

2020

BROOMFIELD COUNTY PROPERTY ASSESSMENT STUDY







September 15, 2020

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

RE: Final Report for the 2020 Colorado Property Assessment Study

Dear Ms. Mullis:

Wildrose Appraisal Inc.-Audit Division is pleased to submit the Final Reports for the 2020 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



TABLE OF CONTENTS

Introduction	3
Regional/Historical Sketch of Broomfield County	
Ratio Analysis	
Time Trending Verification	
Sold/Unsold Analysis	
Agricultural Land Study	
Agricultural Land	
Agricultural Outbuildings	
Agricultural Land Under Improvements	
Sales Verification	
Economic Area Review and Evaluation	16
Natural Resources	
Earth and Stone Products	
Producing Oil and Gas	
Vacant Land	18
Possessory Interest Properties	
Personal Property Audit	
Wildrose Auditor Staff	
Appendices	



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 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.

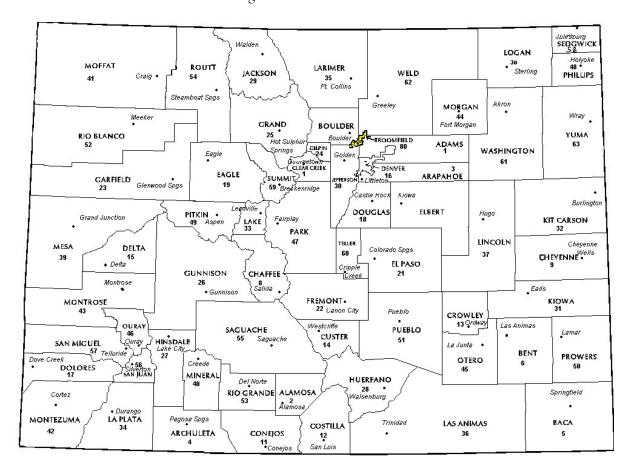
Wildrose Audit has completed the Property Assessment Study for 2020 and is pleased to report its findings for Broomfield County in the following report.



REGIONAL/HISTORICAL SKETCH OF BROOMFIELD COUNTY

Regional Information

Broomfield County is located in the Front Range region of Colorado. The Colorado Front Range is a colloquial geographic term for the populated areas of the State that are just east of the foothills of the Front Range. It includes Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, El Paso, Jefferson, Larimer, Pueblo, and Weld counties.





Historical Information

Broomfield County had an estimated population of approximately 66,529 people with 2,014.19 people per square mile, according to the U.S. Census Bureau's 2016 estimated census data. This represents a 19.04 percent change from April 1, 2010 to July 1, 2016.

Broomfield was brought into the United States in 1803 as part of the Louisiana Purchase. The area was successively recognized as part of the Missouri Territory, Nebraska and Kansas until 1861 when the Colorado Territory was created. In 1876, the Broomfield area officially joined the union when Colorado became a state.

The municipality of Broomfield incorporated in 1961 in the southeastern corner of Boulder County. It received its name from the broomcorn grown in the area. Over the next three decades, the city grew through annexations, many of which crossed the county line into four adjacent counties: Adams, Boulder, Jefferson, and Weld. In the 1990s, city leaders began to push for the creation of a separate county to avoid the inefficiencies of dealing with four separate court districts, four different county seats (each a considerable distance away), and four separate county sales

tax bases. It also had longstanding political differences with Boulder County, which impelled it to separate. Broomfield reasoned that it could provide services more responsively under its own county government, and sought an amendment to the Colorado State Constitution to create a new county. The amendment passed in 1998, after which a three-year transition period followed. On November 15, 2001, Broomfield County became the 64th and the newest and smallest county of Colorado.

Broomfield has an extensive trail system that connects the various lakes and parks. A spectacular trail connects Stearns Lake and Josh's Pond on the west side of town. Broomfield also has a 9/11 memorial containing a piece of the steel beam from one of the towers.

Broomfield is home to many youth sports programs including, Broomfield Blitz Youth Football a non profit 501c organization dedicated to providing great exercise and athletic development. Broomfield also has a skate park with many different and varying features, such as bowls, a large half pipe and several "street" obstacles.

(www.ci.broomfield.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, 2017 and June 30, 2018. Counties with less than 30 sales typically extended the sale period back up to 5 years prior to June 30, 2018 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 Broomfield County are:

Broomfield County Ratio Grid					
Property Class	Number of Qualified Sales	Unweighted Median Ratio	Price Related Differential	Coefficient of Dispersion	Time Trend Analysis
Commercial/Industrial	42	0.965	0.961	10.7	Compliant
Condominium	N/A	N/A	N/A	N/A	N/A
Single Family	3,126	0.979	0.996	5	Compliant
Vacant Land	31	0.984	1.043	19.1	Compliant

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

Broomfield 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			
Condominium	N/A			
Single Family	Compliant			
Vacant Land	Compliant			

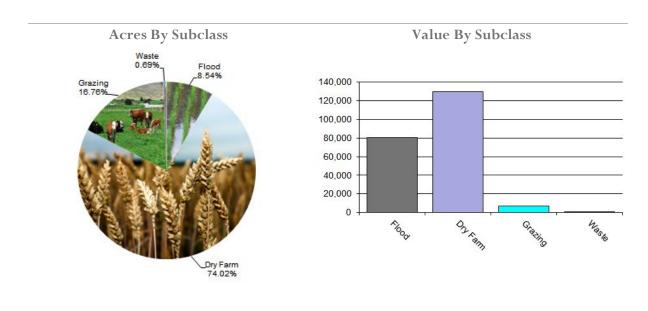
Conclusions

After applying the above described methodologies, it is concluded that Broomfield 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 yields, locally developed 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:



	Broomfield County Agricultural Land Ratio Grid					
Abstract Code	Land Class	Number Of Acres	County Value Per Acre	County Assessed Total Value	WRA Total Value	Ratio
4117	Flood	322	250.68	80,720	80,720	1.00
4127	Dry Farm	2,792	46.49	129,810	129,810	1.00
4147	Grazing	632	10.71	6,770	6,770	1.00
4167	Waste	26	2.31	60	58	1.04
Total/Avg		3,772	57.62	217,360	217,358	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

Broomfield County has 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

Broomfield 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

Broomfield 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.:

- Field Inspections
- Phone Interviews
- In-Person Interviews with Owners/Tenants
- Aerial Photography/Pictometry

Broomfield County has 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 2020 for Broomfield County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 30 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.

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



conducted further analysis to determine if the sales included in that code have been assigned appropriately.

Conclusions

Broomfield County appears to be doing a good 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

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



VACANT LAND

Subdivision Discounting

Subdivisions were reviewed in 2020 in Broomfield County. The review showed that subdivisions were discounted pursuant to the Colorado Revised Statutes in Article 39-1-103 (14) and by applying the recommended methodology in ARL Vol 3, Chap 4. Subdivision Discounting in the intervening year can be accomplished by reducing the absorption period by one year.

Conclusions

Broomfield 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.

Broomfield County has been reviewed for their procedures and adherence to guidelines when

assessing and valuing commercial possessory interest properties. The county has also been queried as to their confidence that the possessory interest properties have been discovered and placed on the tax rolls.

Conclusions

Broomfield 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

Broomfield 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 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.

Broomfield 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
- Local Telephone Directories, Newspapers or Other Local Publications
- Personal Observation, Physical Canvassing or Word of Mouth
- Questionnaires, Letters and/or Phone Calls to Buyer, Seller and/or Realtor

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

Broomfield County submitted their personal property written audit plan and was current for the 2020 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:

- New businesses filing for the first time
- Incomplete or inconsistent declarations
- Non-filing Accounts Best Information Available
- Accounts with no audit history



Conclusions

Broomfield County has employed adequate discovery, classification, documentation, valuation, and auditing procedures for their personal property assessment and is in statistical compliance with SBOE requirements.

Recommendations



WILDROSE AUDITOR STAFF

Harry J. Fuller, Audit Project Manager

Suzanne Howard, Audit Administrative Manager

Steve Kane, Audit Statistician

Carl W. Ross, Agricultural/Natural Resource Analyst

J. Andrew Rodriguez, Field Analyst



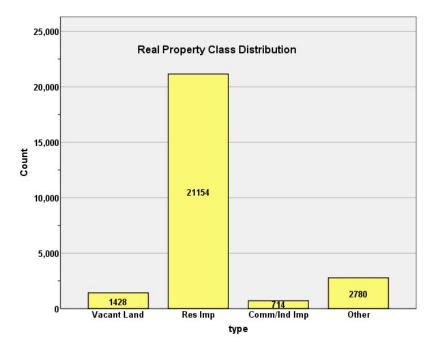
APPENDICES



STATISTICAL COMPLIANCE REPORT FOR BROOMFIELD COUNTY 2020

I. OVERVIEW

Broomfield County is located in the Denver metropolitan area. The county has a total of 24,596 real property parcels, according to data submitted by the county assessor's office in 2020. 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 81.4 percent of all vacant land parcels.

For residential improved properties, single family properties accounted for 91.5% of all residential properties.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial properties accounted for 2.9% of all such properties in this county.

Based on the Audit questionnaire, the following geographic levels were used by the assessor to value residential, commercial and vacant land properties:



Geo Area	Residential	Comm/Ind	Vacant Land
Economic Area	V	N	N
Neighborhood	V	N	N
Subdivision	N	N	See below

Codes

V=Valid Geographic Level – used for modeling N = Not used as Geographic Level for modeling

14 The week to Geographic Level for modeling

Note: Vacant Land is mostly modeled by Land Use Code

II. DATA FILES

The following sales analyses were based on the requirements of the 2020 Colorado Property Assessment Study. The data included all 5 property record files as specified by the Auditor.

III. RESIDENTIAL SALES RESULTS

There were 3,126 qualified residential sales in the 24 month period ending June 30, 2018. The sales ratio analysis was analyzed as follows:

Median	0.979
Price Related Differential	0.996
Coefficient of Dispersion	5.0

We next stratified the sale ratio analysis by economic, neighborhood, and subdivision. The minimum count for the neighborhood stratification is 20 sales. The following are the results of this stratification analysis:

Economic Area Case Processing Summary

		Count	Percent
ECONAREA	1.00	1371	47.7%
	2.00	1501	52.3%
Overall		2872	100.0%
Excluded		254	
Total		3126	

Group	Median	Price Related Differential	Coefficient of Dispersion
1.00	.979	.989	.050
2.00	.979	1.006	.052
Overall	.979	.996	.051

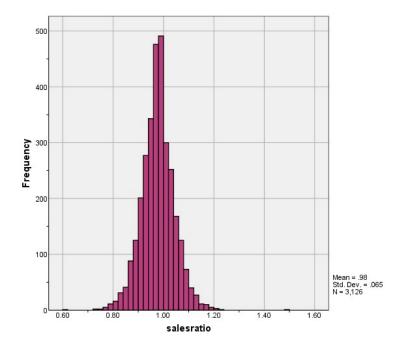


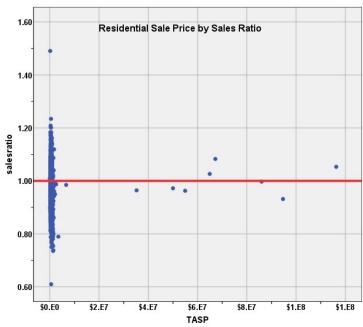
Neighborhood w/GE 20 Sales Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of
Group	Median	Differential	Dispersion
110603.0	.979	1.000	.063
110604.0	.980	.999	.101
120201.0	.977	1.001	.052
120202.0	.977	1.001	.054
121401.0	.979	1.002	.047
130400.0	.978	1.004	.056
130501.0	.981	1.003	.067
130503.0	.979	1.002	.051
130601.0	.979	1.000	.043
130907.0	.980	1.003	.060
140304.5	.979	.998	.064
141102.0	.981	1.000	.041
142001.0	.981	.996	.068
142301.0	.981	1.001	.048
142302.0	.981	.998	.061
151201.0	.974	.999	.053
153604.0	.981	1.001	.041
212501.6	.981	1.002	.035
232404.0	.980	.999	.049
242401.0	.981	1.001	.031
253007.0	.961	1.001	.026
253008.0	.978	1.001	.044
253009.0	.972	1.001	.047
253012.0	1.003	1.008	.050
253013.0	.985	1.004	.053
253015.0	.991	1.006	.060
253022.0	.970	1.017	.075
253115.0	.975	1.006	.053
253121.0	.981	1.001	.050
253508.0	.979	1.003	.040
262901.1	.979	1.000	.043
263803.0	.984	1.002	.059
264001.0	.979	1.004	.052
273023.0	.981	1.007	.062
273502.0	.982	1.006	.048
273506.0	.979	1.003	.047
Overall	.979	1.005	.054

The above ratio statistics were in compliance with the standards set forth by the Colorado State Board of Equalization (SBOE) for the overall residential sales. The following graphs describe further the sales ratio distribution for these properties:







The above graphs indicate that the distribution of the residential sale ratios was within state mandated limits.

Residential Market Trend Analysis

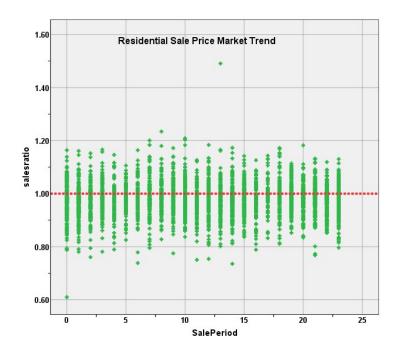
We next analyzed the residential dataset using the 24-month sale period for any residual market trending, as follows:



Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.978	.002		436.924	.000
	SalePeriod	-3.688E-6	.000	.000	022	.982

a. Dependent Variable: salesratio



There was no statistically significant trend in the above residential sales ratios. We therefore concluded 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 2020 between each group, as follows:

Report			
VALSF			
SOLD	N	Median	Mean
UNSOLD	17596	\$241	\$246
SOLD	3120	\$248	\$254



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	.000	Reject the null hypothesis.

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

Given that there was a statistically significant difference using the non-parametric Mann Whitney U test, we next compared the percent change in actual value between taxable years 2018 and 2020 for sold and unsold residential properties, both as a whole and broken down by economic area, as follows:

Report DIFF						
SOLD	Ν	Median	Mean			
UNSOLD	17645	1.14	1.28			
SOLD	3126	1.14	1.27			

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the sam across categories of SOLD.	Independent- Samples Mann- Whitney U Test	.095	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

We next stratified this analysis by economic area:

Report DIFF

ECONAREA	SOLD	N	Median	Mean
1.00	UNSOLD	10193	1.17	1.26
	SOLD	1371	1.18	1.27
2.00	UNSOLD	6061	1.11	1.35
	SOLD	1501	1.12	1.29



As a final check, we next stratified this analysis by neighborhoods with at least 10 sales, as follows:

Report
DIFF

DIFF	001.0	N	la a e e	ls a
NBHD 110601.0	SOLD	N 157	Median 1.31	Mean 1.30
110001.0		18	1.35	1.36
110602.0				
110602.0		165	1.24	1.23
440000		17		1.26
110603.0		319	1.22	1.21
1100010		26	1.24	1.24
110604.0		213	1.25	1.24
		24	1.27	1.30
110605.0		110	1.20	1.21
		17	1.21	1.23
110801.0		201	1.25	1.25
		18	1.28	1.29
120201.0		782	1.22	1.22
		83	1.24	1.27
120202.0		657	1.17	1.16
		64	1.20	1.21
120616.0		138	1.17	1.18
		18	1.18	1.18
120702.0		58	1.16	1.16
		16	1.16	1.17
121401.0		172	1.23	1.23
		37	1.22	1.22
130400.0		209	1.15	1.14
		27	1.16	1.19
130501.0		209	1.23	1.23
		28	1.24	1.25
130503.0		194	1.18	1.18
		43	1.18	1.18
130601.0		73	1.14	6.39
		27	1.45	2.82
130803.0		127	1.15	1.15
		16	1.17	1.19
130902.0		108	1.20	1.20
		16	1.20	1.20
130905.0		108	1.16	1.16
		18	1.17	1.17
130907.0		170	1.18	1.17
		20	1.18	1.19
			10	•



132205.0	182	1.12	1.12
	19	1.12	1.12
140304.5	287	1.19	1.19
	27	1.22	1.22
141102.0	286	1.08	1.09
	21	1.11	1.10
142001.0	428	1.12	1.12
	46	1.12	1.13
142301.0	90	1.19	1.18
	20	1.19	1.19
142302.0	111	1.22	1.22
	20	1.22	1.22
142801.0	132	1.00	1.01
	16	1.01	1.02
151201.0	295	1.13	1.12
	23	1.16	1.17
153604.0	142	1.09	1.11
	104	1.09	1.09
212501.6	108	1.25	1.25
	22	1.25	1.27
232404.0	166	1.10	1.11
	29	1.11	1.12
242401.0	95	1.08	1.08
	23	1.08	1.07
242504.0	105	1.09	1.10
	19	1.09	1.10
252901.0	111	1.15	1.15
	19	1.15	1.15
253007.0	133	1.08	1.08
	20	1.08	1.08
253008.0	170	1.10	1.10
	33	1.10	1.10
253009.0	295	1.07	1.07
	46	1.08	1.08
253012.0	285	1.07	1.07
	45	1.08	1.08
253013.0	265	1.10	1.10
	46	1.10	1.10
253015.0	37	1.10	1.11
	51	1.09	1.09
253022.0	175	1.14	1.37
		1	1
	132	1.14	1.20



	34	1.07	1.07
253121.0	129	1.07	1.08
-	49	1.07	1.09
262607.0	88	1.09	1.09
_	15	1.09	1.09
262901.1	126	1.10	1.10
-	40	1.10	1.10
273502.0	89	1.11	1.11
	34	1.10	1.13
273506.0	65	1.13	1.12
	42	1.14	1.24
Total	1833	1.13	1.26
	10742	1.15	1.28

Based on the above results, we concluded that the assessor valued sold and unsold residential properties consistently in 2020.

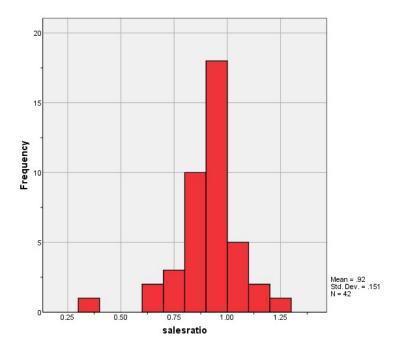
IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

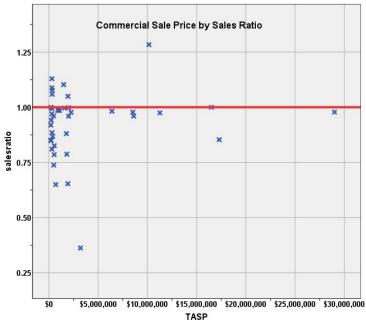
There were 42 qualified commercial and industrial sales in the 24 month period ending June 30, 2018. The sales ratio analysis was analyzed as follows:

Median	0.965
Price Related Differential	0.961
Coefficient of Dispersion	10.7

The above table indicates that the Broomfield 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/Industrial Market Trend Analysis

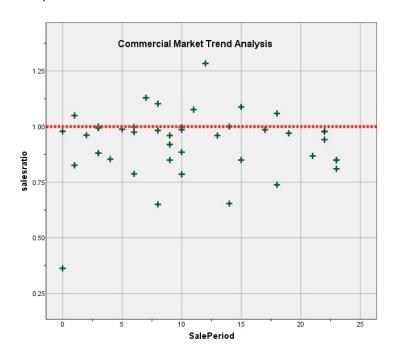
The commercial/industrial sales were analyzed, examining the sale ratios across the 24 month sale period with the following results:



Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.914	.044		20.924	.000
	SalePeriod	.001	.003	.045	.283	.778

a. Dependent Variable: salesratio



There was no residual market trending present in the commercial/industrial sale ratios. We concluded that the assessor has adequately considered market trending adjustments as part of the commercial/industrial valuation.

Sold/Unsold Analysis

We compared the median and mean value per square foot between sold and unsold commercial/industrial properties to determine if they were valued consistently. We did this analysis at the class level and by subclass, as follows:

Report VALSF

sold	N	Median	Mean	
UNSOLD	590	\$125	\$159	
SOLD	41	\$140	\$167	_



Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of VALSF is th same across categories of sold	Independent- Samples eMann- Whitney U Test	.126	Retain the null hypothesis.

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

Report
VALSF
ABSTRIM

VALSE				
ABSTRIMP	sold	N	Median	Mean
2212.00	UNSOLD	97	\$162	\$176
	SOLD	4	\$164	\$195
2220.00	UNSOLD	79	\$122	\$132
	SOLD	7	\$141	\$143
2230.00	UNSOLD	136	\$195	\$318
	SOLD	6	\$187	\$261
2245.00	UNSOLD	81	\$170	\$167
	SOLD	8	\$170	\$176
3212.00	UNSOLD	46	\$90	\$89
	SOLD	5	\$108	\$121
3230.00	UNSOLD	60	\$133	\$141
	SOLD	10	\$125	\$135

We concluded that the assessor has valued sold and unsold properties consistently in this county.

V. VACANT LAND SALE RESULTS

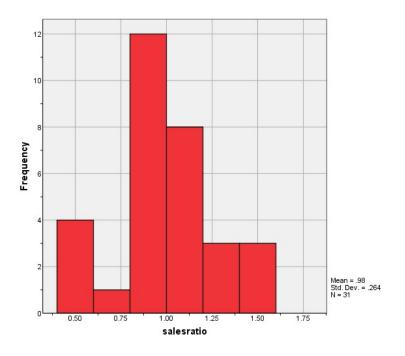
There were 31 qualified vacant land sales for the 36-month sale period ending June 30, 2018. The sales ratio analysis results were as follows:

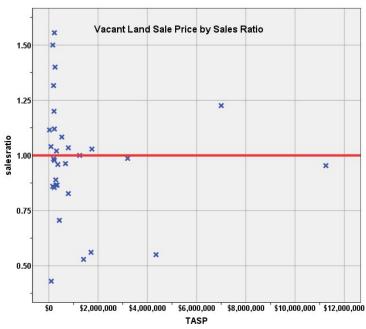
Ratio Statistics

Median	0.984
Price Related Differential	1.043
Coefficient of Dispersion	19.1

The above ratio statistics were in compliance overall with the standards set forth by the Colorado State Board of Equalization (SBOE) for the overall vacant land sales. The following graphs describe further the sales ratio distribution for all of these properties:







The above histogram indicates that the distribution of the vacant land sale ratios was within state mandated limits, while the above scatter plot indicated that there was no price related differential issues. No sales were trimmed.

Vacant Land Market Trend Analysis

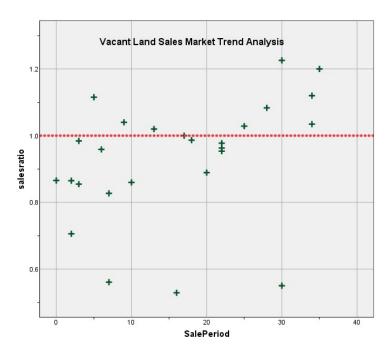
We next analyzed the vacant land dataset using the 24-month sale period, with the following results:



Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.834	.060		13.944	.000
	SalePeriod	.006	.003	.372	1.965	.061

a. Dependent Variable: salesratio



The above analysis indicated that no significant market trending was present in the vacant land sale data. We concluded that the assessor has adequately dealt with market trending for vacant land properties.

Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold vacant land properties, we compared the median change in actual value for taxable years 2018 and 2020 between each group. The following were the results:

Report DIFF			
sold	N	Median	Mean
UNSOLD	494	1.3500	1.2163
SOLD	28	1.2000	1.2156



Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the sam across categories of sold.	Independent- Samples Mann- Whitney U Test	.809	Retain the null hypothesis.

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

VI. CONCLUSIONS

Based on this 2020 audit statistical analysis, residential, commercial and vacant land properties were found to be in compliance with state guidelines.



STATISTICAL ABSTRACT Residential

Ratio Statistics for CURRTOT / TASP

	95% Confiden Me			95% Confidence Interval for Median		95% Confidence Interval for Weighted Mean				Coefficient of Variation		
Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion	Mean Centered
.978	.975	.980	.979	.977	.980	95.3%	.981	.970	.993	.996	.050	6.6%

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.

Commercial

Ratio Statistics for CURRTOT / TASP

	95% Confiden	ce Interval for an		95% Confidence Interval for Median		95% Confidence Interval for Weighted Mean				Coefficient of Variation		
Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion	Mean Centered
.925	.877	.972	.965	.881	.986	95.6%	.962	.897	1.027	.961	.107	16.4%

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.

Vacant Land

	95% Confiden Me	ce Interval for an		95% Con	fidence Interval fo	or 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
.981	.884	1.077	.984	.866	1.040	97.1%	.940	.792	1.089	1.043	.191	26.9%

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	3	0.1%
	\$100K to \$150K	1	0.0%
	\$200K to \$300K	126	4.0%
	\$300K to \$500K	1626	52.0%
	\$500K to \$750K	1071	34.3%
	\$750K to \$1,000K	207	6.6%
	Over \$1,000K	92	2.9%
Overall		3126	100.0%
Excluded		0	
Total		3126	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT \$25K	1.009	1.003	.037	7.9%
\$100K to \$150K	1.491	1.000	.000	
\$200K to \$300K	.982	1.000	.051	6.7%
\$300K to \$500K	.980	1.000	.047	6.2%
\$500K to \$750K	.979	1.000	.050	6.6%
\$750K to \$1,000K	.965	1.000	.056	7.2%
Over \$1,000K	.947	.936	.069	8.9%
Overall	.979	.996	.050	6.6%

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	1212.00	2862	91.6%
	1215.00	1	0.0%
	1225.00	9	0.3%
	1230.00	254	8.1%
Overall		3126	100.0%
Excluded		0	
Total		3126	

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
1212.00	.979	1.004	.051	6.8%
1215.00	.837	1.000	.000	
1225.00	.985	.994	.037	5.1%
1230.00	.976	1.002	.033	4.5%
Overall	.979	.996	.050	6.6%



Improvement Age

Case Processing Summary

		Count	Percent
AgeRec	Over 100	1	0.0%
	75 to 100	1	0.0%
	50 to 75	150	4.8%
	25 to 50	578	18.5%
	5 to 25	1258	40.2%
	5 or Newer	1138	36.4%
Overall		3126	100.0%
Excluded		0	
Total		3126	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
Over 100	.610	1.000	.000	
75 to 100	.973	1.000	.000	
50 to 75	.973	1.005	.060	8.5%
25 to 50	.977	1.005	.055	7.1%
5 to 25	.979	.990	.044	5.8%
5 or Newer	.979	.999	.052	6.9%
Overall	.979	.996	.050	6.6%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	LE 500 sf	6	0.2%
	500 to 1,000 sf	101	3.2%
	1,000 to 1,500 sf	704	22.5%
	1,500 to 2,000 sf	953	30.5%
	2,000 to 3,000 sf	1018	32.6%
	3,000 sf or Higher	344	11.0%
Overall		3126	100.0%
Excluded		0	
Total		3126	

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LE 500 sf	1.009	.972	.036	6.0%
500 to 1,000 sf	.953	1.008	.063	9.3%
1,000 to 1,500 sf	.969	1.003	.045	6.0%
1,500 to 2,000 sf	.980	1.005	.049	6.5%
2,000 to 3,000 sf	.983	1.008	.052	6.8%
3,000 sf or Higher	.988	1.005	.048	6.4%
Overall	.979	.996	.050	6.6%



Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY	2 - FAIR	310	9.9%
	3 - AVERAGE	1053	33.7%
	4 - GOOD	1656	53.0%
	5 - VERY GOOD	103	3.3%
	6 - EXCELLENT	4	0.1%
Overall		3126	100.0%
Excluded		0	
Total		3126	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
2 - FAIR	.979	1.002	.057	7.7%
3 - AVERAGE	.979	1.004	.047	6.3%
4 - GOOD	.978	.991	.050	6.6%
5 - VERY GOOD	.980	1.005	.048	6.3%
6 - EXCELLENT	.990	1.032	.085	13.9%
Overall	.979	.996	.050	6.6%

Improvement Condition

Case Processing Summary

		Count	Percent
CONDITION	1 - AVERAGE	4	0.1%
	1 - POOR	14	0.4%
	2 - GOOD	5	0.2%
	3 - AVERAGE	2164	69.2%
	4 - GOOD	685	21.9%
	AVERAGE	81	2.6%
	GOOD	173	5.5%
Overall		3126	100.0%
Excluded		0	
Total		3126	

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
1 - AVERAGE	.968	1.004	.008	1.1%
1 - POOR	1.035	1.017	.080	13.7%
2 - GOOD	1.027	1.002	.040	5.7%
3 - AVERAGE	.979	1.002	.049	6.5%
4 - GOOD	.976	1.006	.056	7.3%
AVERAGE	.979	1.000	.038	5.3%
GOOD	.975	1.002	.030	4.0%
Overall	.979	.996	.050	6.6%



Commercial Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	\$150K to \$200K	1	2.4%
	\$200K to \$300K	8	19.0%
	\$300K to \$500K	9	21.4%
	\$500K to \$750K	3	7.1%
	\$750K to \$1,000K	2	4.8%
	Over \$1,000K	19	45.2%
Overall		42	100.0%
Excluded		0	
Total		42	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
\$150K to \$200K	.919	1.000	.000	
\$200K to \$300K	.895	.988	.090	12.1%
\$300K to \$500K	.961	1.011	.106	13.1%
\$500K to \$750K	.785	1.012	.075	12.7%
\$750K to \$1,000K	.987	1.000	.001	0.2%
Over \$1,000K	.978	.968	.106	19.6%
Overall	.965	.961	.107	16.3%

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	2212.00	4	9.5%
	2215.00	1	2.4%
	2220.00	7	16.7%
	2230.00	6	14.3%
	2245.00	8	19.0%
	3212.00	5	11.9%
	3215.00	1	2.4%
	3230.00	10	23.8%
Overall		42	100.0%
Excluded		0	
Total		42	



Ratio Statistics for CURRTOT / TASP

Croup	Median	Price Related Differential	Coefficient of	Coefficient of Variation
Group	wedian	Dillerential	Dispersion	Median Centered
2212.00	.969	.967	.169	36.2%
2215.00	.853	1.000	.000	
2220.00	.975	.964	.040	8.2%
2230.00	1.023	.889	.148	21.1%
2245.00	.982	1.047	.114	16.0%
3212.00	.986	1.014	.042	10.1%
3215.00	.960	1.000	.000	
3230.00	.849	1.014	.073	12.0%
Overall	.965	.961	.107	16.3%

Improvement Age

Case Processing Summary

		Count	Percent
AgeRec	0	24	57.1%
	25 to 50	7	16.7%
	5 to 25	10	23.8%
	5 or Newer	1	2.4%
Overall		42	100.0%
Excluded		0	
Total		42	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
0	.978	.968	.095	17.8%
25 to 50	.849	.995	.038	6.9%
5 to 25	.931	1.045	.142	16.7%
5 or Newer	1.129	1.000	.000	
Overall	.965	.961	.107	16.3%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	LE 500 sf	1	2.4%
	1,000 to 1,500 sf	8	19.0%
	1,500 to 2,000 sf	5	11.9%
	2,000 to 3,000 sf	5	11.9%
	3,000 sf or Higher	23	54.8%
Overall		42	100.0%
Excluded		0	
Total		42	



Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LE 500 sf	.853	1.000	.000	
1,000 to 1,500 sf	.859	.987	.088	15.9%
1,500 to 2,000 sf	.885	1.024	.085	10.7%
2,000 to 3,000 sf	.941	1.155	.126	18.2%
3,000 sf or Higher	.978	.954	.098	18.4%
Overall	.965	.961	.107	16.3%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY		24	57.1%
	2 - FAIR	1	2.4%
	3 - AVERAGE	9	21.4%
	4 - GOOD	8	19.0%
Overall		42	100.0%
Excluded		0	
Total		42	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
	.978	.968	.095	17.8%
2 - FAIR	1.059	1.000	.000	
3 - AVERAGE	.885	.994	.061	7.8%
4 - GOOD	.847	1.048	.168	22.0%
Overall	.965	.961	.107	16.3%

Vacant Land Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	1	3.2%
	\$50K to \$100K	2	6.5%
	\$150K to \$200K	4	12.9%
	\$200K to \$300K	8	25.8%
	\$300K to \$500K	4	12.9%
	\$500K to \$750K	2	6.5%
	\$750K to \$1,000K	2	6.5%
	Over \$1,000K	8	25.8%
Overall		31	100.0%
Excluded		0	
Total		31	



Ratio Statistics for CURRLND / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT \$25K	1.115	1.000	.000	
\$50K to \$100K	.735	1.027	.415	58.7%
\$150K to \$200K	1.150	1.000	.211	25.7%
\$200K to \$300K	1.049	1.010	.201	25.7%
\$300K to \$500K	.912	1.014	.112	15.3%
\$500K to \$750K	1.023	1.007	.059	8.3%
\$750K to \$1,000K	.931	1.000	.111	15.8%
Over \$1,000K	.970	.921	.212	30.4%
Overall	.984	1.043	.191	26.8%

Subclass

Case Processing Summary

_	_	
	Count	Percent
100.00	6	19.4%
200.00	3	9.7%
510.00	1	3.2%
1112.00	10	32.3%
1125.00	2	6.5%
1135.00	1	3.2%
2112.00	3	9.7%
2115.00	1	3.2%
2130.00	3	9.7%
2135.00	1	3.2%
	31	100.0%
Excluded		
	31	
	200.00 510.00 1112.00 1125.00 1135.00 2112.00 2115.00 2130.00	100.00 6 200.00 3 510.00 1 1112.00 10 1125.00 2 1135.00 1 2112.00 3 2115.00 1 2130.00 3 2135.00 1

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
100.00	.912	.989	.179	26.9%
200.00	1.000	1.035	.027	4.1%
510.00	1.115	1.000	.000	
1112.00	1.160	1.007	.198	23.4%
1125.00	1.106	.961	.108	15.3%
1135.00	.889	1.000	.000	
2112.00	.963	1.330	.185	31.6%
2115.00	1.029	1.000	.000	
2130.00	.827	1.170	.185	28.1%
2135.00	.529	1.000	.000	
Overall	.984	1.043	.191	26.8%