LA PLATA COUNTY

2020
LA PLATA COUNTY PROPERTY ASSESSMENT STUDY

WILDROSE
APPRAISAL, INCORPORATED
Audit Division

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Audit Division

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
Wildrose Appraisal Inc. – Audit Division

TABLE OF CONTENTS

INTRODUCTION

Colorado

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

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

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

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

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

The property assessment audit conducts a two-part analysis: A procedural analysis and a statistical analysis.

The procedural analysis includes all classes of property and specifically looks at how the assessor develops economic areas, confirms and qualifies sales, and develops time adjustments. The audit also examines the procedures for adequately discovering, classifying and valuing agricultural outbuildings, discovering subdivision build-out and subdivision discounting procedures. Valuation methodology for vacant land, improved residential properties and commercial 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.

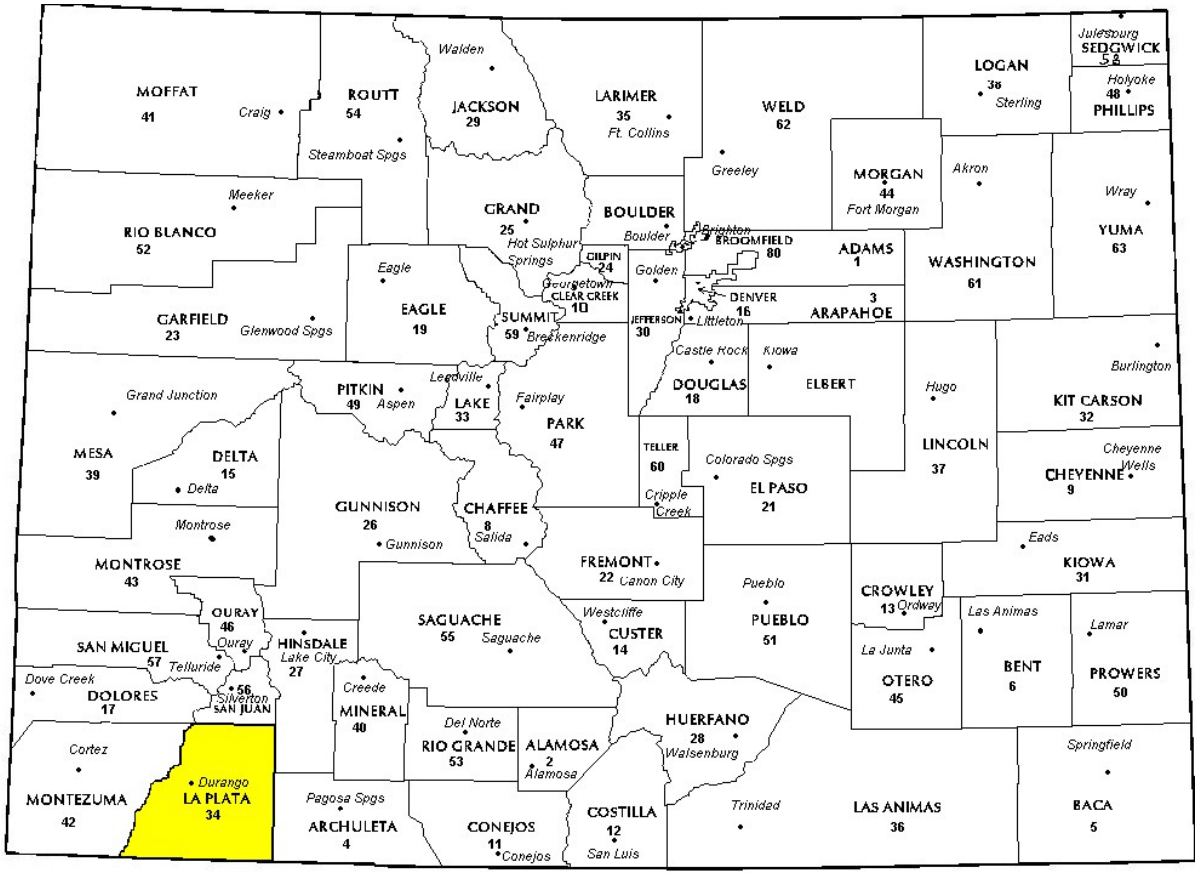
Statistical analysis is performed on vacant land, residential properties, commercial/industrial properties, agricultural land, and personal property. The statistical study results are compared with State Board of Equalization compliance requirements and the manuals published by the State Property Tax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

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

REGIONAL/HISTORICAL SKETCH OF LA PLATA COUNTY

Regional Information

La Plata 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

La Plata County had an estimated population of approximately 55,623 people with 32.87 people per square mile, according to the U.S. Census Bureau's 2016 estimated census data. This represents a 8.35 percent change from April 1, 2010 to July 1, 2016.

La Plata County is in the San Juan Mountains in southwestern Colorado. It is named for the Spanish word for "silver." The search for gold in the La Plata Mountains resulted in a thriving mining industry for several years. It was one of the first places to be prospected in southwestern Colorado. Some of the richest gold mines in the state were located in La Plata County, with a great quantity of ore extracted. During the mining era in La Plata Canyon, coal mining became a prosperous industry around the Hesperus and Hay Gulch areas.

Agriculture replaced mining as the principle industry, with ranching leading in the earlier years. All the mesa lands were considered open range, and numerous herds of cattle, horses and sheep grazed from the New Mexico border to the mountain area. Open range was terminated with the enactment of the Homestead law when the area became settled by farmers and ranchers who occupied limited acreages.

The county seat is in Durango which was founded in 1880 when the Denver & Rio Grande Railroad built a track to Silverton and established Durango as the hub of its rail system to transport ore from the mountains to smelters in Durango. The Durango & Silverton Narrow Gauge Railroad now only hauls visitors to Silverton, and in 2006 will have been in continuous operation for 125 years.

Many of the original buildings constructed by Durango's pioneers are still standing and are used today in the historic districts of Main and Third Avenues.

Durango is near the Four Corners junction with New Mexico, Arizona and Utah, and is perched at 6,512 feet, nestled between red sandstone bluffs in the vast Animas River Valley. To the north lie the peaks of the San Juan and Needles Mountains, which rise to an average elevation above 10,500 feet. To the west are arid desert lands, and to the south lies the southern border of the two million acre San Juan National Forest and stark canyon country.
(co.laplata.co.us, www.sangres.com & durango.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 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. 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 La Plata County are:

La Plata County Ratio Grid					
Property Class	Number of Qualified Sales	Unweighted Median Ratio	Price Related Differential	Coefficient of Dispersion	Time Trend Analysis
Commercial/Industrial	88	0.996	1.031	8.3	Compliant
Condominium	N/A	N/A	N/A	N/A	N/A
Single Family	2,307	0.999	1.002	6.1	Compliant
Vacant Land	515	0.997	1.028	9.3	Compliant

After applying the above described methodologies, it is concluded from the sales ratios that La Plata County is in compliance with SBOE, DPT, and Colorado State Statute valuation guidelines.

Recommendations

None

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 La Plata County has complied with the statutory requirements to analyze the effects of time on value in their county. La Plata County has also satisfactorily applied the results of their time trending analysis to arrive at the time adjusted sales price (TASP).

Recommendations

None

SOLD/UNSOLD ANALYSIS

Methodology

La Plata 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. The 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. If all 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 non-parametric 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

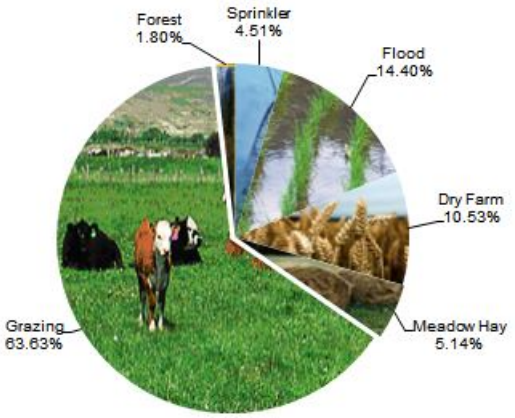
After applying the above described methodologies, it is concluded that La Plata County is reasonably treating its sold and unsold properties in the same manner.

Recommendations

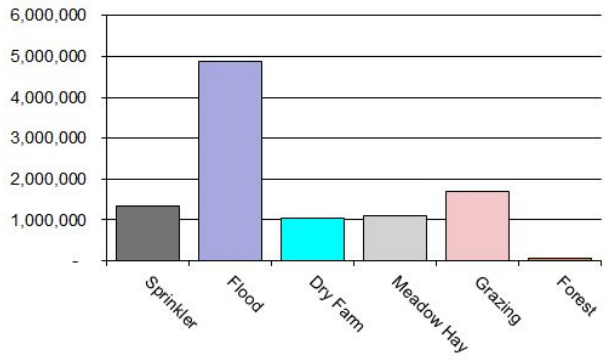
None

AGRICULTURAL LAND STUDY

Acres By Subclass



Value By Subclass



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: Aerial photographs are available and are being used; soil conservation guidelines have been used to classify lands based on productivity; crop rotations have been documented; typical commodities and yields have been determined; orchard lands have been properly classified and valued; expenses reflect a ten year average and are typical landlord expenses; grazing lands have been properly classified and valued; the number of acres in each class and subclass have been determined; the capitalization rate was properly applied. Also, documentation was required for the valuation methods used and any locally developed yields, carrying capacities, and expenses. Records were also checked to ensure that the commodity prices and expenses, furnished by the Property Tax Administrator (PTA), were applied properly. (See Assessor Reference Library Volume 3 Chapter 5.)

Conclusions

An analysis of the agricultural land data indicates an acceptable appraisal of this property type. Directives, commodity prices and expenses provided by the PTA were properly applied. County yields compared favorably to those published by Colorado Agricultural Statistics. Expenses used by the county were allowable expenses and were in an acceptable range. Grazing lands carrying capacities were in an acceptable range. The data analyzed resulted in the following ratios:

La Plata County Agricultural Land Ratio Grid						
Abstract Code	Land Class	Number Of Acres	County Value Per Acre	County Assessed Total Value	WRA Total Value	Ratio
4107	Sprinkler	12,134	110.62	1,342,304	1,398,354	0.96
4117	Flood	38,743	125.89	4,877,502	5,091,180	0.96
4127	Dry Farm	28,345	37.12	1,052,081	1,076,683	0.98
4137	Meadow Hay	13,823	79.57	1,099,917	1,099,917	1.00
4147	Grazing	171,258	9.88	1,691,669	1,691,669	1.00
4177	Forest	4,832	10.78	52,072	52,072	1.00
Total/Avg		**269,135**	**37.59**	**10,115,546**	**10,409,877**	**0.97**

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

La Plata County has complied with the procedures provided by the Division of Property Taxation for the valuation of agricultural outbuildings.

Recommendations

None

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

La Plata County has used the following methods to discover land under a residential improvement on a farm or ranch that is determined to be not integral under 39-1-102, C.R.S.:

Questionnaires

- Field Inspections
- Phone Interviews
- In-Person Interviews with Owners/Tenants
- Written Correspondence other than Questionnaire
- Personal Knowledge of Occupants at Assessment Date
- Aerial Photography/Pictometry

La Plata County has used the following methods to discover the land area under a residential improvement that is determined to be not integral under 39-1-102, C.R.S.:

- Property Record Card Analysis
- Questionnaires
- Field Inspections
- Phone Interviews
- In-Person Interviews with Owners/Tenants
- Written Correspondence other than Questionnaire
- Personal Knowledge of Occupants at Assessment Date
- Aerial Photography/Pictometry

La Plata 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

None

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 La Plata County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 58 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

La Plata 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

None

ECONOMIC AREA REVIEW AND EVALUATION

Methodology

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

None

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

None

Producing Coal Mines

Methodology

Under the guidelines of the Assessor's Reference Library (ARL), Volume 3, Section 6, Valuation of Producing Coal Leaseholds and Lands, the income approach is the primary method applied to find value for the valuation of coalmines. This methodology estimates annual economic royalty income based on previous year's production, then capitalizes that income to value using a Hoskold factor to estimate the present worth of the permitted acres. The operator provides production data and the life of the leases.

Conclusions

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

Recommendations

None

VACANT LAND

Subdivision Discounting

Subdivisions were reviewed in 2020 in La Plata 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.

In instances where the number of sales within an approved plat was less than the absorption rate per year calculated for the plat, the absorption period was left unchanged.

Conclusions

La Plata County has implemented proper procedures to adequately estimate absorption periods, discount rates, and lot values for qualifying subdivisions.

Recommendations

None

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 Chapter 39-1-103 (17)(a) (II) C.R.S. 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 granted under lease, permit, license, concession, contract, or other agreement.

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

Conclusions

La Plata 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

None

PERSONAL PROPERTY AUDIT

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

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

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

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

La Plata 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.

La Plata 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:

- 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 $7,700 actual value exemption status
- Lowest or highest quartile of value persquare foot
- Accounts protested with substantial disagreement

Conclusions

La Plata 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

None

WILDROSE AUDITOR STAFF

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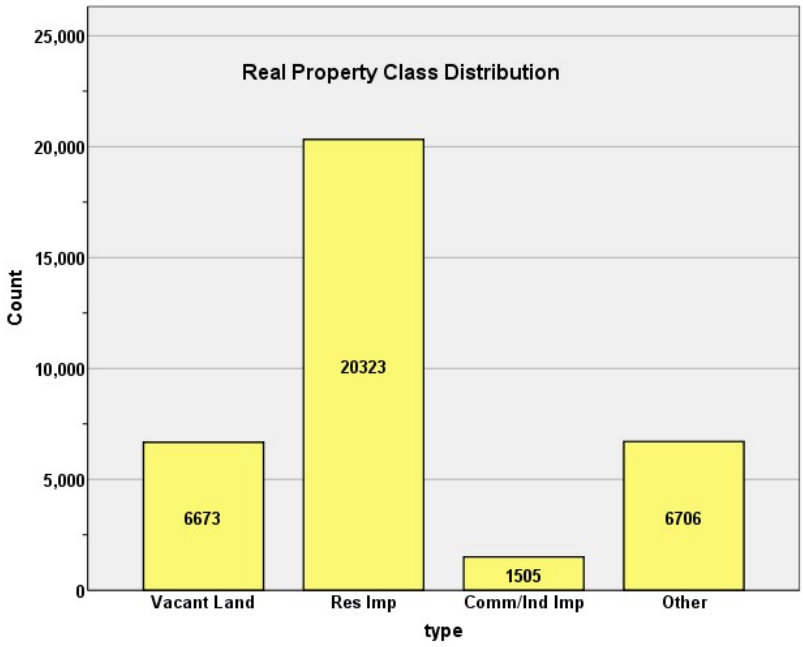
APPENDICES

STATISTICAL COMPLIANCE REPORT
FOR LA PLATA COUNTY
2020

I. OVERVIEW

La Plata County is located in southwestern Colorado. The county has a total of 35,207 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 and 1112) accounted for 73.9% of all vacant land parcels.

For residential improved properties, single family properties accounted for 85.4% of all residential properties.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial sales accounted for 4.3% 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*	*V*	*V*
Neighborhood	*V*	*V*	*V*
Subdivision	*V*	*V*	*V*

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

Note: Subdivisions are in the valuation model for discounting only, otherwise Neighborhood is used for calibration and Economic Areas for stratification for Model performance.

II. DATA FILES

The following sales analyses were based on the requirements of the 2020 Colorado Property Assessment Study. Information was provided by the La Plata Assessor's Office in April 2020. The data included all 5 property record files as specified by the Auditor.

III. RESIDENTIAL SALES RESULTS

There were 2,307 qualified residential sales for the 24-month period prior to June 30, 2018. The sales ratio analysis was analyzed as follows:

Median	**0.999**
Price Related Differential	**1.002**
Coefficient of Dispersion	**6.1**

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

Economic Area

Case Processing Summary

		Count	Percent
ECONAREA	1.00	151	7.6%
	2.00	33	1.7%
	3.00	56	2.8%
	4.00	148	7.5%
	5.00	95	4.8%
	6.00	47	2.4%
	7.00	44	2.2%
	8.00	126	6.4%
	9.00	430	21.8%
	10.00	162	8.2%
	11.00	213	10.8%
	12.00	141	7.1%
	80.00	98	5.0%

	90.00	226	11.4%
	153.00	3	0.2%
	202.00	1	0.1%
	204.00	1	0.1%
Overall		1975	100.0%
Excluded		332	
Total		2307	

Ratio Statistics for CURRTOT / TASP

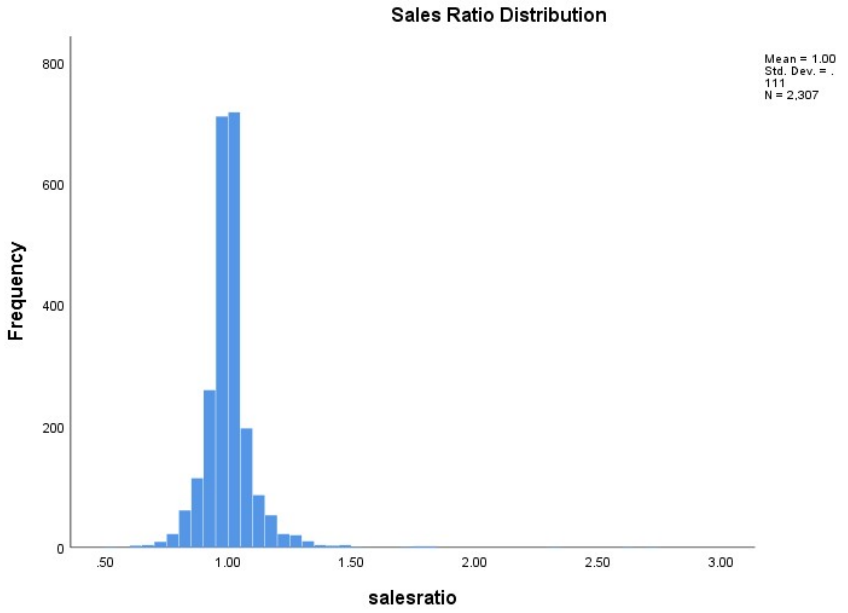
Group	Median	Price Related Differential	Coefficient of Dispersion
1.00	.995	.998	.067
2.00	.989	1.005	.074
3.00	1.002	1.023	.058
4.00	.990	.997	.068
5.00	1.003	1.000	.026
6.00	1.000	1.010	.068
7.00	.998	1.009	.109
8.00	.989	1.004	.074
9.00	.998	1.005	.067
10.00	1.000	1.007	.074
11.00	1.006	1.003	.047
12.00	.998	.998	.069
80.00	.991	.998	.038
90.00	.998	1.001	.035
153.00	1.029	.984	.019
202.00	2.610	1.000	.000
204.00	1.848	1.000	.000
Overall	.999	1.003	.061

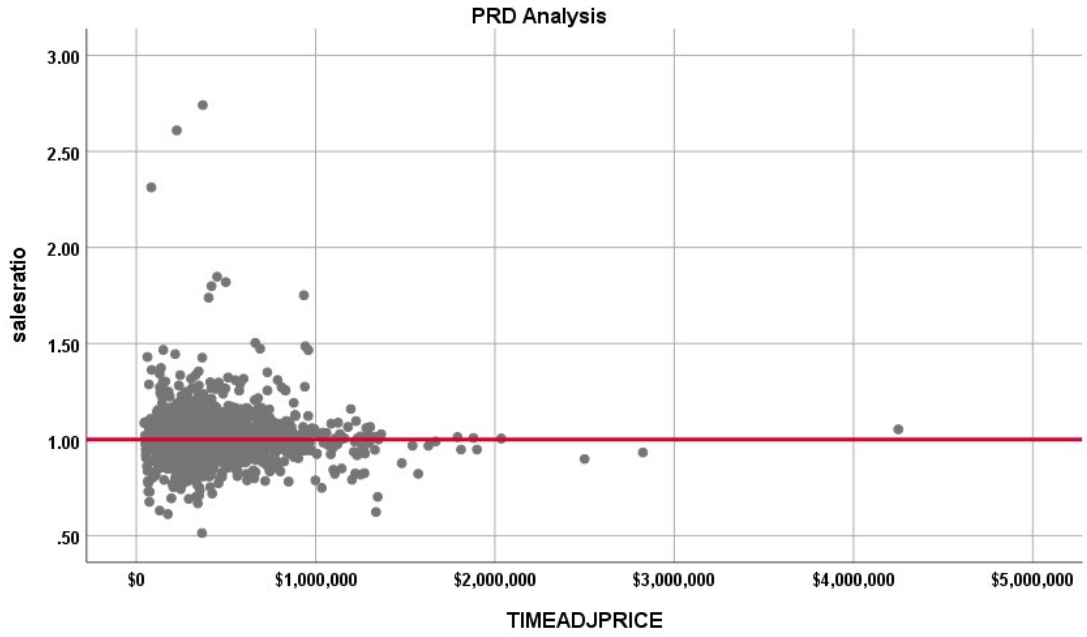
Neighborhood w/GE 20 Sales

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion
10.00	.972	1.006	.072
57.00	1.033	1.010	.093
66.00	.970	.990	.067
96.00	1.003	1.016	.110
135.00	.998	.997	.073
136.00	1.004	1.003	.056
138.00	.992	.996	.072
271.00	1.003	1.007	.071
318.00	.995	1.003	.075
1141.00	.995	.996	.084
1165.00	1.001	1.000	.019
1200.00	.990	1.003	.030
1286.00	1.004	.999	.037
Overall	.998	1.003	.066

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, as well as by economic area and 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.

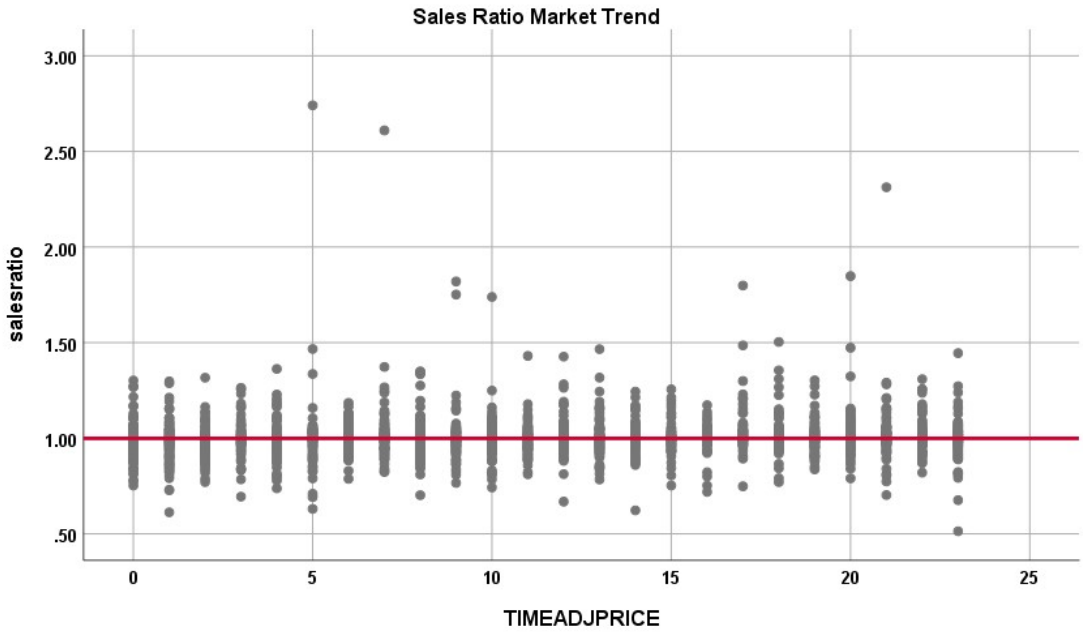
Residential Market Trend Analysis

We next analyzed the residential dataset using the 24-month sale period for any residual market trending, with the following results:

Coefficients[a]

Model		Unstandardized Coefficients B	Unstandardized Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	.991	.004		225.201	.000
	SalePeriod	.001	.000	.068	3.289	.001

a. Dependent Variable: salesratio



While there was a statistically significant residual market trend, the magnitude of that trend at 0.1 percent per month was not. 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	18014	$234	$249
SOLD	2305	$237	$250

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	.105	Retain the null hypothesis.

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

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

Report
VALSF

ECONAREA	sold	N	Median	Mean
1.00	UNSOLD	1570	$266	$298
	SOLD	150	$255	$277
2.00	UNSOLD	479	$272	$305
	SOLD	33	$314	$338
3.00	UNSOLD	808	$195	$206
	SOLD	56	$210	$212
4.00	UNSOLD	1243	$210	$228
	SOLD	148	$207	$218
5.00	UNSOLD	386	$269	$275
	SOLD	95	$273	$280
6.00	UNSOLD	747	$137	$148
	SOLD	47	$157	$161
7.00	UNSOLD	476	$163	$177
	SOLD	44	$170	$180
8.00	UNSOLD	718	$193	$195
	SOLD	126	$193	$196
9.00	UNSOLD	3931	$309	$320
	SOLD	429	$291	$311
10.00	UNSOLD	1202	$227	$241
	SOLD	162	$234	$246
11.00	UNSOLD	1982	$201	$212
	SOLD	213	$211	$220
12.00	UNSOLD	642	$174	$182
	SOLD	141	$177	$186
80.00	UNSOLD	395	$225	$256
	SOLD	98	$236	$266
90.00	UNSOLD	1001	$235	$251
	SOLD	226	$241	$253
153.00	UNSOLD	98	$144	$159
	SOLD	3	$216	$223
202.00	UNSOLD	65	$234	$254
	SOLD	1	$130	$130
204.00	UNSOLD	78	$236	$270
	SOLD	1	$166	$166

We also compared sold and unsold properties by neighborhoods with at least 20 sales, as follows:

Report
VALSF

NBHD	sold	N	Median	Mean
10.00	UNSOLD	467	$305	$320
	SOLD	33	$326	$349
57.00	UNSOLD	589	$296	$322
	SOLD	35	$268	$296
66.00	UNSOLD	244	$218	$251
	SOLD	24	$200	$224
96.00	UNSOLD	436	$354	$372
	SOLD	39	$351	$361
135.00	UNSOLD	170	$177	$184
	SOLD	33	$186	$198
136.00	UNSOLD	183	$185	$190
	SOLD	33	$182	$186
138.00	UNSOLD	235	$171	$175
	SOLD	58	$176	$185
271.00	UNSOLD	239	$320	$329
	SOLD	29	$308	$330
318.00	UNSOLD	234	$225	$237
	SOLD	27	$243	$244
1141.00	UNSOLD	45	$198	$197
	SOLD	21	$197	$201
1165.00	UNSOLD	176	$264	$257
	SOLD	65	$267	$269
1200.00	UNSOLD	35	$287	$263
	SOLD	20	$294	$271
1286.00	UNSOLD	59	$235	$219
	SOLD	36	$234	$234

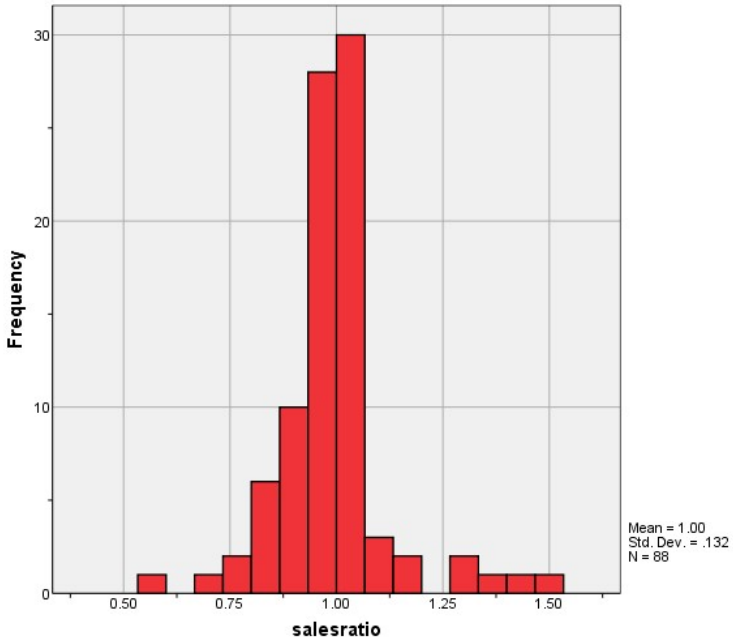
Based on the above results, we concluded that sold and unsold residential properties were valued in a consistent manner.

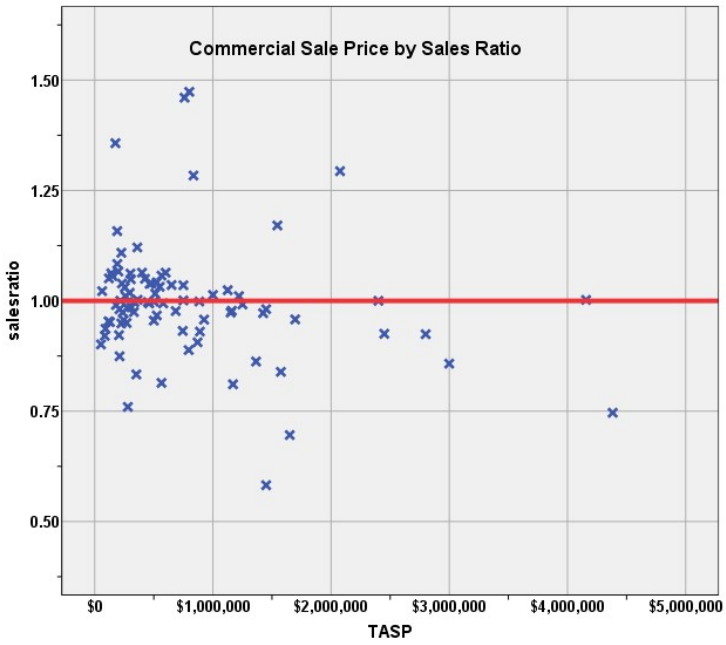
IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

There were 88 qualified commercial sales for the 24-month period prior to June 2018. The sales ratio analysis was analyzed as follows:

Median	**0.996**
Price Related Differential	**1.031**
Coefficient of Dispersion	**8.3**

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





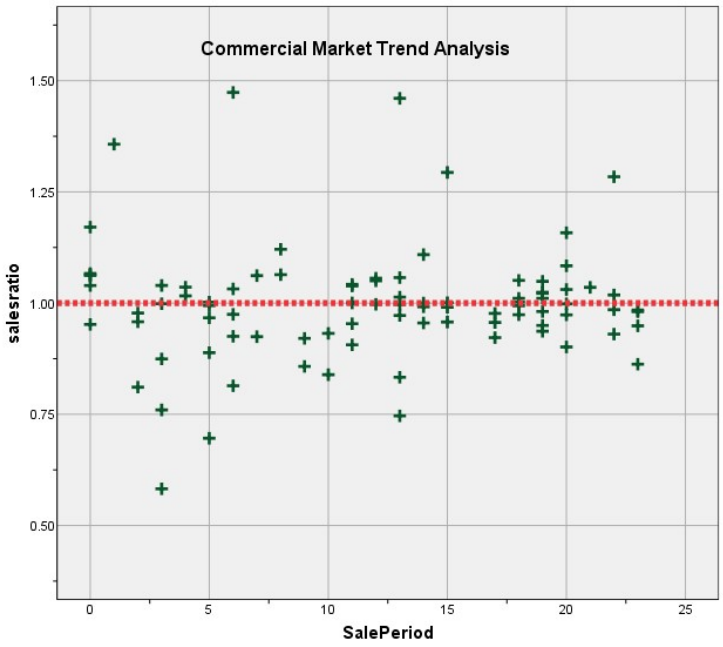
Commercial Market Trend Analysis

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

Coefficients[a]

Model		Unstandardized Coefficients B	Unstandardized Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	.985	.028		35.422	.000
	SalePeriod	.001	.002	.054	.498	.620

a. Dependent Variable: salesratio



The market trend results indicated no statistically significant trend, indicating that the assessor has adequately addressed the issue of market trending for commercial/industrial properties in La Plata County.

Sold/Unsold Analysis

We compared the median 2020 value per square foot for sold and unsold commercial properties to determine if the assessor was valuing each group consistently, as follows:

Report
VALSF

sold	N	Median	Mean
UNSOLD	1417	$167	$218
SOLD	87	$169	$205

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	.765	Retain the null hypothesis.

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

As a final check, we stratified the value per square feet by subclass between sold and unsold properties, as follows:

Report

VALSF

ABSTRIMP	sold	N	Median	Mean
2212.00	UNSOLD	141	$171	$318
	SOLD	7	$178	$188
2215.00	UNSOLD	56	$123	$173
	SOLD	2	$89	$89
2220.00	UNSOLD	90	$209	$238
	SOLD	10	$184	$246
2225.00	UNSOLD	24	$149	$197
	SOLD	2	$149	$149
2230.00	UNSOLD	276	$190	$248
	SOLD	17	$158	$211
2235.00	UNSOLD	114	$94	$110
	SOLD	6	$74	$72
2245.00	UNSOLD	511	$243	$241
	SOLD	24	$281	$286

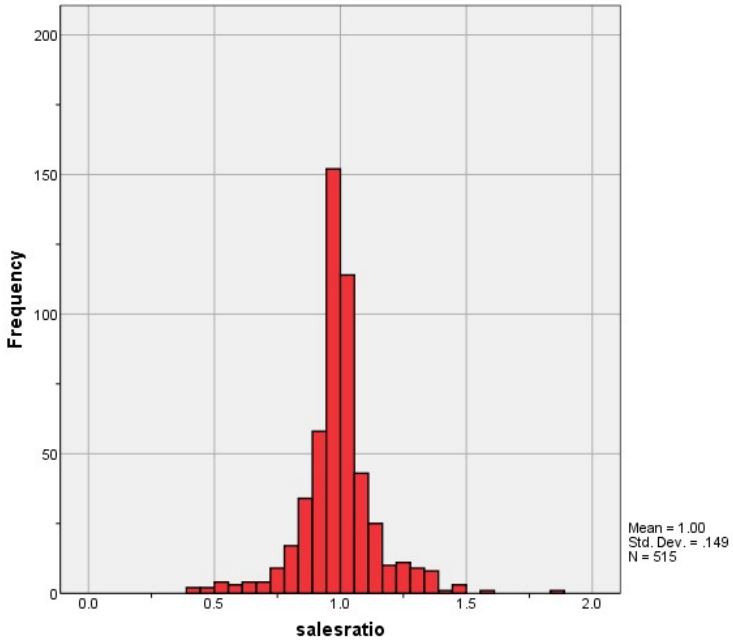
Based on these results, we concluded that the assessor was valuing sold and unsold commercial properties consistently in La Plata County.

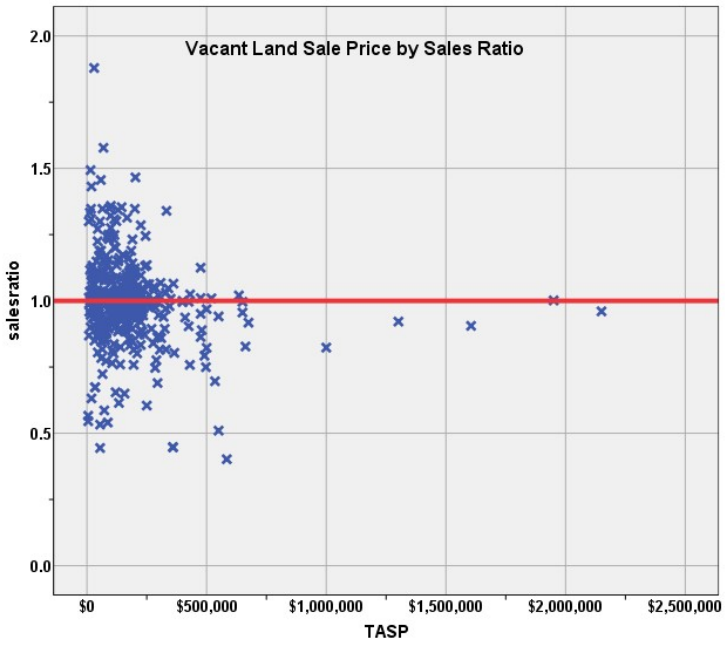
V. VACANT LAND SALE RESULTS

There were 520 qualified vacant land sales for the 24 month period prior to June 30, 2018. We trimmed 5 sales using IAAO standards due to their extreme sales ratios. The final sale count was 515 sales, analyzed as follows:

Median	**0.997**
Price Related Differential	**1.028**
Coefficient of Dispersion	**9.3**

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





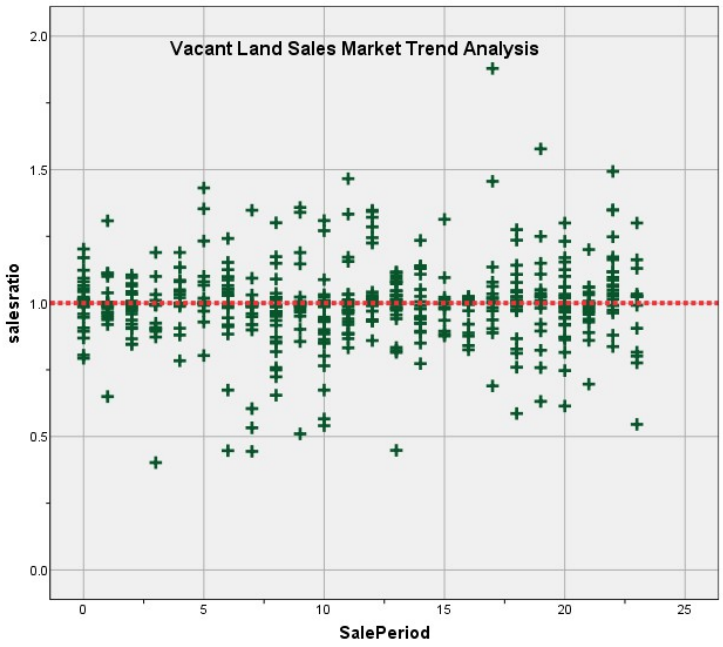
Vacant Land Market Trend Analysis

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

Coefficients[a]

Model		Unstandardized Coefficients B	Unstandardized Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	.981	.013		76.571	.000
	SalePeriod	.001	.001	.056	1.280	.201

a. Dependent Variable: salesratio



Based on the above results, we concluded that the assessor has adequately addressed market trending in the vacant land valuation.

Sold/Unsold Analysis

We compared the median change in value between taxable years 2016 and 2018 for vacant land properties to determine if sold and unsold properties were valued consistently, as follows:

Report

DIFF

sold	N	Median	Mean
UNSOLD	5855	1.0294	1.0206
SOLD	500	1.0355	1.0491

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the same across categories of sold.	Independent-Samples Mann-Whitney U Test	.012	Retain the null hypothesis.

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

We also stratified this analysis by subdivisions with at least 6 sales, as follows:

Report

DIFF

SUBDIVNO	sold	N	Median	Mean
135	UNSOLD	133	.9216	.9197
	SOLD	14	.9216	.9216
136	UNSOLD	136	1.0000	.9985
	SOLD	12	1.0000	1.0256
290	UNSOLD	20	1.1512	1.1418
	SOLD	8	1.1513	1.1396
397	UNSOLD	35	1.0000	1.0054
	SOLD	7	1.0000	1.0000
402	UNSOLD	24	.9412	.9459
	SOLD	6	.9411	.9037
1014	UNSOLD	2	1.0663	1.0663
	SOLD	6	1.0434	1.0411
1053	UNSOLD	26	.9024	.9273
	SOLD	8	1.1081	1.0785
1118	UNSOLD	10	.9273	.9287
	SOLD	6	.9273	.8870
1198	UNSOLD	3	1.0045	1.0045
	SOLD	8	1.0044	.8934
1404	UNSOLD	3	1.0000	.9642
	SOLD	17	1.0190	1.0155
1422	UNSOLD	25	1.0504	1.0504
	SOLD	16	1.0504	1.0472
1447	UNSOLD	52	1.0200	.9817
	SOLD	8	.9180	.9167

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

VI. CONCLUSION

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

STATISTICAL ABSTRACT
Residential

Ratio Statistics for CURRTOT / TASP

	95% Confidence Interval for Mean			95% Confidence Interval for Median				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
1.003	.999	1.008	.999	.997	1.001	95.4%	1.001	.996	1.006	1.002	.061	11.1%

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

Commercial/Industrial

Ratio Statistics for CURRTOT / TASP

	95% Confidence Interval for Mean			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
.997	.969	1.025	.996	.977	1.011	95.8%	.967	.919	1.015	1.031	.083	13.3%

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

Vacant Land

Ratio Statistics for CURRLND / TASP

	95% Confidence Interval for Mean			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
.995	.982	1.008	.997	.993	.999	95.7%	.968	.952	.985	1.028	.093	15.0%

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	$25K to $50K	5	0.2%
	$50K to $100K	43	1.9%
	$100K to $150K	63	2.7%
	$150K to $200K	122	5.3%
	$200K to $300K	430	18.6%
	$300K to $500K	987	42.8%
	$500K to $750K	478	20.7%
	$750K to $1,000K	113	4.9%
	Over $1,000K	66	2.9%
Overall		2307	100.0%
Excluded		0	
Total		2307	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
$25K to $50K	1.086	1.001	.033	5.8%
$50K to $100K	.993	.995	.135	25.5%
$100K to $150K	1.019	.997	.089	13.4%
$150K to $200K	1.004	1.001	.056	9.1%
$200K to $300K	.999	1.000	.069	12.1%
$300K to $500K	.999	1.000	.055	10.8%
$500K to $750K	.998	1.000	.052	8.2%
$750K to $1,000K	1.001	.998	.075	13.0%
Over $1,000K	.982	.999	.070	10.0%
Overall	.999	1.002	.061	11.1%

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	.00	2	0.1%
	1212.00	1927	83.5%
	1213.50	2	0.1%
	1215.00	39	1.7%
	1220.00	1	0.0%
	1225.00	2	0.1%
	1230.00	332	14.4%
	1725.00	1	0.0%
	3215.00	1	0.0%
Overall		2307	100.0%
Excluded		0	
Total		2307	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	.876	1.011	.414	58.5%
1212.00	.998	1.003	.060	10.6%
1213.50	.968	.996	.057	8.1%
1215.00	1.016	1.007	.056	7.9%
1220.00	.996	1.000	.000	.
1225.00	1.041	.993	.012	1.7%
1230.00	1.000	.999	.061	9.8%
1725.00	2.610	1.000	.000	.
3215.00	1.848	1.000	.000	.
Overall	.999	1.002	.061	11.1%

Age

Case Processing Summary

		Count	Percent
AgeRec	.00	2	0.1%
	Over 100	62	2.7%
	75 to 100	42	1.8%
	50 to 75	145	6.3%
	25 to 50	653	28.3%
	5 to 25	1081	46.9%
	5 or Newer	322	14.0%
Overall		2307	100.0%
Excluded		0	
Total		2307	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	.876	1.011	.414	58.5%
Over 100	.993	1.013	.080	12.2%
75 to 100	.993	1.007	.069	11.7%
50 to 75	1.006	1.011	.083	13.1%
25 to 50	.994	.998	.071	12.1%
5 to 25	1.001	1.001	.053	7.9%
5 or Newer	.999	1.008	.053	15.8%
Overall	.999	1.002	.061	11.1%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	.00	2	0.1%
	LE 500 sf	47	2.0%
	500 to 1,000 sf	260	11.3%
	1,000 to 1,500 sf	668	29.0%
	1,500 to 2,000 sf	619	26.8%
	2,000 to 3,000 sf	562	24.4%
	3,000 sf or Higher	149	6.5%
Overall		2307	100.0%
Excluded		0	
Total		2307	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	.876	1.011	.414	58.5%
LE 500 sf	.988	1.007	.101	14.6%
500 to 1,000 sf	.998	1.004	.056	8.5%
1,000 to 1,500 sf	.993	1.004	.063	10.4%
1,500 to 2,000 sf	.999	1.004	.050	7.7%
2,000 to 3,000 sf	1.001	1.008	.055	8.8%
3,000 sf or Higher	1.019	1.033	.111	25.3%
Overall	.999	1.002	.061	11.1%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY		2	0.1%
	1 - MINIMUM 75	7	0.3%
	2 - BELOW AVG 90	79	3.4%
	3 - AVERAGE	1	0.0%
	3 - AVG 100	897	38.9%
	33 - AVG 105	236	10.2%
	37 - AVG 110	228	9.9%
	4 - AB AVG 115	253	11.0%
	45 - AB AVG 120	100	4.3%
	5 - GOOD 125	126	5.5%
	53 - GOOD 130	57	2.5%
	57 - GOOD 135	53	2.3%
	6 - V GOOD 140	76	3.3%
	63 - V GOOD 145	21	0.9%
	65 - V GOOD 150	31	1.3%
	67 - V GOOD 155	34	1.5%
	7 - EXCELL 160	34	1.5%
	71 - EXCELL 165	12	0.5%
	72 - EXCELL 170	6	0.3%
	74 - EXCELL 175	6	0.3%

	75 - EXCELL 180	11	0.5%
	77 - EXCELL 185	5	0.2%
	78 - EXCELL 190	7	0.3%
	79 - EXCELL 195	9	0.4%
	8 - EXCELL 200	15	0.7%
	9 - EXCEPTIONAL 250	1	0.0%
Overall		2307	100.0%
Excluded		0	
Total		2307	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
	.876	1.011	.414	58.5%
1 - MINIMUM 75	.993	1.008	.102	18.0%
2 - BELOW AVG 90	1.006	1.016	.077	11.3%
3 - AVERAGE	1.848	1.000	.000	.
3 - AVG 100	1.000	1.002	.062	11.4%
33 - AVG 105	1.002	1.000	.050	7.8%
37 - AVG 110	.997	1.001	.057	8.3%
4 - AB AVG 115	.991	1.000	.066	10.6%
45 - AB AVG 120	1.002	.999	.048	7.3%
5 - GOOD 125	.994	1.001	.067	12.1%
53 - GOOD 130	.998	1.004	.045	6.6%
57 - GOOD 135	1.003	1.002	.047	8.4%
6 - V GOOD 140	.990	.997	.067	10.9%
63 - V GOOD 145	1.002	1.014	.116	39.1%
65 - V GOOD 150	1.002	1.010	.040	7.2%
67 - V GOOD 155	.998	1.001	.041	5.7%
7 - EXCELL 160	.995	1.012	.101	19.4%
71 - EXCELL 165	1.011	1.008	.086	15.5%
72 - EXCELL 170	1.004	1.000	.063	9.0%
74 - EXCELL 175	.999	.996	.029	3.8%
75 - EXCELL 180	.982	1.000	.046	6.6%
77 - EXCELL 185	.980	1.025	.030	4.7%
78 - EXCELL 190	1.018	1.003	.018	2.9%
79 - EXCELL 195	1.001	1.002	.029	4.7%
8 - EXCELL 200	.989	.997	.037	5.9%
9 - EXCEPTIONAL 250	1.092	1.000	.000	.
Overall	.999	1.002	.061	11.1%

Commercial Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	$50K to $100K	4	4.5%
	$100K to $150K	5	5.7%
	$150K to $200K	5	5.7%
	$200K to $300K	15	17.0%
	$300K to $500K	16	18.2%
	$500K to $750K	13	14.8%
	$750K to $1,000K	9	10.2%
	Over $1,000K	21	23.9%
Overall		88	100.0%
Excluded		0	
Total		88	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
$50K to $100K	.929	1.001	.037	6.1%
$100K to $150K	1.051	.997	.040	6.6%
$150K to $200K	1.084	1.003	.085	13.8%
$200K to $300K	.981	1.001	.055	8.2%
$300K to $500K	1.000	1.000	.043	6.4%
$500K to $750K	1.016	1.000	.044	6.9%
$750K to $1,000K	.998	1.009	.172	26.2%
Over $1,000K	.972	1.008	.109	16.3%
Overall	.996	1.031	.083	13.3%

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	.00	1	1.1%
	1716.00	3	3.4%
	1721.00	6	6.8%
	1725.00	1	1.1%
	1880.67	1	1.1%
	2071.71	1	1.1%
	2089.63	1	1.1%
	2212.00	7	8.0%
	2215.00	2	2.3%
	2220.00	10	11.4%
	2221.00	1	1.1%
	2225.00	2	2.3%
	2230.00	17	19.3%
	2232.50	1	1.1%
	2235.00	6	6.8%
	2245.00	24	27.3%
	2250.00	1	1.1%
	3215.00	1	1.1%

	3230.00	2	2.3%
Overall		88	100.0%
Excluded		0	
Total		88	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	1.036	1.000	.000	.
1716.00	.814	1.304	.317	51.3%
1721.00	1.050	1.018	.107	20.2%
1725.00	.696	1.000	.000	.
1880.67	.746	1.000	.000	.
2071.71	.925	1.000	.000	.
2089.63	.978	1.000	.000	.
2212.00	.994	1.026	.059	7.7%
2215.00	1.066	.972	.213	30.2%
2220.00	.995	.984	.077	12.2%
2221.00	.974	1.000	.000	.
2225.00	.984	.990	.030	4.2%
2230.00	.997	.995	.053	8.2%
2232.50	1.057	1.000	.000	.
2235.00	.992	1.052	.126	23.0%
2245.00	.998	1.002	.047	6.4%
2250.00	.930	1.000	.000	.
3215.00	.863	1.000	.000	.
3230.00	.979	.989	.023	3.2%
Overall	.996	1.031	.083	13.3%

Age

Case Processing Summary

		Count	Percent
AgeRec	.00	1	1.1%
	Over 100	10	11.4%
	75 to 100	1	1.1%
	50 to 75	17	19.3%
	25 to 50	21	23.9%
	5 to 25	34	38.6%
	5 or Newer	4	4.5%
Overall		88	100.0%
Excluded		0	
Total		88	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	1.036	1.000	.000	.
Over 100	.999	1.029	.054	10.8%
75 to 100	.992	1.000	.000	.
50 to 75	.994	1.130	.107	16.6%
25 to 50	.994	1.030	.085	11.9%
5 to 25	.989	1.000	.081	13.8%
5 or Newer	.980	.981	.102	18.8%
Overall	.996	1.031	.083	13.3%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	.00	1	1.1%
	LE 500 sf	5	5.7%
	500 to 1,000 sf	11	12.5%
	1,000 to 1,500 sf	7	8.0%
	1,500 to 2,000 sf	8	9.1%
	2,000 to 3,000 sf	11	12.5%
	3,000 sf or Higher	45	51.1%
Overall		88	100.0%
Excluded		0	
Total		88	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
.00	1.036	1.000	.000	.
LE 500 sf	.952	.988	.055	8.2%
500 to 1,000 sf	1.000	1.009	.050	7.9%
1,000 to 1,500 sf	.967	1.010	.079	16.8%
1,500 to 2,000 sf	.989	1.004	.050	7.4%
2,000 to 3,000 sf	1.039	.989	.090	13.7%
3,000 sf or Higher	.997	1.036	.097	15.6%
Overall	.996	1.031	.083	13.3%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY		1	1.1%
	1 - MINIMUM	3	3.4%
	2 - BELOW AVERAGE	3	3.4%
	2 - BELOW AVG 90	1	1.1%
	3 - AVERAGE	64	72.7%
	3 - AVG 100	2	2.3%
	4 - ABOVE AVERAGE	12	13.6%
	5 - EXCELLENT	1	1.1%
	57 - GOOD 135	1	1.1%
Overall		88	100.0%
Excluded		0	
Total		88	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
	1.036	1.000	.000	.
1 - MINIMUM	1.022	1.032	.031	5.0%
2 - BELOW AVERAGE	1.040	.961	.052	9.5%
2 - BELOW AVG 90	.696	1.000	.000	.
3 - AVERAGE	.983	1.045	.079	12.2%
3 - AVG 100	1.203	1.036	.128	18.1%
4 - ABOVE AVERAGE	1.006	.987	.094	17.3%
5 - EXCELLENT	.991	1.000	.000	.
57 - GOOD 135	.978	1.000	.000	.
Overall	.996	1.031	.083	13.3%

Economic Area

Case Processing Summary

		Count	Percent
ECONAREA	201.00	9	15.8%
	202.00	15	26.3%
	203.00	2	3.5%
	204.00	5	8.8%
	205.00	12	21.1%
	206.00	8	14.0%
	207.00	5	8.8%
	208.00	1	1.8%
Overall		57	100.0%
Excluded		31	
Total		88	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion
201.00	.957	1.000	.102
202.00	1.016	.985	.071
203.00	1.136	1.065	.286
204.00	.985	1.060	.064
205.00	1.017	1.028	.085
206.00	1.044	.950	.099
207.00	.925	1.043	.148
208.00	1.038	1.000	.000
Overall	.997	1.043	.103

Vacant Land Median Ratio Stratification

Sale Price
Case Processing Summary

		Count	Percent
SPRec	LT $25K	32	6.2%
	$25K to $50K	39	7.6%
	$50K to $100K	116	22.5%
	$100K to $150K	111	21.6%
	$150K to $200K	106	20.6%
	$200K to $300K	63	12.2%
	$300K to $500K	33	6.4%
	$500K to $750K	10	1.9%
	$750K to $1,000K	1	0.2%
	Over $1,000K	4	0.8%
Overall		515	100.0%
Excluded		0	
Total		515	

Ratio Statistics for CURRLND / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT $25K	1.015	.983	.144	21.4%
$25K to $50K	.991	.999	.117	19.3%
$50K to $100K	.998	.996	.109	16.7%
$100K to $150K	.999	1.000	.068	11.4%
$150K to $200K	.999	.999	.066	9.8%
$200K to $300K	.995	1.004	.083	13.0%
$300K to $500K	.939	1.002	.126	18.2%
$500K to $750K	.929	.992	.169	26.3%
$750K to $1,000K	.823	1.000	.000	.
Over $1,000K	.941	.995	.036	4.6%
Overall	.997	1.028	.093	15.0%

Subclass

Case Processing Summary

		Count	Percent
SPRec	LT $25K	32	6.2%
	$25K to $50K	39	7.6%
	$50K to $100K	116	22.5%
	$100K to $150K	111	21.6%
	$150K to $200K	106	20.6%
	$200K to $300K	63	12.2%
	$300K to $500K	33	6.4%
	$500K to $750K	10	1.9%
	$750K to $1,000K	1	0.2%
	Over $1,000K	4	0.8%
Overall		515	100.0%
Excluded		0	
Total		515	

Ratio Statistics for CURRLND / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT $25K	1.015	.983	.144	21.4%
$25K to $50K	.991	.999	.117	19.3%
$50K to $100K	.998	.996	.109	16.7%
$100K to $150K	.999	1.000	.068	11.4%
$150K to $200K	.999	.999	.066	9.8%
$200K to $300K	.995	1.004	.083	13.0%
$300K to $500K	.939	1.002	.126	18.2%
$500K to $750K	.929	.992	.169	26.3%
$750K to $1,000K	.823	1.000	.000	.
Over $1,000K	.941	.995	.036	4.6%
Overall	.997	1.028	.093	15.0%