

2022 MONTROSE COUNTY PROPERTY ASSESSMENT STUDY







September 15, 2022

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

RE: Final Report for the 2022 Colorado Property Assessment Study

Dear Ms. Mullis:

Wildrose Appraisal Inc.-Audit Division is pleased to submit the Final Reports for the 2022 Colorado Property Assessment Study.

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

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

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

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

Harry J. Fuller Project Manager

Harry J. Dulla

Wildrose Appraisal Inc. - Audit Division



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INTRODUCTION



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

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

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

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

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

The property assessment audit conducts a 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.

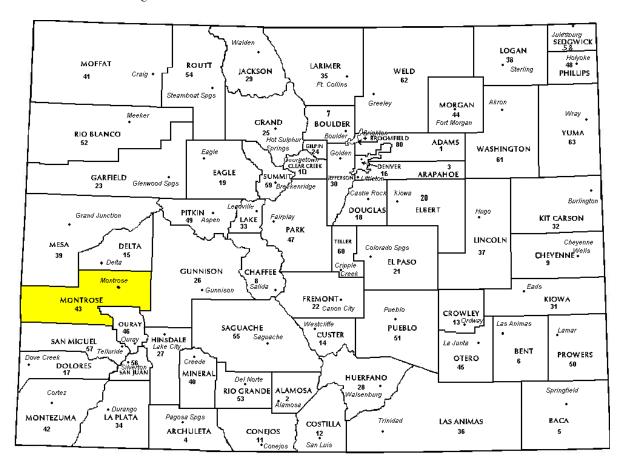
Wildrose Audit has completed the Property Assessment Study for 2022 and is pleased to report its findings for Montrose County in the following report.



REGIONAL/HISTORICAL SKETCH OF MONTROSE COUNTY

Regional Information

Montrose 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

Montrose County has approximately 2,240.7 square miles and an estimated population of approximately 42,758 people, according to the U.S. Census Bureau's 2020 estimated census data. This represents a 3.6 percent change from April 1, 2010 to July 1, 2019.

The first settlers came to the Uncompanding Valley in the 1870s, but legally could not purchase land until after September 1881, when the Ute Indians were removed from their land and put on a reservation in Utah. The first stake was driven in December of 1881 and in 1882 Montrose officially became a town.

Montrose County, formed from a part of Gunnison County, was established in 1883 with an area of 2,238 square miles. It was named for the town of Montrose, which is the county seat. The town was known by the names of Pomona, Dad's Town, Uncompander Town, and several other names, before it finally came to be known as Montrose. Joseph Selig suggested the name Montrose after a favorite character in Sir Walter Scott's novel, The Legend of Montrose.

In 1882, the Denver & Rio Grande Railroad Co. built its narrow gauge mainline railroad through Montrose on its way from Denver to Salt Lake City, Utah. In 1890 the D&RGRR completed its standard gauge railroad from Denver to Grand Junction, leaving Montrose on the narrow gauge from Salida to Grand Junction and Ouray. In 1906, the track from Grand Junction to Montrose was changed from narrow gauge to standard gauge.

In 1909 the Gunnison Tunnel opened providing irrigation water from the Gunnison River in the Black Canyon to the Uncompandere Valley helping turn Montrose into an agricultural hub as well.

Today Montrose serves as the gateway to the Black Canyon of the Gunnison National Park to the east of town and winter transportation hub to ski areas of the San Juan Mountains to the south. The majority of the County is made up of National Forest, Bureau of Land Management or National Park lands. The main cities include Montrose, Maher, Naturita, Nucla, Olathe and Paradox.

(www.Wikipedia.org, www.co.montrose.co.us, www.cityofmontrose.org)



RATIO ANALYSIS

Methodology

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

Although it was required that we examine the median and coefficient of dispersion for all counties, we also calculated the weighted mean and price-related differential for each class of property. Counties were not passed or failed by these latter measures, but were counseled if there were anomalies noted during our analysis. Qualified sales were based on the qualification code used by each county, which were typically coded as either "Q" or "C." The ratio analysis included all sales. The data was trimmed for counties with obvious outliers using IAAO standards for data analysis. In every case, we examined the loss in data from

trimming to ensure that only true outliers were excluded. Any county with a significant portion of sales excluded by this trimming method was examined further. No county was allowed to pass the audit if more than 5% of the sales were "lost" because of trimming.

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

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

Conclusions

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

ALLOWABLE STANDARDS RATIO GRID				
Property Class	Unweighted Median Ratio	Coefficient of Dispersion		
Commercial/Industrial	Between .95-1.05	Less than 20.99		
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 Montrose County are:

Montrose County Ratio Grid						
Property Class	Number of Qualified Sales	Unweighted Median Ratio	Price Related Differential	Coefficient of Dispersion	Time Trend Analysis	
Commercial/Industrial	56	0.967	1.033	11.9	Compliant	
Single Family	1,166	0.999	1.005	7.9	Compliant	
Vacant Land	237	1.000	1.058	10.1	Compliant	

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

Montrose 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 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 F	Results
Property Class	Results
Commercial/Industrial	Compliant
Single Family	Compliant
Vacant Land	Compliant

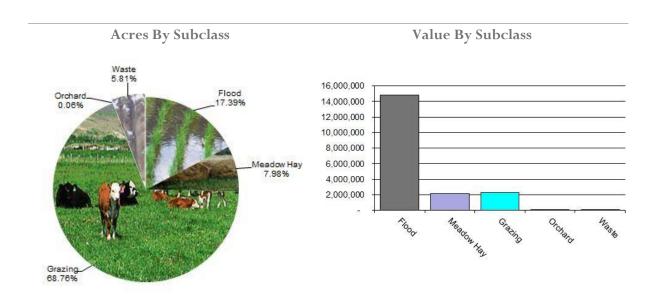
Conclusions

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



	Montrose 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	64,121	210.22	13,479,436	14,261,421	0.95
4137	Meadow Hay	29,431	66.32	1,951,908	1,951,908	1.00
4147	Grazing	253,607	8.42	2,135,802	2,135,802	1.00
4157	Orchard	220	251.59	57,059	57,059	1.00
4167	Waste	21,434	2.20	47,184	47,184	1.00
Total/Avg		368,812	47.91	17,671,389	18,453,374	0.96

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

Montrose 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

Montrose 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.:

Aerial Photography/Pictometry

Montrose 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

Montrose 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 2022 for Montrose County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 37 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

Montrose County appears to be doing an adequate job of verifying their sales. WRA

agreed with the county's reason for disqualifying each of the sales selected in the sample. There are no recommendations or suggestions.

Recommendations



ECONOMIC AREA REVIEW AND EVALUATION

Methodology

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

Methodology

Colorado Revised Statutes (CRS) Article 39, Section 6, and the Assessor's Reference Library (ARL), Volume 3 are the basis for valuing producing mine property. The gross value of the ore extracted during the preceding year is determined. All costs of treatment, reduction, transportation and sale are deducted to estimate gross proceeds. The costs of extraction are deducted from the gross proceeds to estimate net proceeds.

The current value for assessment is determined by determining if 25% of the gross proceeds or 100% of the net proceeds is greater, then applying that number as the valuation for assessment.

Conclusions

The County valued the producing mine production using acceptable appraisal procedures.

Recommendations



VACANT LAND

Subdivision Discounting

Subdivisions were reviewed in 2022 in Montrose 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

Montrose 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.

Montrose County has been reviewed for their procedures and adherence to guidelines when assessing and valuing agricultural and commercial possessory interest properties. The county has also been queried as to their confidence that the possessory interest properties have been discovered and placed on the tax rolls.

Conclusions

Montrose 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

Montrose County was studied for its procedural compliance with the personal property assessment outlined in the Assessor's Reference Library (ARL) Volume 5, and in the (SBOE) State Board of Equalization requirements for the assessment of personal property. The SBOE requires that counties use ARL Volume 5, including current discovery, classification, documentation procedures, current economic lives table, cost factor tables, depreciation table, and level of value adjustment factor table.

The personal property audit standards narrative must be in place and current. A listing of businesses that have been audited by the assessor within the twelve-month period reflected in the plan is given to the auditor. The audited businesses must be in conformity with those described in the plan.

Aggregate ratio will be determined solely from the personal property accounts that have been physically inspected. The minimum assessment sample is one percent or ten schedules, whichever is greater, and the maximum assessment audit sample is 100 schedules.

For the counties having over 100,000 population, WRA selected a sample of all personal property schedules to determine whether the assessor is correctly applying the provisions of law and manuals of the Property Tax Administrator in arriving at the assessment levels of such property. This sample was selected from the personal property schedules audited by the assessor. In no event was the sample selected by the contractor less than 30 schedules. The counties to be included in this study are Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo, and Weld. All other counties received a procedural study.

Montrose County is compliant with the guidelines set forth in ARL Volume 5 regarding discovery procedures, using the following methods to discover personal property accounts in the county:

- Public Record Documents
- MLS Listing and/or Sold Books
- Chamber of Commerce/Economic Development Contacts
- Local Telephone Directories, Newspapers or Other Local Publications
- Personal Observation, Physical Canvassing or Word of Mouth
- Questionnaires, Letters and/or Phone Calls to Buyer, Seller and/or Realtor

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

Montrose County submitted their personal property written audit plan and was current for the 2022 valuation period. The number and listing of businesses audited was also submitted and was in conformance with the written audit plan. The following audit triggers were used by the county to select accounts to be audited:

- Businesses in a selected area
- Accounts with obvious discrepancies
- New businesses filing for the first time
- Accounts with greater than 10% change
- Incomplete or inconsistent declarations
- 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 \$50,000 actual value exemption status
- Lowest or highest quartile of value per square foot
- Accounts protested with substantial disagreement

Conclusions

Montrose 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



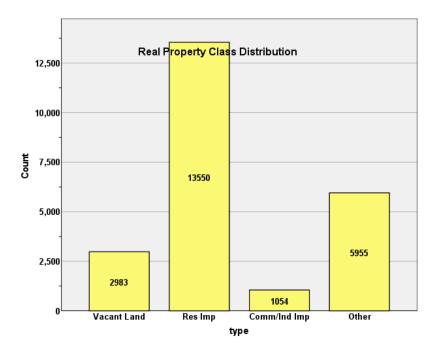
APPENDICES



STATISTICAL COMPLIANCE REPORT FOR MONTROSE COUNTY 2022

I. OVERVIEW

Montrose County is located in western Colorado. The county has a total of 23,542 Real property parcels, according to data submitted by the county assessor's office in 2022. 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 and 1112) accounted for 44.3% of all vacant land parcels.

For residential improved properties, single family properties accounted for 96.8% of all residential properties.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial sales accounted for 4.5% of all such properties in this county.

II. DATA FILES

The following sales analyses were based on the requirements of the 2022 Colorado Property Assessment Study. Information was provided by the Montrose Assessor's Office in May 2022. The data included all 5 property record files as specified by the Auditor.



III. RESIDENTIAL SALES RESULTS

There were 1,166 qualified residential sales in Montrose County for the 18-month sale period ending June 30, 2020. The sales ratio analysis was analyzed as follows:

Median	0.999
Price Related Differential	1.005
Coefficient of Dispersion	7.9

We next stratified the sale ratio analysis by economic area and neighborhood, the latter with sales of 20 or more.

Economic Area Case Processing Summary

		Count	Percent
ECONAREA	1.00	780	67.6%
	2.00	1	0.1%
	5.00	239	20.7%
	6.00	134	11.6%
Overall		1154	100.0%
Excluded		12	
Total		1166	

Ratio Statistics for CURRTOT / TASP

			Price Related	Coefficient of
Group	N	Median	Differential	Dispersion
1.00	780	.999	1.004	.065
2.00	1	.515	1.000	.000
5.00	239	.997	1.002	.092
6.00	134	1.006	1.015	.135
Overall	1154	.999	1.005	.079

Neighborhood w/Ge 20 Sales Case Processing Summary

		Count	Percent
NBHD	1010	37	7.8%
	1070	21	4.4%
	1300	44	9.3%
	1330	25	5.3%
	1340	25	5.3%
	1375	22	4.7%
	1850	34	7.2%
	1929	44	9.3%
	3000	24	5.1%
	5200	24	5.1%
	5500	53	11.2%
	5700	44	9.3%
	5750	22	4.7%
	6100	31	6.6%
	6120	23	4.9%
Overall		473	100.0%
Excluded		0	
Total		473	

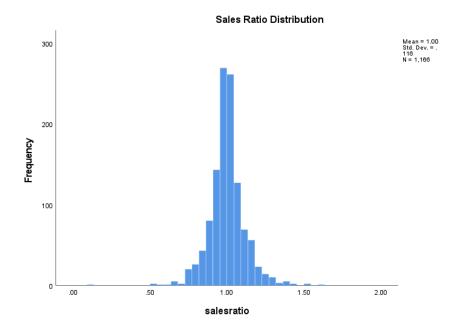


Ratio Statistics for CURRTOT / TASP

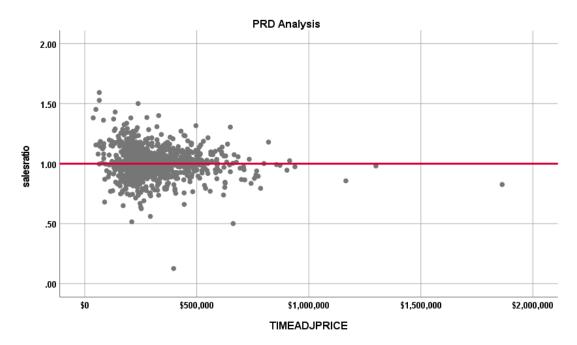
			Price Related	Coefficient of
Group	N	Median	Differential	Dispersion
1010	37	.999	.998	.075
1070	21	1.003	.999	.067
1300	44	.979	1.000	.092
1330	25	.992	.995	.104
1340	25	1.013	.999	.116
1375	22	.997	1.006	.043
1850	34	1.001	1.003	.057
1929	44	1.003	1.001	.051
3000	24	1.004	.978	.108
5200	24	.993	.994	.078
5500	53	1.018	1.004	.084
5700	44	1.002	1.008	.110
5750	22	1.000	1.008	.065
6100	31	1.002	1.005	.134
6120	23	1.025	1.002	.106
Overall	473	1.001	1.002	.086

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 and by neighborhood.

The following graphs describe further the sales ratio distribution for these properties:



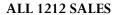


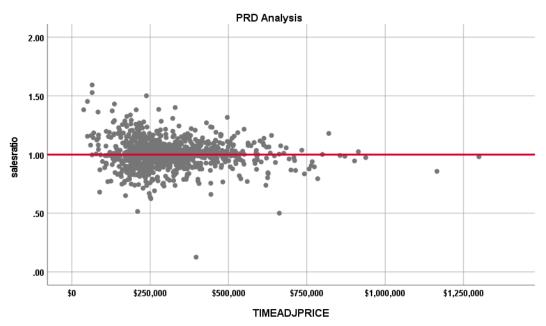


The above graphs indicate that the distribution of the sale ratios was within state mandated limits. No sales were trimmed.

Subclass 1212 PRD Analysis

We next analyzed residential properties identified as 1212 using the state abstract code system. These include single family residences, town homes and purged manufactured homes. The following indicates the distribution of sales ratios across the sale price spectrum:







The Price-Related Differential (PRD) for all 1212 sales is 1.005, which is within IAAO standards for the PRD. We also performed a regression analysis between the sales ratio and the assessor's current value to further test for regressivity or progressivity in the residential sales valuation, as follows:

Coefficients^a

		Unstandardized Coefficie	nts	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.963	.008		115.438	.000
	CURRTOT	.000000126	.000	.147	5.011	<.001

a. Dependent Variable: salesratio

Although the statistical relationship was significant, the magnitude of the slope at 0.000000126 reflects that there is virtually no slope in the regression line. This indicates that sales ratios are similar across the entire sale price array.

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

Case Processing Summary

		Count	Percent
SPRec	LT \$150K	65	5.7%
	\$150K to \$250K	364	31.9%
	\$250K to \$400K	510	44.7%
	\$400K to \$500K	114	10.0%
	\$500K to \$750K	74	6.5%
	\$750K to \$1000K	12	1.1%
	\$1000K to \$2000K	2	0.2%
Overall		1141	100.0%
Excluded		0	
Total		1141	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT \$150K	1.019	1.016	.133	18.4%
\$150K to \$250K	.992	1.000	.092	12.6%
\$250K to \$400K	1.000	1.000	.061	9.6%
\$400K to \$500K	1.009	.999	.072	10.2%
\$500K to \$750K	.994	1.003	.084	11.6%
\$750K to \$1000K	.960	.997	.069	9.8%
\$1000K to \$2000K	.919	.996	.067	9.5%
Overall	.999	1.005	.078	11.5%

Based on the above analysis, we concluded that there was no consistent pattern of regressivity or progressivity in the residential sale data for Montrose County.

Residential Market Trend Analysis

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



Coefficients^a

		Unstandardized		Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.994	.007		147.125	.000
	SalePeriod	.001	.001	.034	1.172	.241

a. Dependent Variable: salesratio



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 2022 between each group, as follows:

Rep	ort
VAL	SF

sold	N	Median	Mean
UNSOLD	12010	\$173	\$173
SOLD	1144	\$176	\$175



We next stratified the analysis by economic area, as follows:

Re	port
VA	LSF

ECONAREA	sold	N	Median	Mean
1.00	UNSOLD	6722	\$174	\$173
	SOLD	772	\$178	\$177
5.00	UNSOLD	3222	\$190	\$197
	SOLD	231	\$189	\$193
6.00	UNSOLD	1881	\$130	\$138
	SOLD	129	\$131	\$134

We next stratified the analysis by neighborhoods with at least 25 sales, as follows:

report
VALSF
VALSI
NBHD
שווטוו
4040

VALSE				
NBHD	sold	N	Median	Mean
1010	UNSOLD	372	\$178	\$175
	SOLD	37	\$183	\$187
1300	UNSOLD	335	\$154	\$154
	SOLD	44	\$158	\$160
1330	UNSOLD	171	\$155	\$155
	SOLD	25	\$152	\$157
1340	UNSOLD	245	\$168	\$170
	SOLD	25	\$186	\$178
1850	UNSOLD	346	\$198	\$197
	SOLD	34	\$198	\$198
1929	UNSOLD	229	\$175	\$169
	SOLD	44	\$179	\$178
5500	UNSOLD	829	\$204	\$208
	SOLD	53	\$213	\$212
5700	UNSOLD	619	\$204	\$209
	SOLD	44	\$193	\$206
6100	UNSOLD	382	\$157	\$163
	SOLD	30	\$161	\$166

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

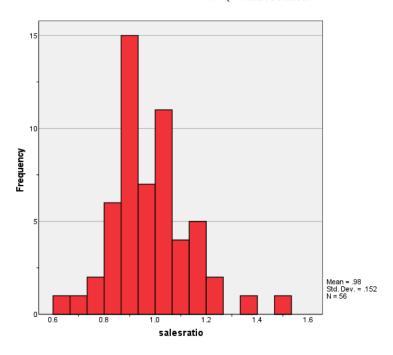
IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

There were 56 qualified commercial sales in Montrose County for the 24 month sale period ending June 30, 2020. The sales ratio analysis was analyzed as follows:

Median	0.967
Price Related Differential	1.033
Coefficient of Dispersion	11.9

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







Commercial Market Trend Analysis

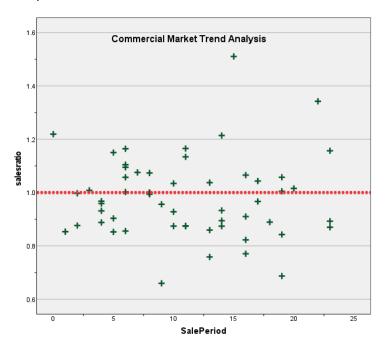
The commercial/industrial sales were analyzed, examining the sale ratios across a 24-month sale period with the following results:



Coefficients^a

		Unstandardized		Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.984	.042		23.502	<.001
	SalePeriod	.000	.003	010	076	.940

a. Dependent Variable: salesratio



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

Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold commercial/industrial properties, we compared the median actual value per square foot for 2022 between each group, as follows:

Report VALSF

sold	N	Median	Mean	
UNSOLD	1006	\$84	\$109	
SOLD	56	\$93	\$113	

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}	Decision
1	The distribution of VALSF is the same across categories of sold.	Independent-Samples Mann- Whitney U Test	.228	Retain the null hypothesis.

a. The significance level is .005.

b. Asymptotic significance is displayed.



The overall results indicated that sold and unsold commercial properties were valued in a similar manner. We next performed the same comparison analysis stratified by subclass:

Report VALSF				
ABSTRIMP	sold	N	Median	Mean
2212.00	UNSOLD	165	\$73	\$116
	SOLD	7	\$98	\$104
2220.00	UNSOLD	122	\$133	\$139
	SOLD	10	\$134	\$124
2230.00	UNSOLD	283	\$85	\$118
	SOLD	16	\$69	\$118
2235.00	UNSOLD	114	\$49	\$60
	SOLD	5	\$42	\$42
2245.00	UNSOLD	123	\$120	\$116
	SOLD	3	\$93	\$101

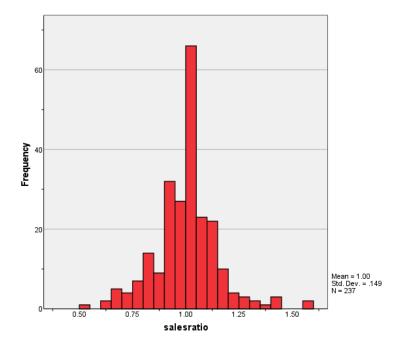
The above indicated that the assessor has valued both groups consistently.

V. VACANT LAND SALE RESULTS

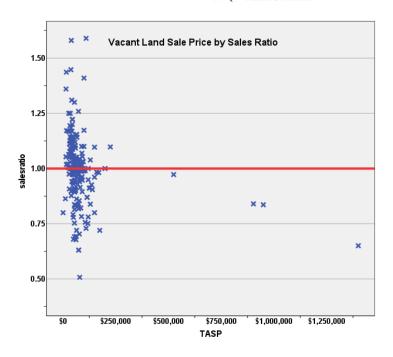
There were 237 qualified vacant land sales in Montrose County for the 18 month sale period ending June 30, 2020. The sales ratio analysis was analyzed as follows:

Median	1.000
Price Related Differential	1.058
Coefficient of Dispersion	10.1

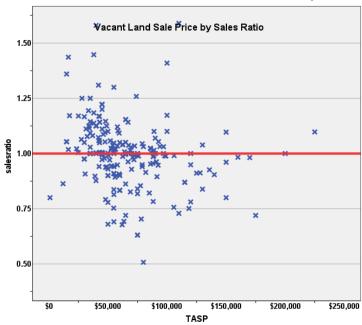
The above table indicates that the Montrose County vacant land sale ratios were in compliance with the SBOE standards. The following histogram and scatter plot describe the sales ratio distribution further:







VACANT LAND SALES LESS THAN \$250,000



Vacant Land Market Trend Analysis

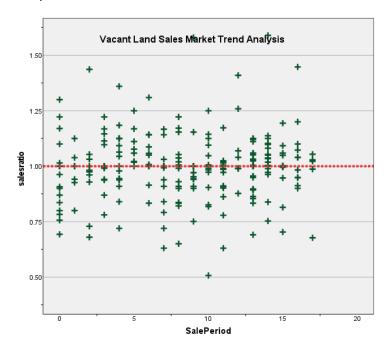
The vacant land sales were analyzed, examining the sale ratios across the 18 month sale period with the following results:



Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.987	.019		51.615	<.001
	SalePeriod	.001	.002	.047	.722	.471

a. Dependent Variable: salesratio



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

Sold/Unsold Analysis

We compared the median change in actual value between 2018 and 2020 for vacant land properties to determine if sold and unsold properties were valued consistently, as follows:

Report			
DIFF			
sold	N	Median	Mean
UNSOLD	2376	1.15	1.13
SOLD	227	1.13	1.15



We also stratified this analysis by subdivision with at least 3 sales, as follows:

Report DIFF				
SUBDIVNO	sold	N	Median	Mean
1224	UNSOLD	3	.96	.96
	SOLD	3	.96	.96
2337	UNSOLD	4	.96	.96
	SOLD	3	.96	1.00
2575	UNSOLD	20	1.06	1.06
	SOLD	3	1.06	1.06
2579	UNSOLD	30	1.06	1.06
	SOLD	3	1.06	1.06
2775	UNSOLD	1	1.06	1.06
	SOLD	5	1.06	1.06
754109	UNSOLD	1	1.08	1.08
	SOLD	5	1.08	1.08
780829	UNSOLD	6	1.21	1.21
	SOLD	5	1.21	1.35
781538	UNSOLD	6	.97	.98
	SOLD	3	.97	.94
796093	UNSOLD	3	1.16	1.16
	SOLD	3	1.16	1.16
866156	UNSOLD	4	1.15	1.11
	SOLD	6	.85	1.00
866853	UNSOLD	2	1.24	1.24
	SOLD	4	1.24	1.24
897006	UNSOLD	1	1.08	1.08
	SOLD	3	1.20	1.20
905515	UNSOLD	3	1.56	1.40
	SOLD	5	1.56	1.56
908128	UNSOLD	24	1.08	1.07
	SOLD	5	1.08	1.06
927108	UNSOLD	4	.92	1.13
	SOLD	5	1.19	1.20

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

V. CONCLUSIONS

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



STATISTICAL ABSTRACT

Residential

	Ratio Statistics for CURRTOT / TASP											
	95% Confiden Me			95% Cor	ifidence Interval i	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
1.001	.994	1.007	.999	.996	1.001	95.0%	.996	.988	1.003	1.005	.079	11.6%

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/Industrial

	Ratio Statistics for CURRTOT / TASP											
		nce Interval for ean		95% Cor	ifidence Interval	for Median		95% Confider Weighte	ice Interval for ed 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
.981	.941	1.022	.967	.904	1.008	95.6%	.950	.887	1.013	1.033	.119	15.4%

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

	Ratio Statistics for CURRLND / TASP											
	95% Confiden Me			95% Cor	nfidence Interval i	for Median		95% Confiden Weighte	ce 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
.999	.980	1.018	1.000	1.000	1.002	96.3%	.944	.895	.993	1.058	.101	14.9%

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

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	.00	1	0.1%
	1212.00	1139	97.7%
	1213.50	2	0.2%
	1215.00	7	0.6%
	1220.00	3	0.3%
	1225.00	1	0.1%
	1230.00	12	1.0%
	4277.00	1	0.1%
Overall		1166	100.0%
Excluded		0	
Total		1166	

Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
.00	.515	1.000	.000	i.
1212.00	1.000	1.004	.077	11.3%
1213.50	.693	.972	.191	27.0%
1215.00	.943	1.027	.132	19.1%
1220.00	1.021	.965	.136	21.7%
1225.00	.826	1.000	.000	
1230.00	.995	1.000	.036	5.7%
4277.00	.501	1.000	.000	
Overall	.999	1.005	.079	11.6%

Age

Case Processing Summary

		Count	Percent
AgeRec	0	22	1.9%
	Over 100	88	7.5%
	75 to 100	41	3.5%
	50 to 75	119	10.2%
	25 to 50	244	20.9%
	5 to 25	465	39.9%
	5 or Newer	187	16.0%
Overall		1166	100.0%
Excluded		0	
Total		1166	



Ratio Statistics for CURRTOT / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
0	.985	1.006	.130	17.7%
Over 100	.961	1.008	.105	13.9%
75 to 100	.975	1.008	.147	18.5%
50 to 75	.993	1.013	.114	15.5%
25 to 50	.997	1.011	.088	12.4%
5 to 25	1.001	1.005	.066	9.4%
5 or Newer	1.005	1.003	.043	8.5%
Overall	.999	1.005	.079	11.6%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	0	22	1.9%
	500 to 1,000 sf	72	6.2%
	1,000 to 1,500 sf	392	33.6%
	1,500 to 2,000 sf	378	32.4%
	2,000 to 3,000 sf	257	22.0%
	3,000 sf or Higher	45	3.9%
Overall		1166	100.0%
Excluded		0	
Total		1166	

Ratio Statistics for CURRTOT / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
0	.985	1.006	.130	17.7%
500 to 1,000 sf	.948	1.037	.125	17.4%
1,000 to 1,500 sf	.987	1.008	.075	10.8%
1,500 to 2,000 sf	1.002	1.009	.064	10.3%
2,000 to 3,000 sf	1.016	1.010	.082	11.6%
3,000 sf or Higher	1.026	1.025	.088	12.0%
Overall	.999	1.005	.079	11.6%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY		26	2.2%
	2 - CLASS 2	67	5.7%
	3 - CLASS 3	784	67.2%
	4 - CLASS 4	233	20.0%
	5 - CLASS 5	53	4.5%
	6 - CLASS 6	3	0.3%
Overall		1166	100.0%
Excluded		0	
Total		1166	



Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
	.985	1.020	.133	17.9%
2 - CLASS 2	.997	1.024	.112	16.3%
3 - CLASS 3	.999	1.003	.080	11.4%
4 - CLASS 4	1.002	1.001	.059	10.1%
5 - CLASS 5	1.000	1.006	.079	10.0%
6 - CLASS 6	.949	1.001	.030	5.4%
Overall	.999	1.005	.079	11.6%

Commercial Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	1	1.8%
	\$50K to \$100K	6	10.7%
	\$100K to \$150K	4	7.1%
	\$150K to \$200K	7	12.5%
	\$200K to \$300K	11	19.6%
	\$300K to \$500K	9	16.1%
	\$500K to \$750K	8	14.3%
	\$750K to \$1,000K	3	5.4%
	Over \$1,000K	7	12.5%
Overall		56	100.0%
Excluded		0	
Total		56	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT \$25K	.959	1.000	.000	
\$50K to \$100K	1.016	.981	.123	22.6%
\$100K to \$150K	1.123	.999	.085	13.1%
\$150K to \$200K	.928	.998	.090	11.8%
\$200K to \$300K	.904	.999	.117	18.4%
\$300K to \$500K	.874	1.004	.134	20.4%
\$500K to \$750K	1.009	1.003	.048	6.5%
\$750K to \$1,000K	.994	1.004	.070	12.4%
Over \$1,000K	.874	.998	.148	21.0%
Overall	.967	1.033	.119	15.7%



Subclass

Case Processing Summary

	•	Count	Percent
ABSTRIMP	1212.00	5	8.9%
	1713.50	1	1.8%
	1716.00	1	1.8%
	1880.67	1	1.8%
	1964.25	1	1.8%
	2212.00	7	12.5%
	2216.00	1	1.8%
	2220.00	10	17.9%
	2223.50	1	1.8%
	2230.00	16	28.6%
	2233.33	1	1.8%
	2235.00	5	8.9%
	2245.00	3	5.4%
	3212.00	1	1.8%
	3215.00	1	1.8%
	3230.00	1	1.8%
Overall		56	100.0%
Excluded		0	
Total		56	

Ratio Statistics for CURRTOT / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
1212.00	.875	1.008	.117	26.7%
1713.50	.904	1.000	.000	
1716.00	1.001	1.000	.000	
1880.67	1.076	1.000	.000	
1964.25	.874	1.000	.000	
2212.00	.933	1.001	.100	12.6%
2216.00	1.016	1.000	.000	
2220.00	1.080	1.120	.093	14.2%
2223.50	.910	1.000	.000	
2230.00	.930	1.074	.145	21.5%
2233.33	.895	1.000	.000	
2235.00	.959	1.023	.110	15.7%
2245.00	.967	.975	.040	6.3%
3212.00	.968	1.000	.000	
3215.00	1.157	1.000	.000	
3230.00	1.034	1.000	.000	
Overall	.967	1.033	.119	15.7%

Age

Case Processing Summary

		Count	Percent
AgeRec	Over 100	6	10.7%
	50 to 75	14	25.0%
	25 to 50	20	35.7%
	5 to 25	16	28.6%
Overall		56	100.0%
Excluded		0	
Total		56	



Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Variation Median Centered
Over 100	.905	1.014	.163	24.9%
50 to 75	.919	1.031	.085	11.3%
25 to 50	.999	1.015	.119	15.1%
5 to 25	.998	1.070	.112	17.6%
Overall	.967	1.033	.119	15.7%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	500 to 1,000 sf	3	5.4%
	1,000 to 1,500 sf	4	7.1%
	1,500 to 2,000 sf	8	14.3%
	2,000 to 3,000 sf	14	25.0%
	3,000 sf or Higher	27	48.2%
Overall		56	100.0%
Excluded		0	
Total		56	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
500 to 1,000 sf	.904	1.020	.031	4.9%
1,000 to 1,500 sf	.871	1.013	.055	9.3%
1,500 to 2,000 sf	.940	1.009	.123	14.2%
2,000 to 3,000 sf	1.008	1.004	.115	18.6%
3,000 sf or Higher	.956	1.034	.123	15.2%
Overall	.967	1.033	.119	15.7%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY	1 - LOW	1	1.8%
	1.5 - FAIR	2	3.6%
	2 - AVERAGE	42	75.0%
	2.5 - ABOVE AVERAGE	3	5.4%
	3 - CLASS 3	5	8.9%
	3 - GOOD	2	3.6%
	5 - CLASS 5	1	1.8%
Overall		56	100.0%
Excluded		0	
Total		56	



Ratio Statistics for CURRTOT / TASP

_		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
1 - LOW	1.095	1.000	.000	
1.5 - FAIR	.927	1.050	.076	10.8%
2 - AVERAGE	.981	1.022	.115	15.3%
2.5 - ABOVE AVERAGE	.874	1.091	.147	22.1%
3 - CLASS 3	.875	1.008	.117	26.7%
3 - GOOD	.938	1.045	.072	10.2%
5 - CLASS 5	1.001	1.000	.000	
Overall	.967	1.033	.119	15.7%

Vacant Land Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	11	4.6%
	\$25K to \$50K	89	37.6%
	\$50K to \$100K	109	46.0%
	\$100K to \$150K	19	8.0%
	\$150K to \$200K	4	1.7%
	\$200K to \$300K	1	0.4%
	\$500K to \$750K	1	0.4%
	\$750K to \$1,000K	2	0.8%
	Over \$1,000K	1	0.4%
Overall		237	100.0%
Excluded	d	0	
Total		237	

Ratio Statistics for CURRLND / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
LT \$25K	1.053	.976	.128	18.3%
\$25K to \$50K	1.049	1.005	.089	12.2%
\$50K to \$100K	.991	.996	.092	13.7%
\$100K to \$150K	.911	1.000	.125	20.9%
\$150K to \$200K	.982	.999	.072	15.5%
\$200K to \$300K	1.098	1.000	.000	
\$500K to \$750K	.973	1.000	.000	
\$750K to \$1,000K	.838	1.000	.002	0.3%
Over \$1,000K	.651	1.000	.000	
Overall	1.000	1.058	.101	14.9%



Subclass

Case Processing Summary

		Count	Percent
ABSTRLND	100.00	64	27.0%
	200.00	9	3.8%
	300.00	1	0.4%
	365.00	1	0.4%
	520.00	4	1.7%
	530.00	2	0.8%
	540.00	2	0.8%
	550.00	10	4.2%
	1112.00	134	56.5%
	1135.00	6	2.5%
	2120.00	1	0.4%
	2130.00	2	0.8%
	2135.00	1	0.4%
Overall		237	100.0%
Excluded		0	
Total		237	

Ratio Statistics for CURRLND / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
100.00	1.004	1.035	.109	16.3%
200.00	.907	1.020	.077	9.3%
300.00	.973	1.000	.000	
365.00	1.097	1.000	.000	
520.00	1.001	1.011	.117	18.5%
530.00	.886	1.009	.116	16.5%
540.00	.946	1.243	.239	33.8%
550.00	1.000	.995	.090	16.4%
1112.00	1.000	1.020	.091	13.1%
1135.00	.996	.991	.083	13.1%
2120.00	1.590	1.000	.000	
2130.00	.743	1.024	.125	17.6%
2135.00	1.169	1.000	.000	
Overall	1.000	1.058	.101	14.9%