
Commercial/Industrial	29	0.962	1.141	17	Compliant	
Condominium	N/A	N/A	N/A	N/A	N/A	
Single Family	536	0.982	1.039	15.7	Compliant	
Vacant Land	145	1.001	1.181	20.2	Compliant	

After applying the above described methodologies, it is concluded from the sales ratios that Teller County is in compliance with SBOE, DPT, and Colorado State Statute valuation guidelines. **Recommendations** None

Random Deed Analysis

An additional analysis was performed as part of the Ratio Analysis. Ten randomly selected deeds with documentary fees were obtained from the Clerk and Recorder. These deeds were for sales that occurred from January 1, 2009 through June 30, 2010. These sales were then checked for inclusion on the Assessor's qualified or unqualified database.

Conclusions

After comparing the list of randomly selected deeds with the Assessor's database, Teller County has accurately transferred sales data from the recorded deeds to the qualified or unqualified database.

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 methodology 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 Teller County has complied with the statutory requirements to analyze the effects of time on value in their county. Teller 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

Teller 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.

All qualified residential and commercial class properties were examined using the unit value method, where the actual value per square foot was compared between sold and unsold properties. A class was considered qualified if it met the criteria for the ratio analysis. The median value per square foot for both groups was compared from an appraisal and statistical perspective. If no significant difference was indicated, then we concluded that no further testing was warranted and that the county was in compliance in terms of sold/unsold consistency.

If either residential or commercial differences were significant using the unit value method, or if data limitations made the comparison invalid, then the next step was to perform a ratio analysis comparing the 2010 and 2011 actual values for each qualified class of property. All qualified vacant land classes were tested using this method. The sale property ratios were arrayed using a range of 0.8 to 1.5, which theoretically excluded changes between years that were due to other unrelated changes in the property. These ratios were also stratified at the appropriate level of analysis. Once the percent change was determined for each appropriate class and sub-class, the next step was to select the unsold sample. This sample

was at least 1% of the total population of unsold properties and excluded any sale properties. The unsold sample was filtered based on the attributes of the sold dataset to closely correlate both groups. The ratio analysis was then performed on the unsold properties and stratified. The median and mean ratio distribution was then compared between the sold and unsold group. A nonparametric test such as the Mann-Whitney test for differences between independent samples was undertaken to determine whether any observed differential was significant. If this test determined that the unsold properties were treated in a manner similar to the sold properties, it was concluded that no further testing was warranted and that the county was in compliance.

If a class or sub-class of property was determined to be significantly different by this method, the final step was to perform a multivariate mass appraisal model that developed ratio statistics from the sold properties that were then applied to the unsold sample. This test compared the measures of central tendency and confidence intervals for the sold properties with the unsold property sample. If this comparison was also determined to be significantly different, then the conclusion was that the county had treated the unsold properties in a different manner than sold properties.

These tests were supported by both tabular and chart presentations, along with saved sold and unsold sample files.



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

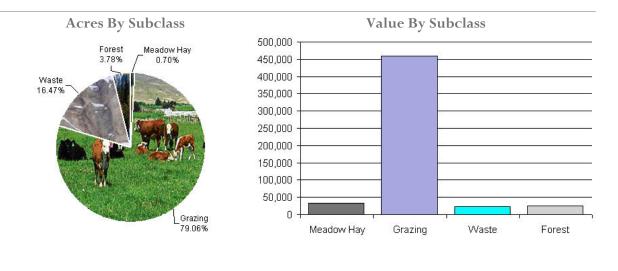
Conclusions

Recommendations

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



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 lands. In addition, county records were reviewed in order to determine if: Aerial 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 any 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:



	Teller County Agricultural Land Ratio Grid						
Abstract Code	Land Class	Number Of Acres	County Value Per Acre 7	County Assessed Total Value	WRA Total Value	Ratio	
4137	Meadow Hay	596	55.00	32,931	32,790	1.00	
4147	Grazing	67,649	7.00	460,032	460,026	1.00	
4177	Forest	3,231	8.00	26,148	26,145	1.00	
4167	Waste	14,094	2.00	22,747	22,747	1.00	
Total/Avg		85,570	6.00	541,858	541,708	1.00	

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

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

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)(1) 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 2011 for Teller County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 34 sales listed as unqualified.

All of the sales in the unqualified sales sample had reasons that were clear and supportable.

Conclusions

Teller County appears to be doing an excellent job of verifying their sales. WRA agreed with the county's reason for disqualifying each of the sales selected in the sample. There are no recommendations or suggestions.

Recommendations



ECONOMIC AREA REVIEW AND EVALUATION

Methodology

Teller County has submitted a written narrative describing the economic areas that make up the county's market areas. Teller 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 Teller 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

None

Producing Mine Valuation Procedures

Methodology

Colorado Revised Statutes (CRS) Article 39, Section 6, and the Assessor's Reference Library (ARL), Volume 3 are the basis for valuing producing mine property. The gross value of the ore extracted during the preceding year is determined. All costs of treatment, reduction, transportation and sale are deducted to estimate gross proceeds. The costs of extraction are deducted from the gross proceeds to estimate net proceeds.

The current value for assessment is determined by determining if 25% of the gross proceeds or 100% of the net proceeds is greater, then applying that number as the valuation for assessment.

Conclusions

The County valued the producing mine production using acceptable appraisal procedures.

Recommendations



VACANT LAND

Subdivision Discounting

Subdivisions were reviewed in 2011 in Teller County. The review showed that subdivisions were discounted pursuant to the Colorado Revised Statutes in Article 39-1-103 (14). Discounting procedures were applied to all subdivisions where less than 80 percent of all sites were sold using the present worth method. The market approach was applied where 80 percent or more of the subdivision sites were sold. An absorption period was estimated for each subdivision that was discounted. An appropriate discount rate was developed using the summation method. Subdivision land with structures was appraised at full market value.

Conclusions

Teller 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 C.R.S. Chapter 39-1-103 (17)(a)(II) 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 granted under lease, permit, license, concession, contract, or other agreement.

Teller 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

Teller 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

Teller 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.

Teller 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
- Chamber of Commerce/Economic Development Contacts
- Local Telephone Directories, Newspapers or Other Local Publications
- Personal Observation, Physical Canvassing or Word of Mouth
- Questionnaires, Letters and/or Phone Calls to Buyer, Seller and/or Realtor

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.

Teller County submitted their personal property written audit plan and was current for the 2011 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
- Accounts with greater than 10% change
- Incomplete or inconsistent declarations
- Accounts with omitted property
- Non-filing Accounts Best Information Available



- Accounts close to the \$5,500 actual value exemption status
- Accounts protested with substantial disagreement

Conclusions

Teller 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

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Steve Kane, Audit Statistician/Field Analyst

Carl W. Ross, Agricultural / Natural Resource Analyst

J. Andrew Rodriguez, Field Analyst



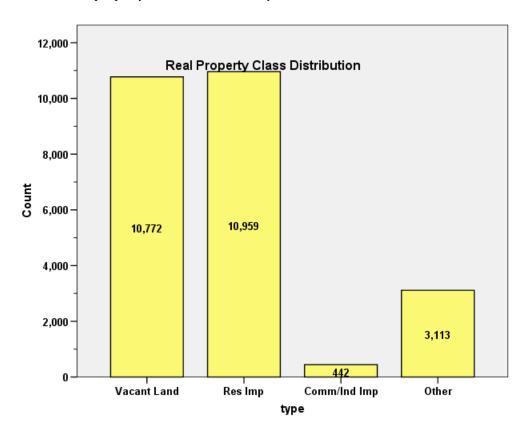
A P P E N D I C E S



STATISTICAL COMPLIANCE REPORT FOR TELLER COUNTY 2011

I. OVERVIEW

Teller County is located in northwestern Colorado. The county has a total of 25,286 real property parcels, according to data submitted by the county assessor's office in 2011. 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 and 1112) accounted for 75% of all vacant land parcels.

For residential improved properties, single family properties accounted for 96% of all residential properties.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial sales accounted for 2% of all such properties in this county.



II. DATA FILES

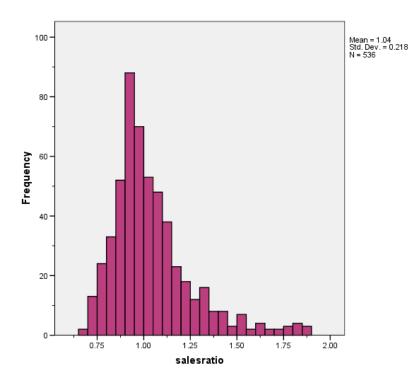
The following sales analyses were based on the requirements of the 2011 Colorado Property Assessment Study. Information was provided by the Teller Assessor's Office in 2011. The data included all 5 property record files as specified by the Auditor.

III. RESIDENTIAL SALES RESULTS

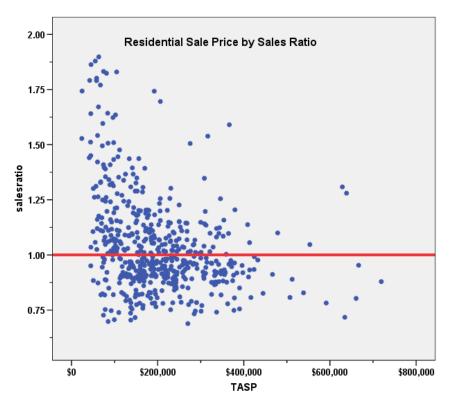
As noted, the assessor provided a separate sales file of the qualified residential sales used by the assessor to determine values; there were **536 qualified residential sales** for the 18-month residential period between January 2009 and June 2010. The sales ratio analysis results were as follows:

Median	0.982
Price Related Differential	1.039
Coefficient of Dispersion	.157

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. No sales were trimmed.

Residential Market Trend Analysis

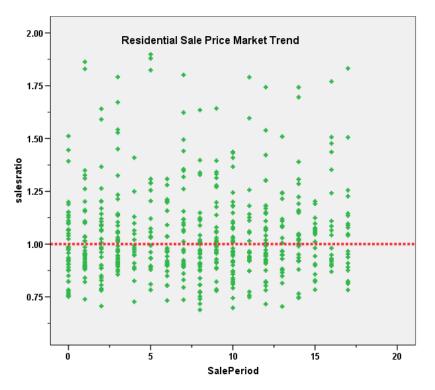
We next analyzed the residential dataset using the 18-month sale period for any residual market trending, with the following results:

_	Coefficients ^a						
ſ	Model		Unstandardize	d Coefficients	Standardized Coefficients		
			В	Std. Error	Beta	t	Sig.
Γ	1	(Constant)	1.029	.017		60.654	.000
		SalePeriod	.001	.002	.035	.803	.422

4 3

a. Dependent Variable: salesratio





With no significant statistical trend evident in the sales ratio data, the above analysis indicated 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 2011 between each group, as follows:

Group	No.	Median	Mean
Unsold	10,003	\$124	\$128
Sold	536	\$131	\$132

The above results indicate that sold and unsold residential properties were valued in a consistent manner.

IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

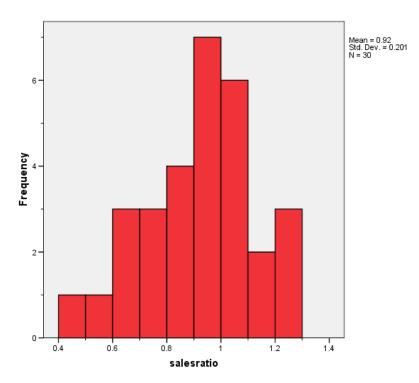
We were provided a separate sale file with sales between July 2005 and June 2010. The commercial/industrial sale file included 30 sales for this period. We trimmed one sale from the dataset, resulting in a total of 29 qualified sales. Because there were fewer than 30 sales for the analysis, one supplemental appraisal of an unsold commercial property was completed to bring the total number of analyzed properties to 30 for the final sales ratio analysis. We used all 30 sold and appraised properties for the ratio analysis, and the 29 sold properties for the market trending and sold/unsold analysis.

The commercial/industrial sales ratio analysis results were as follows:

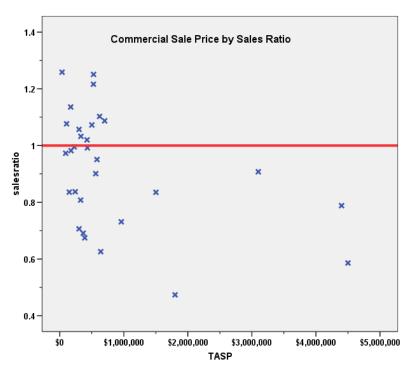


Median	0.962
Price Related Differential	1.141
Coefficient of Dispersion	.170

The above tables indicate that the Teller County commercial/industrial sale ratios were in compliance with the SBOE standards. The following histogram and scatter plot describe the sales ratio distribution further:







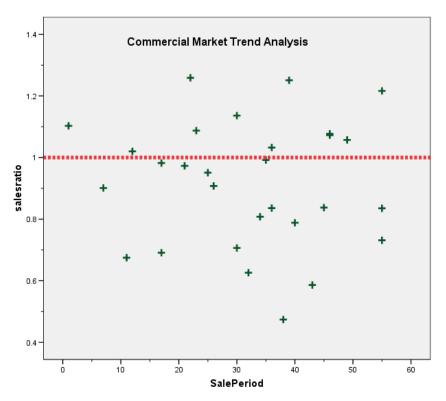
Commercial Market Trend Analysis

The 29 commercial/industrial sales were next analyzed by subclass for any residual market trending, examining the sale ratios across the 60-month sale period with the following results:

	Coefficients ^a						
Model		Unstandardize	d Coefficients	Standardized Coefficients			
		В	Std. Error	Beta	t	Sig.	
1	(Constant)	.939	.094		10.031	.000	
	SalePeriod	001	.003	048	251	.804	

a. Dependent Variable: salesratio





The market trend results indicated no significant residual sales ratio trend in the commercial/industrial data. We therefore concluded that the assessor adequately considered market trending in their valuation of commercial and industrial properties.

Sold/Unsold Analysis

We compared the median change in value per square foot from 2010 to 2011 between sold and unsold commercial properties to determine if the assessor was valuing each group consistently, as follows:

Group	No.	Median Chg Val	Mean Chg Val
Unsold	358	1.00	1.00
Sold	29	1.00	1.00

Based on the above results, we concluded that the Teller County assessor was valuing sold and unsold commercial properties consistently.

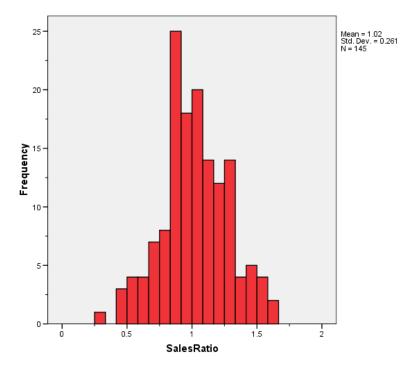


V. VACANT LAND SALE RESULTS

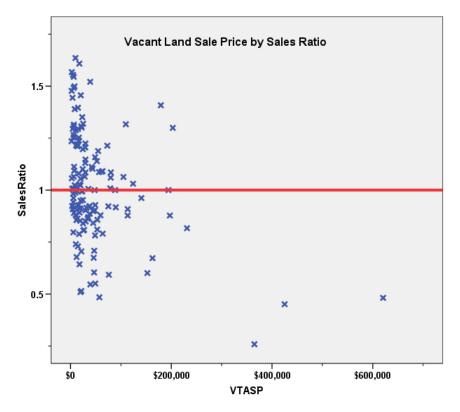
The number of qualified vacant land sales was 145 for the 18 month period prior to June 2010. The sales ratio analysis resulted in the following ratio statistics:

Median	1.001
Price Related Differential	1.181
Coefficient of Dispersion	.202

The above tables indicate that the Teller County vacant land sale ratios were in compliance with the SBOE standards. The following histogram and scatter plot describe the sales ratio distribution further:







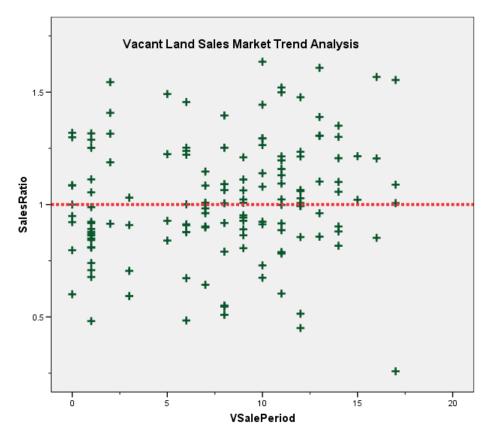
Vacant Land Market Trend Analysis

The assessor did not apply any market trend adjustments to the vacant land dataset. The 145 vacant land sales were analyzed, examining the sale ratios across the 18-month sale period with the following results:

Coefficients ^a									
Model		Unstandardize	d Coefficients	Standardized Coefficients					
		В	Std. Error	Beta	t	Sig.			
1	(Constant)	.954	.041		23.249	.000			
	VSalePeriod	.008	.004	.156	1.891	.061			

a. Dependent Variable: SalesRatio





The market trend results indicated no statistically significant trend. We concur that no market trend adjustments were warranted for properties in this class for Teller County.

Sold/Unsold Analysis

We compared the median change in actual value between 2010 and 2011 for vacant land properties to determine if sold and unsold properties were valued consistently, as follows:

SUBDIVN O	Group	N	Median	Mean
Total	Unsold	10,630	1.00	1.04
	Sold	145	1.00	1.07

The above results indicated that sold and unsold vacant land properties were valued consistently overall.



V. AGRICULTURAL IMPROVEMENTS ANALYSIS

The final statistical verification concerned the assigned actual values for agricultural residential improvements. We compared the actual value per square foot rate for this group and compared it to rates assigned to residential single family improvements in Teller County.

The following indicates that agricultural residential improvements were valued in a manner similar to the single family residential improvements in this county:

		Descri	ptives				
	ABSTRI	MP		Statistic	Std. Error		
ImpValSE	1212	Mean	,	\$100.15	\$.417		
		95% Confidence Interval for Mean	LowerBound	\$99.34			
			Upper Bound	\$100.97			
		5% TrimmedMean		\$98.86			
		Median	Median				
		Variance	Variance				
		Std. Deviation		\$42.818			
		Minimum		\$0			
		Maximum	\$399				
		Range	Range				
		Interguartile Range		\$60			
		Skewness		.520	.024		
		Kurtosis	.806	.048			
	4277	Mean	\$97.96	\$2.771			
		95% Confidence Interval for Mean	LowerBound	\$92.49			
			Upper Bound	\$103.42			
		5% TrimmedMean		\$96.67			
		Median		\$94.32)		
		Variance		1520.083			
		Std. Deviation		\$38.988			
		Minimum	\$19				
		Maximum	\$224				
		Range	\$205				
		Interquartile Range	\$54				
		Skewness		.532	.17		
		Kurtosis		.162	.34		

VI. CONCLUSIONS

Based on this statistical analysis, there were no significant compliance issues concluded for Teller County as of the date of this report.



STATISTICAL ABSTRACT

Residential

Ratio Statistics for CURRTOT / TASP

	95% Confiden Me			95% Confidence Interval for Median			95% Confidence Interval for Weighted 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
1.041	1.022	1.059	.982	.967	1.011	95.8%	1.002	.986	1.018	1.039	.157	20.9%

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.

Commercial/Industrial

Ratio Statistics for CURRTOT / TASP

	95% Confiden Me	ice Interval for an		95% Con	fidence Interval fo	or Median		95% Confiden Weighte	ce Interval for d 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
.920	.845	.995	.962	.835	1.033	95.7%	.806	.698	.915	1.141	.170	21.8%

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.

<u>Vacant Land</u>

Ratio Statistics for CURRLND / VTASP

	95% Confiden Me			95% Confidence Interval for Median			95% Confidence Interval for Weighted 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
1.020	.977	1.063	1.001	.949	1.057	95.4%	.864	.746	.982	1.181	.202	25.6%

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	2	.4%
	\$25K to \$50K	9	1.7%
	\$50K to \$100K	85	15.9%
	\$100K to \$150K	95	17.7%
	\$150K to \$200K	114	21.3%
	\$200K to \$300K	139	25.9%
	\$300K to \$500K	81	15.1%
	\$500K to \$750K	11	2.1%
Overall		536	100.0%
Excluded	ł	0	
Total		536	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
LT \$25K	1.636	.999	.066	9.3%
\$25K to \$50K	1.450	1.004	.174	22.7%
\$50K to \$100K	1.149	1.010	.203	26.1%
\$100K to \$150K	1.021	1.006	.158	20.7%
\$150K to \$200K	.968	1.001	.122	16.8%
\$200K to \$300K	.967	1.002	.100	14.4%
\$300K to \$500K	.932	1.002	.111	17.0%
\$500K to \$750K	.879	.997	.159	23.5%
Overall	.982	1.039	.157	23.0%



Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	1212	526	98.1%
	1215	1	.2%
	1230	7	1.3%
	2746	2	.4%
Overall		536	100.0%
Excluded		0	
Total		536	

Ratio Statistics for CURRTOT / TASP

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
1212	.985	1.041	.156	22.9%
1215	.966	1.000	.000	.%
1230	.824	1.022	.166	23.6%
2746	.766	.988	.024	3.4%
Overall	.982	1.039	.157	23.0%

Age

Case Processing Summary

		Count	Percent
AgeRec	Over 100	22	4.1%
	75 to 100	4	.7%
	50 to 75	12	2.2%
	25 to 50	154	28.7%
	5 to 25	296	55.2%
	5 or Newer	48	9.0%
Overall		536	100.0%
Excluded		0	
Total		536	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
Over 100	.983	1.075	.208	30.8%
75 to 100	.821	1.009	.158	21.5%
50 to 75	1.168	1.031	.132	19.2%
25 to 50	.971	1.038	.154	22.6%
5 to 25	.992	1.045	.160	23.3%
5 or Newer	.973	.996	.090	11.8%
Overall	.982	1.039	.157	23.0%



Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	LE 500 sf	9	1.7%
	500 to 1,000 sf	85	15.9%
	1,000 to 1,500 sf	169	31.5%
	1,500 to 2,000 sf	166	31.0%
	2,000 to 3,000 sf	78	14.6%
	3,000 sf or Higher	29	5.4%
Overall		536	100.0%
Excluded		0	
Total		536	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
LE 500 sf	1.161	1.088	.202	25.2%
500 to 1,000 sf	.990	1.054	.176	26.1%
1,000 to 1,500 sf	.987	1.056	.177	25.5%
1,500 to 2,000 sf	.974	1.033	.122	18.6%
2,000 to 3,000 sf	.976	1.025	.161	23.2%
3,000 sf or Higher	.993	.973	.134	16.7%
Overall	.982	1.039	.157	23.0%



Commercial Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	\$25K to \$50K	1	3.4%
	\$50K to \$100K	1	3.4%
	\$100K to \$150K	2	6.9%
	\$150K to \$200K	2	6.9%
	\$200K to \$300K	3	10.3%
	\$300K to \$500K	7	24.1%
	\$500K to \$750K	7	24.1%
	\$750K to \$1,000K	1	3.4%
	Over \$1,000K	5	17.2%
Overall		29	100.0%
Excluded	1	0	
Total		29	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
\$25K to \$50K	1.259	1.000	.000	.%
\$50K to \$100K	.973	1.000	.000	.%
\$100K to \$150K	.956	1.021	.126	17.8%
\$150K to \$200K	1.059	1.001	.073	10.3%
\$200K to \$300K	.837	.998	.140	21.6%
\$300K to \$500K	.992	.988	.137	19.9%
\$500K to \$750K	1.087	1.008	.143	20.9%
\$750K to \$1,000K	.731	1.000	.000	.%
Over \$1,000K	.788	.997	.173	25.1%
Overall	.951	1.140	.176	21.7%



Sale Price

Case Processing Summary

		Count	Percent
SPRec	\$25K to \$50K	1	3.3%
	\$50K to \$100K	1	3.3%
	\$100K to \$150K	2	6.7%
	\$150K to \$200K	2	6.7%
	\$200K to \$300K	4	13.3%
	\$300K to \$500K	7	23.3%
	\$500K to \$750K	7	23.3%
	\$750K to \$1,000K	1	3.3%
	Over \$1,000K	5	16.7%
Overall		30	100.0%
Excluded	l	357	
Total		387	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
\$25K to \$50K	1.259	1.000	.000	.%
\$50K to \$100K	.973	1.000	.000	.%
\$100K to \$150K	.956	1.021	.126	17.8%
\$150K to \$200K	1.059	1.001	.073	10.3%
\$200K to \$300K	.916	1.004	.139	17.4%
\$300K to \$500K	.992	.988	.137	19.9%
\$500K to \$750K	1.087	1.008	.143	20.9%
\$750K to \$1,000K	.731	1.000	.000	.%
Over \$1,000K	.788	.997	.173	25.1%
Overall	.962	1.141	.170	21.3%



SubClass

Case Processing Summary				
		Count	Percent	
ABSTRIMP	1212	1	3.3%	
	2212	5	16.7%	
	2215	2	6.7%	
	2216	1	3.3%	
	2220	8	26.7%	
	2221	1	3.3%	
	2223	1	3.3%	
	2228	1	3.3%	
	2230	7	23.3%	
	2235	1	3.3%	
	2240	1	3.3%	
	3212	1	3.3%	
Overall		30	100.0%	
Excluded		357		
Total		387		

Group					fficient of riation
	Median	Price Related Differential	Coefficient of Dispersion		edian Intered
1212	.836	1.000	.000	.%	
2212	.973	1.411	.196		30.3%
2215	.848	1.012	.070		10.0%
2216	1.087	1.000	.000	.%	
2220	1.012	1.029	.138		19.3%
2221	.835	1.000	.000	.%	
2223	.837	1.000	.000	.%	
2228	1.073	1.000	.000	.%	
2230	.901	1.035	.148		18.9%
2235	1.259	1.000	.000	.%	
2240	1.216	1.000	.000	.%	
3212	.586	1.000	.000	.%	
Overall	.962	1.141	.170		21.3%



Vacant Land Median Ratio Stratification

Case Processing Summary				
		Count	Percent	
ABSTRLND	100	98	67.6%	
	510	1	.7%	
	520	9	6.2%	
	530	11	7.6%	
	540	12	8.3%	
	550	9	6.2%	
	1113	2	1.4%	
	2120	1	.7%	
	2130	2	1.4%	
Overall		145	100.0%	
Excluded		0		
Total		145		

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
100	1.007	1.031	.183	24.0%
510	1.253	1.000	.000	.%
520	.952	1.110	.311	40.3%
530	1.084	1.087	.162	21.6%
540	.961	1.047	.159	22.9%
550	.908	1.028	.233	31.5%
1113	1.239	1.213	.193	27.2%
2120	.482	1.000	.000	.%
2130	.355	.980	.271	38.3%
Overall	1.001	1.181	.202	26.2%