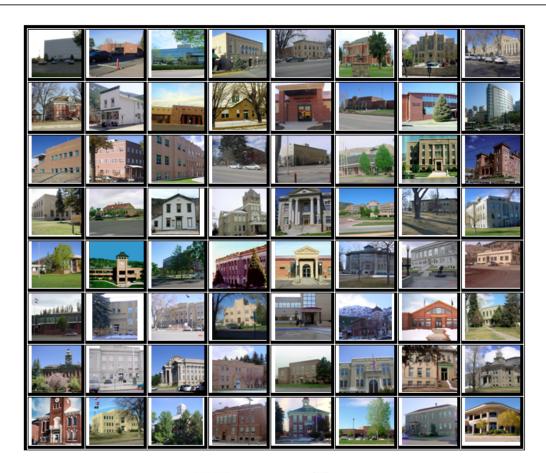


2010 OURAY COUNTY PROPERTY ASSESSMENT STUDY





WILDROSE Appraisal Incorporated Audit Division



September 15, 2010

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

RE: Final Report for the 2010 Colorado Property Assessment Study

Dear Mr. Mauer:

Wildrose Appraisal Inc.-Audit Division is pleased to submit the Final Reports for the 2010 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 2010 and is pleased to report its findings for Ouray County in the following report.



REGIONAL/HISTORICAL SKETCH OF OURAY COUNTY

Regional Information

Ouray County is located in the Western Slope region of Colorado. The Western Slope of Colorado refers to the region west of the Rocky Mountains. It includes Archuleta, Delta, Dolores, Eagle, Garfield, Grand, Gunnison, Hinsdale, Jackson, La Plata, Mesa, Moffat, Montezuma, Montrose, Ouray, Pitkin, Rio Blanco, Routt, San Juan, San Miguel, and Summit counties.





Historical Information

Ouray County has a population of approximately 4,602 people with 6.9 people per square mile, according to the U.S. Census Bureau's 2009 estimated population data.

Ouray County lies in the southwestern corner of Colorado in the heart of the San Juan mountains. Ouray County's landscape is dominated by mountain peaks with 12 peaks 13,000 ft or higher.

Ouray County was formed out of San Juan County on 18 January 1877, the first county designated by the newly formed Colorado State Legislature. It was named for Chief Ouray, a distinguished Ute Indian chief. Ouray was designated county seat on 8 March 1877. On 19 February 1881, Dolores County was formed out of Ouray County.

On February 27, 1883, Ouray County was split into San Miguel County and what is currently Ouray County. The portion that became San Miguel County almost retained the name Ouray County when the Colorado General Assembly initially renamed Ouray County as Uncompaghre County. Four days later on March 2nd, the General Assembly changed its mind and changed the name of Uncompaghre County back to Ouray County. The county covers 542 square miles.. Two municipalities lie within the county, the city of Ouray and the town of Ridgway. During the late 19th and early 20th centuries the primary industries in the county were mining and agriculture. With the decline of the mining industry, tourism increased with many drawn to Ouray County for its natural beauty and variety of outdoor activities.

The county seat is the city of Ouray which was originally established by miners chasing silver and gold in the surrounding mountains. The town at one time boasted more horses and mules than people. Prospectors arrived in the area in 1875 searching for silver and gold. At the height of the mining, Ouray had more than 30 active mines.

Today, the entirety of Main St. is registered as a National Historic District with most of the buildings dating back to the late nineteenth century. The Beaumont Hotel and the Ouray City Hall and Walsh Library are listed on the National Register of Historic Places individually, the Ouray while County Courthouse, St. Elmo Hotel, St. Joseph's Miners' Hospital (currently housing the Ouray County Historical Society and Museum), Western Hotel, and Wright's Opera House are included in historic district. the (www.Wikipedia.org, ouraycountyco.gov)



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 2007 and June 2008. Counties with less than 30 sales typically extended the sale period back up to 5 years prior to June 30, 2008 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 Ouray County are:

Ouray County Ratio Grid					
Property Class	Number of Qualified Sales	Unweighted Median Ratio	Price Related Differential	Coefficient of Dispersion	Time Trend Analysis
Commercial/Industrial	13	0.996	1.073	9.6	Compliant
Condominium	N/A	N/A	N/A	N/A	N/A
Single Family	115	0.972	1.022	6.3	Compliant
Vacant Land	120	0.953	1.021	9.6	Compliant

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

Assessor's qualified or unqualified database.

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, 2007 through June 30, 2008. These sales were then checked for inclusion on the	Conclusions After comparing the list of randomly selected deeds with the Assessor's database, Ouray 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 Ouray County has complied with the statutory requirements to analyze the effects of time on value in their county. Ouray 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

Ouray 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 2009 and 2010 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 R	esults
Property Class	Results
*Commercial/Industrial	N/A
Condominium	N/A
Single Family	Compliant
Vacant Land	Compliant

With only 13 qualified commercial sales, a valid sold/unsold comparison analysis was not possible

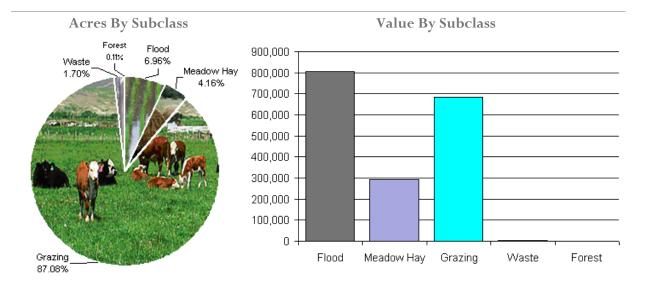
Conclusions

Recommendations

After applying the above described methodologies, it is concluded that Ouray 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 developed any locally 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:



	Ouray County Agricultural Land Ratio Grid						
Abstract Code	Land Class	Number Of Acres	County Value Per Acre	County Assessed Fotal Value	WRA Total Value	Ratio	
4117	Flood	9,215	87.61	807,311	814,159	0.99	
4137	Meadow Hay	5,506	52.97	291,633	291,633	1.00	
4147	Grazing	115,352	5.94	685,291	685,291	1.00	
4177	Forest	143	2.24	321	321	1.00	
4167	Waste	2,249	1.62	3,632	3,632	1.00	
Total/Avg		132,465	13.50	1,788,188	1,795,036	1.00	

Recommendations



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

Ouray 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 2010 for Ouray County. This study was conducted by checking selected sales from the master sales list for the Jan 1, 2007 -June 30, 2008 valuation period. Specifically WRA selected 30 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 documentation.

Conclusions

Ouray County appears to be doing a good job of verifying their sales. There are no recommendations.

Recommendations



ECONOMIC AREA REVIEW AND EVALUATION

Methodology

Ouray County has submitted a written narrative describing the economic areas that make up the county's market areas. Ouray 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 Ouray 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 2010 in Ouray 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 was 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

Ouray 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.

Ouray 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

Ouray 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

Ouray 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 levels of such property. This sample was 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.

Ouray 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
- MLS Listing and/or Sold Books
- 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
- Internet

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.

Ouray County submitted their personal property written audit plan and was current for the 2010 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:

- Businesses in a selected area
- Accounts with obvious discrepancies
- New businesses filing for the first time
- Incomplete or inconsistent declarations
- Accounts with omitted property
- Same business type or use



- Businesses with no deletions or additions for 2 or more years
- Non-filing Accounts Best Information Available
- Accounts close to the \$4,000 actual value exemption status
- Accounts protested with substantial disagreement

Conclusions

Ouray 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/Field Analyst

 $Carl \ W. \ Ross, \ Agricultural / Natural \ Resource \ Analyst$

J. Andrew Rodriguez, Field Analyst



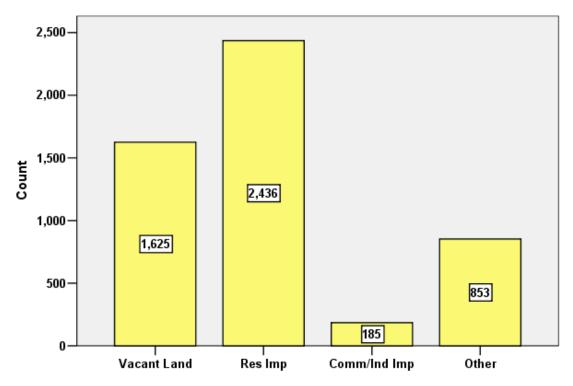
A P P E N D I C E S



STATISTICAL RESULTS FOR OURAY COUNTY 2010

I. OVERVIEW

Ouray County is located in southwestern Colorado. The county has a total of 5,099 real property parcels, according to data submitted by the county assessor's office in 2010. The following provides a breakdown of property classes for this county:



Real Property Class Distribution

The vacant land class of properties was dominated by residential land. Residential lots (coded 100 and 1112) accounted for 58% of all vacant land parcels.

For residential improved properties, single family properties accounted for 89% of all residential properties.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial sales accounted for 3.6% of all such properties in this county.



II. DATA FILES

The following sales analyses were based on the requirements of the 2010 Colorado Property Assessment Study. Information was provided by the Ouray Assessor's Office in May 2010. The data included all 5 property record files as specified by the Auditor.

III. RESIDENTIAL SALES RESULTS

The following steps were taken to analyze the residential sales:

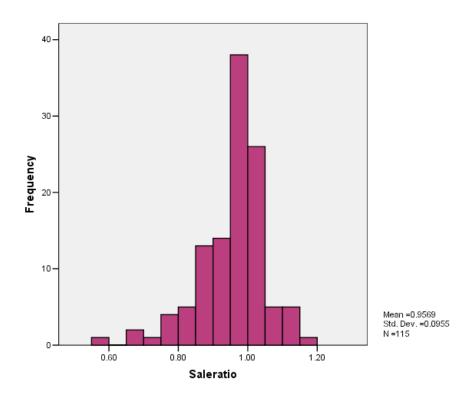
1. Total sales	628
2. Selected qualified sales	397
3. Select improved sales	182
4. Non duplicate sales	182
5. Select residential sales only	169
6. Sales between January 1, 2007 and June 30, 2008	115

The sales ratio analysis was analyzed as follows:

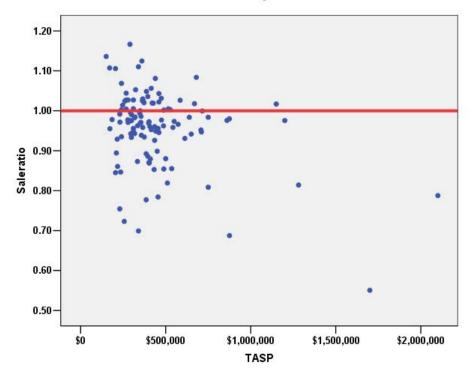
Median	0.972
Price Related Differential	1.022
Coefficient of Dispersion	.063

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:





Residential Sale Price by Sales Ratio





The above graphs indicate that the distribution of the sale ratios was within state mandated limits. No sales were trimmed.

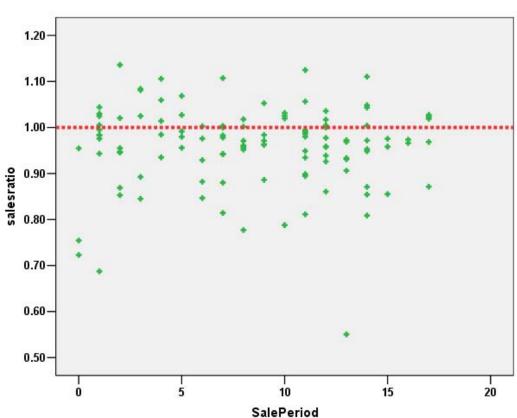
Residential Market Trend Analysis

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

		Unstandardized Coefficients		Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.958	.017		57.230	.000
	SalePeriod	7.03E-005	.002	.004	.041	.967

Coefficients^a

a. Dependent Variable: salesratio



Residential Sale Price Market Trend

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 2010 between each group, as follows:

Group	No.	Median	Mean
Unsold	2,317	\$195	\$203
Sold	115	\$205	\$223

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

IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

The following steps were taken to analyze the commercial sales:

1. Total sales	628
2. Selected qualified sales	397
3. Select improved sales	182
4. Non duplicate sales	182
5. Select commercial/industrial sales only	13

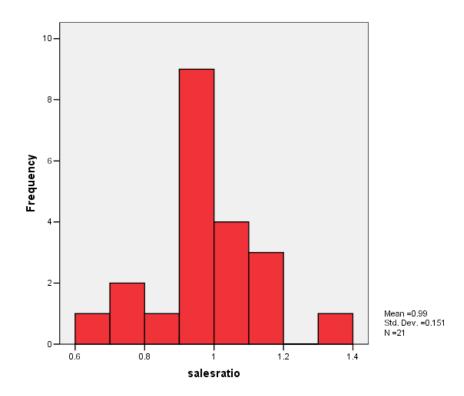
Since there were fewer than 30 sales, we will supplement this analysis with field appraisals. The supplemental appraisals will be used as part of the sales ratio analysis, although the market trend and sold/unsold analysis will use only the 13 sales. With 8 supplemental appraisal values, the total for the ratio analysis was 21 properties.

The sales ratio analysis was analyzed as follows:

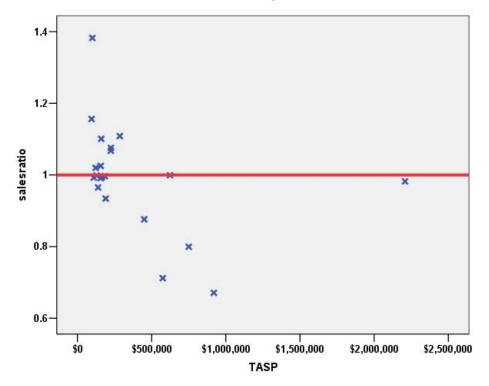
Median	0.996
Price Related Differential	1.073
Coefficient of Dispersion	.096

The above tables indicate that the Ouray 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 Sale Price by Sales Ratio





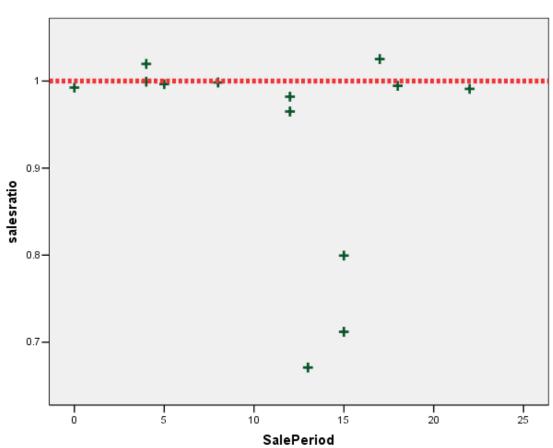
Commercial Market Trend Analysis

The assessor did not apply any market trend adjustment to the commercial dataset. The 13 commercial/industrial sales were analyzed, examining the sale ratios across a 24-month sale period with the following results:

	Coemclents							
		Unstandardized Coefficients		Standardized Coefficients				
Model		В	Std. Error	Beta	t	Sig.		
1	(Constant)	.990	.070		14.230	.000		
	SalePeriod	005	.005	267	920	.377		

Coefficients^a

a. Dependent Variable: salesratio



Commercial Market Trend Analysis

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



Sold/Unsold Analysis

With only 13 qualified commercial sales, a valid sold/unsold comparison analysis was not possible.

V. VACANT LAND SALE RESULTS

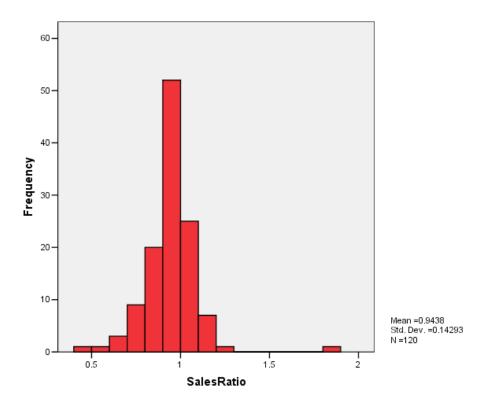
The following steps were taken to analyze vacant land sales:

	(20)
1. Total sales	628
2. Selected qualified sales	397
3. Select vacant sales	197
4. Non duplicate sales	197
5. Select non-agricultural sales	195
6. Sales between January 1, 2007 and June 30, 2008	120

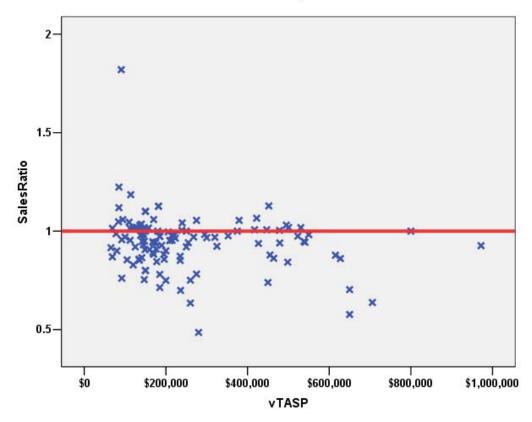
The sales ratio analysis was analyzed as follows:

Median	0.953
Price Related Differential	1.021
Coefficient of Dispersion	.096

The above tables indicate that the Ouray 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 Sale Price by Sales Ratio

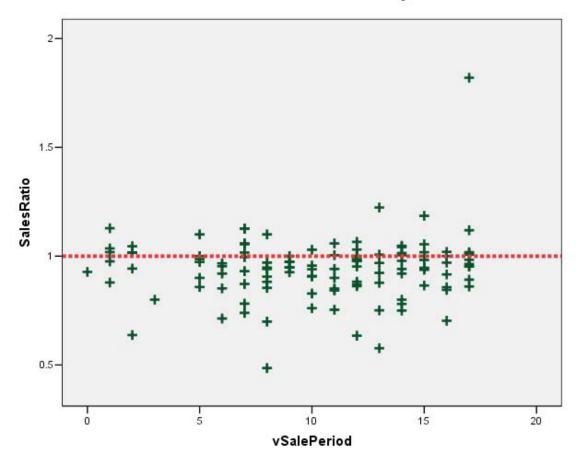
Vacant Land Market Trend Analysis

The assessor did not apply any market trend adjustment to the vacant land dataset. The 120 vacant land sales were analyzed, examining the sale ratios across the 18 month sale period with the following results:

		Unstandardized Coefficients		Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.919	.032		28.729	.000
	vSalePeriod	.002	.003	.078	.854	.395

a. Dependent Variable: SalesRatio





Vacant Land Sales Market Trend Analysis

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

Sold/Unsold Analysis

We compared the median change in actual value between 2008 and 2010 for vacant land properties to determine if sold and unsold properties were valued consistently, as follows:

Group	Ν	Median
Unsold	1,525	1.05
Sold	105	1.04

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 Ouray County.

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

	Abstrimp			Statistic	Std. Error
ImpVaISF	1212	Mean		\$119.84	\$.868
		95% Confidence	Lower Bound	\$118.14	
		Interval for Mean	Upper Bound	\$121.54	
		5% Trimmed Mean		\$110.19	
		Median		\$118.17	
		Variance		1622.102	
		Std. Deviation		\$40.275	
		Minimum		\$0	
		Maximum		\$417	
		Range		\$417	
		Interquartile Range		\$44	
		Skewness		.725	.053
		Kurtosis		4.230	.105
	4277	Mean		\$123.75	\$4.727
		95% Confidence	Lower Bound	\$114.43	
		Interval for Mean	Upper Bound	\$133.06	
		5% Trimmed Mean		\$110.53	
		Median		\$117.47	
		Variance		4938.150	
		Std. Deviation		\$70.272	
		Minimum		\$5	
		Maximum		\$654	
		Range		\$649	
		Interquartile Range		\$59	
		Skewness		2.942	.164
		Kurtosis		17.951	.326

Descriptives

VI. Conclusions

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



STATISTICAL ABSTRACT

Residential

Ratio Statistics for CURRTOT / TASP

Mean		.959
95% Confidence Interval	Lower Bound	.942
for Mean	Upper Bound	.975
Median		.972
95% Confidence Interval	Lower Bound	.958
for Median	Upper Bound	.983
	Actual Coverage	96.0%
Weighted Mean		.938
95% Confidence Interval	Lower Bound	.905
for Weighted Mean	Upper Bound	.970
Price Related Differential		1.022
Coefficient of Dispersion		.063
Coefficient of Variation	Mean Centered	9.3%

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.

Commercial/Industrial

Ratio Statistics for CURRTOT / TASP

Mean		.993
95% Confidence Interval	Lower Bound	.924
for Mean	Upper Bound	1.061
Median		.996
95% Confidence Interval	Lower Bound	.965
for Median	Upper Bound	1.068
	Actual Coverage	97.3%
Weighted Mean		.925
95% Confidence Interval	Lower Bound	.838
for Weighted Mean	Upper Bound	1.012
Price Related Differential		1.073
Coefficient of Dispersion		.096
Coefficient of Variation	Mean Centered	15.2%

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

Mean .876 95% Confidence Interval Lower Bound .841 for Mean Upper Bound .911 Median .900 95% Confidence Interval .854 Lower Bound for Median Upper Bound .940 Actual Coverage 96.3% Weighted Mean .837 95% Confidence Interval Lower Bound .804 for Weighted Mean Upper Bound .870 Price Related Differential 1.047 Coefficient of Dispersion .145 Coefficient of Variation Mean Centered 22.4%

Ratio Statistics for CURRLND / vTASP

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	\$100K to \$150K	1	.9%
	\$150K to \$200K	3	2.6%
	\$200K to \$300K	27	23.5%
	\$300K to \$500K	58	50.4%
	\$500K to \$750K	18	15.7%
	\$750K to \$1,000K	3	2.6%
	Over \$1,000K	5	4.3%
Overall		115	100.0%
Excluded		0	
Total		115	



Ratio Statistics for CURRTOT / TASP

				Coefficient of Variation
		Price Related	Coefficient of	Median
Group	Median	Differential	Dispersion	Centered
\$100K to \$150K	1.136	1.000	.000	
\$150K to \$200K	.978	1.001	.052	9.5%
\$200K to \$300K	.977	.997	.067	9.5%
\$300K to \$500K	.966	1.001	.056	7.3%
\$500K to \$750K	.970	1.001	.041	6.2%
\$750K to \$1,000K	.976	1.001	.100	20.9%
Over \$1,000K	.814	1.031	.161	22.8%
Overall	.972	1.022	.063	9.3%

Subclass

Case Processing Summary

	Count	Percent
PredUse 1212	101	87.8%
1230	14	12.2%
Overall	115	100.0%
Excluded	0	
Total	115	

Ratio Statistics for CURRTOT / TASP

				Coefficient of Variation
Group	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
1212	.973	1.027	.062	9.1%
1230	.952	.996	.069	10.4%
Overall	.972	1.022	.063	9.3%



Age

Case Processing Summary

		Count	Percent
AgeRec	0	1	.9%
	Over 100	11	9.6%
	50 to 75	1	.9%
	25 to 50	14	12.2%
	5 to 25	54	47.0%
	5 or Newer	34	29.6%
Overall		115	100.0%
Excluded		0	
Total		115	

Ratio Statistics for CURRTOT / TASP

				Coefficient of Variation
		Price Related	Coefficient of	Median
Group	Median	Differential	Dispersion	Centered
0	.777	1.000	.000	
Over 100	.978	1.003	.052	7.0%
50 to 75	.847	1.000	.000	
25 to 50	.956	1.008	.070	9.1%
5 to 25	.972	1.041	.061	9.9%
5 or Newer	.974	1.000	.061	8.8%
Overall	.972	1.022	.063	9.3%

Improvement Quality

Case Processing Summary

	Count	Percent
QUAL 0	6	5.3%
2	1	.9%
3	2	1.8%
4	45	39.8%
5	48	42.5%
6	8	7.1%
7	3	2.7%
Overall	113	100.0%
Excluded	2	
Total	115	



				Coefficient of Variation
		Price Related	Coefficient of	Median
Group	Median	Differential	Dispersion	Centered
0	.995	1.005	.058	7.8%
2	.777	1.000	.000	
3	.991	.988	.062	8.8%
4	.958	1.006	.067	8.7%
5	.976	1.008	.047	7.5%
6	.980	1.063	.103	18.4%
7	.814	1.030	.079	14.6%
Overall	.972	1.023	.064	9.4%

Ratio Statistics for CURRTOT / TASP

Vacant Land Median Ratio Stratification

		Count	Percent
VPredUse	100	54	45.0%
	200	2	1.7%
	400	23	19.2%
	530	1	.8%
	540	1	.8%
	550	12	10.0%
	1212	26	21.7%
	2212	1	.8%
Overall		120	100.0%
Excluded		0	
Total		120	

Case Processing Summary



				Coefficient of Variation
		Price Related	Coefficient of	Median
Group	Median	Differential	Dispersion	Centered
100	.947	1.050	.125	19.8%
200	.981	1.003	.005	.8%
400	.808.	1.005	.092	13.8%
530	1.000	1.000	.000	
540	.892	1.000	.000	
550	.823	1.056	.129	18.0%
1212	.934	1.009	.089	11.8%
2212	.751	1.000	.000	
Overall	.903	1.050	.130	18.1%

Ratio Statistics for CURRLND / vTASP