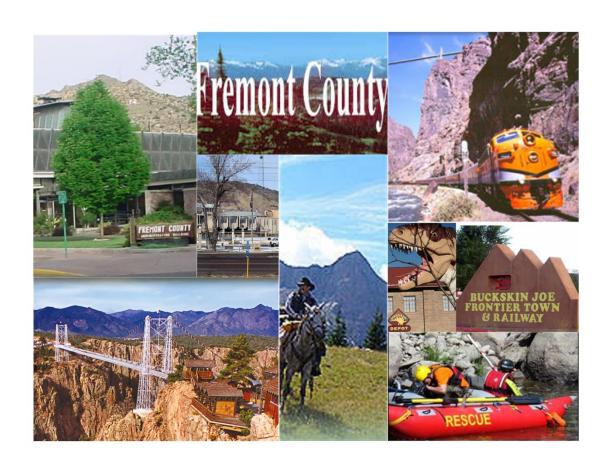


FREMONT COUNTY PROPERTY ASSESSMENT STUDY







September 15, 2019

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

RE: Final Report for the 2019 Colorado Property Assessment Study

Dear Ms. Mullis:

Wildrose Appraisal Inc.-Audit Division is pleased to submit the Final Reports for the 2019 Colorado Property Assessment Study.

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

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

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

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

Harry J. Fuller Project Manager

Harry J. Zulln

Wildrose Appraisal Inc. - Audit Division



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INTRODUCTION



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

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

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

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

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

The property assessment audit conducts a 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 subdivision and discounting procedures. Valuation methodology for vacant land, improved properties commercial residential and properties is examined. Procedures for producing mines, oil and gas leaseholds and lands producing, producing coal mines, producing earth and stone products, severed mineral interests and non-producing patented mining claims are also reviewed.

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

Wildrose Audit has completed the Property Assessment Study for 2019 and is pleased to report its findings for Fremont County in the following report.

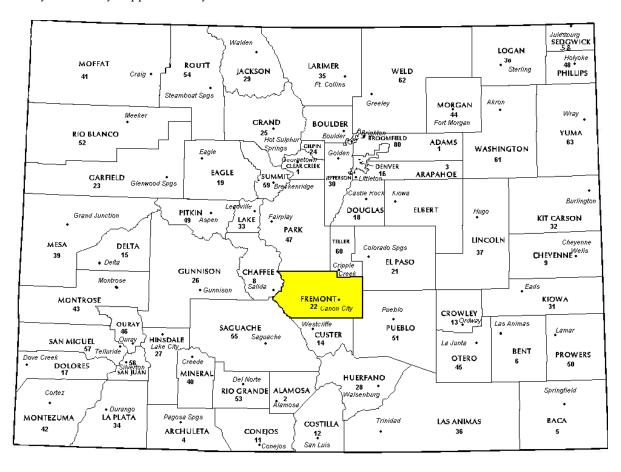


REGIONAL/HISTORICAL SKETCH OF FREMONT COUNTY

Regional Information

Fremont County is located in the Central Mountains region of Colorado. The Central Mountains Region is in the central portion of Colorado. It extends from the northern Gilpin county boundary approximately 210 miles

southeasterly to the southern boundary of Colorado, including Chaffee, Clear Creek, Custer, Fremont, Gilpin, Huerfano, Lake, Las Animas, Park, and Teller counties.





Historical Information

Fremont County had an estimated population of approximately 47,446 people with 30.9 people per square mile, according to the U.S. Census Bureau's 2016 estimated census data. This represents a 1.3 percent change from April 1, 2010 to July 1, 2016.

The County was established in 1861 and has 1,561 square miles in area. It was named for General John C. Fremont and was one of the original seventeen territorial counties. The county seat is Canon City, named for the nearby Grand Canyon of the Arkansas River.

The majestic Royal Gorge Canyon has been the focal point of Fremont County history since prehistoric times. For centuries Ute Indians knew its secrets as did later groups of Spanish Conquistadors. Lt. Zebulon Pike explored the canyon in the winter of 1806 by traveling up the frozen Arkansas River. The county is named for famed explorer, Captain John Fremont, who arrived in 1843. When Cañon City was incorporated in 1872, it was already a

bustling little town, even if it was only four blocks long.

The first Colorado Territory prison was built here in 1871, five years before Colorado became a state. Since that early time, Fremont County has been home to a large number of state and federal correction facilities. But corrections are only part of the local history. Natural resource extraction has also been important. As early as 1872 oil was selling from the Oil Creek area. Nearby, large coal reserves provided further impetus for the railroads to push a route through the Royal Gorge to reach the silver mines in Leadville. This legacy of rail travel into the depths of the Royal Gorge is still available today.

Fremont County's scenic canyons, hot springs and hospitable climate began attracting film makers as early as 1910 when cowboy star, Tom Mix starred in a silent film produced by the Selig Film Company. Over the intervening years, many films have been made here. (Wikipedia.org & fremontco.com)



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, 2017 through June 30, 2018. 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					
Unweighted Coef Property Class Median Ratio D					
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 Fremont County are:

Fremont County Ratio Grid						
Property Class	Number of Qualified Sales	Unweighted Median Ratio	Price Related Differential	Coefficient of Dispersion	Time Trend Analysis	
Commercial/Industrial	48	0.995	1.031	13.1	Compliant	
Condominium	N/A	N/A	N/A	N/A	N/A	
Single Family	1,204	0.989	1.010	8.1	Compliant	
Vacant Land	263	1.008	1.019	13.7	Compliant	

After applying the above described methodologies, it is concluded from the sales ratios that Fremont County is in compliance

with SBOE, DPT, and Colorado State Statute valuation guidelines.

Recommendations



TIME TRENDING VERIFICATION

Methodology

While we recommend that counties use the inverted ratio regression analysis method to account for market (time) trending, some counties have used other IAAO-approved methods, such as the weighted monthly median approach. We are not auditing the methods used, but rather the results of the methods used. Given this range of methodologies used to account for market trending, we concluded that the best validation method was to examine the sale ratios for each class across the appropriate sale period. To be specific, if a county has considered and adjusted correctly for market trending, then the sale ratios should remain stable (i.e. flat) across the sale period. If a residual market trend is detected, then the county may or may not have addressed market

trending adequately, and a further examination is warranted. This validation method also considers the number of sales and the length of the sale period. Counties with few sales across the sale period were carefully examined to determine if the statistical results were valid.

Conclusions

After verification and analysis, it has been determined that Fremont County has complied with the statutory requirements to analyze the effects of time on value in their county. Fremont County has also satisfactorily applied the results of their time trending analysis to arrive at the time adjusted sales price (TASP).

Recommendations



SOLD/UNSOLD ANALYSIS

Methodology

Fremont County was tested for the equal treatment of sold and unsold properties to ensure that "sales chasing" has not occurred. The auditors employed a multi-step process to determine if sold and unsold properties were valued in a consistent manner.

We test the hypothesis that the assessor has valued unsold properties consistent with what is observed with the sold properties based on several units of comparison and tests. units of comparison include the actual value per square foot and the change in value from the previous base year period to the current base year. The first test compares the actual value per square foot between sold and unsold properties by class. The median and mean value per square foot is compared and tested for any significant difference. This is tested using non-parametric methods, such as the Mann-Whitney test for differences in the distributions or medians between sold and unsold groups. It is also examined graphically and from an appraisal perspective. Data can be stratified based on location and subclass. The second test compares the difference in the median change in value from the previous base year to the current base year between sold and unsold properties by class. The same combination of non-parametric and appraisal testing is used as with the first test. A third test employing a valuation model testing a sold/unsold binary variable while controlling for property attributes such as location, size, age and other attributes. determines if the sold/unsold variable is statistically and empirically significant. three tests indicate a significant difference between sold and unsold properties for a given class, the Auditor may meet with the county to determine if sale chasing is actually occurring,

or if there are other explanations for the observed difference.

If the unsold properties have a higher median value per square foot than the sold properties, or if the median change in value is greater for the unsold properties than the sold properties, the analysis is stopped and the county is concluded to be in compliance with sold and unsold guidelines. All sold and unsold properties in a given class are first tested, although properties with extreme unit values or percent changes can be trimmed to stabilize the analysis. The median is the primary comparison metric, although the mean can also be used as a comparison metric if the distribution supports that type of measure of central tendency.

The first test (unit value method) is applied to both residential and commercial/industrial sold and unsold properties. The second test is applied to sold and unsold vacant land properties. The second test (change in value method) is also applied to residential or commercial sold and unsold properties if the first test results in a significant difference observed and/or tested between sold and unsold properties. The third test (valuation modeling) is used in instances where the results from the first two tests indicate a significant difference between sold and unsold properties. It can also be used when the number of sold and unsold properties is so large that the nonparametric testing is indicating a false rejection of the hypothesis that there is no difference between the sold and unsold property values.

These tests were supported by both tabular and graphics presentations, along with written documentation explaining the methodology used.



Sold/Unsold Re	sults
Property Class	Results
Commercial/Industrial	Compliant
Condominium	N/A
Single Family	Compliant
Vacant Land	Compliant

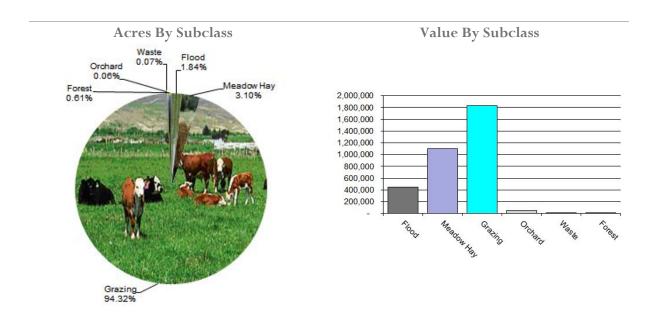
Conclusions

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

Recommendations



AGRICULTURAL LAND STUDY



Agricultural Land

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



Fremont County Agricultural Land Ratio Grid						
Abstract Code	Land Class	Number Of Acres	County Value Per Acre	County Assessed Fotal Value	WRA Total Value	Ratio
4117	Flood	5,438	82.90	450,824	478,658	0.94
4137	Meadow Hay	9,144	120.04	1,097,608	1,097,608	1.00
4147	Grazing	278,337	6.57	1,829,438	1,829,438	1.00
4157	Orchard	177	265.80	47,046	47,046	1.00
4177	Forest	1,800	2.39	4,294	4,294	1.00
4167	Waste	210	2.39	9,865	9,865	1.00
Total/Avg		295,106	11.65	3,439,076	3,466,910	0.99

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

Fremont County has substantially complied with the procedures provided by the Division

of Property Taxation for the valuation of agricultural outbuildings.

Recommendations



Agricultural Land Under Improvements

Methodology

Data was collected and reviewed to determine if the guidelines found in the Assessor's Reference Library (ARL) Volume 3, pages 5.19 and 5.20 were being followed.

Conclusions

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

- Field Inspections
- Personal Knowledge of Occupants at Assessment Date
- Aerial Photography/Pictometry

Fremont 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
- Field Inspections
- Personal Knowledge of Occupants at Assessment Date
- Aerial Photography/Pictometry

Fremont County has substantially complied with the procedures provided by the Division of Property Taxation for the valuation of land under residential improvements that may or may not be integral to an agricultural operation.

Recommendations



SALES VERIFICATION

According to Colorado Revised Statutes:

A representative body of sales is required when considering the market approach to appraisal.

(8) In any case in which sales prices of comparable properties within any class or subclass are utilized when considering the market approach to appraisal in the determination of actual value of any taxable property, the following limitations and conditions shall apply:

(a)(I) Use of the market approach shall require a representative body of sales, including sales by a lender or government, sufficient to set a pattern, and appraisals shall reflect due consideration of the degree of comparability of sales, including the extent of similarities and dissimilarities among properties that are compared for assessment purposes. In order to obtain a reasonable sample and to reduce sudden price changes or fluctuations, all sales shall be included in the sample that reasonably reflect a true or typical sales price during the period specified in section 39-1-104 (10.2). Sales of personal property exempt pursuant to the provisions of sections 39-3-102, 39-3-103, and 39-3-119 to 39-3-122 shall not be included in any such sample.

(b) Each such sale included in the sample shall be coded to indicate a typical, negotiated sale, as screened and verified by the assessor. (39-1-103, C.R.S.)

The assessor is required to use sales of real property only in the valuation process.

(8)(f) Such true and typical sales shall include only those sales which have been determined on an individual basis to reflect the selling price of the real property only or which have been adjusted on an individual basis to reflect the selling price of the real property only. (39-1-103, C.R.S.)

Part of the Property Assessment Study is the sales verification analysis. WRA has used the above-cited statutes as a guide in our study of the county's procedures and practices for verifying sales.

WRA reviewed the sales verification procedures in 2019 for Fremont County. This study was conducted by checking selected sales from the master sales list for the current valuation period. Specifically WRA selected 58 sales listed as unqualified.

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

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

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

When less than 50 percent of sales are qualified in any of the three property classes (residential, commercial, and vacant land), the contractor analyzed the reasons for disqualifying sales in any subclass that constitutes at least 20 percent of the class, either by number of properties or by value, from the prior year. The contractor has



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

If 50 percent or more of the sales are qualified, the contractor has reviewed a statistically significant sample of unqualified sales, excluding sales that were disqualified for obvious reasons.

The following subclasses were analyzed for Fremont County:

0100 Residential Lots

Conclusions

Fremont County appears to be doing a good job of verifying their sales. WRA agreed with the county's reason for disqualifying each of the sales selected in the sample. There are no recommendations or suggestions.

Recommendations



ECONOMIC AREA REVIEW AND EVALUATION

Methodology

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

adequately identified homogeneous economic areas comprised of smaller neighborhoods. Each economic area defined is equally subject to a set of economic forces that impact the value of the properties within that geographic area and this has been adequately addressed. Each economic area defined adequately delineates an area that will give "similar values for similar properties in similar areas."

Recommendations



NATURAL RESOURCES

Earth and Stone Products

Methodology

Under the guidelines of the Assessor's Reference Library (ARL), Volume 3, Natural Resource Valuation Procedures, the income approach was applied to determine value for production of earth and stone products. The number of tons was multiplied by an economic royalty rate determined by the Division of Property Taxation to determine income. The income was multiplied by a recommended Hoskold factor to determine the actual value. The Hoskold factor is determined by the life of the reserves or the lease. Value is based on two variables: life and tonnage. The operator determines these since there is no other means to obtain production data through any state or private agency.

Conclusions

The County has applied the correct formulas and state guidelines to earth and stone production.

Recommendations

None

Producing Oil and Gas

Methodology

Assessors Reference Library (ARL) Volume 3, Chapter 6: Valuation of Natural Resources

STATUTORY REFERENCES

Section § 39-1-103, C.R.S., specifies that producing oil or gas leaseholds and lands are valued according to article 7 of title 39, C.R.S.

Actual value determined - when.

(2) The valuation for assessment of leaseholds and lands producing oil or gas shall be determined as provided in article 7 of this title. § 39-1-103, C.R.S.

Article 7 covers the listing, valuation, and assessment of producing oil and gas leaseholds and lands.

Valuation:

Valuation for assessment.

- (1) Except as provided in subsection (2) of this section, on the basis of the information contained in such statement, the assessor shall value such oil and gas leaseholds and lands for assessment, as real property, at an amount equal to eighty-seven and one-half percent of:
- (a) The selling price of the oil or gas sold there from during the preceding calendar year, after excluding the selling price of all oil or gas delivered to the United States government or any agency thereof, the state of Colorado or any agency thereof, or any political subdivision of the state as royalty during the preceding calendar year;
- (b) The selling price of oil or gas sold in the same field area for oil or gas transported from the premises which is not sold during the preceding calendar year, after excluding the selling price of all oil or gas delivered to the United States government or any agency thereof, the state of Colorado or any agency thereof, or any political subdivision of the state as royalty during the preceding calendar year.

§ 39-7-102, C.R.S.

Conclusions

The county applied approved appraisal procedures in the valuation of oil and gas.

Recommendations



VACANT LAND

Subdivision Discounting

Subdivisions were reviewed in 2019 in Fremont County. The review showed that subdivisions were discounted pursuant to the Colorado Revised Statutes in Article 39-1-103 (14) and by applying the recommended methodology in ARL Vol 3, Chap 4. Subdivision Discounting in the intervening year can be accomplished by reducing the absorption period by one year.

Conclusions

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

Recommendations



POSSESSORY INTEREST PROPERTIES

Possessory Interest

Possessory interest property discovery and valuation is described in the Assessor's Reference Library (ARL) Volume 3 section 7 in accordance with the requirements of C.R.S. Chapter 39-1-103 (17)(a)(II)Possessory Interest is defined by the Property Tax Administrator's Publication ARL Volume 3, Chapter 7: A private property interest in government-owned property or the right to the occupancy and use of any benefit in government-owned property that has been under lease, permit, concession, contract, or other agreement.

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

Conclusions

Fremont County has implemented a discovery process to place possessory interest properties on the roll. They have also correctly and consistently applied the correct procedures and valuation methods in the valuation of possessory interest properties.

Recommendations



PERSONAL PROPERTY AUDIT

Fremont 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.

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

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

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

Fremont County submitted their personal property written audit plan and was current for the 2019 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
- Incomplete or inconsistent declarations
- Accounts with omitted property
- Businesses with no deletions or additions for 2 or more years
- Non-filing Accounts Best Information Available
- Accounts close to the \$7,700 actual value exemption status



Accounts protested with substantial disagreement

Conclusions

Fremont County has employed adequate discovery, classification, documentation,

valuation, and auditing procedures for their personal property assessment and is in statistical compliance with SBOE requirements.

Recommendations



WILDROSE AUDITOR STAFF

Harry J. Fuller, Audit Project Manager

Suzanne Howard, Audit Administrative Manager

Steve Kane, Audit Statistician

Carl W. Ross, Agricultural/Natural Resource Analyst

J. Andrew Rodriguez, Field Analyst



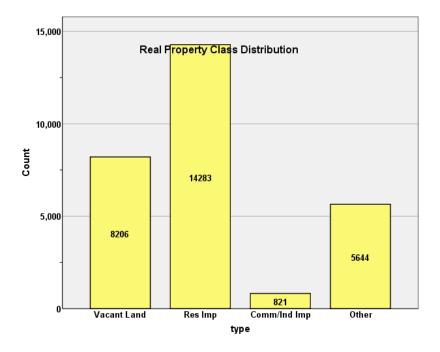
STATISTICAL APPENDIX



STATISTICAL COMPLIANCE REPORT FOR FREMONT COUNTY 2019

I. OVERVIEW

Fremont County is located in central Colorado. The county has a total of 28,954 property parcels, according to data submitted by the county assessor's office in 2019. 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 74.6% of all vacant land parcels.

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

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

Based on the Audit questionnaire filled out by the assessor (see below), the following geographic levels were used by the assessor to value residential, commercial and vacant land properties:



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

Codes

V=Valid Geographic Level – used for modeling

N = Not used as Geographic Level for modeling

Note: <u>If I have enough sales I start at the sub level, if not I move to the neighborhood level, if there are still not enough I move up to the economic area level.</u>

II. DATA FILES

The following sales analyses were based on the requirements of the 2019 Colorado Property Assessment Study. Information was provided by the Fremont Assessor's Office in June 2019. The data included all 5 property record files as specified by the Auditor.

III. RESIDENTIAL SALES RESULTS

There were 1,204 qualified residential sales for the 18 month sale period ending June 30, 2018. The sales ratio analysis was as follows:

Median	0.989
Price Related Differential	1.010
Coefficient of Dispersion	8.1

We also stratified this analysis by neighborhoods with at least 10 sales, as follows:

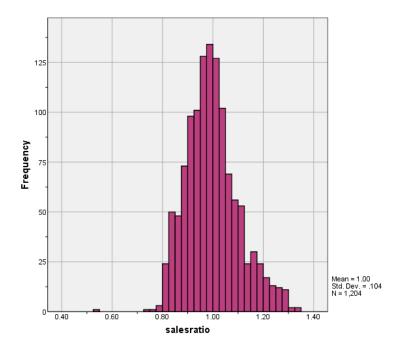
Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of
Group	Median	Differential	Dispersion
11010	.994	1.014	.097
11020	.992	.999	.078
11060	.979	.999	.065
11065	1.027	1.002	.072
11070	.993	1.017	.096
11075	1.010	1.005	.052
11090	.993	1.004	.034
11100	.998	1.009	.074
11145	1.052	1.002	.037
11160	.986	1.004	.058
11170	.996	1.010	.063
11180	.983	1.021	.092
11185	.983	1.005	.099
11195	.998	1.004	.056
11195	.987	1.001	.045



21010	.989	1.014	.086
21020	.976	1.008	.073
25080	.955	1.020	.084
26050	.975	.998	.087
27050	.994	.998	.059
29512	.997	1.030	.080
31010	.990	1.032	.123
31030	.959	1.014	.077
31100	1.006	.998	.045
42672	.946	1.014	.116
44662	.991	.992	.063
44675	.979	1.000	.078
44680	.988	1.007	.079
Overall	.990	1.010	.081

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.

Residential Market Trend Analysis

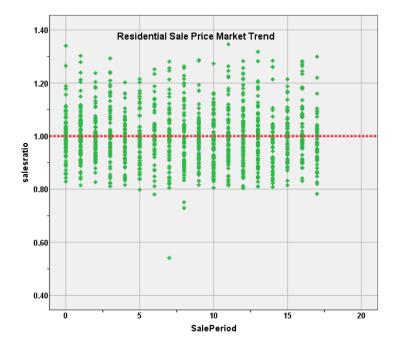
We next analyzed the residential dataset using the 18-month sale period for any residual market trending, with the following results:

Coefficients^a

		Unstandardized	Coefficients	Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	1.001	.006		176.877	.000
	SalePeriod	.000	.001	019	675	.500

a. Dependent Variable: salesratio





There was no statistically significant market trend in the above residential sales ratios; we therefore concluded that the assessor has adequately addressed market trending in the valuation of residential properties.

Sold/Unsold Analysis

In terms of the valuation consistency between sold and unsold residential properties, we compared the median change in value between taxable years 2018 and 2019 for sold and unsold properties, as follows:

Report DIFF			
sold	N	Median	Mean
UNSOLD	12994	1.18	1.19
SOLD	1196	1.20	1.23

We also stratified this analysis for neighborhoods with at least 10 sales, as follows:

Report DIFF				
NBHD	sold	N	Median	Mean
11010	UNSOLD	1352	1.24	1.23
	SOLD	171	1.24	1.26
11020	UNSOLD	409	1.18	1.17
	SOLD	48	1.18	1.19
11060	UNSOLD	474	1.19	1.18
	SOLD	63	1.19	1.20
11065	UNSOLD	176	1.20	1.20
	SOLD	17	1.22	1.24
11070	UNSOLD	501	1.17	1.17



11075		001.0	40	4.47	4.00
SOLD 35 1.31 1.28	44075	SOLD	49	1.17	1.22
11090	11075				
SOLD					-
11100	11090				
SOLD			_		
11160	11100				
SOLD 33 1.12 1.12				1.16	1.19
11170	11160		207		
SOLD 16 1.19 1.23		SOLD	33	1.12	1.12
11180 UNSOLD 1058 1.17 1.17 SOLD 86 1.17 1.17 1.17 1.18 UNSOLD 622 1.20 1.21 SOLD 55 1.22 1.28 1.19 UNSOLD 190 1.13 1.14 SOLD 16 1.15 1.15 1.15 1.19 UNSOLD 406 1.12 1.13 SOLD 38 1.14 1.19 1.19 1.18 SOLD 78 1.29 1.34 1.19 1.18 SOLD 19 1.21 1.29 1.34 1.19 1.18 SOLD 19 1.21 1.29 1.18 SOLD 15 1.15 1.15 1.20 1.25 SOLD 15 1.15 1.20 1.25 SOLD 15 1.15 1.20 1.25 SOLD 15 1.15 1.20 1.25 SOLD 19 1.26 1.30 1.30 1.33 1.33 1.33 SOLD 19 1.26 1.30 1.32 1.31 1.32 1.30 1.30 UNSOLD 249 1.33 1.31 1.32 1.30 1.30 1.30 UNSOLD 249 1.33 1.31 1.32 1.30 1.30 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 1.10 1.20 SOLD 16 1.23 1.19 1.20 SOLD 39 1.21 1.20 1.20 SOLD 39 1.21 1.20 1.20 SOLD 25 1.15 1.20 SOLD 25 1.15 1.20 SOLD 2602 1.15 1.20 SOLD 17 1.18 1.19 1.20 SOLD 18 1.19 1.20 SOLD 19 1.19 1.10 1.20 SOLD 11 1.11 1.11 1.11 1.11 1.11 1.11 1.11	11170	UNSOLD	180	1.19	1.20
SOLD 86 1.17 1.17 11185 UNSOLD 622 1.20 1.21 SOLD 55 1.22 1.28 11195 UNSOLD 190 1.13 1.14 SOLD 16 1.15 1.15 11195 UNSOLD 406 1.12 1.13 SOLD 38 1.14 1.19 21010 UNSOLD 819 1.26 1.25 SOLD 78 1.29 1.34 21020 UNSOLD 224 1.19 1.18 SOLD 19 1.21 1.29 25080 UNSOLD 171 1.18 1.17 SOLD 15 1.15 1.20 26050 UNSOLD 456 1.25 1.25 SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD </td <td></td> <td>SOLD</td> <td>16</td> <td>1.19</td> <td>1.23</td>		SOLD	16	1.19	1.23
11185	11180	UNSOLD	1058	1.17	1.17
SOLD 55 1.22 1.28		SOLD	86	1.17	1.17
11195	11185	UNSOLD	622	1.20	1.21
SOLD 16		SOLD	55	1.22	1.28
11195	11195	UNSOLD	190	1.13	1.14
SOLD 38 1.14 1.19 21010 UNSOLD 819 1.26 1.25 SOLD 78 1.29 1.34 21020 UNSOLD 224 1.19 1.18 SOLD 19 1.21 1.29 25080 UNSOLD 171 1.18 1.17 SOLD 15 1.15 1.20 26050 UNSOLD 456 1.25 1.25 SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 31010 UNSOLD 249 1.33 1.31 31030 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31100 UNSOLD 251 1.15 1.20 31100 UNSOLD 281 1.15 1.24		SOLD	16	1.15	1.15
21010 UNSOLD 819 1.26 1.25 SOLD 78 1.29 1.34 21020 UNSOLD 224 1.19 1.18 SOLD 19 1.21 1.29 25080 UNSOLD 171 1.18 1.17 SOLD 15 1.15 1.20 26050 UNSOLD 456 1.25 1.25 SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 31010 UNSOLD 249 1.33 1.31 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 31100 UNSOLD 281 1.15 1.24 42672 UNSOLD 608 1.14	11195	UNSOLD	406	1.12	1.13
SOLD 78 1.29 1.34 21020 UNSOLD 224 1.19 1.18 SOLD 19 1.21 1.29 25080 UNSOLD 171 1.18 1.17 SOLD 15 1.15 1.20 26050 UNSOLD 456 1.25 1.25 SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 31100 UNSOLD 281 1.15 1.20 31100 UNSOLD 281 1.15 1.24 42672 UNSOLD 608 1.14 1.14		SOLD	38	1.14	1.19
21020	21010	UNSOLD	819	1.26	1.25
SOLD 19 1.21 1.29 25080 UNSOLD 171 1.18 1.17 SOLD 15 1.15 1.20 26050 UNSOLD 456 1.25 1.25 SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 31100 UNSOLD 281 1.15 1.20 31100 UNSOLD 281 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28		SOLD	78	1.29	1.34
25080 UNSOLD 171 1.18 1.17 SOLD 15 1.15 1.20 26050 UNSOLD 456 1.25 1.25 SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.24 42672 UNSOLD 281 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 12 1.33 1.38 44662 UNSOLD 280 1.27 1.28	21020	UNSOLD	224	1.19	1.18
SOLD 15 1.15 1.20 26050 UNSOLD 456 1.25 1.25 SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 159 1.30 1.33 SOLD 11			19	1.21	1.29
26050 UNSOLD 456 1.25 1.25 SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD<	25080	UNSOLD	171	1.18	1.17
SOLD 29 1.26 1.30 27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD </td <td></td> <td>SOLD</td> <td>15</td> <td>1.15</td> <td>1.20</td>		SOLD	15	1.15	1.20
27050 UNSOLD 96 1.12 1.12 SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15	26050	UNSOLD	456	1.25	1.25
SOLD 10 1.19 1.16 29512 UNSOLD 249 1.33 1.33 SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15		SOLD	29		1.30
29512 UNSOLD 249 1.33 1.33 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 31100 UNSOLD 281 1.15 1.20 31100 UNSOLD 281 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15	27050	UNSOLD	96	1.12	1.12
SOLD 13 1.31 1.32 31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15		SOLD	10	1.19	1.16
31010 UNSOLD 200 1.22 1.22 SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15	29512	UNSOLD	249	1.33	1.33
SOLD 16 1.23 1.19 31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15		SOLD	13	1.31	1.32
31030 UNSOLD 515 1.19 1.20 SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15	31010	UNSOLD	200	1.22	1.22
SOLD 39 1.21 1.20 31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15		SOLD	16	1.23	1.19
31100 UNSOLD 281 1.15 1.20 SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15	31030	UNSOLD	515	1.19	1.20
SOLD 25 1.15 1.24 42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15		SOLD	39	1.21	1.20
42672 UNSOLD 608 1.14 1.14 SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15	31100	UNSOLD	281	1.15	1.20
SOLD 51 1.18 1.19 44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15		SOLD	25	1.15	1.24
44662 UNSOLD 280 1.27 1.28 SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15	42672	UNSOLD	608	1.14	1.14
SOLD 12 1.33 1.38 44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15		SOLD	51	1.18	1.19
44675 UNSOLD 159 1.30 1.33 SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15	44662	UNSOLD	280	1.27	1.28
SOLD 11 1.31 1.37 44680 UNSOLD 542 1.14 1.15		SOLD	12	1.33	1.38
44680 UNSOLD 542 1.14 1.15	44675	UNSOLD	159	1.30	1.33
		SOLD	11	1.31	1.37
SOLD 33 1.17 1.21	44680	UNSOLD	542	1.14	1.15
		SOLD	33	1.17	1.21

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

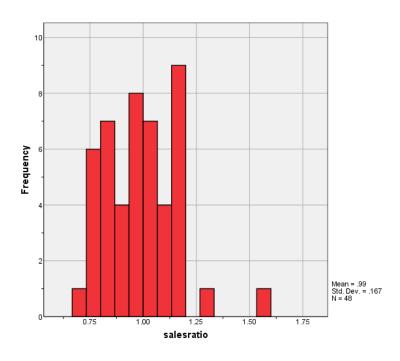
IV. COMMERCIAL/INDUSTRIAL SALE RESULTS

There were 48 qualified commercial and industrial sales for the 18 month sale period ending June 30, 2018. The sales ratio analysis was as follows:



Median	0.995
Price Related Differential	1.031
Coefficient of Dispersion	13.1

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







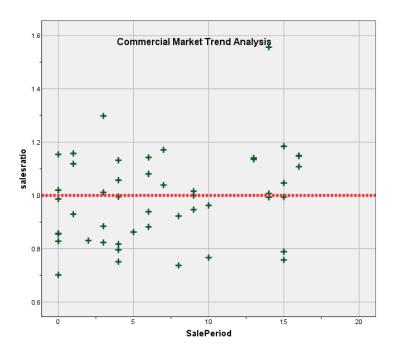
Commercial Market Trend Analysis

The commercial/industrial sales were next analyzed, examining the sale ratios across the 18-month sale period with the following results:

Coefficients^a

		Unstandardized		Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.932	.038		24.219	.000
	SalePeriod	.008	.004	.266	1.871	.068

a. Dependent Variable: salesratio



The market trend results indicated no statistically significant trend, especially when considering the low number of sales.

Sold/Unsold Analysis

We compared the median change in actual value between taxable years 2018 and 2019 for commercial and industrial properties to determine if sold and unsold properties were valued consistently, as follows:

|--|

DIFF			
sold	N	Median	Mean
UNSOLD	771	1.00	1.10
SOLD	48	1.09	1.19



Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the sam across categories of sold.	Independent- Samples Mann- Whitney U Test	.001	Reject the null hypothesis.

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

Report DIFF				
ABSTRIMP	sold	N	Median	Mean
2212.00	UNSOLD	205	1.00	1.09
	SOLD	16	1.04	1.14
2220.00	UNSOLD	127	1.00	1.05
	SOLD	8	1.11	1.20
2230.00	UNSOLD	169	1.00	1.06
	SOLD	10	1.01	1.15
2235.00	UNSOLD	94	1.00	1.15
	SOLD	7	1.05	1.18
3215.00	UNSOLD	32	1.03	1.07
	SOLD	3	1.14	1.26

Based on these results, we concluded that the Fremont County Assessor has valued sold and unsold commercial properties consistently.

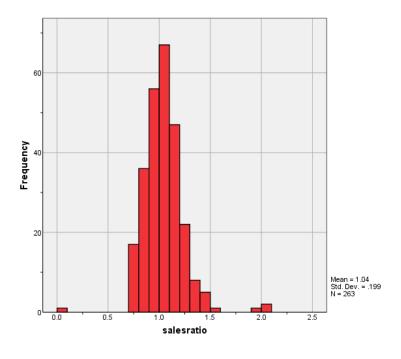
V. VACANT LAND SALE RESULTS

There were 263 qualified vacant land sales for the 18 month sale period ending June 30, 2018. The sales ratio analysis was as follows:

Median	1.008
Price Related Differential	1.019
Coefficient of Dispersion	13.7

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







Vacant Land Market Trend Analysis

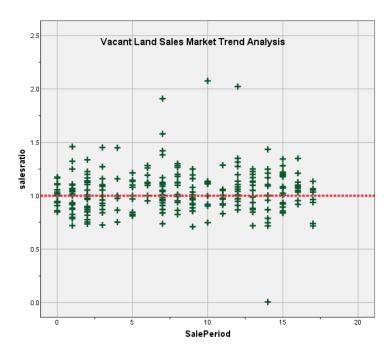
The vacant land sales were next analyzed, examining the sale ratios across the 18 month sale period with the following results:



Coefficients^a

		Unstandardized		Standardized Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	1.021	.022		45.595	.000
	SalePeriod	.002	.002	.055	.884	.378

a. Dependent Variable: salesratio



The market trend results indicated no statistically significant trend. We concluded that the assessor adequately considered market trending in the vacant land sale data.

Sold/Unsold Analysis

We compared the median change in actual value between taxable years 2018 and 2019 for vacant land properties to determine if sold and unsold properties were valued consistently, as follows:

Report DIFF			
sold	N	Median	Mean
UNSOLD	7865	1.00	1.10
SOLD	254	1.05	1.10



Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of DIFF is the san across categories of sold.	Independent- Samples Mann- Whitney U Test	.100	Retain the null hypothesis.

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

We next analyzed sold and unsold vacant land properties by neighborhoods with at least 5 sales, as follows:

Report DIFF				
SUBDIVNO	sold	N	Median	Mean
114	UNSOLD	107	.90	.99
	SOLD	6	.83	.95
235	UNSOLD	1623	1.12	1.11
	SOLD	50	1.12	1.05
240	UNSOLD	134	1.07	1.22
	SOLD	6	1.00	1.16
625	UNSOLD	111	1.48	1.44
	SOLD	11	1.48	1.31
629	UNSOLD	58	1.48	1.48
	SOLD	7	1.48	1.37
802	UNSOLD	50	1.06	1.02
	SOLD	7	1.00	.98
806	UNSOLD	92	1.00	1.00
	SOLD	6	1.00	.88
9000	UNSOLD	687	1.00	1.08
	SOLD	24	1.00	1.09

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

V. CONCLUSIONS

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



STATISTICAL ABSTRACT Residential

Ratio Statistics for CURRTOT / TASP

	95% Confiden Me	ce Interval for an		95% Cor	nfidence Interval fo	or Median		95% Confiden Weighte	ice Interval for ed Mean			Coefficient of Variation
Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion	Mean Centered
.998	.992	1.003	.989	.983	.995	95.3%	.988	.982	.994	1.010	.081	10.4%

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

Commercial/Industrial

Ratio Statistics for CURRTOT / TASP

		nce Interval for ean		95% Cor	nfidence Interval fo	r Median		95% Confider Weighte	ice Interval for ed Mean			Coefficient of Variation
Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion	Mean Centered
.989	.941	1.038	.995	.923	1.047	97.1%	.959	.904	1.014	1.031	.131	16.9%

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.

Vacant Land

Ratio Statistics for CURRLND / TASP

	95% Confiden Me	ice Interval for an		95% Cor	nfidence Interval fo	or Median		95% Confiden Weighte	ice Interval for ed Mean			Coefficient of Variation
Mean	Lower Bound	Upper Bound	Median	Lower Bound	Upper Bound	Actual Coverage	Weighted Mean	Lower Bound	Upper Bound	Price Related Differential	Coefficient of Dispersion	Mean Centered
1.037	1.013	1.061	1.008	1.000	1.050	95.2%	1.018	.982	1.053	1.019	.137	19.2%

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

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	1	0.1%
	\$25K to \$50K	6	0.5%
	\$50K to \$100K	72	6.0%
	\$100K to \$150K	286	23.8%
	\$150K to \$200K	346	28.7%
	\$200K to \$300K	347	28.8%
	\$300K to \$500K	140	11.6%
	\$500K to \$750K	5	0.4%
	Over \$1,000K	1	0.1%
Overall		1204	100.0%
Excluded		0	
Total		1204	

Ratio Statistics for CURRTOT / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
LT \$25K	1.165	1.000	.000	
\$25K to \$50K	1.143	1.006	.071	9.1%
\$50K to \$100K	1.096	1.004	.082	10.4%
\$100K to \$150K	.995	1.002	.100	12.4%
\$150K to \$200K	.985	1.000	.080	9.9%
\$200K to \$300K	.980	1.001	.065	8.5%
\$300K to \$500K	.985	1.000	.052	6.8%
\$500K to \$750K	1.006	1.006	.118	23.5%
Over \$1,000K	1.179	1.000	.000	
Overall	.989	1.010	.081	10.6%

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	1212.00	1174	97.5%
	1215.00	14	1.2%
	1220.00	6	0.5%
	1225.00	1	0.1%
	1230.00	9	0.7%
Overall		1204	100.0%
Excluded		0	
Total		1204	



Ratio Statistics for CURRTOT / TASP

Group	Median	Price Related Differential	Coefficient of Dispersion	Coefficient of Variation Median Centered
1212.00	.990	1.009	.080	10.4%
1215.00	.863	1.041	.140	20.9%
1220.00	.915	1.001	.050	7.2%
1225.00	.541	1.000	.000	
1230.00	.967	1.007	.062	8.7%
Overall	.989	1.010	.081	10.6%

Commercial Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	\$50K to \$100K	6	12.5%
	\$100K to \$150K	5	10.4%
	\$150K to \$200K	15	31.3%
	\$200K to \$300K	12	25.0%
	\$300K to \$500K	6	12.5%
	\$500K to \$750K	1	2.1%
	Over \$1,000K	3	6.3%
Overall		48	100.0%
Excluded		0	
Total		48	

Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
\$50K to \$100K	1.037	.980	.174	20.5%
\$100K to \$150K	1.012	.991	.081	12.0%
\$150K to \$200K	1.000	1.003	.112	14.0%
\$200K to \$300K	.938	1.010	.169	24.1%
\$300K to \$500K	1.080	1.012	.099	12.9%
\$500K to \$750K	1.057	1.000	.000	
Over \$1,000K	.858	.991	.082	12.3%
Overall	.995	1.031	.131	16.8%

Subclass

Case Processing Summary

		Count	Percent
ABSTRIMP	.00	1	2.1%
	2212.00	16	33.3%
	2215.00	1	2.1%
	2217.50	1	2.1%
	2218.00	1	2.1%
	2220.00	8	16.7%
	2230.00	10	20.8%



	2235.00	7	14.6%
	3215.00	3	6.3%
Overall		48	100.0%
Excluded		0	
Total		48	

Ratio Statistics for CURRTOT / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
.00	1.298	1.000	.000	
2212.00	1.029	1.040	.127	16.4%
2215.00	1.039	1.000	.000	
2217.50	1.556	1.000	.000	
2218.00	.963	1.000	.000	
2220.00	.967	1.015	.108	14.0%
2230.00	.967	.993	.108	13.2%
2235.00	.858	1.022	.126	19.0%
3215.00	.993	1.012	.076	12.2%
Overall	.995	1.031	.131	16.8%

Vacant Land Median Ratio Stratification

Sale Price

Case Processing Summary

		Count	Percent
SPRec	LT \$25K	166	63.1%
	\$25K to \$50K	60	22.8%
	\$50K to \$100K	30	11.4%
	\$100K to \$150K	4	1.5%
	\$200K to \$300K	2	0.8%
	\$500K to \$750K	1	0.4%
Overall		263	100.0%
Excluded		0	
Total		263	

Ratio Statistics for CURRLND / TASP

		Price Related	Coefficient of	Coefficient of Variation
Group	Median	Differential	Dispersion	Median Centered
LT \$25K	1.050	1.010	.129	15.9%
\$25K to \$50K	.999	.989	.109	18.5%
\$50K to \$100K	1.000	1.026	.207	35.8%
\$100K to \$150K	.990	.996	.070	10.3%
\$200K to \$300K	.998	.999	.005	0.7%
\$500K to \$750K	.976	1.000	.000	
Overall	1.008	1.019	.137	20.0%



Subclass

Case Processing Summary

		Count	Percent
ABSTRLND	100.00	198	75.3%
	200.00	2	0.8%
	300.00	1	0.4%
	350.00	6	2.3%
	433.33	1	0.4%
	520.00	2	0.8%
	530.00	1	0.4%
	540.00	2	0.8%
	550.00	16	6.1%
	560.00	1	0.4%
	575.00	1	0.4%
	587.50	1	0.4%
	1112.00	23	8.7%
	1135.00	7	2.7%
	4147.00	1	0.4%
Overall		263	100.0%
Excluded		0	
Total		263	

Ratio Statistics for CURRLND / TASP

				Coefficient of
		Price Related	Coefficient of	Variation
Group	Median	Differential	Dispersion	Median Centered
100.00	1.034	1.027	.122	15.2%
200.00	.973	.997	.003	0.5%
300.00	.857	1.000	.000	
350.00	1.585	.944	.255	28.2%
433.33	1.579	1.000	.000	
520.00	1.154	.991	.127	17.9%
530.00	1.065	1.000	.000	
540.00	1.054	1.091	.139	19.6%
550.00	1.000	1.002	.079	11.5%
560.00	1.114	1.000	.000	
575.00	.988	1.000	.000	
587.50	1.349	1.000	.000	
1112.00	1.000	.997	.110	15.7%
1135.00	.938	.988	.127	19.6%
4147.00	.005	1.000	.000	
Overall	1.008	1.019	.137	20.0%