

2021 GUNNISON COUNTY PROPERTY ASSESSMENT STUDY







September 15, 2021

Ms. Natalie Mullis Director of Research Colorado Legislative Council Room 029, State Capitol Building Denver, Colorado 80203

RE: Final Report for the 2021 Colorado Property Assessment Study

Dear Ms. Mullis:

Wildrose Appraisal Inc.-Audit Division is pleased to submit the Final Reports for the 2021 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. Dulla

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 discounting procedures. Valuation methodology for vacant land, improved residential properties commercial 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.

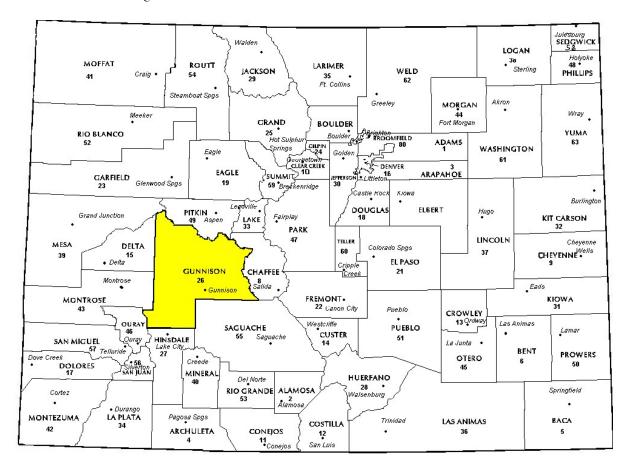
Wildrose Audit has completed the Property Assessment Study for 2021 and is pleased to report its findings for Gunnison County in the following report.



REGIONAL/HISTORICAL SKETCH OF GUNNISON COUNTY

Regional Information

Gunnison 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

Gunnison County has approximately 3,239.1 square miles and an estimated population of approximately 17,462 people with 4.7 people per square mile, according to the U.S. Census Bureau's 2020 estimated census data. This represents a 14.0 percent change from April 1, 2010 to July 1, 2019.

The county was named for John W. Gunnison, a United States Army officer and captain in the Army Topographical Engineers, who surveyed for the transcontinental railroad in 1853. The county seat is the City of Gunnison.

Long before today's residents settled in, Ute Indians roamed the area's valleys and mountains. As early as 1810, fur traders came to the region in search of animal pelts. The 1860's brought placer miners to the rivers and streams. Sylvester Richardson, regarded as the founder of Gunnison, established a colony along the Gunnison River in 1874. Hopes of establishing a farming community were dashed as these early settlers learned the hardships imposed by a 70-day growing season. Ranching

quickly emerged as the agricultural mainstay of the region. Silver brought tens of thousands to the area during the 1870s and 80s and Gunnison developed into a smelting, railroad and supply town. After the turn of the century, coal and cattle ruled the area. Today, Western State College is a major employer, as are the county hospital, City of Gunnison and the recreation industry.

Crested Butte, a former coal mining town now called "the last great Colorado ski town," is a destination for skiing, mountain biking, and a variety of other outdoor activities.

The area has what many consider to be the country's best fly-fishing and big game hunting. Snow sports abound during winter, while warm summer months provide some of the most scenic hiking and camping in the Rockies. Bird watchers will enjoy sighting an American Bald Eagle or Red Tailed Hawk, while botanists will delight at the bloom of summer wildflowers throughout the local mountains. (Wikipedia.org & Visitgunnison.com)



RATIO ANALYSIS

Methodology

All significant classes of property were analyzed. Sales were collected for each property class over the eighteen month period from January 1, 2019 through June 30th, 2020. Property classes with less than thirty sales had the sales period extended in six month increments up to an additional forty-two months. If this extended sales period did not produce the minimum thirty qualified sales, the Audit performed supplemental appraisals to reach the minimum.

Although it was required that we examine the median and coefficient of dispersion for all counties, we also calculated the weighted mean and price-related 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.

All sixty-four counties were examined for compliance on the economic area level. Where there were sufficient sales data, the neighborhood and subdivision levels were tested for compliance. Although counties are determined to be in or out of compliance at the class level, non-compliant economic areas, neighborhoods and subdivisions (where applicable) were discussed with the Assessor.

Data on the individual economic areas, neighborhoods and subdivisions are found in the STATISTICAL APPENDIX.

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		
Residential Condominium	Between .95-1.05	Less than 15.99		
Residential	Between .95-1.05	Less than 15.99		
Vacant Land	Between .95-1.05	Less than 20.99		



The results for Gunnison County are:

Gunnison County Ratio Grid						
Number of Unweighted Price Coefficient Qualified Median Related of Time Tre. Property Class Sales Ratio Differential Dispersion Analy						
Commercial/Industrial	65	1.000	1.096	19	Compliant	
Residential Condo	299	0.995	1.002	9.6	Compliant	
Residential	752	1.000	1.018	10.5	Compliant	
Vacant Land	550	0.990	1.070	18.8	Compliant	

After applying the above described methodologies, it is concluded from the sales ratios that Gunnison 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 Gunnison County has complied with the statutory requirements to analyze the effects of time on value in their county. Gunnison 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

Gunnison 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. The model 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 median is the primary the analysis. 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 Results			
Property Class	Results		
Commercial/Industrial	Compliant		
Residential Condos	Compliant		
Residential	Compliant		
Vacant Land	Compliant		

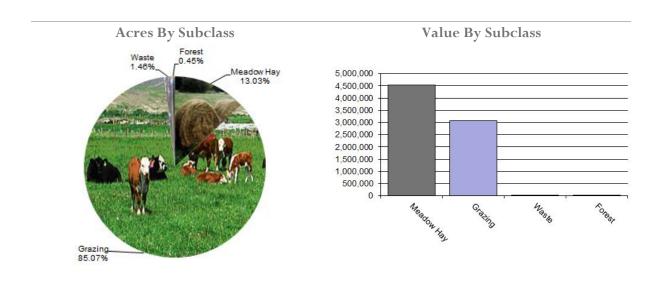
Conclusions

After applying the above described methodologies, it is concluded that Gunnison 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 lands. In addition, county records were 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:



	Gunnison County Agricultural Land Ratio Grid					
Abstract Code	Land Class	Number Of Acres	County Value Per Acre	County Assessed Fotal Value	WRA Total Value	Ratio
4137	Meadow Hay	40,748	111.42	4,540,107	4,540,107	1.00
4147	Grazing	266,038	11.57	3,077,097	3,077,097	1.00
4177	Forest	1,401	2.42	11,155	11,136	1.00
4167	Waste	4,551	2.42	11,005	11,005	1.00
Total/Avg		312,738	24.43	7,639,364	7,639,345	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

Gunnison 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

Gunnison 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

Gunnison 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
- Aerial Photography/Pictometry

Gunnison 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 2021 for Gunnison County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 114 sales listed as unqualified.

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

For residential, commercial, and vacant land sales with considerations over \$100,000, 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.

When less than 50 percent of sales are qualified in any of the three property classes (residential, commercial, and vacant land), the contractor analyzed the reasons for disqualifying sales in any subclass that constitutes at least 20 percent of the class, either by number of properties or by value, from the prior year. The contractor has



reviewed with the assessor any analysis indicating that sales data inadequate, fail to reflect typical properties, or have been disqualified for insufficient cause. In addition, the contractor has reviewed disqualified sales by assigned code. If there appears to be any inconsistency in the coding, the contractor has conducted further analysis determine if the sales included in that code have been assigned appropriately.

If 50 percent or more of the sales are qualified, the contractor has reviewed a statistically significant sample of unqualified sales, excluding sales that were disqualified for obvious reasons.

The following subclasses were analyzed for Gunnison County:

2245 Commercial Condominiums

Conclusions

Gunnison County appears to be doing an adequate 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

Gunnison County has submitted a written narrative describing the economic areas that make up the county's market areas. Gunnison 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 Gunnison 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 Oil and Gas

Methodology

Assessors Reference Library (ARL) Volume 3, Chapter 6: Valuation of Natural Resources

STATUTORY REFERENCES

Section § 39-1-103, C.R.S., specifies that producing oil or gas leaseholds and lands are valued according to article 7 of title 39, C.R.S. Actual value determined - when.

(2) The valuation for assessment of leaseholds and lands producing oil or gas shall be determined as provided in article 7 of this title. § 39-1-103, C.R.S.

Article 7 covers the listing, valuation, and assessment of producing oil and gas leaseholds and lands.

Valuation:

Valuation for assessment.

- (1) Except as provided in subsection (2) of this section, on the basis of the information contained in such statement, the assessor shall value such oil and gas leaseholds and lands for assessment, as real property, at an amount equal to eighty-seven and one-half percent of:
- (a) The selling price of the oil or gas sold there from during the preceding calendar year, after excluding the selling price of all oil or gas delivered to the United States government or any agency thereof, the state of Colorado or any agency thereof, or any political subdivision of the state as royalty during the preceding calendar year;
- (b) The selling price of oil or gas sold in the same field area for oil or gas transported from the premises which is not sold during the preceding calendar year, after excluding the selling price of all oil or gas delivered to the United States government or any agency thereof, the state of Colorado or any agency thereof, or any political subdivision of the state as royalty during the preceding calendar year. § 39-7-102, C.R.S.

Conclusions

The county applied approved appraisal procedures in the valuation of oil and gas.

Recommendations



Producing Mines

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 2021 in Gunnison 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

Gunnison 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 under lease, permit, concession, contract, or other agreement.

Gunnison County has been reviewed for their procedures and adherence to guidelines when assessing and valuing agricultural, commercial and ski area 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

Gunnison 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

Gunnison 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 (SBOE) State Board of Equalization 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 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.

Gunnison 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

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.

Gunnison County submitted their personal property written audit plan and was current for the 2021 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
- Businesses with no deletions or additions for 2 or more years



- Non-filing Accounts Best Information Available
- Accounts close to the \$7,900 actual value exemption status
- Accounts protested with substantial disagreement

Conclusions

Gunnison 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

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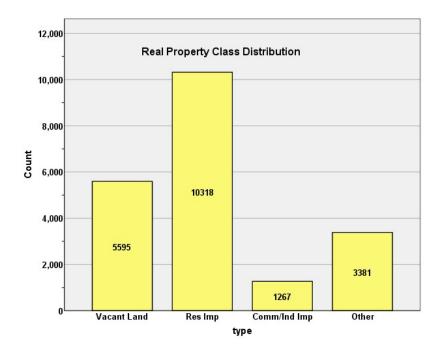
STATISTICAL APPENDIX



STATISTICAL COMPLIANCE REPORT FOR GUNNISON COUNTY 2021

I. OVERVIEW

Gunnison County is a mountain resort located in western Colorado. The county has a total of 20,561 real property parcels, according to data submitted by the county assessor's office in 2021. 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 62.7% of all vacant land parcels.

For residential improved properties, single family properties accounted for 72.3% of all residential properties. Residential condominiums accounted for 23.9% of all residential improved properties. Based on the guidelines for the state audit statistical compliance analysis, we will analyze residential condominiums separately.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial sales accounted 6.2% of all such properties in this county.

II. DATA FILES

The following sales analyses were based on the requirements of the 2021 Colorado Property Assessment Study. The data included all 5 property record files as specified by the Auditor.



III. RESIDENTIAL SALES RESULTS

There were 1,175 qualified residential sales. The sale periods varied by economic area as follows:

Property Type	Sales Period Used
Residential Qualified	24 months (Econ 1)
Sales	36 months (Econ 2, 6 & 8)
	24 months (Econ 1, 2 & 6 condos)
	60 months (Econ 8 condos)

The sales ratios were analyzed as follows:

Residential Non-Condominiums (752 Sales)

Median	1.000
Price Related Differential	1.018
Coefficient of Dispersion	10.5

Residential Condominiums (299 Sales)

Median	0.995
Price Related Differential	1.002
Coefficient of Dispersion	9.6

We next stratified the sale ratio analysis by economic area (EA) and by neighborhoods, the latter with at least 15 sales. Please note that EA 99 represents residential condominiums.

The following are the results of the stratification analysis by economic area:

Case Processing Summary

		Count	Percent
ECONAREA	1	253	24.1%
	2	70	6.7%
	6	254	24.2%
	8	175	16.7%
	99	299	28.4%
Overall		1051	100.0%
Excluded		0	
Total		1051	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion
1	1.006	1.010	.085
2	.996	.995	.074
6	1.003	1.023	.098
8	.994	1.038	.158
99	.995	1.002	.073
Overall	1.000	1.013	.096



The following are the results of the stratification analysis by neighborhoods (with at least 10 sales) for residential non-condominiums:

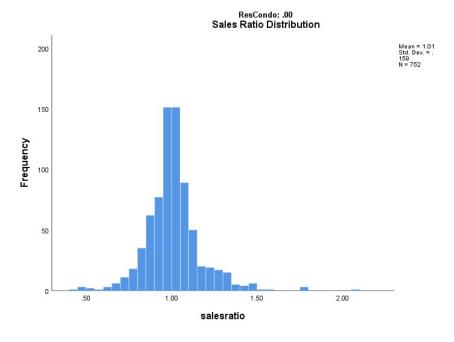
Ratio Statistics for CURRTOT / TASP

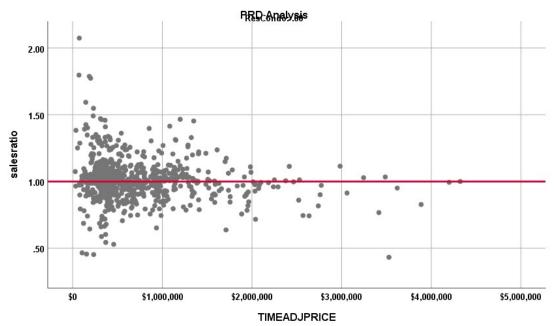
		Price Related	Coefficient of
Group	Median	Differential	Dispersion
111000.00	1.067	1.026	.137
112000.00	1.015	.998	.085
112100.00	.997	1.004	.069
113500.00	1.008	1.001	.053
114000.00	1.017	1.019	.060
117010.00	1.007	1.004	.089
200001.00	1.032	1.030	.087
200003.00	.990	1.015	.056
200004.00	.992	.994	.073
610200.00	1.000	1.010	.088
615000.00	.978	1.045	.122
615005.00	.999	1.011	.083
619000.00	.993	1.052	.148
619200.00	1.006	1.056	.118
810018.00	.965	1.040	.180
810020.00	1.053	1.072	.192
810023.00	.983	1.053	.158
810025.00	1.004	.980	.098
810050.00	1.010	1.013	.136
Overall	1.000	1.024	.107

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:



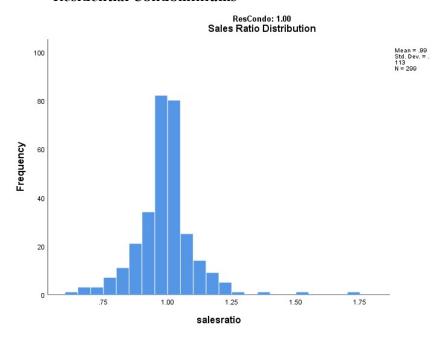
Residential Non-Condominiums

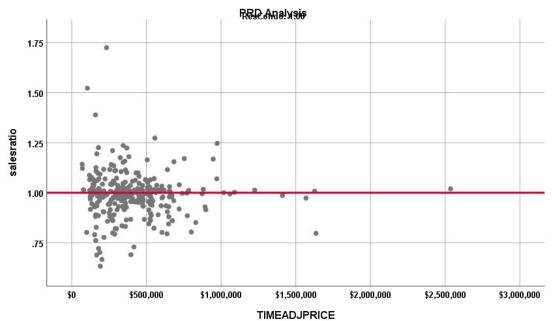






Residential Condominiums



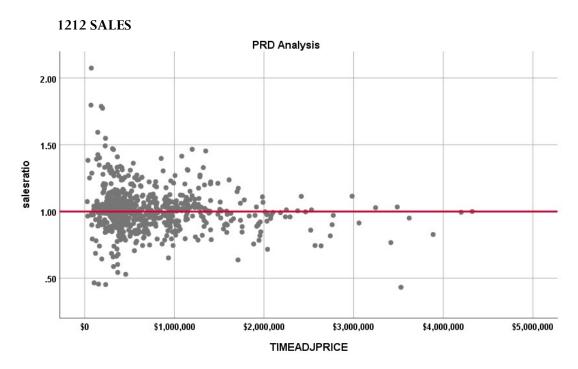


The above graphs indicate that the distribution of the sale ratios was within state mandated limits. The analysis was stratified by residential non-condominiums and residential condominiums. No sales were trimmed.



Subclass 1212 PRD Analysis

We next analyzed residential properties identified as 1112 using the state abstract code system (Gunnison County uses the land code for 1212 properties for their predominant use code). These include single family residences, town homes and purged manufactured homes. The following indicates the distribution of sales ratios across the sale price spectrum:



The Price-Related Differential (PRD) for 1212 sales is 1.018, which is within IAAO standards for the PRD. We also performed a regression analysis between the sales ratio and the assessor's current value to further test for regressivity or progressivity in the residential sales valuation, as follows:

Coefficients^a

		Unstandardized C		Coefficients		
Model		В	Std. Error	Beta	t	Sig.
l (C	(Constant)	1.005	.009		107.998	.000
Cl	CURRTOT	.0000000064	.000	.023	.632	.527
<u>`</u>				.023		

a. Dependent Variable: salesratio

The slope of the line at 0.0000000064 indicates that there is virtually no slope in the regression line, which indicates that sales ratios are similar across the entire sale price array. This indicates no regressivity or progressivity in the residential values assigned by the assessor.

We also stratified the sales ratio analysis by the sale price range, as follows:



Case Processing Summary

		Count	Percent
SPRec	LT \$150K	29	4.0%
	\$150K to \$250K	59	8.1%
	\$250K to \$400K	188	25.8%
	\$400K to \$500K	89	12.2%
	\$500K to \$750K	119	16.3%
	\$750K to \$1000K	91	12.5%
	\$1000K to \$2000K	122	16.7%
	\$2000K to \$3000K	24	3.3%
	\$3000K to \$4000K	7	1.0%
	\$4000K to \$5000K	2	0.3%
Overall		730	100.0%
Excluded		0	
Total		730	

Ratio Statistics for CURRTOT / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
LT \$150K	1.014	1.015	.211	33.5%
\$150K to \$250K	1.003	1.000	.153	24.3%
\$250K to \$400K	1.000	1.003	.097	14.5%
\$400K to \$500K	1.006	.999	.089	12.7%
\$500K to \$750K	.999	1.002	.100	12.8%
\$750K to \$1000K	.998	1.001	.086	11.8%
\$1000K to \$2000K	1.007	1.007	.104	14.3%
\$2000K to \$3000K	.971	1.001	.071	10.9%
\$3000K to \$4000K	.913	1.004	.154	24.1%
\$4000K to \$5000K	.997	1.000	.003	0.4%
Overall	1.000	1.018	.106	16.0%

The above table indicates no regressivity in the sales ratios across sale price categories.

Residential Market Trend Analysis

We next analyzed the residential dataset using the varying sale periods for any residual market trending. We stratified the sales by residential non-condominiums and residential condominiums (0 = residential non-condominiums, 1 = residential condominiums), with the following results:

Coefficients^a

ResCondo	Model		Unstandardiz B	zed Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
.00	1	(Constant)	1.011	.011		91.095	.000
		SalePeriod	-2.232E-5	.001	001	038	.970
1.00	1	(Constant)	.985	.013		75.556	.000
		SalePeriod	.000	.001	.028	.491	.624

a. Dependent Variable: salesratio

^{0 =} Residential non-condominiums, 1 = residential condominiums



The above analysis indicated that the assessor has adequately addressed market trending in the valuation of residential properties (both condominium and non-condominium).

Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold residential properties, we next compared the median change in actual value between valuation year 2018 and valuation year 2020 for sold and unsold residential properties, stratified by residential condominiums and non-condominiums, as follows:

Report DIFF				
ResCondo	sold	N	Median	Mean
UNSOLD	.00	7025	1.1833	1.2791
	1.00	720	1.2033	1.2447
SOLD	.00	2156	1.2592	1.2935
	1.00	299	1 2779	1 3226

We next used the Mann-Whitney test for both sets of properties to determine if sold and unsold properties were valued consistently. The following tests the hypothesis that the distributions were the same for sold and unsold properties, as follows:

Res Non-Condo

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the same across categories of sold.	Independent- Samples Mann- Whitney U Test	.001	Retain the null hypothesis.

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

ResCondo

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the same across categories of sold.	Independent- Samples Mann- Whitney U Test	.044	Retain the null hypothesis.

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



We next stratified this analysis by economic area for residential non-condominiums, with the following results:

Report DIFF

ווום				
ECONAREA	sold	N	Median	Mean
1.00	UNSOLD	2421	1.1875	1.2520
	SOLD	243	1.1943	1.2888
2.00	UNSOLD	671	1.1429	1.2130
	SOLD	49	1.1796	1.2718
6.00	UNSOLD	1619	1.2645	1.4895
	SOLD	253	1.2392	1.2602
8.00	UNSOLD	2252	1.1091	1.1780
	SOLD	175	1.1157	1.1534

Finally, we stratified this analysis by neighborhoods (with at least 10 sales) for residential non-condominiums, with the following results:

Report DIFF

DIFF				
NBHD	sold	N	Median	Mean
111000.00	UNSOLD	546	1.2004	1.2244
	SOLD	34	1.2098	1.2373
112000.00	UNSOLD	170	1.0483	1.0506
	SOLD	17	1.0755	1.0752
112100.00	UNSOLD	75	1.2036	1.5433
	SOLD	29	1.1774	1.1917
113500.00	UNSOLD	57	1.1442	1.2047
	SOLD	12	1.1674	1.2105
114000.00	UNSOLD	65	1.1604	1.1874
	SOLD	9	1.2559	3.0462
117010.00	UNSOLD	78	1.4753	1.6568
	SOLD	14	1.5509	1.6197
200001.00	UNSOLD	233	1.0875	1.1228
	SOLD	15	1.1534	1.3149
200003.00	UNSOLD	82	1.1159	1.3088
	SOLD	14	1.1171	1.1848
200004.00	UNSOLD	134	1.1606	1.2326
	SOLD	12	1.2087	1.2424
610200.00	UNSOLD	345	1.2910	1.4063
	SOLD	66	1.2388	1.2448
615000.00	UNSOLD	215	1.2087	1.2918
	SOLD	32	1.2383	1.2602
615005.00	UNSOLD	38	1.3014	1.2904
	SOLD	28	1.2559	1.2505
619000.00	UNSOLD	93	1.4864	1.6001
	SOLD	12	1.4510	1.4211
619200.00	UNSOLD	56	1.3214	1.9269
	SOLD	13	1.2609	1.2806
810018.00	UNSOLD	272	1.2212	1.2785
	SOLD	17	1.2553	1.3077
810020.00	UNSOLD	126	1.0672	1.0708
	SOLD	10	1.0334	1.0438
810023.00	UNSOLD	175	1.2211	1.2114
	SOLD	15	1.2547	1.2503



810025.00	UNSOLD	72	1.0607	1.1244
	SOLD	10	1.1446	1.1476
810050.00	UNSOLD	250	1.0660	1.0631
	SOLD	48	1.0816	1.0823

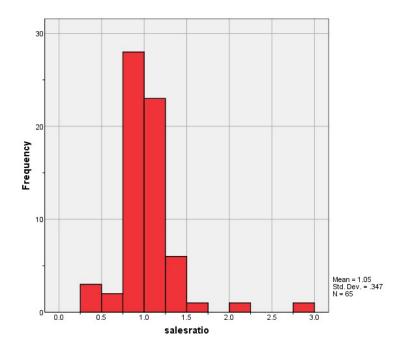
The above results indicate that sold and unsold residential properties were valued in a consistent manner.

IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

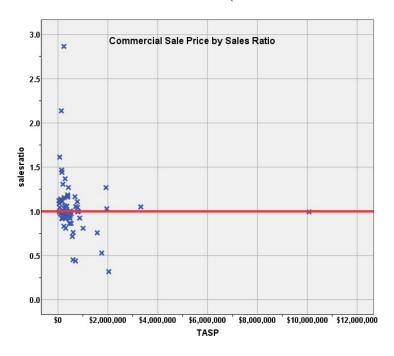
There were 65 qualified commercial/industrial sales. The sale period for this class was 60 months, ending June 30, 2020. The sales ratio analysis was analyzed as follows:

Median	1.000
Price Related Differential	1.096
Coefficient of Dispersion	19.0

The above tables indicate that the Gunnison 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

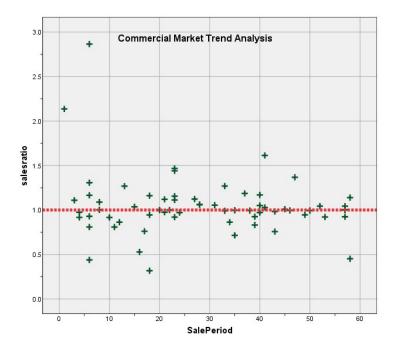
We next analyzed the commercial/industrial sales to determine if there was any residual market trending across the 60 month sale period, with the following results:

Coefficients^a

		Unstandardized		Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	1.139	.084		13.565	.000
	SalePeriod	003	.003	161	-1.291	.201

a. Dependent Variable: salesratio





The market trend results indicated no statistically significant trend. We concur that the assessor has adequately accounted for market trending in Gunnison County.

Sold/Unsold Analysis

We compared the change in the median actual value between valuation year 2018 and valuation year 2020, as follows:

Report	
DIFF	
sold	

sold	N	Median	Mean
UNSOLD	1166	1.0176	1.0973
SOLD	64	1.0019	1.0999

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the same across categories of sold.	Independent- Samples Mann- Whitney U Test	.696	Retain the null hypothesis.

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

We also examined the median change in value stratified by subclass:



Report

DIFF				
ABSTRIMP	sold	N	Median	Mean
2212.00	UNSOLD	70	.8929	.9390
	SOLD	9	.8851	.9256
2215.00	UNSOLD	17	1.0300	1.1794
	SOLD	4	1.1195	1.1510
2220.00	UNSOLD	33	1.0382	1.0218
	SOLD	5	.9073	.8746
2230.00	UNSOLD	103	1.0541	1.1318
	SOLD	9	1.0185	1.2384
2235.00	UNSOLD	52	1.1810	1.1822
	SOLD	7	1.1751	1.1429
2245.00	UNSOLD	609	1.0175	1.0515
	SOLD	24	.9778	1.0795

Based on the above results, we concluded that overall sold commercial properties and unsold properties were valued in a consistent manner.

V. VACANT LAND SALE RESULTS

There were 552 qualified vacant land sales. Using IAAO standards, we excluded two sales for extreme ratios, resulting in a final total of 550 sales. The sale period for this class varied by economic area, as follows:

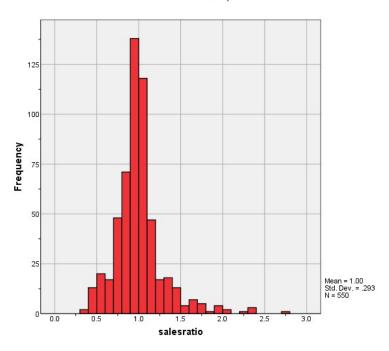
Vacant Land	36 months (Econ 1)
Qualified Sales	60 months (Econ 2)
	24 months (Econ 6)
	60 month (Econ 8 except Arrowhead)
	24 months (Arrowhead LEA only†)

The overall sales ratio analysis was analyzed as follows:

Median	0.990
Price Related Differential	1.070
Coefficient of Dispersion	18.8

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







NOTE: SALES LESS THAN \$1,000,000

Vacant Land Market Trend Analysis

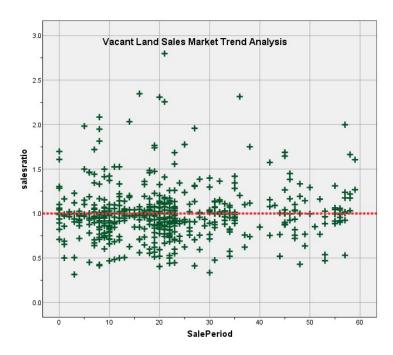
The vacant land sales were analyzed, examining the sale ratios across the sale period with the following results:



Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.976	.023		43.020	.000
	SalePeriod	.001	.001	.049	1.159	.247

a. Dependent Variable: salesratio



The market trend results indicated no statistically significant trend; we concluded that the assessor has adequately addressed market trending for vacant land sales in Gunnison County.

Sold/Unsold Analysis

We compared the median change in actual value between valuation year 2018 and valuation year 2020 for vacant land properties to determine if sold and unsold properties were valued consistently, with the following results:

Report DIFF			
sold	N	Median	Mean
UNSOLD	4010	1.1286	1.1392
SOLD	526	1.1631	1.1792

We next tratified the analysis by subdivisions with 15 or more sales, as follows:



Report

DIFF

SUBDIVNO	sold	N	Median	Mean
50	UNSOLD	125	1.0395	1.0745
	SOLD	16	1.2839	1.2186
51	UNSOLD	148	1.0800	1.0541
	SOLD	21	1.0800	1.1430
52	UNSOLD	181	1.0286	.9894
	SOLD	21	1.0800	1.0110
100	UNSOLD	157	1.5132	1.4451
	SOLD	16	1.4073	1.3304
370	UNSOLD	229	1.2458	1.2025
	SOLD	41	1.2458	1.2511
1030	UNSOLD	186	1.0400	1.0331
	SOLD	34	1.1167	1.1568
5389	UNSOLD	126	1.2951	1.3483
	SOLD	35	1.3893	1.3816
5430	UNSOLD	20	1.2325	1.1786
	SOLD	16	1.1713	1.1636

There was no pattern of the assessor adjusting sold properties by a greater degree than unsold properties for vacant land. We therefore concluded that the assessor has valued sold and unsold vacant land properties consistently.

V. CONCLUSIONS

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



STATISTICAL ABSTRACT

Residential

	Ratio Statistics for CURRTOT / TASP													
		95% Confider Me	ice Interval for ean		95% Cor	95% Confidence Interval for Median			95% Confider Weighte				Coefficient of Variation	
ResCondo	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	
.00	1.010	.999	1.022	1.000	.995	1.006	95.5%	.993	.979	1.006	1.018	.105	15.7%	
1.00	.990	.978	1.003	.995	.987	1.002	95.1%	.988	.975	1.001	1.002	.073	11.4%	

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	ce Interval for an		95% Con	95% Confidence Interval for Median			95% Confiden Weighte				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		
1.046	.960	1.132	1.000	.975	1.044	95.4%	.955	.868	1.042	1.096	.190	33.2%		

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

	Ratio Statistics for CURRLND / TASP													
	95% Confiden Me			95% Confidence Interval for Median				95% Confiden Weighte				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		
.998	.974	1.023	.990	.971	.998	95.5%	.933	.895	.970	1.070	.188	29.3%		

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.



Residential Median Ratio Stratification

Subclass

Case Processing Summary

ResCon	do	Count	Percent	
.00	ABSTRIMP	.00	1	0.1%
		1212.00	726	96.5%
		1215.00	19	2.5%
		1220.00	1	0.1%
		1235.00	2	0.3%
		1240.00	1	0.1%
		1277.00	1	0.1%
		3512.25	1	0.1%
	Overall		752	100.0%
	Excluded		0	
	Total		752	
1.00	ABSTRIMP	1230.00	299	100.0%
	Overall		299	100.0%
	Excluded		0	
	Total		299	

Ratio Statistics for CURRTOT / TASP

ResCondo	Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	.00	1.253	1.000	.000	
	1212.00	1.000	1.018	.105	15.9%
	1215.00	1.006	.981	.058	8.7%
	1220.00	.901	1.000	.000	
	1235.00	1.086	.982	.343	48.5%
	1240.00	1.096	1.000	.000	
	1277.00	.962	1.000	.000	
	3512.25	.665	1.000	.000	
	Overall	1.000	1.018	.105	15.9%
1.00	1230.00	.995	1.002	.073	11.3%
	Overall	.995	1.002	.073	11.3%

Age

ResCondo			Count	Percent
.00	AgeRec	.00	1	0.1%
		75 to 100	12	1.6%
		50 to 75	52	6.9%
		25 to 50	219	29.1%
		5 to 25	357	47.5%
		5 or Newer	111	14.8%
	Overall		752	100.0%
	Excluded		0	
	Total		752	
1.00	AgeRec	50 to 75	4	1.3%



	25 to 50	193	64.5%
	5 to 25	100	33.4%
	5 or Newer	2	0.7%
Overall		299	100.0%
Excluded		0	
Total		299	

ResCondo	Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	.00	1.253	1.000	.000	
	75 to 100	.925	.998	.141	22.5%
	50 to 75	1.031	1.053	.184	28.5%
	25 to 50	1.005	1.032	.117	16.9%
	5 to 25	1.002	1.006	.094	13.1%
	5 or Newer	.997	1.011	.070	10.9%
	Overall	1.000	1.018	.105	15.9%
1.00	50 to 75	.971	1.042	.102	16.1%
	25 to 50	.998	1.005	.069	10.9%
	5 to 25	.986	.995	.081	12.1%
	5 or Newer	.969	1.001	.035	4.9%
	Overall	.995	1.002	.073	11.3%

Improved Area

ResCon	do	Count	Percent	
.00	ImpSFRec	.00	1	0.1%
		LE 500 sf	9	1.2%
		500 to 1,000 sf	93	12.4%
		1,000 to 1,500 sf	202	26.9%
		1,500 to 2,000 sf	164	21.8%
		2,000 to 3,000 sf	193	25.7%
		3,000 sf or Higher	90	12.0%
	Overall		752	100.0%
	Excluded		0	
	Total		752	
1.00	ImpSFRec	LE 500 sf	47	15.7%
		500 to 1,000 sf	109	36.5%
		1,000 to 1,500 sf	107	35.8%
		1,500 to 2,000 sf	28	9.4%
		2,000 to 3,000 sf	7	2.3%
		3,000 sf or Higher	1	0.3%
	Overall		299	100.0%
	Excluded		0	
	Total		299	



			Price Related	Coefficient of	Coefficient of Variation
ResCondo	Group	Median	Differential	Dispersion	Median Centered
.00	.00	1.253	1.000	.000	
	LE 500 sf	.979	1.051	.065	11.1%
	500 to 1,000 sf	.990	1.027	.118	21.5%
	1,000 to 1,500 sf	.995	1.014	.106	15.5%
	1,500 to 2,000 sf	1.018	1.023	.092	14.0%
	2,000 to 3,000 sf	1.007	1.016	.105	15.3%
	3,000 sf or Higher	.992	1.021	.109	14.8%
	Overall	1.000	1.018	.105	15.9%
1.00	LE 500 sf	.958	1.017	.119	16.1%
	500 to 1,000 sf	.993	1.010	.076	12.6%
	1,000 to 1,500 sf	.996	1.007	.058	8.1%
	1,500 to 2,000 sf	.999	1.004	.057	9.3%
	2,000 to 3,000 sf	1.008	.993	.024	3.7%
	3,000 sf or Higher	.998	1.000	.000	
	Overall	.995	1.002	.073	11.3%

Improvement Quality

ResCondo			Count	Percent
.00 QUALITY			1	0.1%
		Average	283	37.6%
		Average Plus	59	7.8%
		Fair	170	22.6%
		Fair Plus	52	6.9%
		Good	133	17.7%
		Good Plus	15	2.0%
		Low	10	1.3%
		Low Plus	5	0.7%
		Poor	3	0.4%
		Very Good	21	2.8%
	Overall		752	100.0%
	Excluded		0	
	Total		752	
1.00	QUALITY	Average	167	55.9%
		Average Plus	1	0.3%
		Fair	64	21.4%
		Fair Plus	2	0.7%
		Good	37	12.4%
		Very Good	28	9.4%
	Overall		299	100.0%
	Excluded		0	
	Total		299	



			Price Related	Coefficient of	Coefficient of Variation
ResCondo	Group	Median	Differential	Dispersion	Median Centered
.00		1.253	1.000	.000	
	Average	1.005	1.008	.091	13.1%
	Average Plus	1.026	1.011	.108	15.0%
	Fair	.994	1.019	.132	21.3%
	Fair Plus	.982	1.008	.090	12.2%
	Good	1.012	1.028	.098	14.1%
	Good Plus	.971	1.065	.147	23.4%
	Low	.974	1.020	.082	12.7%
	Low Plus	.992	1.165	.166	23.8%
	Poor	.974	1.112	.208	37.7%
	Very Good	.994	1.008	.062	9.5%
	Overall	1.000	1.018	.105	15.9%
1.00	Average	.995	1.006	.075	11.4%
	Average Plus	.978	1.000	.000	
	Fair	1.004	1.004	.054	8.4%
	Fair Plus	.986	.999	.015	2.1%
	Good	.974	.992	.095	14.6%
	Very Good	.989	.982	.082	12.5%
	Overall	.995	1.002	.073	11.3%

Improvement Condition

ResCo	ndo		Count	Percent
.00	CONDITION		1	0.1%
		Average	455	60.5%
		Below Average	22	2.9%
		Excellent	119	15.8%
		Good	118	15.7%
		Minimum	1	0.1%
		Salvage	3	0.4%
		Very Good	33	4.4%
	Overall		752	100.0%
	Excluded		0	
	Total		752	
1.00	CONDITION	Average	193	64.5%
		Below Average	1	0.3%
		Excellent	2	0.7%
		Good	95	31.8%
		Very Good	8	2.7%
	Overall		299	100.0%
	Excluded		0	
	Total		299	



ResCondo	Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00		1.253	1.000	.000	
	Average	1.005	1.017	.112	16.7%
	Below Average	.995	.995	.183	27.6%
	Excellent	.997	1.008	.068	10.7%
	Good	.998	1.019	.100	14.3%
	Minimum	1.006	1.000	.000	
	Salvage	.965	1.248	.210	37.5%
	Very Good	.986	1.018	.089	13.4%
	Overall	1.000	1.018	.105	15.9%
1.00	Average	.998	1.006	.071	11.2%
	Below Average	.990	1.000	.000	
	Excellent	.969	1.001	.035	4.9%
	Good	.985	.991	.080	12.0%
	Very Good	1.001	1.003	.059	6.9%
	Overall	.995	1.002	.073	11.3%

Commercial Median Ratio Stratification

Sale Price Case Processing Summary

		Count	Percent
SPRec	\$25K to \$50K	1	1.5%
	\$50K to \$100K	7	10.8%
	\$100K to \$150K	4	6.2%
	\$150K to \$200K	4	6.2%
	\$200K to \$300K	13	20.0%
	\$300K to \$500K	14	21.5%
	\$500K to \$750K	9	13.8%
	\$750K to \$1,000K	5	7.7%
	Over \$1,000K	8	12.3%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
\$25K to \$50K	1.120	1.000	.000	
\$50K to \$100K	1.043	1.003	.118	22.9%
\$100K to \$150K	1.303	1.001	.296	41.9%
\$150K to \$200K	1.210	1.002	.148	19.0%
\$200K to \$300K	.997	1.007	.222	55.7%
\$300K to \$500K	1.001	.999	.103	13.5%
\$500K to \$750K	.863	1.003	.234	30.1%
\$750K to \$1,000K	1.000	1.002	.047	7.0%
Over \$1,000K	.901	.927	.268	34.9%
Overall	1.000	1.096	.190	35.1%



Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	1230.00	2	3.1%
	2212.00	9	13.8%
	2215.00	4	6.2%
	2220.00	5	7.7%
	2225.00	1	1.5%
	2230.00	9	13.8%
	2235.00	7	10.8%
	2240.00	1	1.5%
	2245.00	25	38.5%
	3987.25	1	1.5%
	9239.00	1	1.5%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for CURRTOT / TASP

0	NA 12	Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
1230.00	1.454	1.000	.009	1.3%
2212.00	1.000	1.078	.190	25.7%
2215.00	1.022	1.054	.151	23.1%
2220.00	.945	1.158	.139	26.7%
2225.00	2.136	1.000	.000	
2230.00	.946	1.300	.426	78.5%
2235.00	1.054	1.068	.122	22.8%
2240.00	1.110	1.000	.000	
2245.00	.997	1.032	.091	11.8%
3987.25	1.165	1.000	.000	
9239.00	.995	1.000	.000	
Overall	1.000	1.096	.190	35.1%

Age

		Count	Percent
AgeRec	Over 100	1	1.5%
	75 to 100	2	3.1%
	50 to 75	7	10.8%
	25 to 50	32	49.2%
	5 to 25	19	29.2%
	5 or Newer	4	6.2%
Overall		65	100.0%
Excluded		0	
Total		65	



Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
Over 100	.945	1.000	.000	
75 to 100	.910	.998	.110	15.6%
50 to 75	1.044	1.159	.188	26.4%
25 to 50	1.003	1.077	.226	44.6%
5 to 25	.997	1.048	.135	19.6%
5 or Newer	.945	1.335	.210	39.0%
Overall	1.000	1.096	.190	35.1%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	LE 500 sf	8	12.3%
	500 to 1,000 sf	14	21.5%
	1,000 to 1,500 sf	6	9.2%
	1,500 to 2,000 sf	10	15.4%
	2,000 to 3,000 sf	5	7.7%
	3,000 sf or Higher	22	33.8%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LE 500 sf	1.105	.994	.098	18.3%
500 to 1,000 sf	.973	1.114	.170	26.2%
1,000 to 1,500 sf	.960	.996	.094	13.6%
1,500 to 2,000 sf	.978	1.144	.138	22.5%
2,000 to 3,000 sf	1.000	1.403	.227	38.0%
3,000 sf or Higher	1.053	1.112	.239	47.3%
Overall	1.000	1.096	.190	35.1%

Improvement Quality

	_	•	
		Count	Percent
QUALITY	Average	25	38.5%
	Fair	30	46.2%
	Good	6	9.2%
	Low	4	6.2%
Overall		65	100.0%
Excluded		0	
Total		65	



Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
Average	1.004	1.074	.101	17.3%
Fair	.996	1.114	.247	45.9%
Good	1.067	1.151	.180	24.4%
Low	.967	1.233	.322	49.5%
Overall	1.000	1.096	.190	35.1%

Improvement Condition

Case Processing Summary

		Count	Percent
CONDITION	Average	46	70.8%
	Below Average	9	13.8%
	Excellent	3	4.6%
	Good	3	4.6%
	Minimum	2	3.1%
	Very Good	2	3.1%
Overall		65	100.0%
Excluded		0	
Total		65	

Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
Average	1.001	1.037	.142	31.8%
Below Average	1.063	1.036	.240	39.6%
Excellent	.916	1.070	.079	13.1%
Good	1.441	1.292	.152	31.0%
Minimum	1.033	1.808	.562	79.5%
Very Good	.591	1.411	.462	65.3%
Overall	1.000	1.096	.190	35.1%

Vacant Land Median Ratio Stratification

Sale Price

		Count	Percent
SPRec	LT \$25K	90	16.4%
	\$25K to \$50K	88	16.0%
	\$50K to \$100K	137	24.9%
	\$100K to \$150K	86	15.6%
	\$150K to \$200K	54	9.8%
	\$200K to \$300K	42	7.6%
	\$300K to \$500K	26	4.7%
	\$500K to \$750K	16	2.9%
	\$750K to \$1,000K	2	0.4%
	Over \$1,000K	9	1.6%



Overall	550	100.0%
Excluded	0	
Total	550	

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
LT \$25K	1.039	1.065	.309	47.0%
\$25K to \$50K	1.001	.998	.216	30.0%
\$50K to \$100K	.984	1.001	.166	22.8%
\$100K to \$150K	.945	1.002	.149	20.1%
\$150K to \$200K	.967	1.002	.137	21.0%
\$200K to \$300K	.949	1.000	.122	17.3%
\$300K to \$500K	.986	.995	.151	25.4%
\$500K to \$750K	.998	1.005	.073	11.4%
\$750K to \$1,000K	.967	1.000	.233	33.0%
Over \$1,000K	.893	1.060	.110	18.8%
Overall	.990	1.070	.188	29.6%

Subclass

	Count	Percent
100.00	369	67.1%
200.00	10	1.8%
300.00	4	0.7%
400.00	6	1.1%
520.00	11	2.0%
530.00	9	1.6%
540.00	27	4.9%
550.00	20	3.6%
560.00	3	0.5%
1112.00	84	15.3%
1115.00	3	0.5%
1117.50	1	0.2%
1135.00	1	0.2%
2135.00	1	0.2%
9139.00	1	0.2%
	550	100.0%
	0	
	550	
	200.00 300.00 400.00 520.00 530.00 540.00 560.00 1112.00 1117.50 1135.00 2135.00	100.00 369 200.00 10 300.00 4 400.00 6 520.00 11 530.00 9 540.00 27 550.00 20 560.00 3 1112.00 84 1115.00 3 1117.50 1 1135.00 1 2135.00 1 9139.00 1



		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
100.00	.995	1.061	.182	29.7%
200.00	.929	1.338	.133	20.1%
300.00	1.107	.988	.062	7.4%
400.00	.966	1.068	.222	41.6%
520.00	.671	1.031	.367	53.1%
530.00	.972	1.398	.258	36.7%
540.00	.963	1.097	.248	33.1%
550.00	.942	1.082	.267	36.0%
560.00	1.120	1.006	.305	45.7%
1112.00	.989	1.050	.159	25.9%
1115.00	.917	1.000	.026	4.7%
1117.50	.335	1.000	.000	
1135.00	.993	1.000	.000	
2135.00	.997	1.000	.000	
9139.00	.997	1.000	.000	
Overall	.990	1.070	.188	29.6%