2024
LA PLATA COUNTY PROPERTY ASSESSMENT STUDY

EastWest ECONOMETRICS

September 15, 2024

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

RE: Final Report for the 2024 Colorado Property Assessment Study

Dear Ms. Castle:

East West Econometrics.-Audit Division is pleased to submit the Final Reports for the 2024 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.

East West Econometrics – 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
East West Econometrics. – Audit Division

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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.

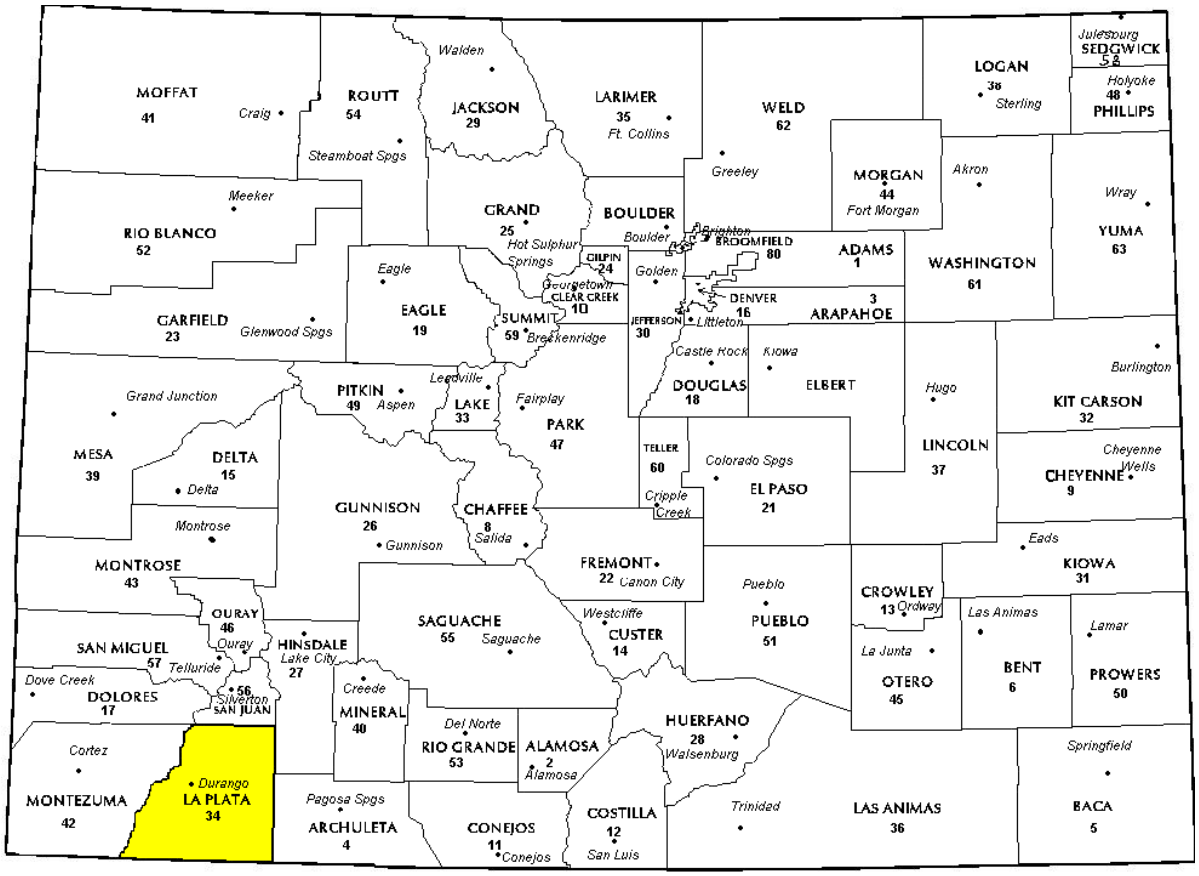
Statistical analysis is performed on vacant land, residential properties, commercial/industrial properties, agricultural land, and personal property. The statistical study results are compared with State Board of Equalization compliance requirements and the manuals published by the State Property Tax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

East West Econometrics has completed the Property Assessment Study for 2024 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 has approximately 1,692.09 square miles and an estimated population of approximately 56,221 people, according to the U.S. Census Bureau's 2020 estimated census data. This represents a 9.5 percent change from April 1, 2010 to July 1, 2019.

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 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 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	231	0.996	1.010	9.8	Compliant
Single Family	2,694	0.998	1.005	6.5	Compliant
Vacant Land	825	0.989	1.031	8	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
Single Family	Compliant
Vacant Land	Compliant

Conclusions

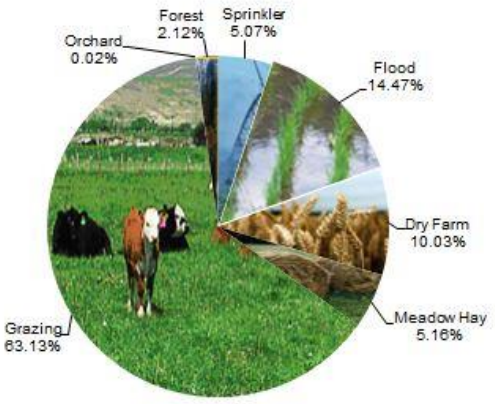
After applying the above described methodologies, it is concluded that La Plata County is reasonably treating its sold and unsold properties in the same manner.

Recommendations

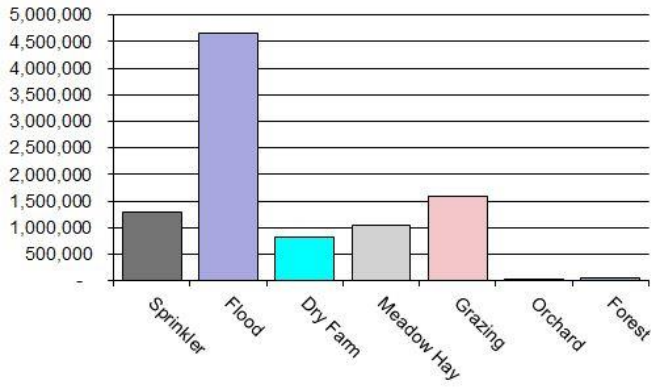
None

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	13,308	96.18	1,279,928	1,290,472	0.99
4117	Flood	38,015	122.65	4,662,512	4,675,440	1.00
4127	Dry Farm	26,342	31.15	820,517	819,964	1.00
4137	Meadow Hay	13,558	77.88	1,055,897	1,055,897	0.97
4147	Grazing	165,851	9.62	1,594,886	1,594,663	1.00
4157	Orchard	50	228.60	11,430	11,430	1.00
4177	Forest	5,572	10.18	56,717	56,727	1.00
Total/Avg		**262,696**	**36.09**	**9,481,887**	**9,504,593**	**1.00**

Recommendations

None

Agricultural Outbuildings

Methodology

Data was collected and reviewed to determine if the guidelines found in the Assessor's Reference Library (ARL) Volume 3, pages 5.74 through 5.77 were being followed.

Conclusions

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.

EWE reviewed the sales verification procedures in 2024 for La Plata County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically EWE selected 40 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 an adequate job of verifying their sales. EWE 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 2024 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 2024 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 $52,000 actual value exemption status
- Lowest or highest quartile of value per
- square 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

East West Econometrics
Auditor Staff

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APPENDICES

STATISTICAL COMPLIANCE REPORT
FOR LA PLATA COUNTY
2024

I. OVERVIEW

La Plata County is located in southwestern Colorado. The county has a total of 35,742 real property parcels, according to data submitted by the county assessor's office in 2024. 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 72.1% of all vacant land parcels.

For residential improved properties, single family properties accounted for 85.9% of all residential properties.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial sales accounted for 4.2% of all such properties in this county.

Based on the Audit questionnaire provided by the assessor, we stratified the residential sales ratio analysis and residential sold/unsold analysis by economic area and by neighborhood.

II. DATA FILES

The following sales analyses were based on the requirements of the 2024 Colorado Property Assessment Study. Information was provided by the La Plata Assessor's Office in April 2024. The data included all 5 property record files as specified by the Auditor.

III. RESIDENTIAL SALES RESULTS

There were 2,694 qualified residential sales for the 24-month period ending June 30, 2022. The sales ratio analysis was analyzed as follows:

Median	**0.998**
Price Related Differential	**1.005**
Coefficient of Dispersion	**6.5**

We next stratified the sale ratio analysis by economic area and neighborhood. 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	217	9.2%
	2.00	74	3.2%
	3.00	90	3.8%
	4.00	169	7.2%
	5.00	133	5.7%
	6.00	67	2.9%
	7.00	46	2.0%
	8.00	144	6.1%
	9.00	433	18.4%
	10.00	184	7.8%
	11.00	234	10.0%
	12.00	146	6.2%
	80.00	113	4.8%
	90.00	268	11.4%
Overall		2347	100.0%
Excluded		347	
Total		2694	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion
1.00	.999	1.004	.044
2.00	.982	1.000	.043
3.00	.998	1.022	.056
4.00	.998	1.004	.055
5.00	1.015	1.002	.030
6.00	.990	1.000	.047
7.00	.953	1.016	.090
8.00	.998	1.002	.026
9.00	1.000	1.008	.065
10.00	.991	1.021	.110
11.00	1.000	1.002	.047
12.00	.992	1.002	.056
80.00	.982	1.011	.079
90.00	.997	1.010	.074
Overall	.998	.995	.065

Neighborhood w/GE 20 Sales

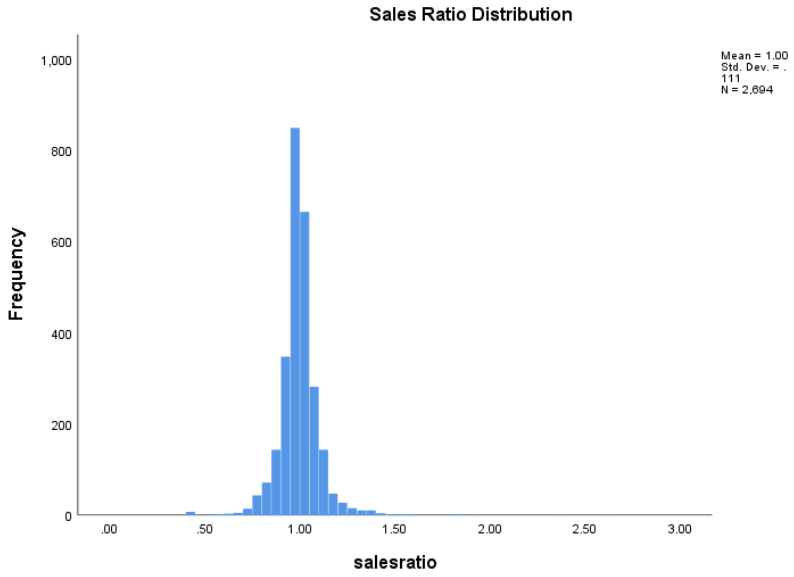
Case Processing Summary

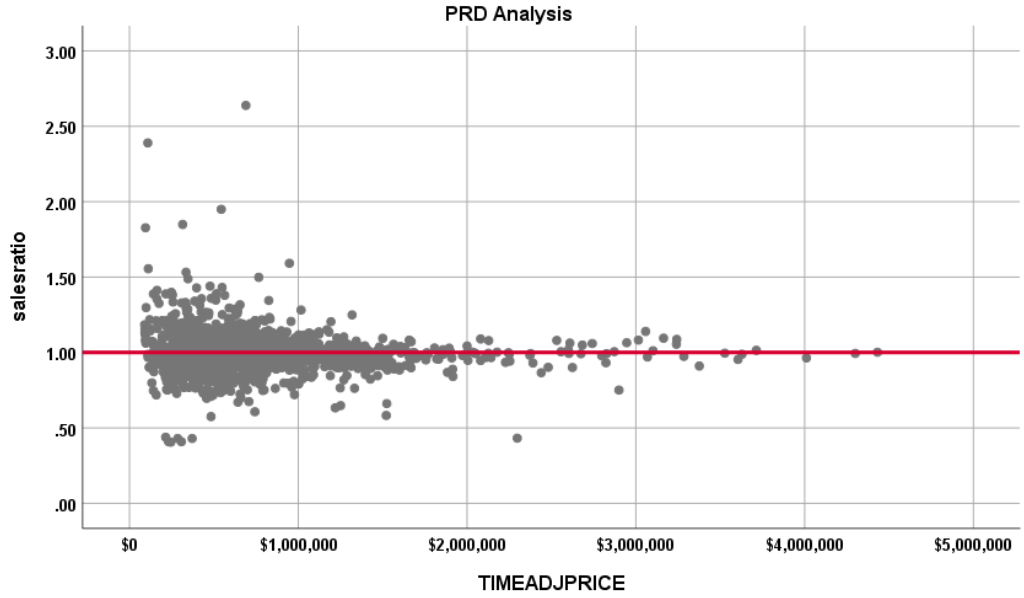
		Count	Percent
NBHD	10.0	40	6.6%
	57.0	63	10.5%
	64.0	20	3.3%
	66.0	24	4.0%
	67.0	21	3.5%
	96.0	51	8.5%
	98.0	20	3.3%
	99.0	25	4.2%
	135.0	34	5.6%
	136.0	39	6.5%
	138.0	53	8.8%
	259.0	26	4.3%
	318.0	26	4.3%
	430.0	20	3.3%
	1047.0	21	3.5%
	1165.0	38	6.3%
	1252.0	23	3.8%
	1286.0	24	4.0%
	1447.0	34	5.6%
Overall		602	100.0%
Excluded		348	
Total		950	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion
10.0	.981	1.013	.090
57.0	.998	1.012	.047
64.0	.985	.994	.042
66.0	.998	1.007	.123
67.0	1.001	1.002	.030
96.0	1.001	1.006	.066
98.0	1.070	1.036	.124
99.0	.987	1.004	.072
135.0	.984	1.004	.060
136.0	.996	1.001	.067
138.0	.996	1.000	.048
259.0	1.041	1.017	.065
318.0	1.002	1.008	.137
430.0	.995	1.000	.016
1047.0	.995	1.006	.055
1165.0	1.009	1.002	.048
1252.0	1.013	1.007	.071
1286.0	.973	1.006	.070
1447.0	1.020	1.001	.019
Overall	.998	1.003	.066

The above ratio statistics overall 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:





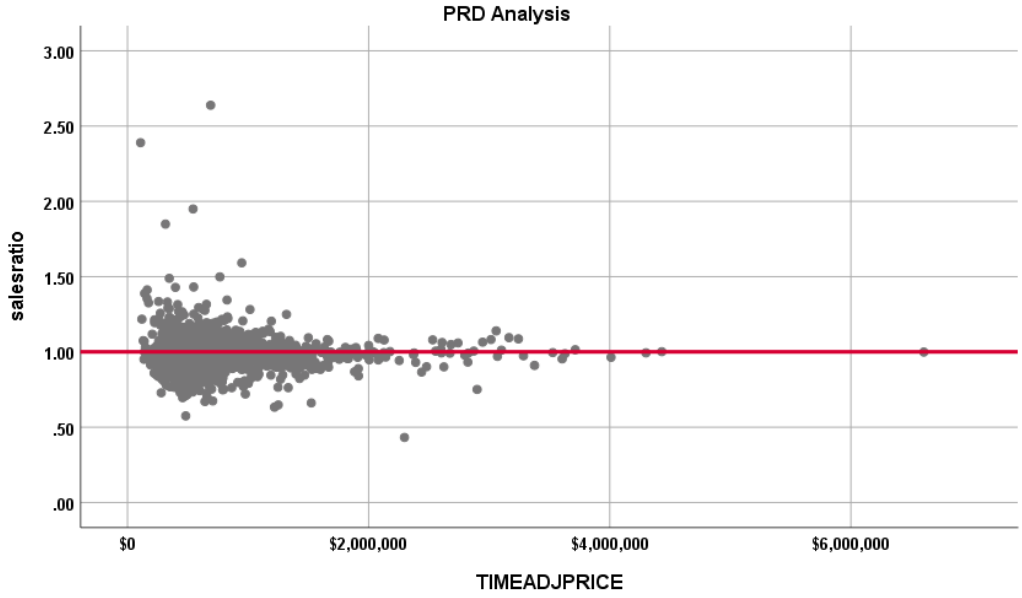
NOTE: SALES OVER $5,000,000 NOT INCLUDED FOR DESCRIPTIVE PURPOSES

The above graphs indicate that the distribution of the sale ratios was within state guidelines.

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:

1212 SALES



The Price-Related Differential (PRD) for all 1212 sales is 1.006, 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]

Model		Unstandardized Coefficients B	Unstandardized Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	.990	.004		254.283	.000
	CURRTOT	.0000000119	.000	.054	2.563	.010

a. Dependent Variable: salesratio

Although the statistical relationship was significant, the magnitude of the slope (red box) reflects that there is virtually no slope in the regression line. This indicates that sales ratios are similar across the actual values assigned by the assessor for sold 1212 residential properties.

We also stratified the sales ratio analysis by the sale price range in a tabular format, as follows:

Case Processing Summary

		Count	Percent
SPRec	LT $200K	21	0.9%
	$200K to $300K	101	4.4%
	$300K to $400K	293	12.8%
	$400K to $500K	435	19.1%
	$500K to $600K	310	13.6%
	$600K to $700K	297	13.0%
	$700K to $800K	245	10.7%
	$800K to $900K	154	6.7%
	$900K to $1,000K	93	4.1%
	Over $1,000K	333	14.6%
Overall		2282	100.0%
Excluded		0	
Total		2282	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion
LT $200K	1.000	1.022	.168
$200K to $300K	1.001	1.000	.055
$300K to $400K	1.000	1.000	.061
$400K to $500K	.998	1.001	.058
$500K to $600K	.999	1.000	.059
$600K to $700K	1.000	1.000	.066
$700K to $800K	.998	1.000	.059
$800K to $900K	.997	1.000	.049
$900K to $1,000K	.996	1.000	.062
Over $1,000K	.991	1.000	.055
Overall	.998	1.006	.060

Based on the above analysis, we concluded that there was no consistent pattern of regressivity or progressivity in the residential 1212 sale data for La Plata County.

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)	.939	.004		224.268	.000
	SalePeriod	.005	.000	.301	16.367	.000

a. Dependent Variable: salesratio

Overall, there was a statistically significant time trend in the La Plata residential sale data, although when broken down by economic area, 9 out of 14 economic areas did not have significant trends. The La Plata County assessor has been contacted concerning this residual market trend.

Sold/Unsold Analysis

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

Report

VALSF

sold	N	Median	Mean
0	18671	$321	$341
1	2692	$336	$359

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of VALSF is the same across categories of sold.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.

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

Since there was a significant association between sold and unsold residential properties using the value per square foot comparison method, we used the second comparison method that compares the median and mean change in value between sold and unsold residential properties for taxable years 2020 and 2022:

Report
DIFF

sold	N	Median	Mean
UNSOLD	17705	1.35	1.38
SOLD	2457	1.38	1.45

We next stratified the sold and unsold analysis by economic area (with at least 20 sales each) using the median change in value method, as follows:

Report
DIFF

ECONAREA	sold	N	Median	Mean
1.00	UNSOLD	1493	1.36	1.39
	SOLD	196	1.40	1.48
2.00	UNSOLD	447	1.33	1.39
	SOLD	66	1.45	1.56
3.00	UNSOLD	774	1.42	1.45
	SOLD	84	1.48	1.55
4.00	UNSOLD	1223	1.40	1.43
	SOLD	166	1.44	1.49
5.00	UNSOLD	403	1.42	1.43
	SOLD	95	1.45	1.47
6.00	UNSOLD	732	1.28	1.31
	SOLD	55	1.44	1.50
7.00	UNSOLD	473	1.31	1.33
	SOLD	44	1.33	1.45
8.00	UNSOLD	716	1.32	1.35
	SOLD	125	1.33	1.36
9.00	UNSOLD	3929	1.36	1.37
	SOLD	393	1.41	1.46
10.00	UNSOLD	1187	1.31	1.35
	SOLD	179	1.32	1.38
11.00	UNSOLD	1975	1.32	1.35
	SOLD	229	1.38	1.43
12.00	UNSOLD	635	1.38	1.38
	SOLD	138	1.37	1.39
80.00	UNSOLD	363	1.32	1.37
	SOLD	109	1.29	1.31
90.00	UNSOLD	967	1.32	1.34
	SOLD	244	1.33	1.34

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

Report
DIFF

ECONAREA	sold	N	Median	Mean
1.00	UNSOLD	1493	1.36	1.39
	SOLD	196	1.40	1.48
2.00	UNSOLD	447	1.33	1.39
	SOLD	66	1.45	1.56
3.00	UNSOLD	774	1.42	1.45
	SOLD	84	1.48	1.55
4.00	UNSOLD	1223	1.40	1.43
	SOLD	166	1.44	1.49

5.00	UNSOLD	403	1.42	1.43
	SOLD	95	1.45	1.47
6.00	UNSOLD	732	1.28	1.31
	SOLD	55	1.44	1.50
7.00	UNSOLD	473	1.31	1.33
	SOLD	44	1.33	1.45
8.00	UNSOLD	716	1.32	1.35
	SOLD	125	1.33	1.36
9.00	UNSOLD	3929	1.36	1.37
	SOLD	393	1.41	1.46
10.00	UNSOLD	1187	1.31	1.35
	SOLD	179	1.32	1.38
11.00	UNSOLD	1975	1.32	1.35
	SOLD	229	1.38	1.43
12.00	UNSOLD	635	1.38	1.38
	SOLD	138	1.37	1.39
80.00	UNSOLD	363	1.32	1.37
	SOLD	109	1.29	1.31
90.00	UNSOLD	967	1.32	1.34
	SOLD	244	1.33	1.34

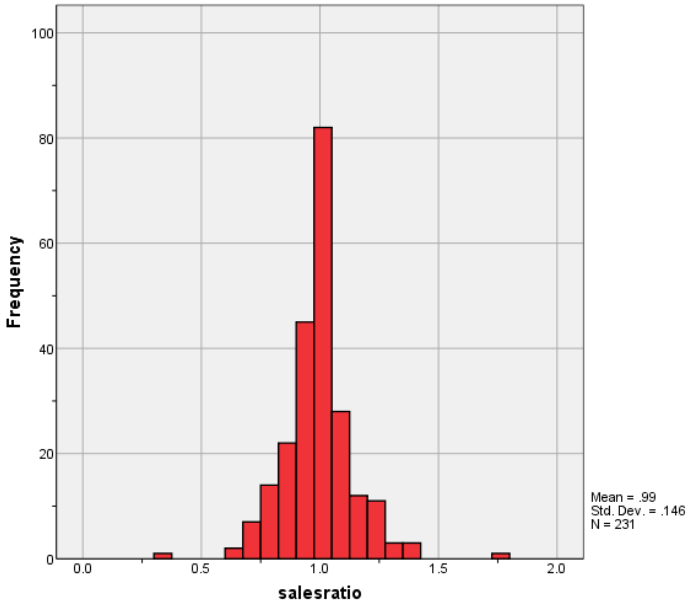
Based on the above results, we concluded that sold and unsold residential properties were valued in a consistent manner.

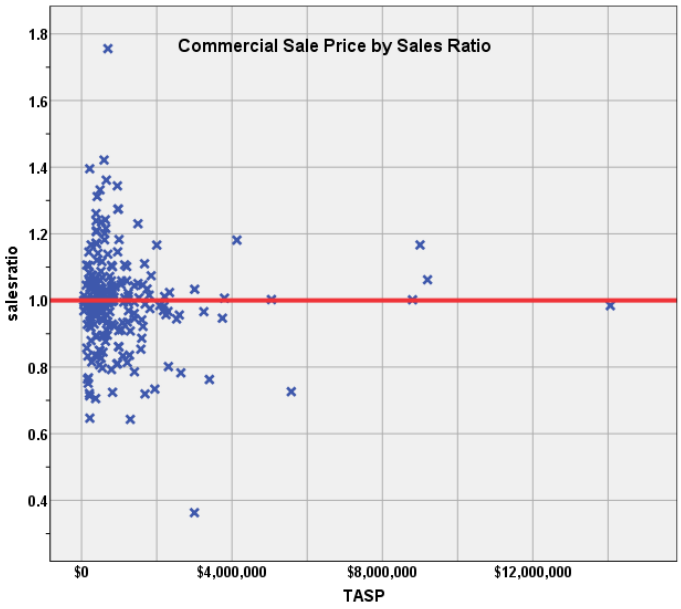
IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

There were 231 qualified commercial sales for the 24-month period ending June 2022. The sales ratio analysis was analyzed as follows:

Median	**0.996**
Price Related Differential	**1.010**
Coefficient of Dispersion	**9.8**

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:





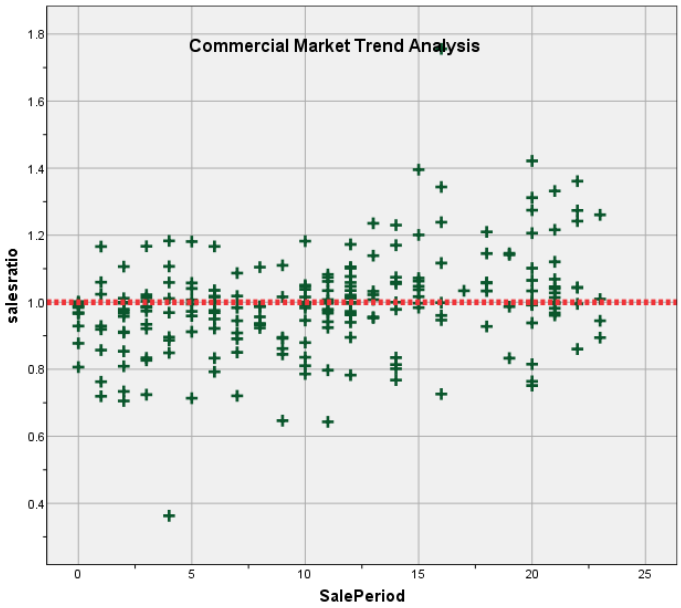
Commercial Market Trend Analysis

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)	.919	.017		53.957	.000
	SalePeriod	.007	.001	.329	5.265	.000

a. Dependent Variable: salesratio



While the overall market trend results indicated a statistically significant trend, when stratified by subclass there was no residual market trending in the commercial sale data. We therefore concluded 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 change in value between sold and unsold commercial properties for taxable years 2020 and 2022 to determine if the assessor was valuing each group consistently, as follows:

Report
DIFF

sold	N	Median	Mean
UNSOLD	1349	1.13	1.18
SOLD	217	1.34	1.57

Although the overall commercial sold and unsold comparison indicated a significant difference, when stratified by subclass, there was no pattern of sold properties being valued at a higher rate than unsold properties for commercial subclasses with sufficient sales:

Report
DIFF

ABSTRIMP	sold	N	Median	Mean
2212	UNSOLD	136	1.13	1.14
	SOLD	5	1.90	1.77
2215	UNSOLD	44	1.14	1.42
	SOLD	7	1.44	1.39
2220	UNSOLD	83	1.13	1.13
	SOLD	13	1.15	1.31
2230	UNSOLD	282	1.12	1.24
	SOLD	18	1.19	1.46

2235	UNSOLD	112	1.15	1.38
	SOLD	8	1.22	1.42
2245	UNSOLD	475	1.13	1.13
	SOLD	44	1.14	1.16

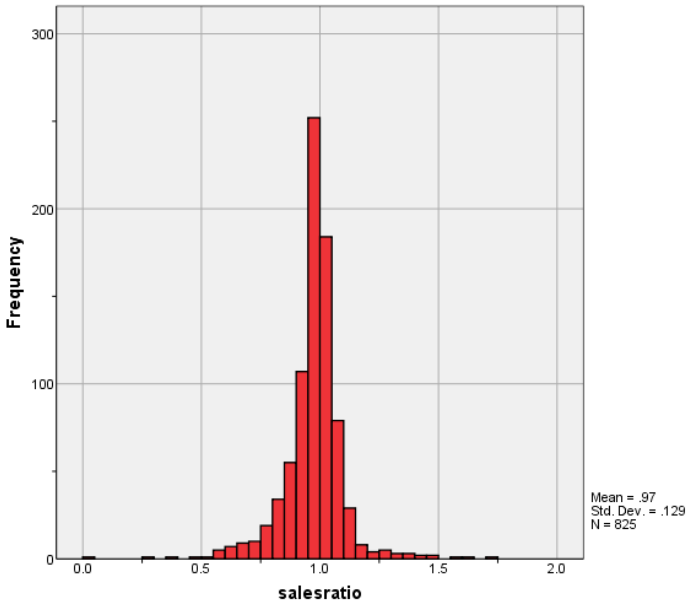
Based on these results, we concluded that the assessor was valuing sold and unsold commercial properties consistently in La Plata County.

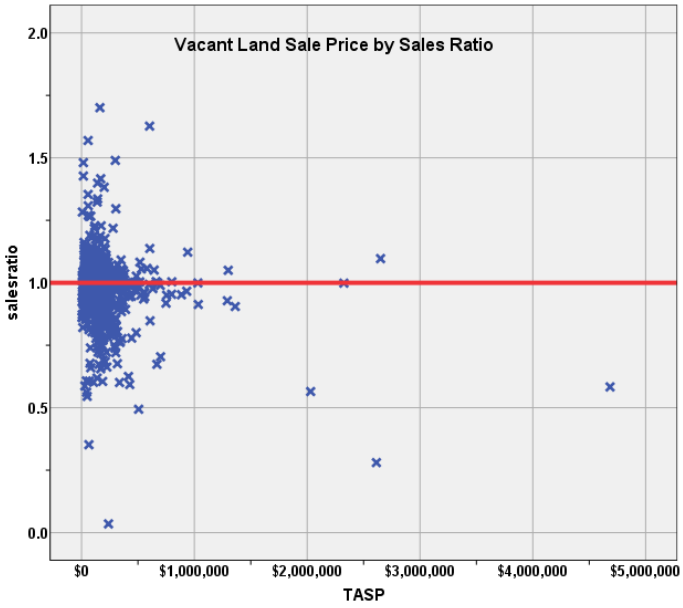
V. VACANT LAND SALE RESULTS

There were 825 qualified vacant land sales for the 24 month period ending June 30, 2022. These qualified vacant land sales were analyzed as follows:

Median	**0.989**
Price Related Differential	**1.031**
Coefficient of Dispersion	**8.0**

The above table indicates 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:





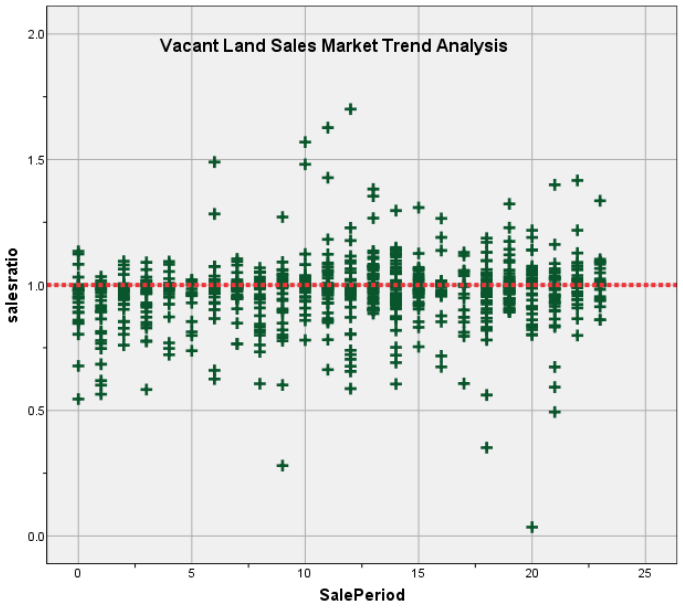
Vacant Land Market Trend Analysis

Vacant land market trending was next analyzed, examining the vacant land sale 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)	.944	.009		100.404	.000
	SalePeriod	.002	.001	.125	3.620	.000

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 2020 and 2022 for vacant land properties to determine if sold and unsold properties were valued consistently, as follows:

Report
DIFF

sold	N	Median	Mean
UNSOLD	5098	1.23	1.40
SOLD	729	1.27	1.37

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

Report
DIFF

SUBDIVNO	sold	N	Median	Mean
112	UNSOLD	13	1.27	1.27
	SOLD	10	1.27	1.15
135	UNSOLD	104	1.60	1.61
	SOLD	33	1.44	1.58
136	UNSOLD	109	1.12	1.39
	SOLD	29	1.29	1.27
137	UNSOLD	115	2.92	2.88
	SOLD	13	2.92	2.70
138	UNSOLD	39	1.50	1.52
	SOLD	6	1.16	1.16
139	UNSOLD	40	2.28	2.02
	SOLD	11	1.59	1.90
214	UNSOLD	22	1.16	1.17
	SOLD	11	1.32	1.40
215	UNSOLD	30	1.35	1.66
	SOLD	11	1.39	1.48
397	UNSOLD	30	1.26	1.32
	SOLD	10	1.26	1.32
402	UNSOLD	20	1.47	1.37
	SOLD	7	1.47	1.56
837	UNSOLD	9	1.21	1.21
	SOLD	6	1.14	1.16
1053	UNSOLD	5	1.15	1.15
	SOLD	19	1.15	1.18
1054	UNSOLD	12	1.55	1.54
	SOLD	15	1.36	1.53
1086	UNSOLD	6	1.58	1.59
	SOLD	8	1.47	1.50
1123	UNSOLD	6	1.22	1.26
	SOLD	6	1.17	1.23
1153	UNSOLD	10	.98	.94
	SOLD	16	.99	.89
1183	UNSOLD	2	.94	.94

	SOLD	7	1.01	1.12
1421	UNSOLD	15	1.28	1.28
	SOLD	15	1.28	1.37
1422	UNSOLD	8	1.03	1.03
	SOLD	14	.90	.91
1447	UNSOLD	3	1.25	1.25
	SOLD	11	1.25	1.17
1470	UNSOLD	4	1.13	1.13
	SOLD	6	1.13	1.13
1472	UNSOLD	1	1.10	1.10
	SOLD	7	1.10	1.10
1484	UNSOLD	5	1.89	1.71
	SOLD	24	1.43	1.36
1489	UNSOLD	6	1.21	1.21
	SOLD	18	1.21	1.17
1541	UNSOLD	19	1.31	1.41
	SOLD	11	1.42	1.42

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. As noted, we have consulted with the assessor to advise them about the results of the residential market trending analysis.

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
.998	.994	1.003	.998	.998	.999	95.3%	.993	.989	.997	1.005	.065	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
.994	.975	1.013	.996	.985	1.001	95.2%	.985	.955	1.015	1.010	.098	14.7%

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
.974	.965	.983	.989	.985	.993	95.7%	.944	.912	.976	1.031	.080	13.2%

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	0	2	0.1%
	1212	2278	84.6%
	1215	51	1.9%
	1216	1	0.0%
	1220	5	0.2%
	1225	7	0.3%
	1230	348	12.9%
	4277	2	0.1%
Overall		2694	100.0%
Excluded		0	
Total		2694	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
0	.953	.996	.079	11.2%
1212	.998	1.006	.060	10.2%
1215	.996	1.003	.068	9.9%
1216	.999	1.000	.000	.
1220	1.018	1.002	.018	2.4%
1225	.996	1.000	.013	2.2%
1230	.998	1.005	.102	15.9%
4277	.753	1.041	.159	22.5%
Overall	.998	1.005	.065	11.1%

Improvement Age

Case Processing Summary

		Count	Percent
AgeRec	0	2	0.1%
	Over 100	90	3.3%
	75 to 100	37	1.4%
	50 to 75	193	7.2%
	25 to 50	893	33.1%
	5 to 25	1121	41.6%
	5 or Newer	358	13.3%
Overall		2694	100.0%
Excluded		0	
Total		2694	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
0	.953	.996	.079	11.2%
Over 100	1.000	1.006	.063	9.5%
75 to 100	.994	1.001	.070	9.6%
50 to 75	.996	1.006	.062	10.1%
25 to 50	.998	1.003	.076	13.3%
5 to 25	.998	1.003	.061	9.3%
5 or Newer	1.001	1.015	.053	11.1%
Overall	.998	1.005	.065	11.1%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	0	2	0.1%
	LE 500 sf	63	2.3%
	500 to 1,000 sf	246	9.1%
	1,000 to 1,500 sf	740	27.5%
	1,500 to 2,000 sf	728	27.0%
	2,000 to 3,000 sf	672	24.9%
	3,000 sf or Higher	243	9.0%
Overall		2694	100.0%
Excluded		0	
Total		2694	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
0	.953	.996	.079	11.2%
LE 500 sf	.929	1.041	.141	19.6%
500 to 1,000 sf	.997	1.013	.082	13.7%
1,000 to 1,500 sf	.998	1.007	.068	11.1%
1,500 to 2,000 sf	.998	1.005	.059	9.6%
2,000 to 3,000 sf	.999	1.009	.060	11.2%
3,000 sf or Higher	1.000	1.009	.053	8.3%
Overall	.998	1.005	.065	11.1%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY		2	0.1%
	1 - MINIMUM 75	5	0.2%
	2 - BELOW AVG 90	77	2.9%
	3 - AVG 100	1067	39.6%
	33 - AVG 105	211	7.8%
	37 - AVG 110	256	9.5%
	4 - AB AVG 115	312	11.6%

	45 - AB AVG 120	147	5.5%
	5 - GOOD 125	181	6.7%
	53 - GOOD 130	45	1.7%
	57 - GOOD 135	53	2.0%
	6 - V GOOD 140	99	3.7%
	63 - V GOOD 145	40	1.5%
	65 - V GOOD 150	31	1.2%
	67 - V GOOD 155	36	1.3%
	7 - EXCELL 160	36	1.3%
	71 - EXCELL 165	7	0.3%
	72 - EXCELL 170	18	0.7%
	74 - EXCELL 175	5	0.2%
	75 - EXCELL 180	7	0.3%
	77 - EXCELL 185	9	0.3%
	78 - EXCELL 190	11	0.4%
	79 - EXCELL 195	4	0.1%
	8 - EXCELL 200	26	1.0%
	9 - EXCEPTIONAL 250	9	0.3%
Overall		2694	100.0%
Excluded		0	
Total		2694	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
	.953	.996	.079	11.2%
1 - MINIMUM 75	1.179	.996	.098	13.3%
2 - BELOW AVG 90	.996	1.006	.062	10.3%
3 - AVG 100	.999	1.004	.061	10.1%
33 - AVG 105	.999	.998	.064	14.2%
37 - AVG 110	.997	1.006	.070	12.2%
4 - AB AVG 115	.996	1.000	.069	9.9%
45 - AB AVG 120	.999	1.007	.074	11.6%
5 - GOOD 125	.999	1.008	.074	13.2%
53 - GOOD 130	.995	.997	.080	14.9%
57 - GOOD 135	.999	1.001	.054	9.4%
6 - V GOOD 140	1.003	1.017	.072	11.6%
63 - V GOOD 145	.977	1.005	.054	7.0%
65 - V GOOD 150	1.000	1.014	.064	11.6%
67 - V GOOD 155	1.006	1.014	.065	12.2%
7 - EXCELL 160	.978	1.005	.053	7.4%
71 - EXCELL 165	.994	1.003	.025	3.7%
72 - EXCELL 170	.990	.989	.042	5.9%
74 - EXCELL 175	1.000	1.002	.038	6.3%
75 - EXCELL 180	1.003	1.007	.048	7.0%
77 - EXCELL 185	.949	.994	.061	8.0%
78 - EXCELL 190	.999	1.021	.050	9.9%
79 - EXCELL 195	.974	.985	.035	4.6%
8 - EXCELL 200	1.004	1.017	.080	15.0%
9 - EXCEPTIONAL 250	.997	1.001	.026	3.5%
Overall	.998	1.005	.065	11.1%

Commercial Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	$50K to $100K	5	2.2%
	$100K to $150K	3	1.3%
	$150K to $200K	12	5.2%
	$200K to $300K	29	12.6%
	$300K to $500K	39	16.9%
	$500K to $750K	45	19.5%
	$750K to $1,000K	32	13.9%
	Over $1,000K	66	28.6%
Overall		231	100.0%
Excluded		0	
Total		231	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
$50K to $100K	1.000	1.000	.011	1.8%
$100K to $150K	1.046	1.002	.079	13.4%
$150K to $200K	.991	.993	.114	14.8%
$200K to $300K	.984	.998	.091	14.3%
$300K to $500K	1.016	.999	.106	14.0%
$500K to $750K	.997	.997	.108	17.7%
$750K to $1,000K	1.010	.998	.095	13.8%
Over $1,000K	.985	.990	.093	14.1%
Overall	.996	1.010	.098	14.7%

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	1212	41	17.7%
	1230	69	29.9%
	1464	1	0.4%
	1546	1	0.4%
	1551	1	0.4%
	1551	1	0.4%
	1712	2	0.9%
	1714	1	0.4%
	1718	1	0.4%
	1721	2	0.9%
	1724	1	0.4%
	1735	1	0.4%
	1992	1	0.4%
	2072	1	0.4%
	2081	1	0.4%
	2212	7	3.0%

	2215	8	3.5%
	2220	14	6.1%
	2225	2	0.9%
	2230	20	8.7%
	2235	8	3.5%
	2240	1	0.4%
	2245	45	19.5%
	3215	1	0.4%
Overall		231	100.0%
Excluded		0	
Total		231	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
1212	1.003	1.030	.103	15.1%
1230	.987	1.002	.133	16.9%
1464	1.230	1.000	.000	.
1546	1.024	1.000	.000	.
1551	.836	1.000	.000	.
1551	.935	1.000	.000	.
1712	1.031	1.007	.042	5.9%
1714	1.083	1.000	.000	.
1718	1.173	1.000	.000	.
1721	.980	1.015	.020	2.8%
1724	.998	1.000	.000	.
1735	.985	1.000	.000	.
1992	1.110	1.000	.000	.
2072	.763	1.000	.000	.
2081	1.146	1.000	.000	.
2212	.950	1.152	.179	36.2%
2215	.992	.965	.069	11.3%
2220	1.001	.938	.064	9.2%
2225	.868	1.011	.063	8.9%
2230	.997	.973	.048	7.1%
2235	.972	1.258	.123	24.6%
2240	1.041	1.000	.000	.
2245	.997	1.002	.064	10.1%
3215	.922	1.000	.000	.
Overall	.996	1.010	.098	14.7%

Age

Case Processing Summary

		Count	Percent
AgeRec	Over 100	17	7.4%
	75 to 100	4	1.7%
	50 to 75	15	6.5%
	25 to 50	93	40.3%
	5 to 25	83	35.9%
	5 or Newer	19	8.2%
Overall		231	100.0%
Excluded		0	
Total		231	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
Over 100	1.001	.994	.055	7.1%
75 to 100	.937	1.085	.070	11.1%
50 to 75	.976	1.012	.078	11.4%
25 to 50	.987	1.011	.111	15.6%
5 to 25	.997	1.015	.099	14.2%
5 or Newer	1.018	1.006	.084	19.5%
Overall	.996	1.010	.098	14.7%

Improved Area

Case Processing Summary

		Count	Percent
ImpSFRec	LE 500 sf	20	8.7%
	500 to 1,000 sf	39	16.9%
	1,000 to 1,500 sf	41	17.7%
	1,500 to 2,000 sf	31	13.4%
	2,000 to 3,000 sf	41	17.7%
	3,000 sf or Higher	59	25.5%
Overall		231	100.0%
Excluded		0	
Total		231	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LE 500 sf	.904	1.007	.129	15.6%
500 to 1,000 sf	.998	1.007	.063	9.9%
1,000 to 1,500 sf	1.000	1.026	.108	14.5%
1,500 to 2,000 sf	1.016	.995	.108	15.5%
2,000 to 3,000 sf	.988	1.025	.100	14.2%
3,000 sf or Higher	.995	1.009	.091	16.5%
Overall	.996	1.010	.098	14.7%

Improvement Quality

Case Processing Summary

		Count	Percent
QUALITY	1 - MINIMUM	2	0.9%
	2 - BELOW AVERAGE	10	4.3%
	3 - AVERAGE	88	38.1%
	3 - AVG 100	6	2.6%
	37 - AVG 110	9	3.9%
	4 - AB AVG 115	26	11.3%
	4 - ABOVE AVERAGE	12	5.2%
	45 - AB AVG 120	7	3.0%
	5 - EXCELLENT	3	1.3%
	5 - GOOD 125	2	0.9%
	53 - GOOD 130	1	0.4%
	57 - GOOD 135	4	1.7%
	6 - V GOOD 140	4	1.7%
	63 - V GOOD 145	15	6.5%
	65 - V GOOD 150	2	0.9%
	67 - V GOOD 155	4	1.7%
	7 - EXCELL 160	5	2.2%
	71 - EXCELL 165	4	1.7%
	72 - EXCELL 170	4	1.7%
	75 - EXCELL 180	2	0.9%
	77 - EXCELL 185	1	0.4%
	78 - EXCELL 190	1	0.4%
	79 - EXCELL 195	5	2.2%
	8 - EXCELL 200	14	6.1%
Overall		231	100.0%
Excluded		0	
Total		231	

Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
1 - MINIMUM	.997	1.000	.003	0.4%
2 - BELOW AVERAGE	.999	1.094	.054	9.6%
3 - AVERAGE	.991	1.013	.077	13.9%
3 - AVG 100	.994	1.010	.107	15.1%
37 - AVG 110	1.048	1.003	.090	11.8%
4 - AB AVG 115	.920	.958	.137	17.0%
4 - ABOVE AVERAGE	1.021	.956	.075	10.2%
45 - AB AVG 120	.962	1.007	.121	16.9%
5 - EXCELLENT	1.001	1.107	.161	28.6%
5 - GOOD 125	1.072	1.033	.045	6.4%
53 - GOOD 130	1.069	1.000	.000	.
57 - GOOD 135	.823	1.054	.090	12.8%
6 - V GOOD 140	.960	1.076	.169	25.1%
63 - V GOOD 145	1.041	1.032	.108	16.6%
65 - V GOOD 150	1.138	1.127	.250	35.3%
67 - V GOOD 155	1.159	1.025	.122	16.5%
7 - EXCELL 160	.998	.999	.023	3.9%
71 - EXCELL 165	1.083	1.011	.085	14.4%
72 - EXCELL 170	.998	1.004	.015	3.0%

75 - EXCELL 180	.877	.966	.077	10.9%
77 - EXCELL 185	.956	1.000	.000	.
78 - EXCELL 190	.862	1.000	.000	.
79 - EXCELL 195	.860	1.050	.184	28.8%
8 - EXCELL 200	1.003	1.021	.078	11.0%
Overall	.996	1.010	.098	14.7%

Vacant Land Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT $25K	47	5.7%
	$25K to $50K	62	7.5%
	$50K to $100K	120	14.5%
	$100K to $150K	161	19.5%
	$150K to $200K	166	20.1%
	$200K to $300K	138	16.7%
	$300K to $500K	92	11.2%
	$500K to $750K	23	2.8%
	$750K to $1,000K	6	0.7%
	Over $1,000K	10	1.2%
Overall		825	100.0%
Excluded		0	
Total		825	

Ratio Statistics for CURRLND / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT $25K	.965	.992	.083	13.8%
$25K to $50K	.985	1.006	.086	13.0%
$50K to $100K	.998	1.002	.077	13.4%
$100K to $150K	.988	1.000	.072	10.8%
$150K to $200K	.994	1.001	.076	12.2%
$200K to $300K	.987	1.001	.083	14.1%
$300K to $500K	.990	.999	.071	12.0%
$500K to $750K	.976	1.001	.118	20.8%
$750K to $1,000K	.960	.997	.041	7.9%
Over $1,000K	.921	1.083	.198	30.5%
Overall	.989	1.031	.080	13.1%

Subclass

Case Processing Summary

		Count	Percent
ABSTRLND	100	445	53.9%
	200	13	1.6%
	520	13	1.6%
	530	7	0.8%
	540	9	1.1%
	550	22	2.7%
	1112	299	36.2%
	1115	3	0.4%
	1120	1	0.1%
	1124	1	0.1%
	1125	1	0.1%
	1129	1	0.1%
	1135	5	0.6%
	1621	1	0.1%
	2130	2	0.2%
	2135	1	0.1%
	4112	1	0.1%
Overall		825	100.0%
Excluded		0	
Total		825	

Ratio Statistics for CURRLND / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
100	.985	1.012	.074	12.5%
200	.991	1.254	.129	25.0%
520	.990	1.008	.055	12.2%
530	1.000	.997	.032	8.1%
540	.998	1.005	.026	4.2%
550	.995	1.004	.098	15.8%
1112	.995	1.013	.080	12.2%
1115	.944	.992	.037	5.5%
1120	1.122	1.000	.000	.
1124	.782	1.000	.000	.
1125	1.627	1.000	.000	.
1129	1.296	1.000	.000	.
1135	1.140	1.043	.169	23.6%
1621	1.049	1.000	.000	.
2130	1.071	.980	.024	3.4%
2135	1.043	1.000	.000	.
4112	.565	1.000	.000	.
Overall	.989	1.031	.080	13.1%