



2022

# ELBERT COUNTY PROPERTY ASSESSMENT STUDY

---



**WILDROSE**  
APPRAISAL, INCORPORATED  
**Audit Division**



September 15, 2022

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

**RE: Final Report for the 2022 Colorado Property Assessment Study**

Dear Ms. Mullis:

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

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

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

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

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

A handwritten signature in black ink that reads "Harry J. Fuller". The signature is written in a cursive style.

Harry J. Fuller  
Project Manager  
Wildrose Appraisal Inc. – Audit Division

## TABLE OF CONTENTS

Introduction .....	3
Regional/Historical Sketch of Elbert County .....	4
Ratio Analysis.....	6
Time Trending Verification .....	8
Sold/Unsold Analysis .....	9
Agricultural Land Study .....	11
<i>Agricultural Land</i> .....	11
<i>Agricultural Outbuildings</i> .....	12
<i>Agricultural Land Under Improvements</i> .....	13
Sales Verification.....	14
Economic Area Review and Evaluation .....	16
Natural Resources .....	17
<i>Earth and Stone Products</i> .....	17
<i>Producing Oil and Gas</i> .....	17
Vacant Land.....	18
Possessory Interest Properties .....	19
Personal Property Audit .....	20
Wildrose Auditor Staff.....	22
Appendices.....	23

# 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.

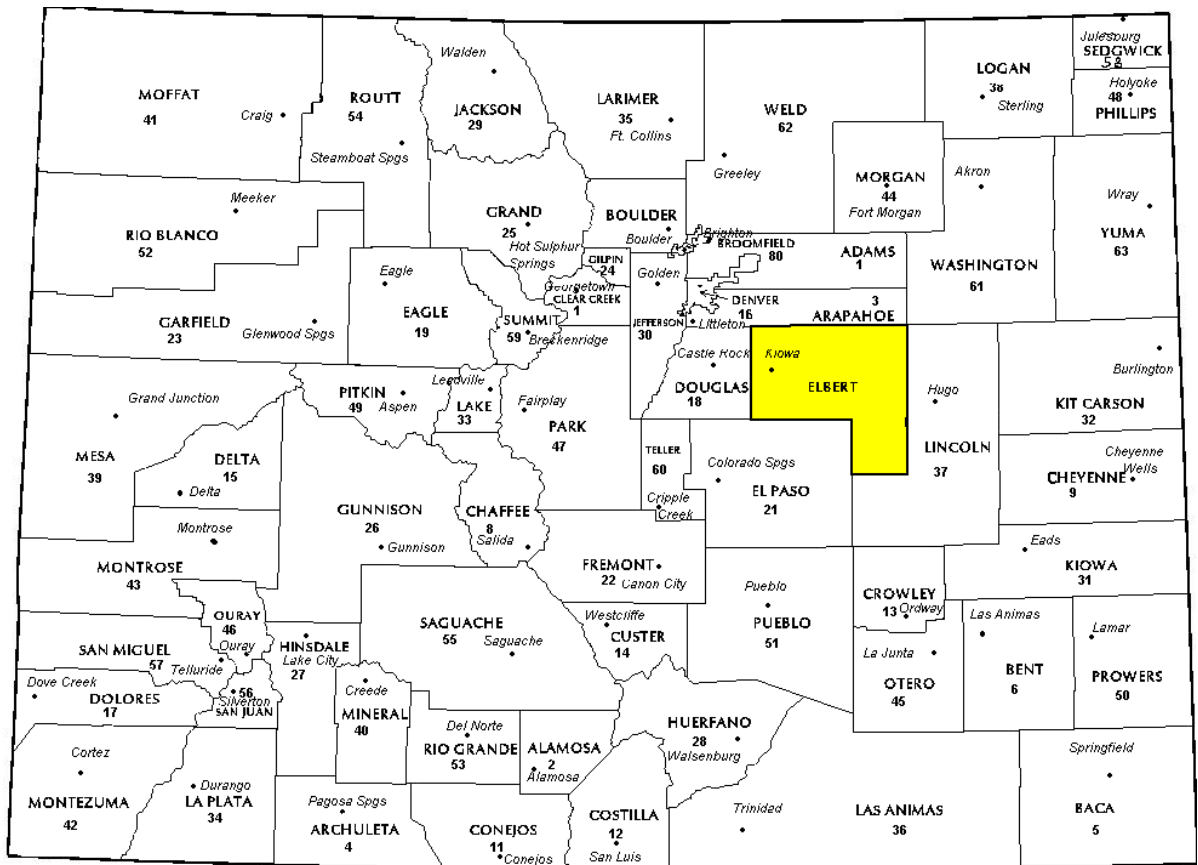
Wildrose Audit has completed the Property Assessment Study for 2022 and is pleased to report its findings for Elbert County in the following report.

# REGIONAL/HISTORICAL SKETCH OF ELBERT COUNTY

## Regional Information

Elbert County is located in the Eastern Plains region of Colorado. The Eastern Plains of Colorado refer to the region on the east side of the Rocky Mountain. It is east of the population centers of the Front Range,

including Baca, Bent, Cheyenne, Crowley, Elbert, Kiowa, Kit Carson, Lincoln, Logan, Morgan, Otero, Phillips, Prowers, Sedgwick, Washington, and Yuma counties.





## Historical Information

Elbert County has approximately 1850.9 square miles and an estimated population of approximately 26,729 people, according to the U.S. Census Bureau's 2020 estimated census data. This represents a 15.8 percent change from April 1, 2010 to July 1, 2019.

Elbert County was created on February 2, 1874, from the eastern portions of Douglas County. On February 6, 1874, the county was enlarged to include part of northern Greenwood County upon Greenwood's dissolution, and originally extended south and east of its present boundaries to reach to the Kansas state line. The county was named for Samuel Hitt Elbert, the Governor of the Territory of Colorado when the county was formed. In 1889, Elbert County was reduced to its modern size when its eastern portions

were taken to create Lincoln, Kit Carson, and Cheyenne counties. The county seat is Kiowa, named for the Kiowa Indian tribe of the southern Plains, who called themselves Kae-gua.

Elbert County is bordered on the west by Douglas, the north by Arapahoe and the south by El Paso County. During the 1990's Elbert was the second fastest growing county in Colorado (after Douglas) and it continues to grow at a rapid pace. It currently has over 20,000 residents, mostly living on two to 60-acre lots on the western side. Most residents commute to Denver or Colorado Springs for work. The eastern side of the county continues to be sparsely populated ranchland.

*(Wikipedia.org & centennialmhc.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 Elbert County are:

<b>Elbert County Ratio Grid</b>					
<b>Property Class</b>	<b>Number of Qualified Sales</b>	<b>Unweighted Median Ratio</b>	<b>Price Related Differential</b>	<b>Coefficient of Dispersion</b>	<b>Time Trend Analysis</b>
*Commercial/Industrial	27	0.997	0.991	7.7	Compliant
Single Family	1,055	0.984	1.007	7.8	Compliant
Vacant Land	250	0.965	1.079	18	Compliant

*\*County Sales File augmented by 4 supplemental appraisals*

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

Elbert 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.

<b>Sold/Unsold Results</b>	
<b>Property Class</b>	<b>Results</b>
Commercial/Industrial	Compliant
Single Family	Compliant
Vacant Land	Compliant

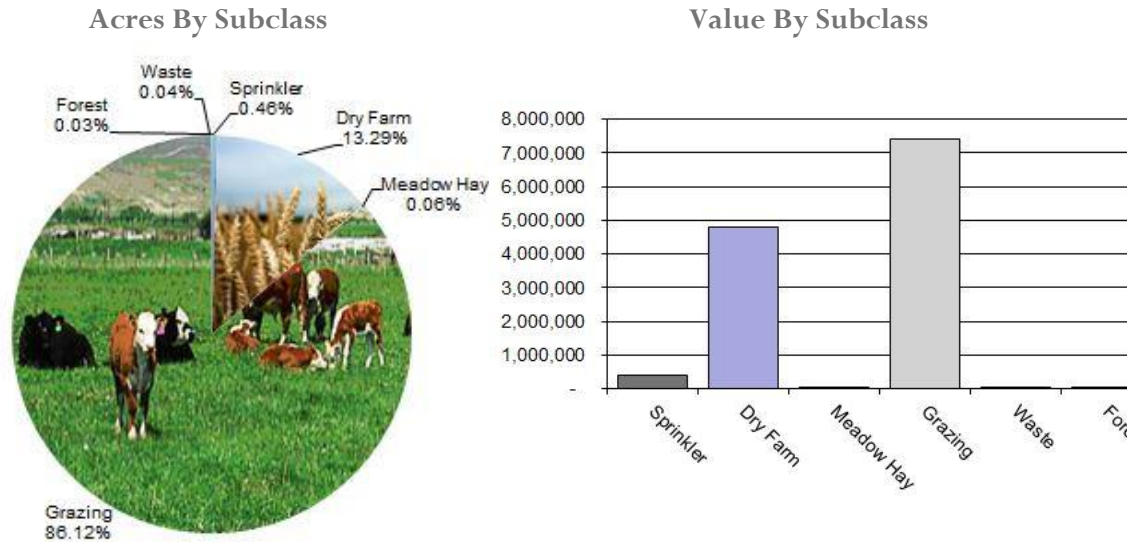
**Conclusions**

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

**Recommendations**

None

# AGRICULTURAL LAND STUDY



## Agricultural Land

County records were reviewed to determine major land categories such as irrigated farm, dry farm, meadow hay, grazing and other lands. In addition, county records were reviewed in order to determine if: 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:

Elbert 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	4,441	84.34	374,533	377,340	0.99
4127	Dry Farm	162,141	34.19	5,544,238	5,555,182	1.00
4137	Meadow Hay	532	30.90	16,441	16,441	1.00
4147	Grazing	832,270	8.14	6,774,450	6,774,450	1.00
4177	Forest	336	7.80	2,621	2,621	1.00
4167	Waste	422	2.20	929	929	1.00
<b>Total/Avg</b>		<b>1,000,142</b>	<b>12.71</b>	<b>12,713,211</b>	<b>12,726,963</b>	<b>1.00</b>

### 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.

Property Taxation for the valuation of agricultural outbuildings.

### Recommendations

None

### Conclusions

Elbert County has complied with the procedures provided by the Division of

---

## 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

Elbert 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
- Aerial Photography/Pictometry

Elbert 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.:

- Questionnaires
- Field Inspections
- Phone Interviews
- In-Person Interviews with Owners/Tenants
- Written Correspondence other than Questionnaire
- Aerial Photography/Pictometry

Elbert 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 2022 for Elbert County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 30 sales listed as unqualified.

All of the sales in the unqualified sales sample had reasons that were clear and supportable.

For residential, commercial, and vacant land sales with considerations over \$100,000, the contractor has examined and reported the ratio of qualified sales to total sales by class and performed the following analyses of unqualified sales:

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

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



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

### **Conclusions**

Elbert County appears to be doing an adequate job of verifying their sales. WRA agreed with

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

### **Recommendations**

None



# ECONOMIC AREA REVIEW AND EVALUATION

## **Methodology**

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

## VACANT LAND

### **Subdivision Discounting**

Subdivisions were reviewed in 2022 in Elbert 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**

Elbert 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.

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

assessing and valuing agricultural 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

Elbert 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

Elbert 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.

Elbert 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
- Leases
- Bill of Sales
- Local inspections
- Taxpayer visits
- Voluntary filings
- Area canvassing

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.

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



- Businesses in a selected area
- Accounts with obvious discrepancies
- New businesses filing for the first time
- Accounts with greater than 10% change
- Incomplete or inconsistent declarations
- Businesses with no deletions or additions for 2 or more years
- Non-filing Accounts - Best Information Available
- Accounts close to the \$50,000 actual value exemption status
- Accounts protested with substantial disagreement
- Date of BPP items w/ no changes

### **Conclusions**

Elbert 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

**Harry J. Fuller**, *Audit Project Manager*

**Suzanne Howard**, *Audit Administrative Manager*

**Steve Kane**, *Audit Statistician*

**Carl W. Ross**, *Agricultural/Natural Resource Analyst*

**J. Andrew Rodriguez**, *Field Analyst*

# APPENDICES



## STATISTICAL COMPLIANCE REPORT FOR ELBERT COUNTY 2022

### I. OVERVIEW

Elbert County is located in eastern Colorado. The county has a total of 18,017 real property parcels, according to data submitted by the county assessor’s office in 2022. The following provides a breakdown of property classes for this county:



The vacant land class of properties was dominated by residential and PUD land. Residential lots (coded 100, 400 and 1112) accounted for 73.5% of all vacant land parcels.

For residential improved properties, single family properties accounted for 98.9% of all residential properties.

Commercial and industrial properties represented a much smaller proportion of property classes in comparison. Commercial/industrial sales accounted for 1.6% of all such properties in this county.

### II. DATA FILES

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

### III. RESIDENTIAL SALES RESULTS

There were 1,055 qualified residential sales for the 24-month sale period ending June 30, 2020 in Elbert County. The sales ratio analysis results were as follows:

Median	<b>0.984</b>
Price Related Differential	<b>1.007</b>
Coefficient of Dispersion	<b>7.8</b>

We next stratified the sale ratio analysis by economic area and neighborhood. The minimum count for the neighborhood stratification is 15 sales. The following are the results of this stratification analysis:

#### Economic Area

##### Case Processing Summary

		Count	Percent
ECONAREA	1.00	52	5.0%
	2.00	980	95.0%
Overall		1032	100.0%
Excluded		23	
Total		1055	

##### Ratio Statistics for CURRTOT / TASP

Group	N	Median	Price Related Differential	Coefficient of Dispersion
1.00	52	.964	1.039	.141
2.00	980	.986	1.005	.074
Overall	1032	.984	1.007	.078

#### Neighborhoods with 15 or more sales

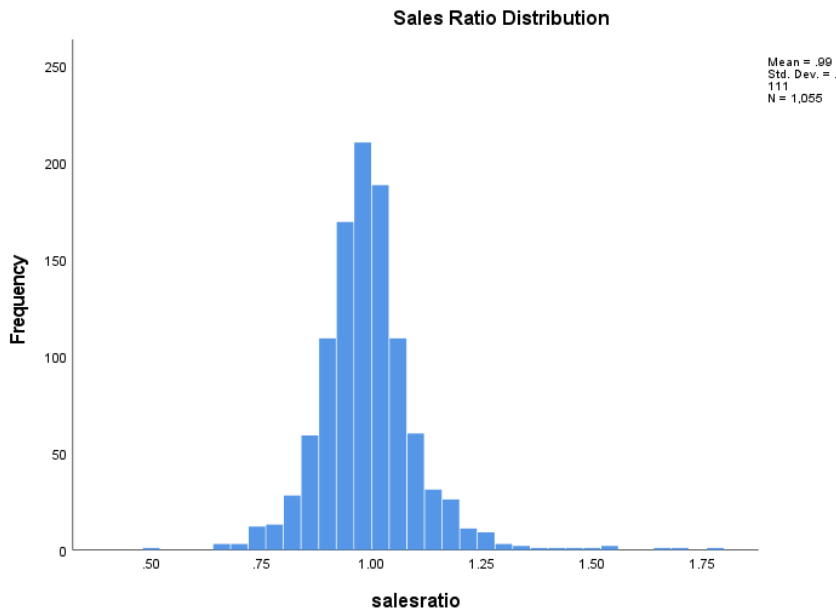
##### Case Processing Summary

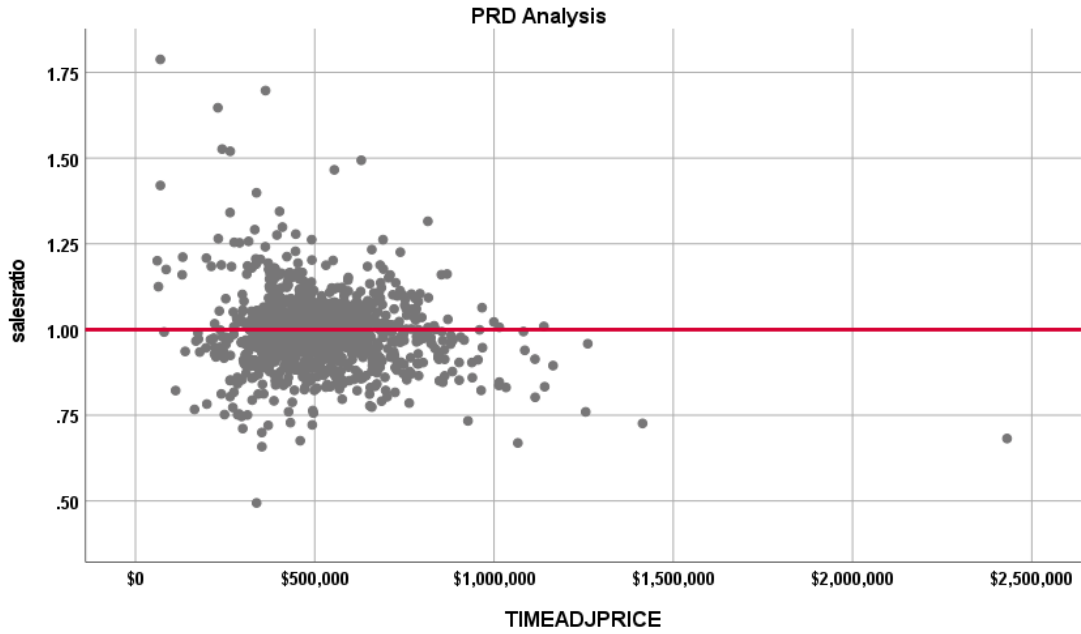
		Count	Percent
NBHD	0	23	6.0%
	640	15	3.9%
	985	31	8.1%
	1960	21	5.5%
	3090	16	4.2%
	3135	116	30.1%
	3510	24	6.2%
	3514	65	16.9%
	3516	28	7.3%
	3880	19	4.9%
	3938	27	7.0%
Overall		385	100.0%
Excluded		0	
Total		385	

**Ratio Statistics for CURRTOT / TASP**

Group	N	Median	Price Related Differential	Coefficient of Dispersion
0	23	.974	1.066	.144
640	15	.998	1.001	.056
985	31	.988	1.011	.096
1960	21	.964	.999	.092
3090	16	.982	1.005	.063
3135	116	.984	1.001	.066
3510	24	.994	1.005	.061
3514	65	1.000	1.003	.050
3516	28	.986	.999	.078
3880	19	.983	1.000	.059
3938	27	1.005	1.003	.061
<b>Overall</b>	<b>385</b>	<b>.986</b>	<b>1.008</b>	<b>.072</b>

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

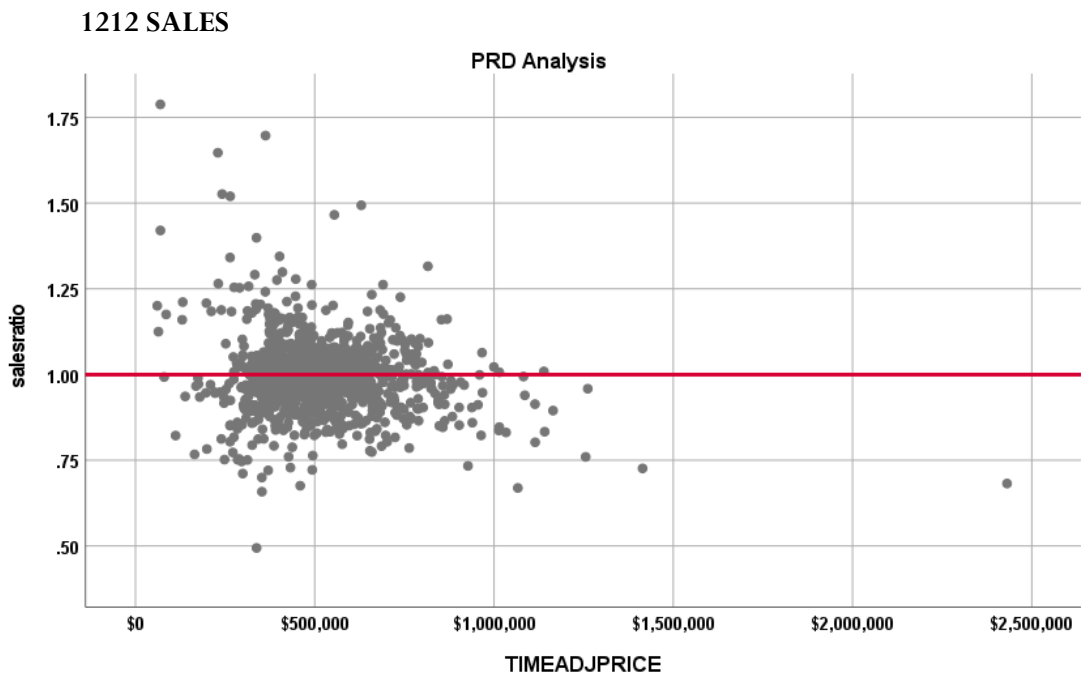




The above graphs indicate that the distribution of the sale ratios was within state mandated limits. No sales were trimmed.

### Subclass 1212 PRD Analysis

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



The Price-Related Differential (PRD) for 1212 sales is 1.007, 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<sup>a</sup>**

Model		Unstandardized Coefficients B	Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	.952	.011		89.041	.000
	CURRTOT	.0000000744	.000	.115	3.729	<.001

a. Dependent Variable: salesratio

The slope of the line at 0.0000000744 indicates that there is virtually no slope in the regression line, which indicates that sales ratios are similar across the entire sale price array. This indicates no regressivity or progressivity in the residential values assigned by the assessor.

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

**Case Processing Summary**

		Count	Percent
SPRec	LT \$400K	259	24.8%
	\$400K to \$600K	508	48.7%
	\$600K to \$800K	215	20.6%
	\$800K to \$1000K	46	4.4%
	\$1000K to \$3000K	16	1.5%
Overall		1044	100.0%
Excluded		0	
Total		1044	

**Ratio Statistics for CURRTOT / TASP**

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT \$400K	.986	1.005	.102	15.6%
\$400K to \$600K	.989	1.001	.066	8.9%
\$600K to \$800K	.984	1.000	.072	9.6%
\$800K to \$1000K	.964	1.001	.067	9.9%
\$1000K to \$3000K	.842	1.017	.106	13.3%
Overall	.985	1.007	.078	11.3%

The above table indicates no regressivity in the sales ratios across sale price categories.

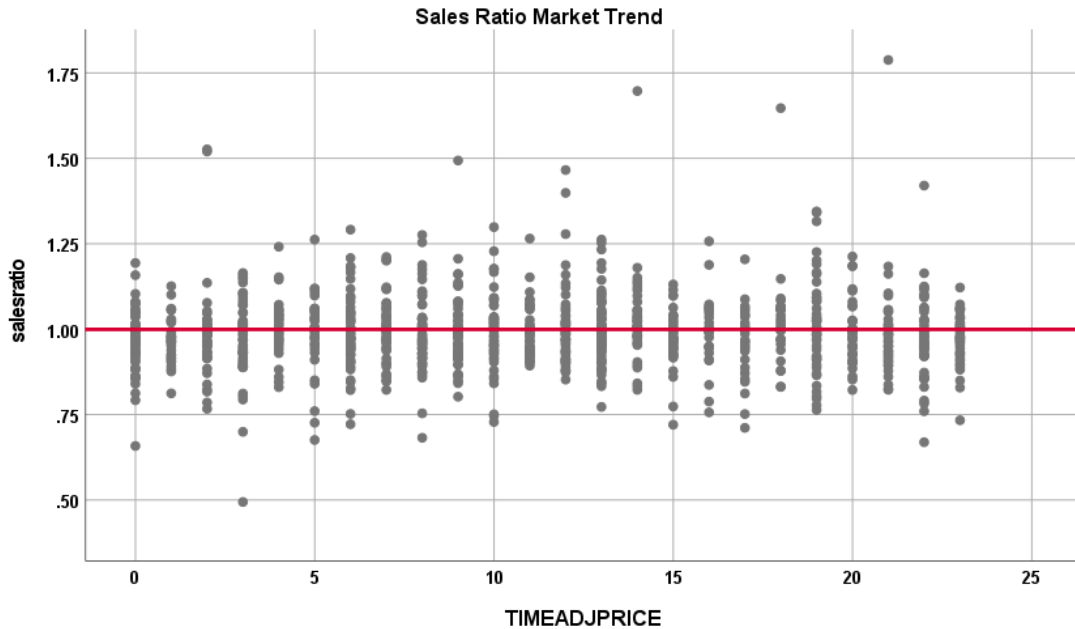
**Residential Market Trend Analysis**

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

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients B	Coefficients Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	.985	.007		150.840	.000
	SalePeriod	.000	.001	.027	.883	.377

a. Dependent Variable: salesratio



The above analysis indicated that the assessor has adequately addressed market trending in the valuation of residential properties.

### Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold residential properties, we compared the median change in actual value for valuation year 2018 and valuation year 2020 between each group, as follows:

Report			
DIFF			
DIFF	N	Median	Mean
UNSOLD	6582	1.07	1.08
SOLD	1013	1.08	1.11

We next performed this second test stratified by economic area, as follows:

Report				
DIFF				
ECONAREA	DIFF	N	Median	Mean
1.00	UNSOLD	484	1.09	1.11
	SOLD	51	1.15	1.18
2.00	UNSOLD	5977	1.07	1.08
	SOLD	939	1.08	1.10

Next, we performed this second test stratified by neighborhood (with at least 15 sales), as follows:

<b>Report</b>				
<b>DIFF</b>				
NBHD	sold	N	Median	Mean
640	UNSOLD	38	1.04	1.05
	SOLD	15	1.10	1.11
985	UNSOLD	186	1.06	1.08
	SOLD	31	1.05	1.08
1960	UNSOLD	65	1.14	1.13
	SOLD	21	1.17	1.15
3090	UNSOLD	65	1.08	1.08
	SOLD	16	1.07	1.08
3135	UNSOLD	16	1.50	1.31
	SOLD	106	.95	.98
3510	UNSOLD	95	1.08	1.09
	SOLD	22	1.09	1.10
3514	UNSOLD	57	.98	1.01
	SOLD	65	.98	.99
3880	UNSOLD	111	1.12	1.12
	SOLD	19	1.15	1.13
3938	UNSOLD	127	1.03	1.06
	SOLD	25	1.06	1.08

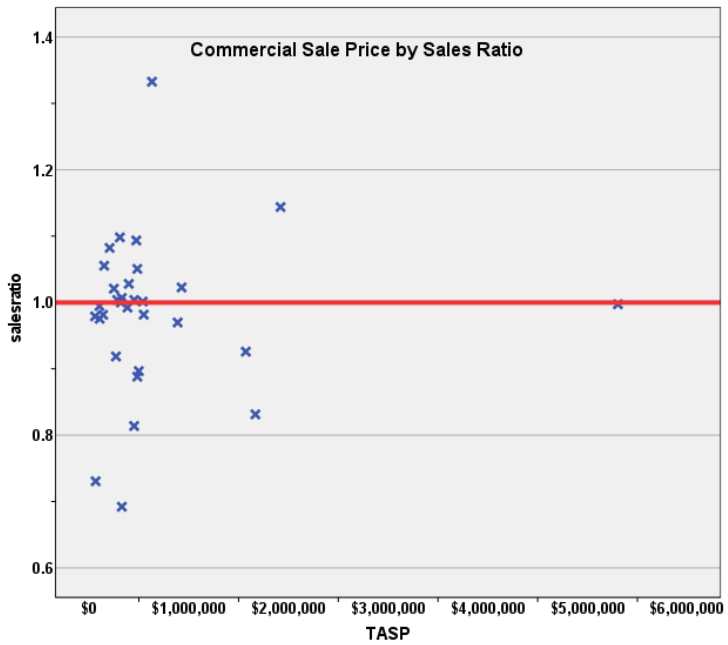
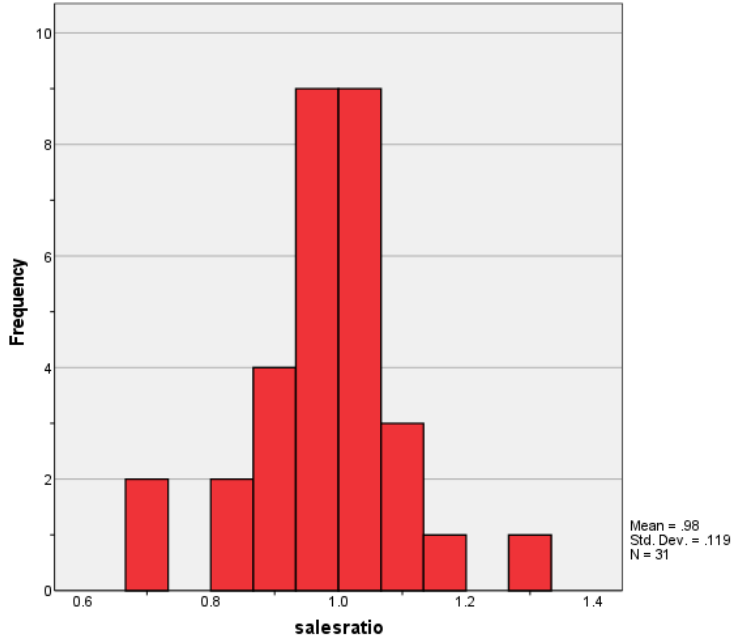
The above results indicate that sold and unsold residential properties were valued in a consistent manner overall.

#### IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

There were 27 qualified commercial sales for the 60 month sale period ending June 30, 2020. We augmented the sales with 4 supplemental appraisals of unsold commercial properties. The market trend analysis and sold/unsold analysis will use only the 27 sales, while the sales ratio analysis will use the 31 sales and supplemental appraised properties. The sales ratio analysis results were as follows:

Median	<b>0.997</b>
Price Related Differential	<b>0.991</b>
Coefficient of Dispersion	<b>7.7</b>

The above table indicates that the Elbert 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

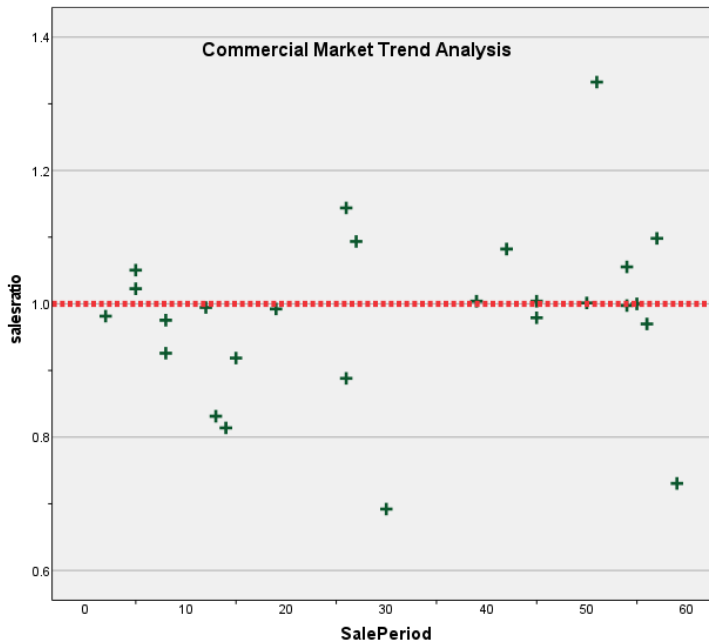
The commercial/industrial sales were next analyzed, examining the sales ratios across the 60-month sale period with the following results:



### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.947	.048		19.623	<.001
	SalePeriod	.001	.001	.180	.894	.380

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 Elbert County.

### Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold commercial/industrial properties, we compared the change in the median actual value for valuation year 2018 and valuation year 2020 between each group, as follows:

Report			
DIFF			
sold	N	Median	Mean
UNSOLD	218	1.01	1.04
SOLD	29	1.00	1.11

**Hypothesis Test Summary**

	Null Hypothesis	Test	Sig. <sup>a,b</sup>	Decision
1	The distribution of DIFF is the same across categories of sold.	Independent-Samples Mann-Whitney U Test	.757	Retain the null hypothesis.

a. The significance level is .001.

b. Asymptotic significance is displayed.

We also stratified this analysis by subclass, as follows:

**Report**

DIFF

ABSTRIMP	sold	N	Median	Mean
2212.00	UNSOLD	25	.97	1.04
	SOLD	10	.96	1.06
2230.00	UNSOLD	62	1.01	1.05
	SOLD	8	1.09	1.25

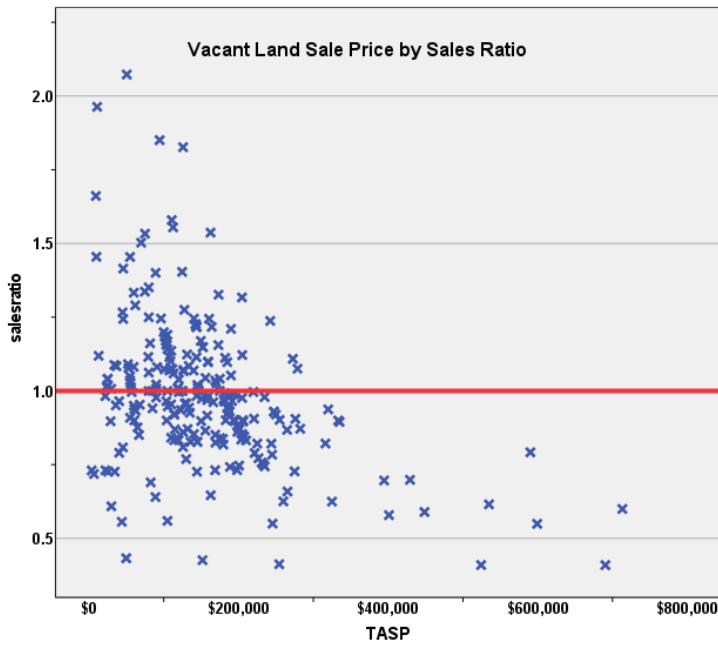
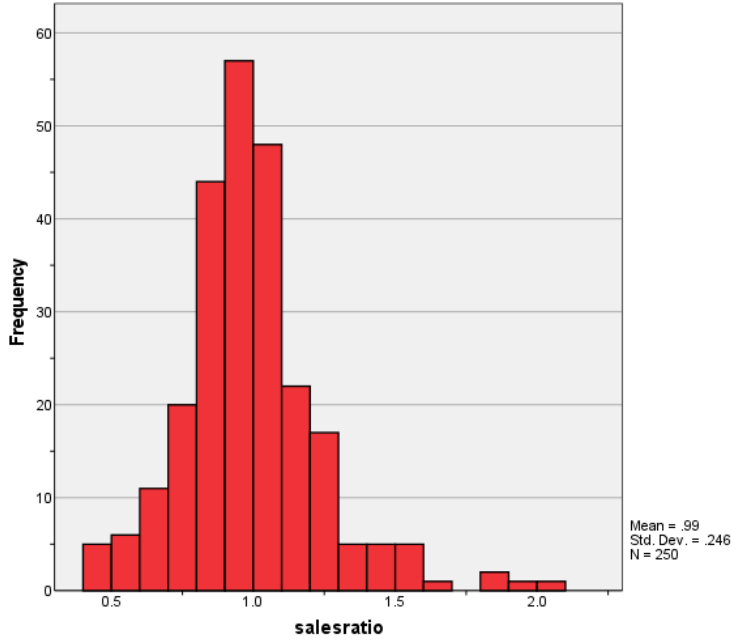
Based on the similar results in the overall analysis, we concluded that the assessor has valued sold and unsold commercial properties in a similar manner.

**V. VACANT LAND SALE RESULTS**

There were 250 qualified vacant land sales for the 48-month sale period ending June 30, 2020. The sales ratio analysis results were as follows:

Median	<b>0.965</b>
Price Related Differential	<b>1.079</b>
Coefficient of Dispersion	<b>18.0</b>

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



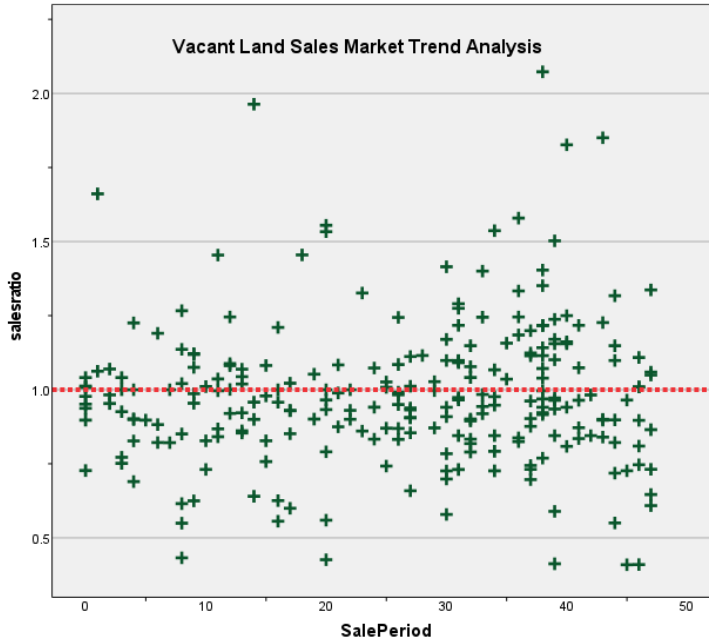
### Vacant Land Market Trend Analysis

The vacant land sales were analyzed, examining the sale ratios across the 48- month sale period with the following results:

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients B	Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	.957	.033		28.839	<.001
	SalePeriod	.001	.001	.062	.983	.326

a. Dependent Variable: salesratio



The results indicated that there was no significant market trending present in the sales ratios across the sale period. We concluded that the assessor has applied market trending adjustments in an appropriate manner.

**Sold/Unsold Analysis**

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

<b>Report</b>				
DIFF				
	N	Median	Mean	
UNSOLD	666	1.15	1.23	
SOLD	231	1.21	1.28	

We also stratified this analysis by subdivision (with at least 5 sales), as follows:

<b>Report</b>				
<b>DIFF</b>				
<b>SUBDIVNO</b>	<b>sold</b>	<b>N</b>	<b>Median</b>	<b>Mean</b>
31	UNSOLD	20	1.11	1.11
	SOLD	5	1.11	1.11
32	UNSOLD	18	1.11	1.11
	SOLD	9	1.11	1.11
162	UNSOLD	14	1.07	1.03
	SOLD	9	1.07	1.05
248	UNSOLD	7	1.20	1.20
	SOLD	6	1.20	1.20
356	UNSOLD	10	1.21	1.22
	SOLD	39	1.21	1.21
405	UNSOLD	13	1.92	1.71
	SOLD	10	1.92	1.92
437	UNSOLD	3	1.33	1.33
	SOLD	6	1.33	1.33
438	UNSOLD	4	1.48	1.48
	SOLD	10	1.48	1.48
439	UNSOLD	1	1.00	1.00
	SOLD	6	1.13	1.13
460	UNSOLD	12	1.39	1.32
	SOLD	5	1.39	1.39
487	UNSOLD	5	1.14	1.11
	SOLD	7	1.14	1.14

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

## **VI. CONCLUSIONS**

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

## STATISTICAL ABSTRACT

### Residential

Ratio Statistics for CURRTOT / TASP												
Mean	95% Confidence Interval for Mean		Median	95% Confidence Interval for Median			Weighted Mean	95% Confidence Interval for Weighted Mean		Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Mean Centered
	Lower Bound	Upper Bound		Lower Bound	Upper Bound	Actual Coverage		Lower Bound	Upper Bound			
.990	.983	.997	.984	.978	.990	95.1%	.983	.976	.990	1.007	.078	11.2%

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.

### Commercial/Industrial

Ratio Statistics for CURRTOT / TASP												
Mean	95% Confidence Interval for Mean		Median	95% Confidence Interval for Median			Weighted Mean	95% Confidence Interval for Weighted Mean		Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Mean Centered
	Lower Bound	Upper Bound		Lower Bound	Upper Bound	Actual Coverage		Lower Bound	Upper Bound			
.984	.941	1.028	.997	.976	1.021	97.1%	.993	.944	1.043	.991	.077	12.1%

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.

### Vacant Land

Ratio Statistics for CURRLND / TASP												
Mean	95% Confidence Interval for Mean		Median	95% Confidence Interval for Median			Weighted Mean	95% Confidence Interval for Weighted Mean		Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Mean Centered
	Lower Bound	Upper Bound		Lower Bound	Upper Bound	Actual Coverage		Lower Bound	Upper Bound			
.986	.955	1.016	.965	.941	.996	95.0%	.914	.874	.953	1.079	.180	24.9%

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

## Residential Sale Ratio Stratification

### Subclass

#### Case Processing Summary

		Count	Percent
ABSTRIMP	1212.00	1044	99.0%
	1215.00	2	0.2%
	1220.00	1	0.1%
	1230.00	8	0.8%
Overall		1055	100.0%
Excluded		0	
Total		1055	

#### Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
1212.00	.985	1.007	.078	11.3%
1215.00	.957	1.000	.022	3.2%
1220.00	.757	1.000	.000	.
1230.00	.976	1.000	.036	4.7%
Overall	.984	1.007	.078	11.3%

### Improvement Age

#### Case Processing Summary

		Count	Percent
AgeRec	Over 100	30	2.8%
	75 to 100	13	1.2%
	50 to 75	15	1.4%
	25 to 50	350	33.2%
	5 to 25	384	36.4%
	5 or Newer	263	24.9%
Overall		1055	100.0%
Excluded		0	
Total		1055	

#### Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
Over 100	.952	1.016	.129	17.2%
75 to 100	1.034	1.044	.189	25.4%
50 to 75	1.049	1.037	.163	25.2%
25 to 50	.989	1.008	.074	10.1%
5 to 25	.982	1.004	.076	11.5%
5 or Newer	.982	1.006	.065	8.6%
Overall	.984	1.007	.078	11.3%

## Improved Area

### Case Processing Summary

		Count	Percent
ImpSFRec	500 to 1,000 sf	3	0.3%
	1,000 to 1,500 sf	25	2.4%
	1,500 to 2,000 sf	95	9.0%
	2,000 to 3,000 sf	252	23.9%
	3,000 sf or Higher	680	64.5%
Overall		1055	100.0%
Excluded		0	
Total		1055	

### Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
500 to 1,000 sf	.773	.999	.043	7.4%
1,000 to 1,500 sf	.970	1.040	.135	19.3%
1,500 to 2,000 sf	.954	1.010	.068	11.9%
2,000 to 3,000 sf	.978	1.005	.078	11.3%
3,000 sf or Higher	.993	1.010	.075	10.7%
Overall	.984	1.007	.078	11.3%

## Improvement Quality

### Case Processing Summary

		Count	Percent
QUALITY		26	2.5%
	1 - LOW	6	0.6%
	2 - FAIR	96	9.1%
	3 - AVERAGE	883	83.7%
	4 - GOOD	44	4.2%
Overall		1055	100.0%
Excluded		0	
Total		1055	

### Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
	.980	1.055	.115	15.2%
1 - LOW	.946	.981	.151	19.7%
2 - FAIR	.980	1.020	.125	19.0%
3 - AVERAGE	.984	1.005	.071	10.0%
4 - GOOD	1.003	1.005	.069	9.4%
Overall	.984	1.007	.078	11.3%



## Improvement Condition

### Case Processing Summary

	Count	Percent
CONDITION	26	2.5%
1 - POOR	3	0.3%
2 - FAIR	23	2.2%
3 - AVERAGE	734	69.6%
4 - GOOD	269	25.5%
Overall	1055	100.0%
Excluded	0	
Total	1055	

### Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
	.980	1.055	.115	15.2%
1 - POOR	.967	.940	.132	19.9%
2 - FAIR	1.000	1.034	.191	28.1%
3 - AVERAGE	.987	1.002	.077	11.0%
4 - GOOD	.980	1.009	.066	8.6%
Overall	.984	1.007	.078	11.3%

## Commercial Sale Ratio Stratification

### Sale Price

### Case Processing Summary

	Count	Percent
SPreC		
\$50K to \$100K	2	6.5%
\$100K to \$150K	3	9.7%
\$150K to \$200K	1	3.2%
\$200K to \$300K	4	12.9%
\$300K to \$500K	12	38.7%
\$500K to \$750K	3	9.7%
\$750K to \$1,000K	2	6.5%
Over \$1,000K	4	12.9%
Overall	31	100.0%
Excluded	0	
Total	31	

### Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
\$50K to \$100K	.855	1.007	.145	20.5%
\$100K to \$150K	.982	1.000	.006	1.0%
\$150K to \$200K	1.055	1.000	.000	.
\$200K to \$300K	1.012	1.005	.045	6.7%
\$300K to \$500K	1.002	1.000	.083	12.6%
\$500K to \$750K	1.001	.990	.117	23.4%
\$750K to \$1,000K	.996	.999	.027	3.7%
Over \$1,000K	.962	.987	.100	13.8%
Overall	.997	.991	.077	12.0%

## Subclass

### Case Processing Summary

		Count	Percent
ABSTRIMP	1713.50	1	3.2%
	2212.00	11	35.5%
	2220.00	2	6.5%
	2221.00	1	3.2%
	2227.50	2	6.5%
	2230.00	8	25.8%
	2235.00	1	3.2%
	2236.67	1	3.2%
	3215.00	2	6.5%
	3220.00	1	3.2%
	3864.60	1	3.2%
Overall		31	100.0%
Excluded		0	
Total		31	

### Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
1713.50	1.004	1.000	.000	.
2212.00	.997	.988	.100	16.1%
2220.00	.998	1.001	.006	0.8%
2221.00	.831	1.000	.000	.
2227.50	.985	1.007	.015	2.2%
2230.00	.980	1.010	.048	6.8%
2235.00	.731	1.000	.000	.
2236.67	1.144	1.000	.000	.
3215.00	.997	1.024	.101	14.3%
3220.00	1.001	1.000	.000	.
3864.60	1.028	1.000	.000	.
Overall	.997	.991	.077	12.0%

## Improved Area

### Case Processing Summary

		Count	Percent
ImpSFRec	LE 500 sf	1	3.2%
	1,000 to 1,500 sf	2	6.5%
	1,500 to 2,000 sf	1	3.2%
	2,000 to 3,000 sf	7	22.6%
	3,000 sf or Higher	20	64.5%
Overall		31	100.0%
Excluded		0	
Total		31	

**Ratio Statistics for CURRTOT / TASP**

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LE 500 sf	.995	1.000	.000	.
1,000 to 1,500 sf	.853	.968	.144	20.3%
1,500 to 2,000 sf	1.055	1.000	.000	.
2,000 to 3,000 sf	.992	1.020	.071	13.2%
3,000 sf or Higher	1.001	.999	.076	11.4%
Overall	.997	.991	.077	12.0%

**Vacant Land Sales Ratio Stratification**

**Sale Price**

**Case Processing Summary**

		Count	Percent
SPRec	LT \$25K	12	4.8%
	\$25K to \$50K	16	6.4%
	\$50K to \$100K	40	16.0%
	\$100K to \$150K	69	27.6%
	\$150K to \$200K	57	22.8%
	\$200K to \$300K	41	16.4%
	\$300K to \$500K	9	3.6%
	\$500K to \$750K	6	2.4%
Overall		250	100.0%
Excluded		0	
Total		250	

**Ratio Statistics for CURRLND / TASP**

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
LT \$25K	1.030	1.036	.250	38.6%
\$25K to \$50K	.924	.993	.235	29.4%
\$50K to \$100K	1.043	1.000	.184	28.1%
\$100K to \$150K	1.021	1.001	.144	19.9%
\$150K to \$200K	.965	1.002	.121	17.5%
\$200K to \$300K	.854	1.003	.131	19.3%
\$300K to \$500K	.699	1.017	.169	21.6%
\$500K to \$750K	.575	1.002	.185	25.2%
Overall	.965	1.079	.180	25.6%

## Subclass

### Case Processing Summary

		Count	Percent
ABSTRLND	100.00	64	25.6%
	200.00	7	2.8%
	300.00	3	1.2%
	400.00	12	4.8%
	510.00	1	0.4%
	530.00	2	0.8%
	540.00	4	1.6%
	550.00	29	11.6%
	1112.00	115	46.0%
	1135.00	4	1.6%
	2112.00	1	0.4%
	2130.00	7	2.8%
	2135.00	1	0.4%
Overall		250	100.0%
Excluded		0	
Total		250	

### Ratio Statistics for CURRLND / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
100.00	.978	1.031	.188	25.6%
200.00	.810	1.116	.241	33.5%
300.00	.872	1.002	.013	2.2%
400.00	.977	1.038	.166	24.3%
510.00	1.964	1.000	.000	.
530.00	.924	1.020	.029	4.1%
540.00	.953	1.041	.089	12.5%
550.00	.989	1.071	.167	28.4%
1112.00	.965	1.063	.167	23.2%
1135.00	1.069	1.051	.127	21.4%
2112.00	.901	1.000	.000	.
2130.00	.600	1.131	.273	39.7%
2135.00	.731	1.000	.000	.
Overall	.965	1.079	.180	25.6%