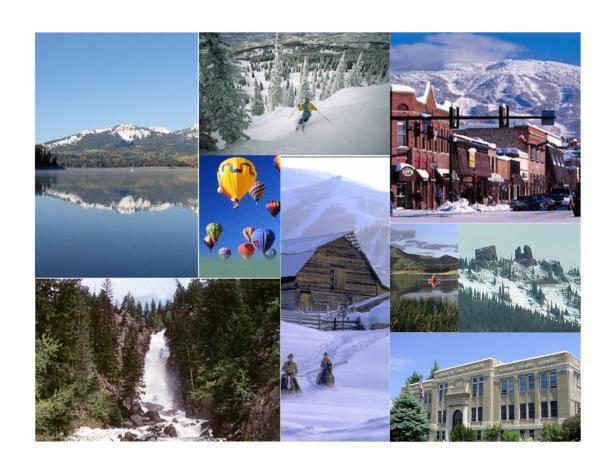
# Routt County Northwest Colorado

# 2015 ROUTT COUNTY PROPERTY ASSESSMENT STUDY







September 15, 2015

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

RE: Final Report for the 2015 Colorado Property Assessment Study

Dear Mr. Mauer:

Wildrose Appraisal Inc.-Audit Division is pleased to submit the Final Reports for the 2015 Colorado Property Assessment Study.

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

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

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

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

Harry J. Fuller Project Manager

Harry J. Zulln

Wildrose Appraisal Inc. - Audit Division



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# INTRODUCTION



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

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

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

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

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

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

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

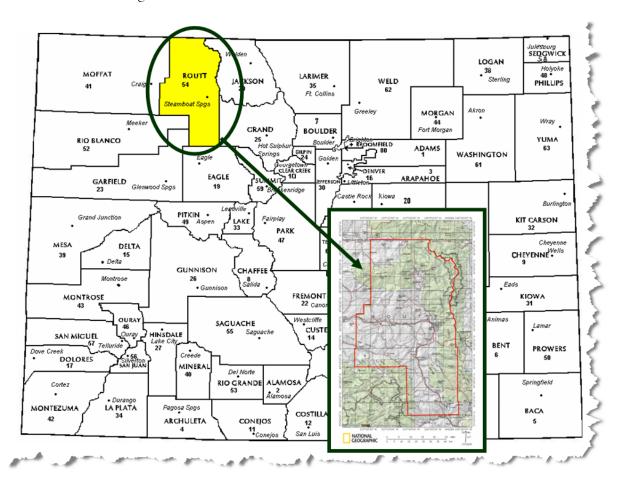
Wildrose Audit has completed the Property Assessment Study for 2015 and is pleased to report its findings for Routt County in the following report.



# 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 a population of approximately 23,509 people with 9.95 people per square mile, according to the U.S. Census Bureau's 2010 census data. This represents a 19.4 percent change from the 2000 Census.

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 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 properties were analyzed. Sales were collected for each property class over the appropriate sale period, which was typically defined as the 18-month period between January 1, 2013 and June 30, 2014. Counties with less than 30 sales typically extended the sale period back up to 5 years prior to June 30, 2014 in 6-month increments. If there were still fewer than 30 sales, supplemental appraisals were performed and treated as proxy sales. Residential sales for all counties using this method totaled at least 30 per county. For commercial sales, the total number analyzed was allowed, in some cases, to fall below 30. There were no sale quantity issues for counties requiring vacant land analysis or condominium analysis. Although it was required that we examine the median and coefficient of dispersion for all counties, we also calculated the weighted mean and pricerelated differential for each class of property. Counties were not passed or failed by these

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

#### **Conclusions**

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

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



#### The results for Routt County are:

Routt County Ratio Grid						
Property Class	Number of Qualified Sales	Unweighted Median Ratio	Price Related Differential	Coefficient of Dispersion	Time Trend Analysis	
Commercial/Industrial	73	1.009	0.996	10	Compliant	
Condominium	505	0.999	1.011	6.4	Compliant	
Single Family	693	0.996	1.006	8.5	Compliant	
Vacant Land	140	1.000	1.001	11.8	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. determines if the sold/unsold variable is statistically and empirically significant. three tests indicate a significant difference between sold and unsold properties for a given class, the Auditor may meet with the county to determine if sale chasing is actually occurring,

or if there are other explanations for the observed difference.

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

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

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



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

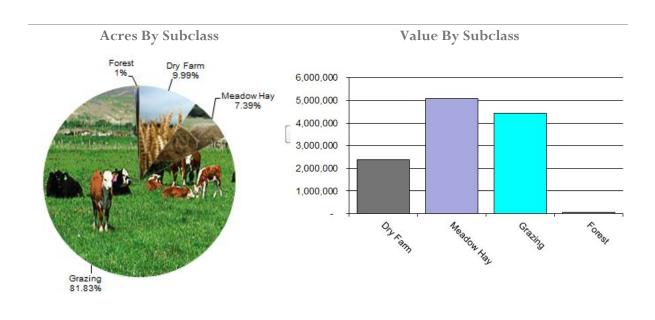
#### Conclusions

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 In addition, county records were reviewed in order to determine if: Aerial photographs are available and are being used; soil conservation guidelines have been used to classify lands based on productivity; crop rotations have been documented; typical commodities and yields have been determined; orchard lands have been properly classified and valued; expenses reflect a ten year average and are typical landlord expenses; grazing lands have been properly classified and valued; the number of acres in each class and subclass have been determined; the capitalization rate was properly applied. Also, documentation was required for the valuation methods used and 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	71,155	33.48	2,382,000	2,390,251	1.00	
4137	Meadow Hay	52,585	96.90	5,095,272	5,095,272	1.00	
4147	Grazing	582,641	7.58	4,417,768	4,417,768	1.00	
4177	Forest	5,623	137.80	66,681	66,629	1.00	
Total/Avg		712,004	16.80	11,961,721	11,969,920	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.:

- Questionnaires
- 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 2015 for Routt County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 41 sales listed as unqualified.

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

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

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

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 that sales indicating 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 a good job of verifying their sales. There are no recommendations.

#### 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 2015 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 This sample was levels of such property. selected from the personal property schedules audited by the assessor. In no event was the sample selected by the contractor less than 30 schedules. The counties to be included in this study are Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo, and Weld. All other counties received a procedural study.

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

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

Routt County submitted their personal property written audit plan and was current for the 2015 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 \$7,300 actual value exemption status
- Accounts protested with substantial disagreement

#### **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

Harry J. Fuller, Audit Project Manager

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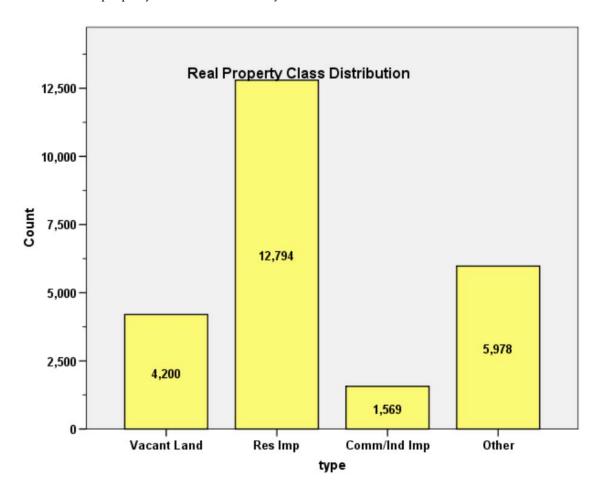
# APPENDICES



#### STATISTICAL COMPLIANCE REPORT FOR ROUTT COUNTY 2015

#### I. OVERVIEW

Routt County is located in northwestern Colorado. The county has a total of 24,541 real property parcels, according to data submitted by the county assessor's office in 2015. 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 85.4% of all vacant land parcels.

For residential improved properties, single family properties accounted for 47.0% of all residential properties. Residential condominiums, coded as 1230, accounted for 36.0% of all residential properties. Based on the guidelines of the 2015 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 6.4% of all such properties in this county.

#### II. DATA FILES

The following sales analyses were based on the requirements of the 2015 Colorado Property Assessment Study. Information was provided by the Routt Assessor's Office in May 2015. The data included all 5 property record files as specified by the Auditor.

#### III. RESIDENTIAL SALES RESULTS

There were 914 qualified residential sales in the 24 month period ending June 30, 2012. We stratified our sales ratio analysis by residential non-condominiums and condominiums. The sales ratio analysis results were as follows:

#### Residential Non-Condo = 693

Median	0.996
Price Related Differential	1.006
Coefficient of Dispersion	8.5

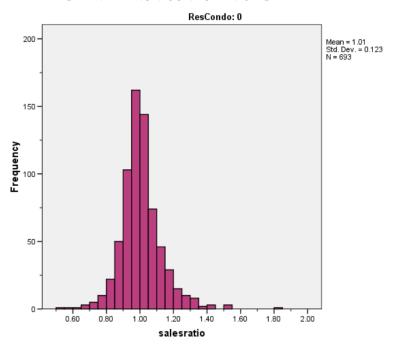
#### Residential Condo = 505

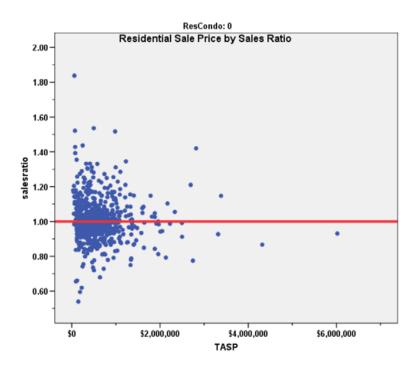
Median	0.999
Price Related Differential	1.011
Coefficient of Dispersion	6.4

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):



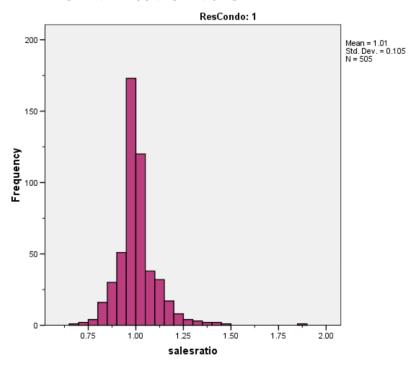
#### RESIDENTIAL NON-CONDOMINIUMS

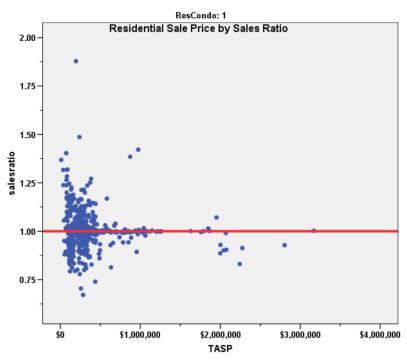






#### RESIDENTIAL CONDOMINIUMS





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



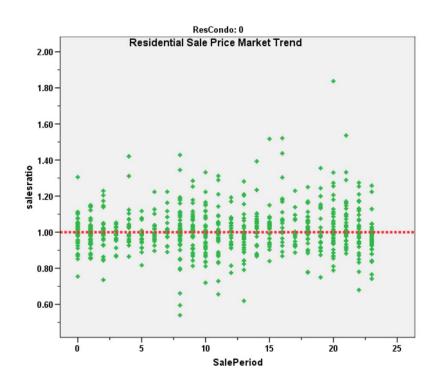
#### **Residential Market Trend Analysis**

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:

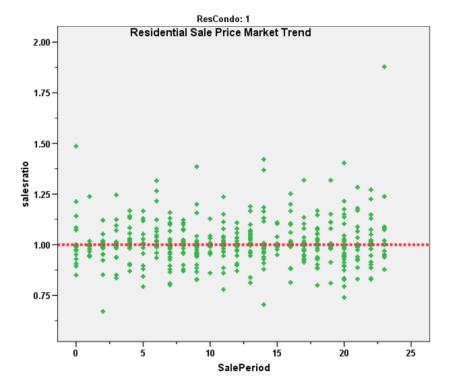
Coefficients<sup>a</sup>

ResC	ondo	Model		Unstandardized Coefficients		Standardized Coefficients		
				В	Std. Error	Beta	t	Sig.
	0	1	(Constant)	.995	.009		112.010	.000
			SalePeriod	.001	.001	.067	1.758	.079
-	1	1	(Constant)	.999	.009		108.940	.000
			SalePeriod	.001	.001	.048	1.086	.278

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 2015 between each group stratified by residential non-condominium and condominiums, as follows:

		Residential Non-Condos				
о.	Median Val/SF	Mean Val/SF				
444	\$224 \$245	\$233.12 \$248				
		Val/SF 444 \$224				

Residential Condos				
Group	No.	Median Val/SF	Mean Val/SF	
Unsold Sold	4,048 504	\$250 \$265	\$275 \$293	



Due to the gap between sold and unsold residential properties, we also compared the median and mean change in value from 2014 to 2105 for sold and unsold residential properties, as follows:

Residential Non-Condos				
Group	No.	Median Val/SF	Mean Val/SF	
Unsold	7,499	1.13	1.19	
Sold	693	1.18	1.22	

Residential Condos				
Group	No.	Median Val/SF	Mean Val/SF	
Unsold	4,096	1.07	1.08	
Sold	505	1.10	1.12	

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

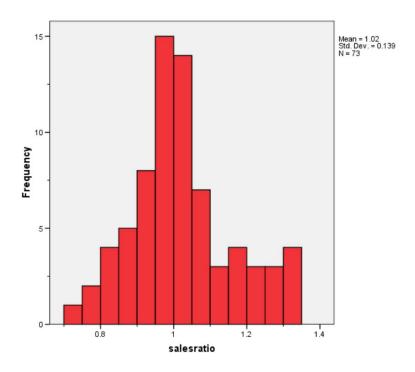
#### IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

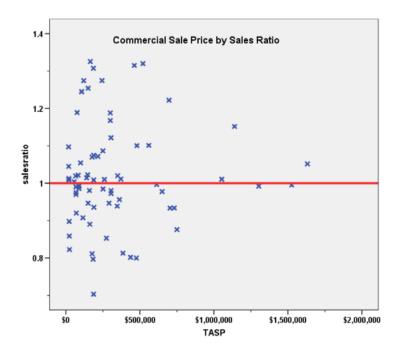
There were 73 qualified commercial and industrial sales in the 24 month period ending June 30, 2014. The sales ratio analysis results were as follows:

Median	1.009
Price Related Differential	0.996
Coefficient of Dispersion	10.0

The above tables indicate 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:









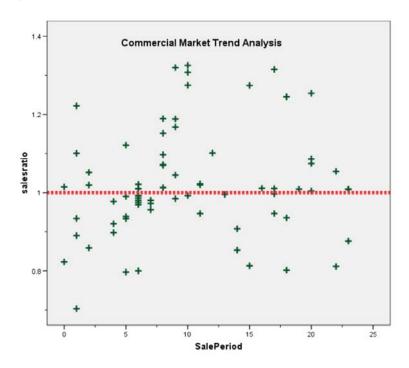
#### **Commercial Market Trend Analysis**

The 73 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<sup>a</sup>

M	odel	Unstandardized Coefficients		Standardized Coefficients		
		В	Std. Error	Beta	t	Sig.
1	(Constant)	.991	.030		33.131	.000
L	SalePeriod	.003	.002	.150	1.279	.205

a. Dependent Variable: salesratio



While the market trend was marginally significant, the magnitude of that trend was not. We concluded that the assessor adequately considered market trending in their valuation of commercial/industrial properties.



#### Sold/Unsold Analysis

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

Group	No. Props	Median Val SF	Mean Val SF	
Unsold	1,461	\$146	\$194	
Sold	73	\$137	\$158	

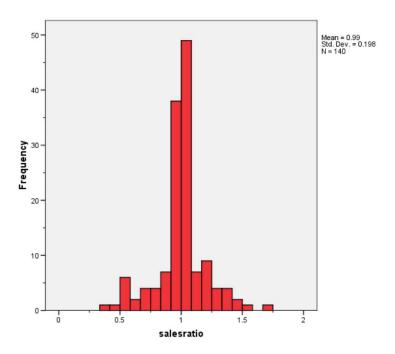
Based on the results of these comparisons, we concluded that the Routt County assessor was valuing sold and unsold commercial properties consistently.

#### V. VACANT LAND SALE RESULTS

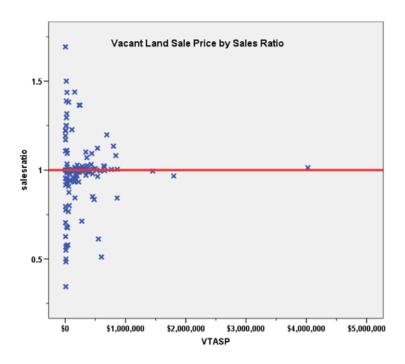
There were 140 qualified vacant land sales in the 24 month period ending June 30, 2014. The sales ratio analysis results were as follows:

Median	1.000
Price Related Differential	1.001
Coefficient of Dispersion	11.8

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**

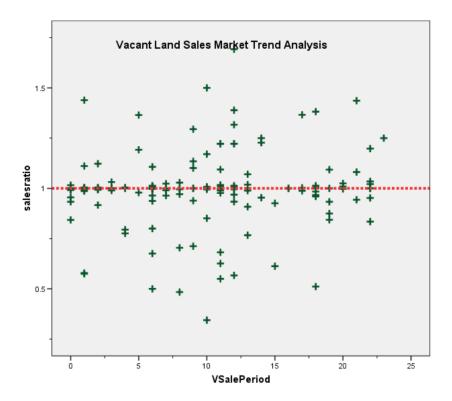
The 140 vacant land sales were analyzed, examining the sale ratios across the 24 month sale period with the following results:

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients		
L		В	Std. Error	Beta	t	Sig.
1	(Constant)	.962	.031		31.488	.000
L	VSalePeriod	.003	.003	.107	1.265	.208

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 2015.



## **Sold/Unsold Analysis**

We compared the median change in actual value between 2014 and 2015 for vacant land properties to determine if sold and unsold properties were valued consistently. The comparison results were stratified by subdivision with at least three sales, as follows:

Subdiv	Constant	N. D.	<b>Median</b>	Mean
No.	Group	No. Props	Chg Val	Chg Val
1195	Unsold	19	.74	.87
	Sold	3	.74	.88
1391	Unsold	43	.74	.84
	Sold	4	.74	.90
1417	Unsold	143	.73	.73
	Sold	11	.73	.73
1449	Unsold	10	.82	.89
	Sold	3	.82	.82
1586	Unsold	215	.61	.61
	Sold	4	.61	.61
1608	Unsold	176	.97	.83
	Sold	4	.47	.47
1779	Unsold	128	.61	.61
	Sold	3	.61	.61
2123	Unsold	7	1.04	1.02
	Sold	3	1.04	1.01
2236	Unsold	18	1.20	1.22
	Sold	5	1.20	1.21
2362	Unsold	3	1.48	1.53
	Sold	3	1.48	1.48
2703	Unsold	37	.84	.83
	Sold	4	.84	.89
2721	Unsold	73	.86	.91
	Sold	4	.86	.89
2848	Unsold	8	1.12	1.15
	Sold	3	1.44	1.44
Total	Unsold	880	.73	.75
	Sold	54	.78	.89

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



#### V. AGRICULTURAL IMPROVEMENTS ANALYSIS

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

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

		Descri	ptives		
	ABSTR	RIMP		Statistic	Std. Error
ImpValSF	SFR	Mean		\$141.72	\$.979
		95% Confidence Interval for	Lower Bound	\$139.80	
		Mean	Upper Bound	\$143.64	
		5% Trimmed Mean		\$136.27	
		Median		\$132.35	
		Variance		5716.270	
		Std. Deviation		\$75.606	
		Minimum		\$0	
		Maximum		\$627	
		Range		\$627	
		Interquartile Range		\$78	
		Skewness		1.318	.032
		Kurtosis		3.251	.063
	Ag	Mean		\$127.69	\$7.017
	Res	95% Confidence Interval for	Lower Bound	\$113.84	
		Mean	Upper Bound	\$141.54	
		5% Trimmed Mean		\$121.55	
		Median		\$118.97	
		Variance		8615.543	
		Std. Deviation		\$92.820	
		Minimum		\$0	
		Maximum		\$609	
		Range		\$608	
		Interquartile Range		\$114	
		Skewness		1.236	.184
		Kurtosis		3.615	.365

#### VI. 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

Res	Condo		95% Confiden Me			95% Con	fidence interval f	or Median		95% Confiden Weighte	ice Interval for d Mean			Coefficient of Variation
		Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion	Mean Centered
	0	1.008	.999	1.018	.996	.991	1.004	95.2%	1.003	.990	1.015	1.006	.085	12.2%
	1	1.008	.999	1.017	.999	.996	1.000	95.9%	.996	.986	1.007	1.011	.064	10.4%

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			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
1.023	.990	1.055	1.009	.985	1.020	96.6%	1.027	.990	1.063	.996	.100	13.6%

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

#### **Vacant Land**

	95% Confider 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
.994	.961	1.027	1.000	.995	1.000	96.6%	.993	.964	1.022	1.001	.118	19.9%

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



## **Residential Median Ratio Stratification**

### Sale Price

### **Case Processing Summary**

		Count	Percent
SPRec	LT \$25K	1	.1%
	\$25K to \$50K	8	.7%
	\$50K to \$100K	41	3.4%
	\$100K to \$150K	109	9.1%
	\$150K to \$200K	102	8.5%
	\$200K to \$300K	205	17.1%
	\$300K to \$500K	320	26.7%
	\$500K to \$750K	180	15.0%
	\$750K to \$1,000K	119	9.9%
	Over \$1,000K	113	9.4%
Overall		1198	100.0%
Excluded	I	0	
Total		1198	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
LT \$25K	1.368	1.000	.000	.%
\$25K to \$50K	1.175	1.010	.076	10.5%
\$50K to \$100K	1.100	1.006	.136	19.1%
\$100K to \$150K	.999	1.000	.088	12.0%
\$150K to \$200K	.990	.998	.074	12.9%
\$200K to \$300K	1.001	1.001	.071	10.6%
\$300K to \$500K	.999	.999	.068	10.2%
\$500K to \$750K	.994	1.000	.065	9.3%
\$750K to \$1,000K	.996	.998	.069	11.4%
Over \$1,000K	.998	1.005	.078	11.2%
Overall	.998	1.007	.076	11.6%



## Subclass

### **Case Processing Summary**

		Count	Percent
ABSTRIMP	1212	442	36.9%
	1213	1	.1%
	1213	1	.1%
	1215	7	.6%
	1218	242	20.2%
	1230	505	42.2%
Overall		1198	100.0%
Excluded		0	
Total		1198	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
1212	1.004	1.004	.088	12.2%
1213	1.065	1.000	.000	.%
1213	1.136	1.000	.000	.%
1215	1.024	.986	.125	16.0%
1218	.991	1.013	.076	12.5%
1230	.999	1.011	.064	10.5%
Overall	.998	1.007	.076	11.6%



## Improvement Age

## **Case Processing Summary**

		Count	Percent
AgeRec	0	2	.2%
	Over 100	9	.8%
	75 to 100	30	2.5%
	50 to 75	28	2.3%
	25 to 50	475	39.6%
	5 to 25	638	53.3%
	5 or Newer	16	1.3%
Overall		1198	100.0%
Excluded		0	
Total		1198	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
0	1.012	1.380	.352	49.8%
Over 100	1.007	1.039	.078	10.2%
75 to 100	1.028	1.005	.136	18.0%
50 to 75	1.006	.991	.095	14.2%
25 to 50	.997	1.010	.085	12.6%
5 to 25	.998	1.006	.065	10.2%
5 or Newer	.989	.994	.051	9.4%
Overall	.998	1.007	.076	11.6%



# Improved Area

## **Case Processing Summary**

		Count	Percent
ImpSFRec	0	2	.2%
	LE 500 sf	24	2.0%
	500 to 1,000 sf	246	20.5%
	1,000 to 1,500 sf	330	27.5%
	1,500 to 2,000 sf	219	18.3%
	2,000 to 3,000 sf	237	19.8%
	3,000 sf or Higher	140	11.7%
Overall		1198	100.0%
Excluded		0	
Total		1198	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
0	1.012	1.380	.352	49.8%
LE 500 sf	.995	1.006	.069	10.2%
500 to 1,000 sf	.998	1.013	.078	11.3%
1,000 to 1,500 sf	1.000	1.011	.073	11.7%
1,500 to 2,000 sf	.996	1.011	.063	10.7%
2,000 to 3,000 sf	.997	1.011	.073	10.5%
3,000 sf or Higher	1.010	1.018	.101	14.1%
Overall	.998	1.007	.076	11.6%



# Improvement Quality

## **Case Processing Summary**

		Count	Percent
QUALITY	10	3	.3%
	20	63	5.3%
	30	492	41.1%
	35	1	.1%
	40	337	28.2%
	50	243	20.3%
	60	56	4.7%
	70	1	.1%
Overall		1196	100.0%
Excluded		2	
Total		1198	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
10	1.098	1.041	.122	20.6%
20	1.027	1.020	.111	15.0%
30	.995	1.010	.081	12.1%
35	.991	1.000	.000	.%
40	.994	1.007	.071	11.0%
50	1.000	1.008	.061	9.9%
60	.999	1.005	.071	11.7%
70	.931	1.000	.000	.%
Overall	.998	1.007	.075	11.5%



# **Improvement Condition**

## **Case Processing Summary**

		Count	Percent
CONDITION	1	1	.1%
	2	1	.1%
	3	32	2.7%
	4	980	81.9%
	5	162	13.5%
	6	20	1.7%
Overall		1196	100.0%
Excluded		2	
Total		1198	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
1	.968	1.000	.000	.%
2	.961	1.000	.000	.%
3	1.011	1.010	.105	16.0%
4	.999	1.009	.074	11.6%
5	.990	.996	.072	9.8%
6	1.012	1.024	.103	14.2%
Overall	.998	1.007	.075	11.5%



## **Commercial Median Ratio Stratification**

### Sale Price

### **Case Processing Summary**

		Count	Percent
SPRec	LT \$25K	8	11.0%
	\$50K to \$100K	12	16.4%
	\$100K to \$150K	8	11.0%
	\$150K to \$200K	11	15.1%
	\$200K to \$300K	9	12.3%
	\$300K to \$500K	12	16.4%
	\$500K to \$750K	7	9.6%
	\$750K to \$1,000K	1	1.4%
	Over \$1,000K	5	6.8%
Overall		73	100.0%
Excluded	I	0	
Total		73	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
LT \$25K	1.009	1.009	.071	10.5%
\$50K to \$100K	.992	.998	.038	6.8%
\$100K to \$150K	1.134	1.007	.124	13.8%
\$150K to \$200K	.981	1.002	.153	20.2%
\$200K to \$300K	1.072	1.000	.096	12.3%
\$300K to \$500K	.976	1.000	.108	15.3%
\$500K to \$750K	.997	1.009	.114	17.1%
\$750K to \$1,000K	.876	1.000	.000	.%
Over \$1,000K	1.011	1.002	.043	7.4%
Overall	1.009	.996	.100	13.8%



## Subclass

### **Case Processing Summary**

		Count	Percent
ABSTRIMP	1230	4	5.5%
	1714	1	1.4%
	2212	5	6.8%
	2220	2	2.7%
	2230	1	1.4%
	2232	1	1.4%
	2240	1	1.4%
	2242	1	1.4%
	2244	1	1.4%
	2245	7	9.6%
	2245	49	67.1%
Overall		73	100.0%
Excluded		0	
Total		73	

Group					icient of iation
	Median	Price Related Differential	Coefficient of Dispersion		dian ntered
1230	.981	1.003	.055		6.7%
1714	.934	1.000	.000	.%	
2212	.995	.990	.064		8.5%
2220	1.011	.962	.209		29.5%
2230	1.010	1.000	.000	.%	
2232	1.070	1.000	.000	.%	
2240	.978	1.000	.000	.%	
2242	1.086	1.000	.000	.%	
2244	1.100	1.000	.000	.%	
2245	1.009	1.023	.074		12.7%
2245	1.004	.990	.113		15.4%
Overall	1.009	.996	.100		13.8%



# Improved Area

## **Case Processing Summary**

		Count	Percent
ImpSFRec	LE 500 sf	9	12.3%
	500 to 1,000 sf	20	27.4%
	1,000 to 1,500 sf	10	13.7%
	1,500 to 2,000 sf	8	11.0%
	2,000 to 3,000 sf	12	16.4%
	3,000 sf or Higher	14	19.2%
Overall		73	100.0%
Excluded		0	
Total		73	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
LE 500 sf	1.009	.962	.083	11.7%
500 to 1,000 sf	.991	1.037	.080	12.6%
1,000 to 1,500 sf	1.026	.987	.117	14.2%
1,500 to 2,000 sf	.937	1.043	.106	17.5%
2,000 to 3,000 sf	1.010	1.046	.125	17.3%
3,000 sf or Higher	1.061	1.014	.079	11.1%
Overall	1.009	.996	.100	13.8%



# Improvement Quality

## **Case Processing Summary**

	Count	Percent
QUALITY 2	20	27.4%
3	29	39.7%
4	12	16.4%
5	6	8.2%
7	2	2.7%
30	4	5.5%
Overall	73	100.0%
Excluded	0	
Total	73	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
2	1.010	.991	.080	12.8%
3	1.004	.981	.116	14.8%
4	.984	1.031	.136	17.3%
5	1.015	1.020	.065	13.6%
7	.928	1.024	.056	7.9%
30	.981	1.003	.055	6.7%
Overall	1.009	.996	.100	13.8%



# **Improvement Condition**

### **Case Processing Summary**

		Count	Percent
CONDITION	3	2	2.7%
	4	54	74.0%
	5	17	23.3%
Overall		73	100.0%
Excluded		0	
Total		73	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
3	1.010	1.038	.075	10.7%
4	1.009	1.003	.118	15.6%
5	.992	.959	.043	7.2%
Overall	1.009	.996	.100	13.8%



## **Vacant Land Median Ratio Stratification**

#### **Sale Price**

#### **Case Processing Summary**

		Count	Percent
SPRec	LT \$25K	37	26.4%
	\$25K to \$50K	17	12.1%
	\$50K to \$100K	13	9.3%
	\$100K to \$150K	7	5.0%
	\$150K to \$200K	14	10.0%
	\$200K to \$300K	15	10.7%
	\$300K to \$500K	19	13.6%
	\$500K to \$750K	10	7.1%
	\$750K to \$1,000K	5	3.6%
	Over \$1,000K	3	2.1%
Overall		140	100.0%
Excluded	i	0	
Total		140	

Group				Coefficient of Variation
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered
LT \$25K	1.000	.996	.238	31.0%
\$25K to \$50K	1.000	1.014	.097	17.8%
\$50K to \$100K	.977	1.001	.090	15.1%
\$100K to \$150K	1.000	1.006	.050	9.8%
\$150K to \$200K	.998	1.002	.061	13.2%
\$200K to \$300K	1.004	1.003	.078	15.8%
\$300K to \$500K	1.000	1.003	.039	6.5%
\$500K to \$750K	.998	.995	.128	22.2%
\$750K to \$1,000K	1.004	1.002	.074	11.0%
Over \$1,000K	.994	.993	.016	2.4%
Overall	1.000	1.001	.118	19.8%



## **Subclass**

#### **Case Processing Summary**

		Count	Percent
abstrind	100	88	62.9%
	200	14	10.0%
	300	1	.7%
	530	2	1.4%
	540	1	.7%
	1111	1	.7%
	1112	23	16.4%
	1120	1	.7%
	1135	5	3.6%
	2112	1	.7%
	2120	1	.7%
	2130	1	.7%
	2135	1	.7%
Overall		140	100.0%
Excluded		0	
Total		140	

Group				Coefficient of Variation	
	Median	Price Related Differential	Coefficient of Dispersion	Median Centered	
100	1.000	1.008	.143		22.5%
200	1.000	.989	.069		16.1%
300	1.004	1.000	.000	.%	
530	1.000	1.000	.000		.0%
540	1.001	1.000	.000	.%	
1111	.996	1.000	.000	.%	
1112	.996	1.012	.100		16.4%
1120	1.003	1.000	.000	.%	
1135	1.008	.955	.077		16.6%
2112	1.023	1.000	.000	.%	
2120	1.013	1.000	.000	.%	
2130	1.001	1.000	.000	.%	
2135	.800	1.000	.000	.%	
Overall	1.000	1.001	.118		19.8%