Routt County Northwest Colorado

2021 ROUTT 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.

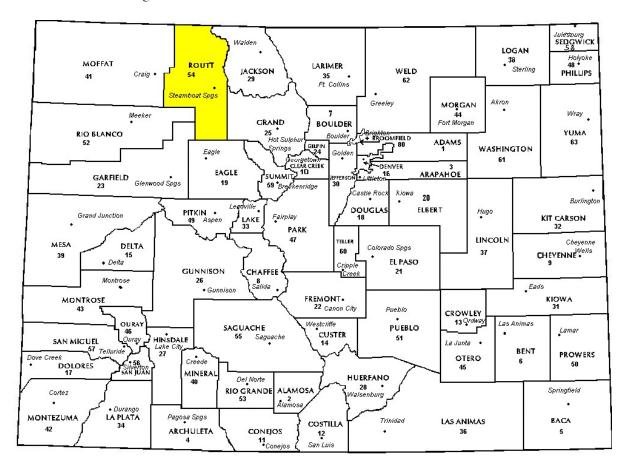
Wildrose Audit has completed the Property Assessment Study for 2021 and is pleased to report its findings for Routt County in the following report.



REGIONAL/HISTORICAL SKETCH OF ROUTT COUNTY

Regional Information

Routt 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

Routt County has approximately 2,362.0 square miles and an estimated population of approximately 25,638 people with 10.0 people per square mile, according to the U.S. Census Bureau's 2020 estimated census data. This represents a 9.1 percent change from April 1, 2010 to July 1, 2019.

Routt County was created out of the western portion of Grand County on January 29, 1877. It was named in honor of John Long Routt, the last territorial and first state governor of Colorado. The western portion of Routt County was split off to form Moffat County on February 27, 1911.

Routt County is a diverse environment offering breathtaking mountain vistas and picturesque ranch lands. Communities located in Routt County include Clark, Hahns Peak, Milner, Phippsburg, and Toponas, the towns of Hayden, Oak Creek and Yampa, and the city of Steamboat Springs.

About 50% of the land in Routt County is publicly owned. The Medicine Bow-Routt National Forest makes up a large portion of the county. This includes the Mt Zirkel and Sarvis Creek Wilderness areas. The local State Parks are Stagecoach Reservoir, Steamboat Lake, Elkhead Reservoir and Pearl Lake. These public lands provide residents and visitors with scenic recreational areas for hiking, picnicking, boating, hunting, fishing and water-skiing.

The City of Steamboat Springs is a Home Rule Municipality that is the county seat and the most populous city of Routt County. The city known as "Steamboat," "The Boat," or "Ski Town USA" had a population of 16,818 at the U.S. Census 2010. The town is an internationally known winter resort

destination. The Steamboat Springs tourism industry is highlighted by the Steamboat Ski Resort, which is on Mount Werner in the Park Range just east of the town. It also contains the much smaller Howelsen Ski Area. It is located in the upper valley of the Yampa River, along U.S. Highway 40 just west of the Continental Divide at Rabbit Ears Pass.

The area surrounding Steamboat Springs was originally inhabited by the Yampatikas Utes, who hunted in the valley during the summer. Trappers began to move into the area during the first decades of the 19th century. Ranchers soon followed, and ranching traditions are still preserved by the large ranching community.

Originally, skiing was the only method of transportation during harsh Rocky Mountain winters. In turn, the popularity of skiing as a winter pastime catalyzed development of the town and other communities all over the Rocky Mountains. In 1913, Carl Howelsen, a Norwegian, moved to town and introduced ski jumping. Howelsen built the first jump on namesake Howelsen Hill, now part of the Howelsen Ski Area. He also founded the annual Winter Carnival, a celebration still held each winter. Traditionally, the festival includes ski racing and jumping, dog sledding, and chariot events down Lincoln Avenue, the city's main street. Light shows on both Mount Werner and Howelsen Hill are highlights.

The Steamboat Ski Resort was largely established by two local men, Jim Temple and John Fetcher. Temple led the effort to develop the area. Fetcher, a local rancher, was the main designer and builder. The resort opened on what was then called Storm Mountain in 1963. (www.co.routt.co.us, www.Wikipedia.org)



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 Routt County are:

Routt County Ratio Grid						
Number of Unweighted Price Coefficient Qualified Median Related of Time Trei Property Class Sales Ratio Differential Dispersion Analys						
Commercial/Industrial	123	0.987	1.067	8.9	Compliant	
Residential Condo	704	0.996	1.001	2.9	Compliant	
Residential	958	1.000	1.004	6	Compliant	
Vacant Land	316	1.000	1.064	18.6	Compliant	

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

Routt 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		

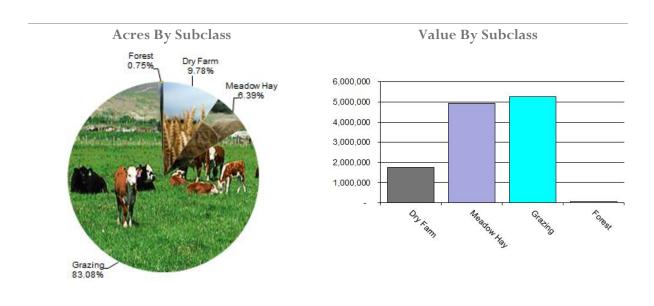
Conclusions

After applying the above described methodologies, it is concluded that Routt 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:



	Routt County Agricultural Land Ratio Grid					
Abstract Code	Land Class	Number Of Acres	County Value Per Acre	County Assessed Total Value	WRA Total Value	Ratio
4127	Dry Farm	69,271	25.23	1,747,665	1,792,455	0.98
4137	Meadow Hay	45,310	108.64	4,922,567	4,924,917	1.00
4147	Grazing	588,673	8.92	5,251,294	5,251,294	1.00
4177	Forest	5,309	13.15	69,821	69,887	1.00
Total/Avg		708,563	16.92	11,991,347	12,038,552	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

Routt 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

Routt 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.:

- Field Inspections
- Phone Interviews
- In-Person Interviews with Owners/Tenants
- Written Correspondence other than Questionnaire

- Personal Knowledge of Occupants at Assessment Date
- Aerial Photography/Pictometry

Routt 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.:

Aerial Photography/Pictometry

Routt 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 Routt County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 35 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.

Routt County did not qualify for indepth subclass analysis.

Conclusions

Routt 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

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

Methodology

Under the guidelines of the Assessor's Reference Library (ARL), Volume 3, Section 6, Valuation of Producing Coal Leaseholds and Lands, the income approach is the primary method applied to find value for the valuation of coalmines. This methodology estimates annual economic royalty income based on previous year's production, then capitalizes

that income to value using a Hoskold factor to estimate the present worth of the permitted acres. The operator provides production data and the life of the leases.

Conclusions

County has applied the correct formulas and state guidelines to coal mine valuation.

Recommendations



VACANT LAND

Subdivision Discounting

Subdivisions were reviewed in 2021 in Routt 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

Routt 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.

Routt 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

Routt 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

Routt 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.

Routt 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
- 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 Research

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.

Routt 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:

- Businesses in a selected area
- Accounts with obvious discrepancies
- New businesses filing for the first time
- Accounts with greater than 10% change
- Incomplete or inconsistent declarations
- 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
- Lowest or highest quartile of value per square foot
- Accounts protested with substantial disagreement
- Highly Populated Rental Area Search

Conclusions

Routt 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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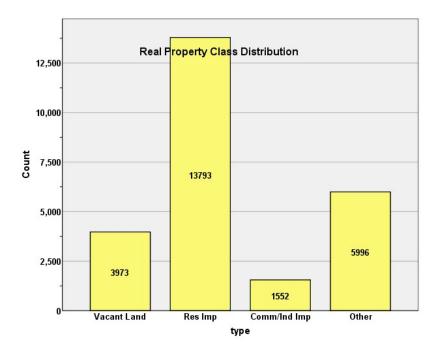
STATISTICAL APPENDIX



STATISTICAL COMPLIANCE REPORT FOR ROUTT COUNTY 2021

I. OVERVIEW

Routt County is located in northwestern Colorado. The county has a total of 25,314 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 78.5% of all vacant land parcels.

For residential improved properties, single family properties accounted for 47.1% of all residential properties. Residential condominiums, coded as 1230, accounted for 34.7% of all residential properties. Based on the guidelines of the 2021 audit, we will analyze residential condominiums separately in the following analysis.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial sales accounted for 6.1% 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. Information was provided by the Routt Assessor's Office in May 2021. The data included all 5 property record files as specified by the Auditor.



III. RESIDENTIAL SALES RESULTS

There were 1,662 qualified residential sales for the 24 month period ending June 30, 2020. We first stratified our sales ratio analysis by residential non-condominiums and condominiums. The sales ratio analysis results were as follows:

Residential Non-Condo = 958

Median	1.000
Price Related Differential	1.004
Coefficient of Dispersion	6.0

Residential Condo = 704

Median	0.996
Price Related Differential	1.001
Coefficient of Dispersion	2.9

We next stratified the sale ratio analysis by economic area and neighborhood. The minimum count for the neighborhood stratification is 15 sales. The following are the results of this stratification analysis:

Economic Area Case Processing Summary

	_	Count	Percent
ECONAREA	1	267	16.1%
	2	73	4.4%
	3	85	5.1%
	4	96	5.8%
	5	57	3.4%
	6	165	9.9%
	7	4	0.2%
	8	43	2.6%
	9	47	2.8%
	88	124	7.5%
	99	701	42.2%
Overall		1662	100.0%
Excluded		0	
Total		1662	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion
1	1.015	.999	.059
2	.977	1.019	.081
3	.996	1.030	.108
4	.996	.999	.054
5	.989	1.004	.076
6	.999	1.002	.042
7	1.038	1.137	.147
8	.999	.995	.050
9	1.013	1.003	.055



88	.995	1.003	.036	
99	.996	1.001	.029	
Overall	.997	1.002	.047	

Econ Area 88 = Townhomes Econ Area 99 = Condominiums

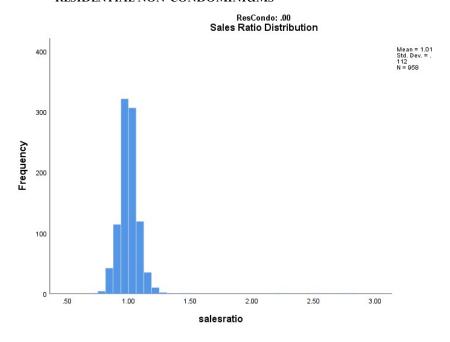
Neighborhoods with at least 15 sales Ratio Statistics for CURRTOT / TASP

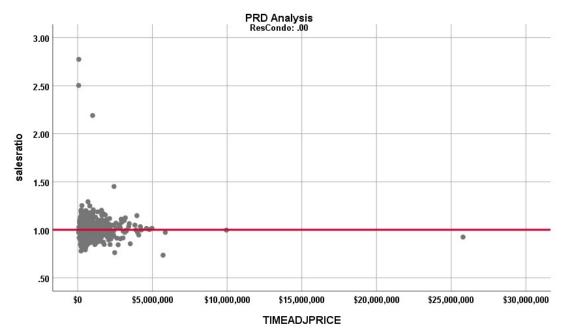
Croun	Modian	Price Related	Coefficient of
Group	Median	Differential	Dispersion
	.996	1.001	.030
1000	1.012	1.067	.162
320	.973	1.000	.080
4480	.998	.996	.052
4490	.986	1.001	.050
4495	1.015	.998	.041
575	.987	1.001	.060
576	1.000	1.007	.053
577	1.011	1.004	.037
67003	1.002	1.002	.043
67017	.993	1.002	.041
68001	1.011	.992	.039
69006	.994	1.014	.082
69017	1.041	.996	.041
70006	1.020	1.004	.044
71001	.997	1.002	.084
71002	.993	1.002	.037
725	.983	.994	.063
740	1.006	1.001	.025
75004	.991	1.002	.020
75005	.981	.999	.063
77005	1.027	.996	.049
77010	1.032	1.010	.051
79001	.964	.987	.068
900	.989	1.008	.036
950	1.006	1.001	.094
Overall	.996	1.000	.043

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 (0 = Residential Non-Condominiums, 1 = Residential Condominiums):



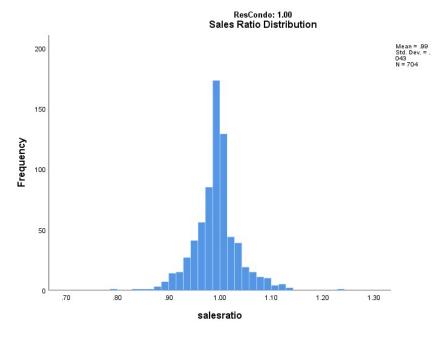
RESIDENTIAL NON-CONDOMINIUMS

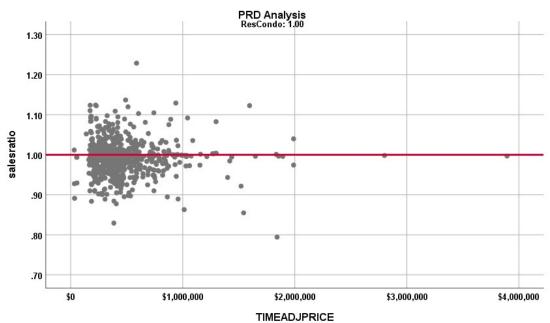






RESIDENTIAL CONDOMINIUMS



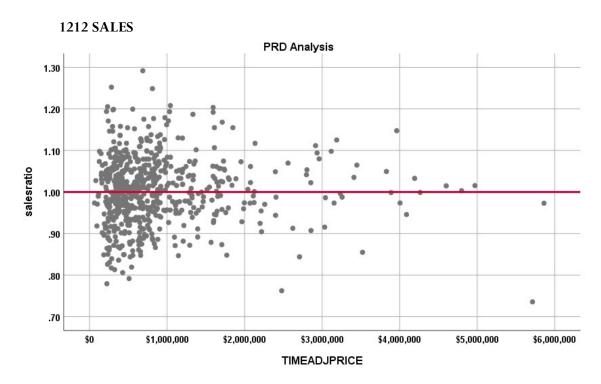


The above graphs indicate that the distribution of the sale ratios was within state mandated limits. No sales were trimmed.



Subclass 1212 PRD Analysis

We next analyzed residential properties identified as 1212 using the state abstract code system. 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 0.999, 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	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.994	.005		210.054	.000
	CURRTOT	.00000010	.000	.099	2.496	.013

a. Dependent Variable: salesratio

The slope of the line at 0.00000001 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 \$200K	21	3.3%
	\$200K to \$300K	66	10.4%
	\$300K to \$400K	87	13.7%
	\$400K to \$500K	72	11.3%
	\$500K to \$600K	49	7.7%
	\$600K to \$700K	62	9.7%
	\$700K to \$800K	40	6.3%
	\$800K to \$900K	52	8.2%
	\$900K to \$1,000K	26	4.1%
	Over \$1,000K	162	25.4%
Overall		637	100.0%
Excluded		0	
Total		637	

Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of
Group	Median	Differential	Dispersion
LT \$200K	.996	1.005	.061
\$200K to \$300K	.975	.998	.082
\$300K to \$400K	1.007	1.000	.057
\$400K to \$500K	1.003	1.000	.053
\$500K to \$600K	.988	.998	.065
\$600K to \$700K	1.003	1.000	.068
\$700K to \$800K	1.031	1.000	.059
\$800K to \$900K	1.016	1.000	.055
\$900K to \$1,000K	1.049	1.000	.060
Over \$1,000K	1.000	1.004	.060
Overall	1.003	.999	.063

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 24-month sale period for any residual market trending. We again stratified the analysis between residential non-condominiums and condominiums, with the following results:

Coefficients^a

ResCondo	Model		Unstandardize B	ed Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
.00	1	(Constant)	1.013	.007		140.216	.000
		SalePeriod	001	.001	035	-1.088	.277
1.00	1	(Constant)	.999	.003		294.856	.000
		SalePeriod	.000	.000	073	-1.937	.053

a. Dependent Variable: salesratio

With no significant market trend evident in the sales ratio data, the above analysis indicated that the assessor has adequately addressed market trending in the valuation of residential properties.



Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold residential properties, we compared the median actual value per square foot for 2021 between each group stratified by residential non-condominium and condominiums, as follows:

Report

VALSE				
ResCondo	sold	N	Median	Mean
.00	UNSOLD	7993	\$338	\$348
	SOLD	961	\$340	\$354
1.00	UNSOLD	4034	\$400	\$436
	SOLD	695	\$418	\$430

RESIDENTIAL NON-CONDOS

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of VALSF is the same across categories of sold.	Independent- Samples Mann- Whitney U Test	.166	Retain the null hypothesis.

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

RESIDENTIAL CONDOS

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of VALSF is the same across categories of sold.	Independent- Samples Mann- Whitney U Test	.053	Retain the null hypothesis.

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

We also stratified the residential non-condominiums by both economc area and by neighborhoods with at least 10 sales. For the neighborhood analysis, we used the second comparison test, which compares the median change in value between valuation year 2018 and valuation year 2020 for sold and unsold residential properties, as follows:



Economic Area

Report VALSF

ECONAREA	sold	N	Median	Mean
1.00	UNSOLD	2654	\$428	\$450
	SOLD	267	\$446	\$473
2.00	UNSOLD	915	\$375	\$397
	SOLD	73	\$387	\$423
3.00	UNSOLD	572	\$152	\$157
	SOLD	85	\$198	\$194
4.00	UNSOLD	559	\$186	\$186
	SOLD	96	\$215	\$213
5.00	UNSOLD	744	\$258	\$272
	SOLD	57	\$273	\$297
6.00	UNSOLD	949	\$361	\$381
	SOLD	165	\$365	\$387
7.00	UNSOLD	74	\$251	\$326
	SOLD	4	\$335	\$364
8.00	UNSOLD	360	\$313	\$317
	SOLD	43	\$326	\$325
9.00	UNSOLD	309	\$245	\$248
	SOLD	47	\$245	\$265

Neighborhoods with at least 10 Sales

Report DIFF

NBHD	sold	N	Median	Mean
1000	UNSOLD	243	1.1658	1.1887
	SOLD	35	1.2286	1.3080
320	UNSOLD	250	1.3001	1.3778
	SOLD	27	1.2985	1.3614
4490	UNSOLD	183	1.0381	1.0392
	SOLD	20	1.0771	1.0923
575	UNSOLD	114	1.1296	1.1446
	SOLD	21	1.1805	1.1918
576	UNSOLD	57	1.1845	1.3584
	SOLD	20	1.1929	1.2047
67003	UNSOLD	196	1.1053	1.1141
	SOLD	32	1.1550	1.1466
67017	UNSOLD	148	1.1313	1.1388
	SOLD	22	1.1356	1.1513
69006	UNSOLD	142	1.1311	1.1344
	SOLD	21	1.1884	1.1834
70006	UNSOLD	174	1.0601	1.1004
	SOLD	15	1.0505	1.0673
725	UNSOLD	275	1.1744	1.2879
	SOLD	32	1.1801	1.2546
75005	UNSOLD	62	.9031	.9635
	SOLD	15	.9042	.9981
77010	UNSOLD	23	1.7835	2.4784
	SOLD	28	1.2219	1.4122
79001	UNSOLD	429	1.0738	1.1090
	SOLD	39	1.1400	1.1580
950	UNSOLD	95	1.1920	1.2602
	SOLD	16	1.2313	1.2661



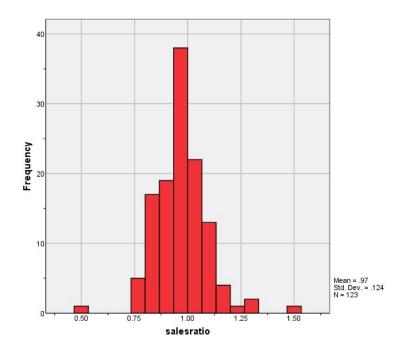
The above results indicate that sold and unsold residential properties were valued in a consistent manner.

IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

There were 123 qualified commercial and industrial sales in the 24 month period ending June 30, 2020. The sales ratio analysis results were as follows:

Median	0.987
Price Related Differential	1.067
Coefficient of Dispersion	8.9

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







Commercial Market Trend Analysis

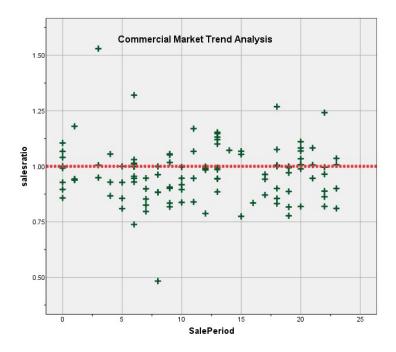
The commercial/industrial sales were next analyzed by subclass for any residual market trending, examining the sale ratios across the 24-month sale period with the following results:

Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.970	.022		43.129	.000
	SalePeriod	-1.562E-5	.002	001	009	.992

a. Dependent Variable: salesratio





Based on the above results, we concluded that the assessor adequately considered market trending in their valuation of commercial/industrial properties.

Sold/Unsold Analysis

We compared the 2021 median actual value per square foot between sold and unsold commercial properties to determine if the assessor was valuing each group consistently. This analysis was performed both for the entire class and by subclass, as follows:

Report

 VALSF
 Sold
 N
 Median
 Mean

 UNSOLD
 1421
 \$206
 \$233

 SOLD
 122
 \$189
 \$211

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of VALSF is the same across categories of sold.	Independent- Samples Mann- Whitney U Test	.233	Retain the null hypothesis.

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



Report VALSF

ABSTRIMP	sold	N	Median	Mean
2212	UNSOLD	94	\$204	\$237
	SOLD	8	\$125	\$173
2215	UNSOLD	16	\$175	\$174
	SOLD	3	\$188	\$190
2220	UNSOLD	51	\$215	\$264
	SOLD	4	\$252	\$271
2230	UNSOLD	118	\$156	\$180
	SOLD	9	\$209	\$229
2235	UNSOLD	82	\$111	\$121
	SOLD	4	\$131	\$228
2245	UNSOLD	636	\$196	\$223
	SOLD	64	\$185	\$207

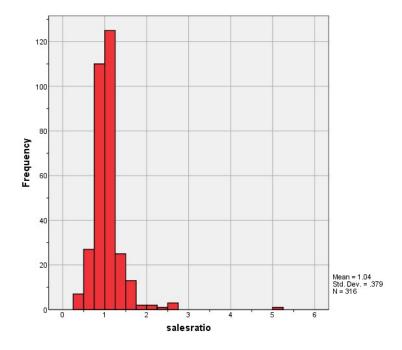
Based on the results of these comparisons, we concluded that the Routt County assessor was valuing sold and unsold commercial properties consistently.

V. VACANT LAND SALE RESULTS

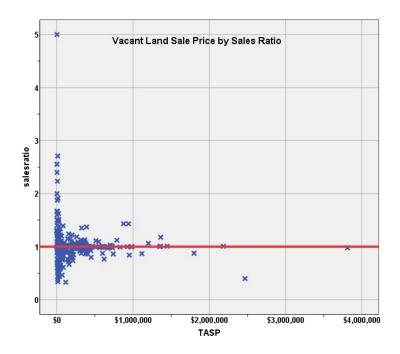
There were 316 qualified commercial and industrial sales in the 24 month period ending June 30, 2020. The sales ratio analysis results were as follows:

Median	1.000
Price Related Differential	1.064
Coefficient of Dispersion	18.6

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







Vacant Land Market Trend Analysis

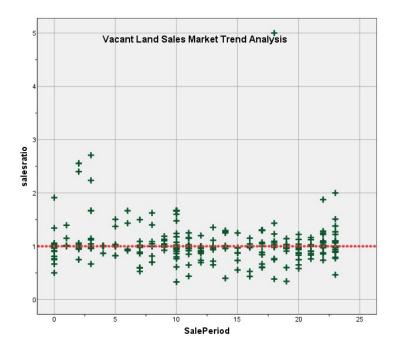
The vacant land sales were analyzed, examining the sale ratios across the 24 month sale period with the following results:

Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	1.089	.042		26.091	.000
	SalePeriod	004	.003	074	-1.306	.192

a. Dependent Variable: salesratio





The market trend results indicated no statistically significant trend. We concluded that the assessor has adequately considered market tending in Routt County's vacant land valuation for 2021.

Sold/Unsold Analysis

We compared the median change in actual value for valuation year 2018 and valuation year 2020 for vacant land properties to determine if sold and unsold properties were valued consistently. We first performed the analysis by class, as follows:

Report	
DIFF	
1.1	

sold	N	Median	Mean
UNSOLD	3606	1.0256	1.0804
SOLD	309	1.0667	1.0942

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	.147	Retain the null hypothesis.

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

We next stratified the comparison results by subdivision with at least 5 sales, as follows:



Report DIFF

SUBDIVNO	sold	N	Median	Mean
1417	UNSOLD	146	1.2222	1.2168
	SOLD	6	1.2222	1.2222
1567	UNSOLD	53	1.6000	1.6000
	SOLD	5	1.6000	1.6000
1570	UNSOLD	71	1.5000	1.5000
	SOLD	6	1.5000	1.5000
1585	UNSOLD	183	1.0000	1.0180
	SOLD	12	1.0000	1.0093
1586	UNSOLD	201	1.2500	1.2500
	SOLD	18	1.2500	1.2500
1596	UNSOLD	162	1.0000	1.0000
	SOLD	5	1.0000	1.0000
1608	UNSOLD	154	1.1404	1.0810
	SOLD	13	1.1404	1.1411
1610	UNSOLD	90	1.0000	1.0585
	SOLD	8	1.1500	1.1312
1611	UNSOLD	59	1.0000	1.0077
	SOLD	10	1.0000	1.0063
1613	UNSOLD	61	.9677	.9702
	SOLD	12	1.0000	.9671
1779	UNSOLD	125	.8000	.8000
	SOLD	6	.8000	.8000
2602	UNSOLD	33	1.0769	1.1981
	SOLD	7	1.0769	1.2637
2703	UNSOLD	25	1.1077	1.1209
	SOLD	5	1.1077	1.1077
2721	UNSOLD	37	.9500	.8850
	SOLD	15	.9500	.9887
3075	UNSOLD	3	1.0000	.9833
	SOLD	7	1.0000	1.0429
3121	UNSOLD	14	1.0000	1.0023
	SOLD	9	1.0000	.9853

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

V. CONCLUSIONS

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



STATISTICAL ABSTRACT

Residential

	Ratio Statistics for CURRTOT / TASP												
95% Confidence Interval for Mean 95% Confidence Interval for Median				or Median		95% Confiden 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	1.006	.999	1.013	1.000	.996	1.004	95.1%	1.002	.993	1.011	1.004	.060	11.2%
1.00	.993	.990	.997	.996	.994	.998	95.4%	.992	.988	.997	1.001	.029	4.3%

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											
	95% Confiden Me	ce Interval for an		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
.970	.948	.992	.987	.946	.999	95.3%	.909	.878	.940	1.067	.089	12.8%

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

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
1.043	1.001	1.084	1.000	.996	1.000	95.1%	.979	.934	1.024	1.064	.186	36.4%

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.



Residential Median Ratio Stratification

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	1212	640	38.5%
	1213	1	0.1%
	1214	1	0.1%
	1215	15	0.9%
	1217	10	0.6%
	1218	288	17.3%
	1224	1	0.1%
	1225	2	0.1%
	1226	2	0.1%
	1230	701	42.2%
	1719	1	0.1%
Overall		1662	100.0%
Excluded		0	
Total		1662	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
1212	1.003	1.004	.069	13.0%
1213	1.045	1.000	.000	
1214	.994	1.000	.000	
1215	1.000	1.002	.051	6.9%
1217	.998	1.004	.028	3.5%
1218	.997	1.002	.040	5.4%
1224	1.058	1.000	.000	
1225	.961	1.017	.037	5.3%
1226	.937	1.000	.057	8.0%
1230	.996	1.001	.029	4.3%
1719	1.451	1.000	.000	
Overall	.997	1.002	.047	9.0%

Improvement Age

		Count	Percent
AgeRec	.00	9	0.5%
	Over 100	42	2.5%
	75 to 100	35	2.1%
	50 to 75	87	5.2%
	25 to 50	728	43.8%
	5 to 25	643	38.7%
	5 or Newer	118	7.1%
Overall		1662	100.0%
Excluded		0	
Total		1662	



Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	.994	1.037	.087	17.2%
Over 100	.990	1.023	.055	6.8%
75 to 100	.981	1.032	.119	28.3%
50 to 75	.992	1.006	.084	21.2%
25 to 50	.995	1.002	.042	5.9%
5 to 25	.999	1.001	.042	6.0%
5 or Newer	1.006	1.001	.054	12.2%
Overall	.997	1.002	.047	9.0%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	.00	6	0.4%
	LE 500 sf	31	1.9%
	500 to 1,000 sf	383	23.0%
	1,000 to 1,500 sf	484	29.1%
	1,500 to 2,000 sf	305	18.4%
	2,000 to 3,000 sf	266	16.0%
	3,000 sf or Higher	187	11.3%
Overall		1662	100.0%
Excluded		0	
Total		1662	

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
.00	.962	.997	.043	5.0%
LE 500 sf	.998	1.003	.025	3.9%
500 to 1,000 sf	.995	1.009	.044	13.0%
1,000 to 1,500 sf	.995	1.003	.041	6.0%
1,500 to 2,000 sf	.998	1.002	.050	6.7%
2,000 to 3,000 sf	.999	1.006	.052	6.8%
3,000 sf or Higher	1.013	1.016	.063	11.7%
Overall	.997	1.002	.047	9.0%



Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY		6	0.4%
	10 - LOW	1	0.1%
	20 - FAIR	116	7.0%
	3 - Average	1	0.1%
	30 - AVERAGE	746	44.9%
	40 - GOOD	429	25.8%
	5 - Superior + +	1	0.1%
	50 - VERY GOOD	294	17.7%
	55 - EXCELLENT - OLDER	2	0.1%
	6 - Superior + + +	1	0.1%
	60 - EXCELLENT	58	3.5%
	70 - EXCEPTIONAL	7	0.4%
Overall		1662	100.0%
Excluded		0	
Total		1662	

Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of	Coefficient of Variation
	B.4. 12		000	
Group	Median	Differential	Dispersion	Median Centered
	.962	.997	.043	5.0%
10 - LOW	.973	1.000	.000	
20 - FAIR	.997	1.022	.085	23.0%
3 - Average	1.451	1.000	.000	
30 - AVERAGE	.996	1.003	.043	6.0%
40 - GOOD	.999	1.000	.046	6.5%
5 - Superior + +	.925	1.000	.000	
50 - VERY GOOD	.998	1.002	.042	8.9%
55 - EXCELLENT - OLDER	1.071	1.022	.078	11.0%
6 - Superior + + +	.997	1.000	.000	
60 - EXCELLENT	1.002	1.004	.046	6.8%
70 - EXCEPTIONAL	1.015	1.003	.040	6.2%
Overall	.997	1.002	.047	9.0%

Improvement Condition

		Count	Percent
CONDITION		6	0.4%
	2 - POOR	2	0.1%
	3 - FAIR	36	2.2%
	4 - Normal	3	0.2%
	4 - NORMAL	1394	83.9%
	5 - GOOD	192	11.6%
	6 - EXCELLENT	29	1.7%
Overall		1662	100.0%
Excluded		0	
Total		1662	



Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
Огоир				5.0%
	.962	.997	.043	5.0%
2 - POOR	.961	.980	.044	6.3%
3 - FAIR	.992	1.001	.050	6.5%
4 - Normal	.997	1.151	.176	32.6%
4 - NORMAL	.998	.999	.046	8.1%
5 - GOOD	.990	1.015	.054	14.4%
6 - EXCELLENT	.995	.988	.038	5.4%
Overall	.997	1.002	.047	9.0%

Commercial Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	1	0.8%
	\$25K to \$50K	8	6.5%
	\$50K to \$100K	2	1.6%
	\$100K to \$150K	17	13.8%
	\$150K to \$200K	9	7.3%
	\$200K to \$300K	18	14.6%
	\$300K to \$500K	21	17.1%
	\$500K to \$750K	14	11.4%
	\$750K to \$1,000K	11	8.9%
	Over \$1,000K	22	17.9%
Overall		123	100.0%
Excluded		0	
Total		123	

Charles	Madian	Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
LT \$25K	1.147	1.000	.000	
\$25K to \$50K	1.002	1.010	.058	7.4%
\$50K to \$100K	1.025	.994	.041	5.7%
\$100K to \$150K	1.004	.999	.024	4.9%
\$150K to \$200K	1.000	1.001	.062	8.7%
\$200K to \$300K	.999	.997	.077	10.7%
\$300K to \$500K	.992	.995	.125	18.2%
\$500K to \$750K	.996	1.005	.098	16.4%
\$750K to \$1,000K	.929	.994	.076	10.8%
Over \$1,000K	.876	1.009	.075	9.5%
Overall	.987	1.067	.089	12.7%



Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	0	1	0.8%
	1218	3	2.4%
	1230	1	0.8%
	1545	1	0.8%
	1712	3	2.4%
	1714	1	0.8%
	1716	1	0.8%
	1724	1	0.8%
	1738	12	9.8%
	1884	1	0.8%
	2072	1	0.8%
	2212	8	6.5%
	2215	1	0.8%
	2215	3	2.4%
	2220	4	3.3%
	2228	1	0.8%
	2230	9	7.3%
	2233	1	0.8%
	2235	4	3.3%
	2238	1	0.8%
	2245	64	52.0%
	3215	1	0.8%
Overall		123	100.0%
Excluded		0	
Total		123	

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
0	1.241	1.000	.000	
1218	.965	1.010	.080	12.1%
1230	.946	1.000	.000	
1545	.837	1.000	.000	
1712	.943	1.000	.048	7.6%
1714	.927	1.000	.000	
1716	1.040	1.000	.000	
1724	1.132	1.000	.000	
1738	1.009	1.017	.086	13.3%
1884	.896	1.000	.000	
2072	.775	1.000	.000	
2212	.864	1.018	.029	3.6%
2215	.856	1.000	.000	
2215	.777	.994	.025	4.0%
2220	.887	1.056	.092	15.0%
2228	.941	1.000	.000	
2230	.992	1.030	.113	21.0%
2233	1.067	1.000	.000	
2235	.892	.968	.038	5.6%
2238	.483	1.000	.000	



2245	.999	1.029	.060	8.6%
3215	.994	1.000	.000	
Overall	.987	1.067	.089	12.7%

Improvement Age

Case Processing Summary

		Count	Percent
AgeRec	.00	117	95.1%
	Over 100	1	0.8%
	50 to 75	1	0.8%
	25 to 50	3	2.4%
	5 or Newer	1	0.8%
Overall		123	100.0%
Excluded		0	
Total		123	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	.987	1.067	.088	12.7%
Over 100	1.040	1.000	.000	
50 to 75	.775	1.000	.000	
25 to 50	.965	1.010	.080	12.1%
5 or Newer	1.132	1.000	.000	
Overall	.987	1.067	.089	12.7%

Improved Area

		Count	Percent
ImpSFRec	.00	1	0.8%
	LE 500 sf	9	7.3%
	500 to 1,000 sf	27	22.0%
	1,000 to 1,500 sf	15	12.2%
	1,500 to 2,000 sf	14	11.4%
	2,000 to 3,000 sf	25	20.3%
	3,000 sf or Higher	32	26.0%
Overall		123	100.0%
Excluded		0	
Total		123	



Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	1.241	1.000	.000	
LE 500 sf	1.005	1.029	.067	8.5%
500 to 1,000 sf	.999	1.015	.047	7.7%
1,000 to 1,500 sf	.999	1.006	.053	8.7%
1,500 to 2,000 sf	.944	1.017	.093	13.6%
2,000 to 3,000 sf	.938	1.017	.109	16.3%
3,000 sf or Higher	.942	1.062	.107	15.8%
Overall	.987	1.067	.089	12.7%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY		1	0.8%
	1 - Inferior	1	0.8%
	2 - Inferior -	6	4.9%
	20 - FAIR	1	0.8%
	3 - Average	25	20.3%
	30 - AVERAGE	4	3.3%
	4 - Superior +	49	39.8%
	40 - GOOD	1	0.8%
	5 - Superior + +	26	21.1%
	6 - Superior + + +	5	4.1%
	7 - Superior + + + +	4	3.3%
Overall		123	100.0%
Excluded		0	
Total		123	

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
	1.241	1.000	.000	
1 - Inferior	.941	1.000	.000	
2 - Inferior -	.989	1.058	.073	10.3%
20 - FAIR	1.040	1.000	.000	
3 - Average	1.007	1.065	.098	13.1%
30 - AVERAGE	1.016	.931	.098	12.9%
4 - Superior +	.994	1.075	.062	9.0%
40 - GOOD	.775	1.000	.000	
5 - Superior + +	.945	1.053	.099	16.2%
6 - Superior + + +	.856	.954	.129	24.0%
7 - Superior + + + +	.938	1.001	.020	2.6%
Overall	.987	1.067	.089	12.7%



Improvement Condition

Case Processing Summary

		Count	Percent
CONDITION		1	0.8%
	2 - Poor	1	0.8%
	3 - Fair	5	4.1%
	4 - Normal	88	71.5%
	4 - NORMAL	3	2.4%
	5 - Good	22	17.9%
	5 - GOOD	2	1.6%
	6 - EXCELLENT	1	0.8%
Overall		123	100.0%
Excluded		0	
Total		123	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
	1.241	1.000	.000	
2 - Poor	.941	1.000	.000	
3 - Fair	.992	1.061	.092	12.0%
4 - Normal	.974	1.062	.096	13.6%
4 - NORMAL	1.040	.952	.054	8.1%
5 - Good	.992	1.094	.051	8.2%
5 - GOOD	.951	1.015	.122	17.3%
6 - EXCELLENT	.775	1.000	.000	
Overall	.987	1.067	.089	12.7%

Vacant Land Median Ratio Stratification

Sale Price

		Count	Percent
SPRec	LT \$25K	97	30.7%
	\$25K to \$50K	51	16.1%
	\$50K to \$100K	21	6.6%
	\$100K to \$150K	12	3.8%
	\$150K to \$200K	17	5.4%
	\$200K to \$300K	39	12.3%
	\$300K to \$500K	41	13.0%
	\$500K to \$750K	20	6.3%
	\$750K to \$1,000K	8	2.5%
	Over \$1,000K	10	3.2%
Overall		316	100.0%
Excluded		0	
Total		316	



Ratio Statistics for CURRLND / TASP

-		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
LT \$25K	1.000	1.137	.387	64.6%
\$25K to \$50K	.986	1.006	.130	20.2%
\$50K to \$100K	.938	.997	.163	22.5%
\$100K to \$150K	.973	.998	.142	23.5%
\$150K to \$200K	.981	.996	.121	16.0%
\$200K to \$300K	1.000	.997	.043	7.6%
\$300K to \$500K	1.000	1.002	.063	10.5%
\$500K to \$750K	.996	1.002	.042	7.7%
\$750K to \$1,000K	1.000	1.003	.144	24.3%
Over \$1,000K	1.005	1.028	.114	21.9%
Overall	1.000	1.064	.186	38.1%

Subclass

		Count	Percent
ABSTRLND	100.00	187	59.2%
	200.00	20	6.3%
	300.00	4	1.3%
	400.00	1	0.3%
	520.00	1	0.3%
	550.00	2	0.6%
	1111.00	32	10.1%
	1112.00	53	16.8%
	1115.00	6	1.9%
	1120.00	1	0.3%
	1125.00	1	0.3%
	1135.00	2	0.6%
	2112.00	1	0.3%
	2130.00	2	0.6%
	2135.00	2	0.6%
	2662.00	1	0.3%
Overall		316	100.0%
Excluded		0	
Total		316	



				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
100.00	1.000	1.061	.245	47.3%
200.00	1.000	.985	.077	13.3%
300.00	1.006	1.007	.093	15.3%
400.00	.981	1.000	.000	
520.00	.947	1.000	.000	
550.00	.985	1.008	.015	2.2%
1111.00	.979	1.018	.146	24.1%
1112.00	1.000	.990	.069	12.2%
1115.00	.985	.996	.073	11.8%
1120.00	.886	1.000	.000	
1125.00	.399	1.000	.000	
1135.00	.935	1.058	.073	10.3%
2112.00	1.001	1.000	.000	
2130.00	.974	1.106	.100	14.1%
2135.00	1.249	1.031	.208	29.5%
2662.00	.331	1.000	.000	
Overall	1.000	1.064	.186	38.1%