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April 17, 2020

TO: County assessors and other users of Idaho Ratio Study information

- FROM: Alan S. Dornfest Property Tax Policy Bureau Chief
- RE: 2019 Ratio Study

This ratio study was completed in March, 2020, and generally used sales which occurred between October 1, 2018 and September 30, 2019, to test 2019 assessments. In cases where there were limited samples, this time frame was expanded to include sales occurring several months on either side of the initial date parameters.

The 2019 study represents the twelfth study completed using the procedures authorized under the provisions of property tax rule 131. Under these provisions, a maximum of only five primary categories are subject to initial testing. As was done previously, assessment level is tested with 90% confidence intervals. However, county reports contain a notation indicating any categories which would have failed to meet assessment level requirements using 80% confidence intervals. Categories failing tests based on 90% confidence intervals are subject to state equalization in 2020, unless 2020 assessed values indicate acceptable level after completion of follow-up ratio studies. If 90% confidence intervals overlap acceptable ranges, categories not meeting assessment level standards based only on 80% confidence intervals will not be subject to state equalization until this test is failed in three ratio studies. Nine categories in seven counties did not meet the 80% confidence interval requirements. However, none of these had unacceptable 80% confidence intervals for three years. More complete procedural information is found in the current Idaho Ratio Study Manual.

The 2019 ratio study shows 19 primary categories in 17 counties that did not meet assessment level standards using 90% confidence intervals. In the 2018 study, there had been 24 non-complying categories in nineteen counties. Prior to state board of equalization recommendations, follow-up studies will be done to test 2020 assessments in the categories that did not meet assessment level standards. Counties will receive notification of compliance status following completion of this year's assessments and finalization of assessments by the county board of equalization.

In 2019, 24.5% of all categories tested failed general uniformity standards based on the COD, while 55.1% failed vertical equity (price-related differential) standards. In addition, 2.0% of all categories failed to meet IAAO standards using the newer PRB (price-related bias) statistic. The

number failing to meet general uniformity standards based on the COD and vertical equity standards based on the PRD and PRB was less than that noted in the 2018 study.

The number of categories studied this year (148) was slightly lower than the number analyzed in 2018. At least one primary category was studied in each county. Total sales volume was down 3.1% from the peak in 2018.

Analysis:

Statewide overall median levels of assessment were similar in 2018 and 2019. Uniformity statistics improved in all categories except vacant residential, in comparison to 2018. Results are skewed somewhat by results in large counties where sales volume has been high. Non compliance with assessment level standards remained widespread, but occurred in fewer counties overall than in 2018.

Time adjustments were considered in each category and used when appropriate in the 2019 ratio study to ensure that sales prices and assessed values both represented market value as of January 1, 2019.

Primary categories or counties with fewer than five sales are not formally tested and are not included in this report.

Attached documents

The following documents are attached to this report to provide the user with both detailed statistical reports and a summary of the final 2018 Idaho ratio study:

- 1. Chart I summary of sales received;
- 2. Chart II summary of statistical results;
- 3. Bar chart showing 2018 2019 level by primary category;
- 4. Bar chart showing 2018 2019 uniformity by primary category;
- 5. Statewide statistics by county for each primary category.

Chart I 2019 Ratio Study Summary Sales Received										
Category	Counties	То	tals	Changes 2018/2019:						
	Studied	2019	2018	Number	Percent					
Residential:										
Improved	44	33,235	34,126	(891)	-2.6%					
Unimproved	42	3,198	3,431	(233)	-6.8%					
Commercial:				-						
Improved	29	755	872	(117)	-13.4%					
Unimproved	10	159	187	(28)	-15.0%					
Manufactured Homes:										
Manufactured Housing without land	23	915	885	30	3.4%					
Totals:	148	38,262	39,501	(1,239)	-3.1%					

Chart II									
2019	Final Rati	io Study -	Summary o	of Results					
~	Counties	Number	Assessme	ent Level:	Uniform	nity:			
Category	Studied	in Sample	Median	Mean	COD	PRD			
Residential:									
Improved	44	33,235	94.71	94.02	9.13	1.00			
Unimproved	42	3,198	91.67	92.07	21.13	1.04			
Commercial:									
Improved	29	755	91.42	91.02	18.64	1.04			
Unimproved	10	159	88.27	85.80	23.36	1.06			
Manufactured Housing:									
Manufactured Housing	23	915	92.13	96.37	30.56	1.07			
Totals:	148	38,262							



2018 - 2019 Ratio Study Level

Based on median ratio using all sales in each category

2018 - 2019 Ratio Study Uniformity





<u>County</u>	Sales Count	<u>Total Assessed</u> <u>Value (\$)</u>	<u>Total Sales Price</u> or Value (\$)	<u>Mean</u> Ratio	<u>Median</u> <u>Ratio</u>	<u>Geometric</u> Mean Ratio	<u>Weighted</u> <u>Mean Ratio</u>	<u>Price</u> <u>Related</u> Differential	Coefficient of Dispersion (COD)	Coefficient of Variation (COV)	Probability of 90/110% Actual Mean
ADA	267	50,703,600	54,859,379	93.19%	95.39%	90.48%	92.42%	1.01	16.18%	22.14%	99.41%
ADAMS	54	2,174,541	2,531,850	102.26%	94.99%	95.15%	85.89%	1.19	30.84%	37.06%	92.56%
BANNOCK	56	3,451,609	4,091,218	86.70%	86.40%	84.14%	84.37%	1.03	17.08%	23.38%	11.12%
BEARLAKE	46	3,265,079	4,078,199	83.72%	85.53%	81.39%	80.06%	1.05	17.75%	23.11%	1.36%
BENEWAH	39	1,467,311	1,645,324	95.56%	92.59%	91.96%	89.18%	1.07	22.19%	29.50%	89.00%
BINGHAM	10	378,454	418,823	92.94%	91.02%	92.48%	90.36%	1.03	7.92%	10.75%	81.17%
BLAINE	114	34,476,091	37,825,609	92.79%	94.36%	91.14%	91.14%	1.02	13.44%	18.51%	95.82%
BOISE	193	9,768,828	10,624,701	98.38%	99.01%	93.54%	91.94%	1.07	23.45%	30.54%	99.99%
BONNER	198	22,573,284	24,960,250	94.39%	94.83%	90.38%	90.44%	1.04	22.23%	28.27%	98.96%
BONNEVILLE	90	4,966,702	5,674,636	91.90%	92.11%	88.90%	87.52%	1.05	18.14%	24.93%	78.23%
BOUNDARY	35	1,382,640	1,751,730	84.91%	85.44%	81.75%	78.93%	1.08	20.52%	27.14%	9.51%
BUTTE	7	147,743	154,147	111.01%	101.01%	106.70%	95.85%	1.16	26.45%	29.89%	39.66%
CAMAS	13	357,347	369,225	100.04%	96.43%	99.13%	96.78%	1.03	10.48%	14.57%	97.08%
CANYON	318	26,148,450	29,988,925	91.56%	92.89%	88.94%	87.19%	1.05	18.19%	23.47%	90.15%
CARIBOU	12	162,820	170,257	107.77%	99.10%	103.27%	95.63%	1.13	27.26%	29.73%	55.26%
CASSIA	6	254,844	328,500	87.54%	89.77%	85.75%	77.58%	1.13	18.55%	21.77%	36.52%
CLARK											
CLEARWATER	13	418,652	542,747	88.81%	83.41%	83.78%	77.14%	1.15	26.17%	34.09%	43.14%
CUSTER	30	2,257,460	2,681,551	90.20%	82.79%	84.31%	84.18%	1.07	33.11%	37.90%	51.13%
ELMORE	22	830,103	1,009,783	89.40%	85.00%	87.69%	82.21%	1.09	17.10%	20.80%	44.03%
FRANKLIN											
FREMONT	109	5,902,668	6,885,717	95.33%	90.27%	89.31%	85.72%	1.11	29.75%	34.75%	95.25%
GEM	22	983,919	1,618,365	60.50%	60.22%	59.05%	60.80%	1.00	18.67%	23.71%	0.00%
GOODING	31	1,011,103	1,136,623	95.10%	96.67%	85.85%	88.96%	1.07	31.82%	43.27%	73.32%
	42	2,317,551	2,492,974	98.93%	97.62%	93.52%	92.96%	1.06	27.02%	34.41%	93.80%
JEFFERSON		2,804,779	3,641,786	81.49%	82.19%	79.56%	77.02%	1.06	10.52%	21.70%	Approx. 100%
	502	222,430	303,500	03.57%	07.31%	04.31%	01.19%	1.07	12.97%	20.32%	0.07%
	503	72,371,829	30,010,009	93.62%	92.94%	90.21%	89.78% 95.77%	1.04	19.21%	20.10%	99.95%
	50	2,230,144	2,009,000	80.03%	91.90%	00.40%	03.77%	1.04	21.41%	20.09%	40.32%
		1,021,979	1,229,590	84 65%	82.06%	83.05%	82.58%	1.07	29.39%	20 / 1%	21 70%
	7	228 240	302.000	82 78%	80.00%	78 01%	75 58%	1.05	25.68%	20.41%	21.73%
	35	1 582 087	1 827 507	88.52%	00.00%	83.88%	86 57%	1.10	20.37%	28 / 2%	25.37%
MINIDOKA	15	576 034	785 500	76 46%	73 52%	73.69%	73 33%	1.02	20.37 %	27.55%	1 30%
NEZPERCE	44	3 257 047	3 555 771	96.21%	92 30%	93.89%	91.60%	1.04	17 15%	21.00%	97.44%
	8	284 784	337 900	85.85%	89 58%	85 19%	84 28%	1.00	8 90%	12.86%	16 16%
OWYHEE	12	610 958	595 500	103 55%	107 16%	98.54%	102 60%	1.02	21.68%	28.90%	69.20%
PAYETTE	32	1 542 253	1 937 997	85 11%	79 25%	80.82%	79.58%	1.07	29.75%	32.84%	15.87%
POWER	5	136 125	181 500	84.90%	70.19%	82.36%	75.00%	1,13	22.92%	29.31%	29.16%
SHOSHONE	46	933.646	1.364.885	74.29%	62.80%	68.69%	68.40%	1.09	38.70%	42.01%	Approx. 100%
TETON	77	4.930.065	5.033.802	96.69%	92.96%	94.84%	97.94%	0.99	14.18%	19.63%	99.87%
TWINFALLS	212	13,775.154	15,164.822	93.37%	90.77%	90.70%	90.84%	1.03	18.20%	24.24%	98.46%
VALLEY	269	20,367,086	24,618,691	88.77%	88.05%	84.50%	82.73%	1.07	24.55%	30.80%	22.97%
WASHINGTON	24	957,258	1,091,400	94.30%	96.13%	90.65%	87.71%	1.08	19.79%	26.89%	78.99%
STATEWIDE	3,198	303,340,625	341,213,861	92.07%	91.67%	88.34%	88.90%	1.04	21.13%	27.90%	Approx.100%

<u>County</u>	Mean Lower Confidence Interval (90%)	Mean Upper Confidence Interval (90%)	Median Lower Confidence Interval (90%)	<u>Median</u> <u>Upper</u> <u>Confidence</u> Interval (90%)	<u>Weighted</u> <u>Mean Lower</u> <u>Confidence</u> Interval (90%)	<u>Weighted</u> <u>Mean Upper</u> <u>Confidence</u> Interval (90%)	Distribution	<u>Average Sale</u> Price or Value (\$)	<u>PRB</u>	Lower 95% CI on PRB	<u>Upper</u> 95% CI on PRB
ADA	91.11%	95.27%	92.35%	97.05%	90.18%	94.67%	Normal	205,466	0.0187	-0.0107	0.0482
ADAMS	93.77%	110.74%	89.62%	107.69%	76.90%	94.88%	Normal	46,886	-0.2195	-0.3354	-0.1037
BANNOCK	82.24%	91.16%	83.65%	90.75%	78.98%	89.75%	Normal	73,057	0.0350	-0.0400	0.1101
BEARLAKE	79.02%	88.41%	76.75%	91.41%	72.98%	87.15%	Normal	88,657	-0.0159	-0.0642	0.0323
BENEWAH	88.13%	102.98%	82.16%	99.81%	83.93%	94.44%	Non-Normal	42,188	-0.0656	-0.1449	0.0137
BINGHAM	87.15%	98.73%	86.24%	100.34%	86.25%	94.48%	Normal	41,882	-0.1045	-0.1977	-0.0112
BLAINE	90.14%	95.43%	92.20%	95.68%	86.85%	95.44%	Normal	331,804	0.0066	-0.0157	0.0290
BOISE	94.82%	101.93%	93.06%	102.06%	87.61%	96.28%	Non-Normal	55,050	-0.0331	-0.0814	0.0153
BONNER	91.27%	97.51%	90.43%	98.91%	86.37%	94.50%	Normal	126,062	-0.0111	-0.0496	0.0274
BONNEVILLE	87.93%	95.88%	89.78%	95.65%	83.23%	91.82%	Normal	63,052	-0.0529	-0.1489	0.0430
BOUNDARY	78.50%	91.31%	77.17%	90.53%	71.88%	85.98%	Normal	50,049	-0.0717	-0.1525	0.0091
BUTTE	86.65%	135.38%	73.57%	146.02%	72.74%	118.95%	Normal	22,021	-0.2996	-0.6254	0.0262
CAMAS	92.84%	107.24%	91.83%	107.35%	91.32%	102.25%	Normal	28,402	-0.0777	-0.1974	0.0420
CANYON	89.58%	93.55%	89.31%	95.08%	84.86%	89.53%	Non-Normal	94,305	-0.0669	-0.1022	-0.0317
CARIBOU	91.16%	124.38%	82.41%	138.64%	81.36%	109.90%	Normal	14,188	-0.4161	-0.7005	-0.1317
CASSIA	71.86%	103.22%	66.28%	106.45%	62.26%	92.90%	Normal	54,750	-0.0788	-0.2898	0.1321
CLARK											
CLEARWATER	73.85%	103.77%	77.77%	107.27%	61.06%	93.21%	Normal	41,750	-0.1566	-0.3298	0.0167
CUSTER	79.60%	100.81%	69.43%	97.52%	69.54%	98.83%	Normal	89,385	-0.0109	-0.1286	0.1068
ELMORE	82.57%	96.22%	77.46%	93.94%	73.80%	90.61%	Normal	45,899	-0.1194	-0.2287	-0.0100
FRANKLIN											
FREMONT	90.11%	100.55%	83.41%	102.48%	78.71%	92.74%	Normal	63,172	-0.0274	-0.1017	0.0469
GEM	55.24%	65.76%	49.27%	66.08%	56.10%	65.50%	Non-Normal	73,562	0.0488	-0.1049	0.2025
GOODING	82.56%	107.64%	79.45%	99.38%	77.46%	100.45%	Normal	36,665	-0.0378	-0.1240	0.0484
IDAHO	90.29%	107.57%	85.62%	102.85%	83.56%	102.36%	Normal	59,357	-0.0041	-0.1478	0.1397
JEFFERSON	78.17%	84.80%	77.70%	86.96%	72.98%	81.06%	Normal	47,296	-0.1027	-0.1915	-0.0139
JEROME	52.87%	78.27%	46.09%	76.52%	43.62%	78.77%	Normal	72,700	-0.1349	-0.4582	0.1885
KOOTENAI	91.83%	95.41%	91.56%	95.24%	86.74%	92.82%	Non-Normal	160,260	0.0031	-0.0170	0.0231
LATAH	82.17%	95.88%	80.76%	98.27%	78.43%	93.10%	Normal	72,489	-0.0121	-0.0798	0.0555
LEMHI	81.44%	96.64%	78.16%	95.86%	75.41%	90.82%	Non-Normal	21,572	-0.0458	-0.1051	0.0136
LEWIS	71.96%	97.34%	68.34%	101.75%	72.05%	93.11%	Normal	17,286	-0.0289	-0.1966	0.1388
LINCOLN	63.05%	102.51%	60.51%	116.74%	59.16%	91.99%	Normal	43,143	-0.1861	-0.6347	0.2625
MADISON	81.53%	95.52%	86.31%	99.44%	79.48%	93.66%	Normal	52,214	0.1499	-0.0561	0.3558
MINIDOKA	66.88%	86.04%	65.53%	90.46%	64.94%	81.73%	Normal	52,367	-0.0243	-0.1853	0.1367
NEZPERCE	90.98%	101.44%	88.35%	100.12%	85.88%	97.32%	Normal	80,813	-0.1095	-0.1930	-0.0260
ONEIDA	78.46%	93.25%	73.19%	92.95%	74.91%	93.65%	Normal	42,238	-0.0102	-0.2010	0.1807
OWYHEE	88.03%	119.07%	88.19%	123.40%	87.53%	117.66%	Normal	49,625	0.1332	-0.1046	0.3711
PAYETTE	76.98%	93.23%	66.60%	97.58%	72.51%	86.65%	Normal	60,562	-0.1182	-0.3109	0.0744
POWER	61.17%	108.63%	67.31%	121.68%	64.07%	85.93%	Normal	36,300	-0.1086	-0.4789	0.2616
SHOSHONE	66.72%	81.86%	59.97%	74.13%	59.28%	77.53%	Non-Normal	29,671	0.0379	-0.1463	0.2220
TETON	93.13%	100.24%	91.08%	96.62%	91.09%	104.79%	Non-Normal	65,374	0.0434	-0.0244	0.1112
TWINFALLS	90.81%	95.92%	88.40%	94.32%	88.25%	93.42%	Non-Normal	71,532	-0.0541	-0.0922	-0.0161
VALLEY	86.03%	91.52%	84.53%	90.64%	79.58%	85.89%	Non-Normal	91,519	-0.0418	-0.0783	-0.0052
WASHINGTON	85.43%	103.18%	88.40%	103.01%	76.50%	98.92%	Normal	45,475	-0.1346	-0.3734	0.1042
STATEWIDE	91.32%	92.81%	90.91%	92.39%	87.83%	89.97%	Non-Normal	106,696	-0.0012	-0.0059	0.0035

-	Vacant	Residential	Properties	
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	Vacant Res	sidential Combined Categories			Observed Sal	les Dates:
FINAL Study when	Using 2019 A	ssessed	Assessn	nent Date:	From:	То:
Initialed and dated.	Value	S	01/0 ⁻	1/2019	01/01/2018	11/05/2019
Sales Price is/mav be	Sales Prices ad	liusted for tim	ne at County		Selected Tim	e Period:
Time Adjusted		Level	io at obtainty		01/01/2017	12/31/2019
SAMPLE STATIS	TICS				01/01/2017	12/31/2019
Sample size (n)	3 198			Ratio Freguen	cv	
Total Assessed Value	\$303 340 625	1000		•	•	
Total Sales Price	\$341 213 861	900 -				
Mean Assessed Value	\$94.853			899		
Mean Sales Price	\$106,696	800 -				
Standard Deviation AV	\$124,968	¥ ⁷⁰⁰				
Standard Deviation SP	\$139,853			r12		
Median Assessed Value	\$63,396	ö				
Median Sales Price	\$70,000	S 500 -				
ASSESSMENT L	EVEL	es 400	46	53		
Arithmetic Mean Ratio	92.07%	B 300 -		410		
Median Ratio	91.67%	di ctr				
Weighted Mean Ratio	88.90%	₹ 200 -	229	203		
Geometric Mean Ratio	88.34%	100 -				
UNIFORMITY	(0	2 10 77	108	39 30 7 3 0 0	0 0 0 0
Lowest Ratio	13.20%	00	10 00 CM 00 CM		to as as no to po to	on the op c
Highest Ratio	203.43%	0.5	0. 0. 0. 0. 0. 0.	O ² N ² N ² N ² N ² N ² N ²	、" ヽ" ヽ" ∿' ∿' ∿' ∿" ∩	ᡗ᠂᠂ᡗ᠈ᢅ᠂ᡐ
Coefficient of Dispersion	21.13%			Observed —	Expected	
Standard Deviation	25.69%			Comulia	nee Cheekey	
Coefficient of Variation	27.90%	PRB		Complia	nce Checks:	
Price-related Differential	1.04	-0.0012	Level:			
RELIABILITY	/	T-Score: -0.5	MEDIA	N 90% Confide	nce Interval:	PASSED
90% Confidence Intervals:	Lower	Upper	MEDIA	N 80% Confide	nce Interval:	PASSED
Around the Mean	91.32%	92.81%	Uniformity:	COD Stan	dards met?	NO
BINOM - Around the Median	90.91%	92.39%		COD:	Somewhat Poor	
Around the Weighted Mean	87.83%	89.97%		COV:	Somewhat Poor	
Around the COD	20.71%	21.99%		PRD:	Favors High Priced	
Probability True Mean 90-110	Approx.1	00%				
80% Confidence Intervals:	Lower	Upper		CON	IMENTS:	
Around the Mean	91.48%	92.65%				
BINOM - Around the Median	91.15%	92.25%				
Around the Weighted Mean	88.07%	89.73%				
NORMALITY Test Results:	Non-Normal					
Chi Square Test	Non-Normal					
Binomiai lest	N/A		Coost	on Coto		
Manna 14/6:4 T4	0.0005	Carriet	Second	ary Category(I	es) with sales	
Wann-winney lest	-0.9805	<u>count</u>	Lategory 1	Description	Pos Tract	
	Non-Normal	43∠ 1 717	12 1	Inimproved Rural	Res Sub	
Shaniro-Wilk W	N/A	81	18 1	Inimproved Ather	l and	
Kurtosis $(2.5 - 4) = 4.01$	Not Trimmed?	968	20 1	Unimproved Urbar	Res Lot/Acre	
Skew $(-0.5 - 1) = 0.48$	Acceptable	000	20			
COD Standard	Maximum					
Vacant Residential	20.00%					
	I				COV/C	OD
	I	March	24 2020		COV/C	<u>OD</u> 125%
	I	March	24, 2020 Staff		COV/C Expected Observed	<u>OD</u> 125% 132%
	I	March STC	24, 2020 Staff		COV/C Expected Observed Maybe a Non-Renres	OD 125% 132% entatice. Sample

<u>County</u>	Sales Count	<u>Total Assessed</u> <u>Value (\$)</u>	<u>Total Sales Price</u> or Value (\$)	<u>Mean</u> Ratio	<u>Median</u> <u>Ratio</u>	<u>Geometric</u> <u>Mean Ratio</u>	<u>Weighted</u> Mean Ratio	<u>Price</u> <u>Related</u> <u>Differential</u>	Coefficient of Dispersion (COD)	Coefficient of Variation (COV)	Probability of 90/110% Actual Mean
ADA	12,371	4,427,727,500	4,537,942,719	97.76%	98.28%	97.28%	97.57%	1.00	6.83%	9.71%	Approx.100%
ADAMS	66	13,699,715	15,799,839	94.23%	83.67%	89.66%	86.71%	1.09	28.55%	34.31%	85.54%
BANNOCK	1,069	196,767,275	207,730,491	94.80%	94.73%	93.95%	94.72%	1.00	10.32%	13.41%	Approx.100%
BEARLAKE	73	14,769,752	16,950,361	87.79%	87.68%	86.86%	87.14%	1.01	11.91%	14.64%	6.94%
BENEWAH	52	6,116,980	7,103,175	92.69%	89.11%	87.60%	86.12%	1.08	27.06%	35.92%	71.89%
BINGHAM	146	26,020,343	27,782,654	94.77%	94.76%	94.10%	93.66%	1.01	9.41%	11.93%	Approx.100%
BLAINE	701	433,295,359	486,804,348	90.06%	90.87%	89.36%	89.01%	1.01	9.42%	12.30%	55.57%
BOISE	253	59,597,325	64,803,491	92.39%	91.53%	90.21%	91.97%	1.00	17.00%	21.93%	96.93%
BONNER	479	166,880,630	175,888,863	93.92%	93.56%	92.47%	94.88%	0.99	13.40%	17.36%	Approx.100%
BONNEVILLE	1,828	378,315,686	422,846,618	89.15%	89.60%	88.44%	89.47%	1.00	9.62%	12.46%	Approx. 100%
BOUNDARY	85	13,049,300	16,660,291	81.88%	79.91%	79.55%	78.33%	1.05	18.62%	24.59%	Approx. 100%
BUTTE	12	1,286,135	1,540,915	86.22%	86.58%	84.85%	83.47%	1.03	14.42%	18.67%	21.63%
CAMAS	17	2,236,467	2,396,682	92.04%	94.07%	91.53%	93.32%	0.99	6.71%	10.28%	80.62%
CANYON	5,482	1,322,245,980	1,410,794,220	93.51%	93.47%	93.14%	93.72%	1.00	6.75%	8.85%	Approx.100%
CARIBOU	37	5,095,764	5,556,840	91.29%	89.26%	90.55%	91.70%	1.00	10.57%	12.91%	74.54%
CASSIA	119	20,573,106	22,756,682	90.95%	88.04%	90.25%	90.40%	1.01	9.72%	12.91%	81.06%
CLARK	5	343,550	490,000	72.99%	69.99%	72.00%	70.11%	1.04	16.10%	18.54%	2.25%
CLEARWATER	58	8,561,579	9,892,909	88.69%	87.56%	86.52%	86.54%	1.02	18.35%	22.30%	30.50%
CUSTER	87	11,715,410	13,496,377	94.81%	85.84%	90.55%	86.80%	1.09	26.29%	31.93%	93.06%
ELMORE	430	69,338,305	75,219,600	92.06%	92.83%	90.96%	92.18%	1.00	10.72%	15.20%	99.87%
FRANKLIN	169	30,597,493	35,737,926	85.82%	83.97%	84.51%	85.62%	1.00	14.21%	17.37%	Approx. 100%
FREMONT	124	30,683,795	34,853,289	90.82%	90.00%	88.38%	88.04%	1.03	17.34%	22.75%	67.00%
GEM	219	44,943,228	48,861,179	92.59%	92.09%	91.39%	91.98%	1.01	12.72%	16.12%	99.48%
GOODING	172	22,618,203	27,353,736	84.76%	82.13%	82.86%	82.69%	1.03	17.31%	22.09%	Approx. 100%
IDAHO	132	20,381,586	22,746,439	92.27%	90.15%	90.64%	89.60%	1.03	15.87%	19.42%	92.65%
JEFFERSON	281	66,218,191	74,634,596	88.71%	89.91%	88.09%	88.72%	1.00	8.67%	11.49%	1.70%
JEROME	97	17,211,206	18,765,923	93.56%	92.30%	91.70%	91.72%	1.02	15.17%	20.41%	96.64%
KOOTENAI	4,339	1,425,518,287	1,565,748,869	91.40%	91.84%	90.92%	91.04%	1.00	7.65%	10.18%	Approx.100%
LATAH	376	90,458,723	98,833,591	91.48%	92.33%	90.32%	91.53%	1.00	11.63%	15.39%	97.88%
LEMHI	111	19,111,980	20,821,062	92.06%	92.78%	89.92%	91.79%	1.00	14.83%	21.09%	86.65%
LEWIS	49	6,229,025	6,808,504	93.26%	88.15%	90.46%	91.49%	1.02	20.78%	25.42%	83.15%
LINCOLN	20	2,411,590	3,229,300	73.97%	75.41%	71.94%	74.68%	0.99	18.36%	23.61%	0.03%
MADISON	267	50,276,478	60,294,917	83.70%	85.43%	82.91%	83.38%	1.00	10.16%	13.42%	Approx. 100%
MINIDOKA	191	31,406,660	33,521,311	93.50%	94.00%	92.22%	93.69%	1.00	12.63%	16.41%	99.90%
NEZPERCE	497	102,330,557	111,466,165	92.16%	91.56%	91.51%	91.80%	1.00	8.86%	11.80%	Approx.100%
ONEIDA	42	5,647,430	6,295,822	92.07%	89.75%	90.06%	89.70%	1.03	17.12%	21.80%	74.54%
OWYHEE	83	15,958,534	20,124,049	77.63%	77.60%	75.94%	79.30%	0.98	15.88%	19.96%	Approx. 100%
PAYETTE	321	61,148,925	67,035,228	93.12%	93.39%	91.10%	91.22%	1.02	15.22%	20.99%	99.79%
POWER	42	5,126,605	6,132,138	84.74%	82.49%	83.43%	83.60%	1.01	14.22%	17.61%	1.10%
SHOSHONE	265	32,202,720	36,633,164	90.15%	88.92%	87.56%	87.91%	1.03	19.33%	24.28%	54.38%
TETON	31	13,301,554	14,272,352	94.47%	93.67%	94.08%	93.20%	1.01	7.27%	9.36%	99.75%
TWINFALLS	1,527	318,918,250	341,898,558	93.39%	94.43%	92.27%	93.28%	1.00	10.98%	15.05%	Approx.100%
VALLEY	359	132,081,330	151,940,493	86.22%	85.97%	84.71%	86.93%	0.99	14.92%	18.41%	Approx. 100%
WASHINGTON	151	21,536,350	23,213,495	94.41%	92.55%	93.15%	92.78%	1.02	12.78%	16.44%	99.97%
STATEWIDE	33,235	9,743,954,861	10,353,679,178	94.02%	94.71%	96.55%	94.11%	1.00	9.13%	12.66%	Approx.100%

<u>County</u>	Mean Lower Confidence Interval (90%)	Mean Upper Confidence Interval (90%)	Median Lower Confidence Interval (90%)	<u>Median</u> <u>Upper</u> <u>Confidence</u> Interval (90%)	<u>Weighted</u> <u>Mean Lower</u> <u>Confidence</u> Interval (90%)	<u>Weighted</u> <u>Mean Upper</u> <u>Confidence</u> Interval (90%)	Distribution	<u>Average Sale</u> <u>Price or</u> <u>Value (\$)</u>	<u>PRB</u>	Lower 95% CI on PRB	Upper 95% CI on PRB
ADA	97.62%	97.90%	98.15%	98.41%	97.38%	97.76%	Non-Normal	366,821	0.0212	0.0180	0.0244
ADAMS	87.69%	100.78%	79.92%	92.39%	82.08%	91.34%	Non-Normal	239,391	-0.0907	-0.1780	-0.0033
BANNOCK	94.16%	95.44%	93.99%	95.50%	94.01%	95.44%	Non-Normal	194,322	0.0200	0.0068	0.0331
BEARLAKE	85.31%	90.26%	84.91%	91.12%	83.66%	90.61%	Normal	232,197	-0.0051	-0.0420	0.0319
BENEWAH	85.09%	100.28%	79.28%	95.52%	80.08%	92.15%	Non-Normal	136.600	-0.0788	-0.2101	0.0525
BINGHAM	93.23%	96.31%	92.18%	96.00%	92.12%	95.19%	Normal	190.292	-0.0229	-0.0532	0.0074
BLAINE	89.37%	90.75%	89.74%	91.69%	87.78%	90.24%	Normal	694,443	0.0005	-0.0074	0.0084
BOISE	90.30%	94.49%	88.58%	93.27%	89.75%	94.18%	Non-Normal	256,140	0.0180	-0.0124	0.0484
BONNER	92.69%	95.14%	92.29%	94.83%	93.32%	96.44%	Non-Normal	367,200	0.0408	0.0216	0.0600
BONNEVILLE	88.72%	89.58%	89.23%	90.19%	88.98%	89.96%	Non-Normal	231,317	0.0425	0.0331	0.0519
BOUNDARY	78.29%	85.47%	75.66%	83.61%	75.14%	81.51%	Non-Normal	196,003	-0.1346	-0.2193	-0.0498
BUTTE	77.87%	94.56%	73.05%	93.85%	73.72%	93.21%	Normal	128,410	-0.0150	-0.1382	0.1083
CAMAS	88.03%	96.04%	90.06%	96.58%	90.04%	96.59%	Normal	140,981	0.0053	-0.0381	0.0487
CANYON	93.32%	93.69%	93.24%	93.67%	93.51%	93.94%	Non-Normal	257,350	0.0368	0.0320	0.0415
CARIBOU	88.10%	94.48%	87.49%	94.61%	87.75%	95.65%	Normal	150,185	0.0056	-0.0393	0.0506
CASSIA	89.18%	92.72%	86.38%	90.53%	88.75%	92.06%	Non-Normal	191,233	-0.0132	-0.0463	0.0200
CLARK	60.09%	85.89%	60.33%	88.78%	57.78%	82.44%	Normal	98,000	-0.2472	-0.7137	0.2193
CLEARWATER	84.42%	92.96%	81.65%	93.33%	80.88%	92.21%	Normal	170,567	-0.0071	-0.0763	0.0621
CUSTER	89.47%	100.15%	82.04%	89.96%	82.40%	91.21%	Non-Normal	155,131	-0.1206	-0.1979	-0.0434
ELMORE	90.95%	93.17%	92.34%	93.55%	91.05%	93.31%	Non-Normal	174,929	0.0515	0.0276	0.0753
FRANKLIN	83.94%	87.71%	82.27%	87.52%	83.83%	87.40%	Non-Normal	211,467	0.0500	-0.0034	0.1033
FREMONT	87.77%	93.87%	86.62%	92.54%	84.38%	91.70%	Normal	281,075	-0.0198	-0.0576	0.0180
GEM	90.93%	94.25%	89.46%	93.57%	90.17%	93.79%	Non-Normal	223,110	0.0148	-0.0233	0.0529
GOODING	82.41%	87.11%	79.81%	84.51%	80.36%	85.02%	Non-Normal	159,033	-0.0417	-0.0882	0.0049
IDAHO	89.71%	94.84%	86.49%	93.28%	87.16%	92.05%	Non-Normal	172,322	-0.0327	-0.0738	0.0083
JEFFERSON	87.71%	89.72%	89.03%	90.92%	87.63%	89.82%	Normal	265,604	0.0401	0.0183	0.0620
JEROME	90.37%	96.75%	89.17%	96.09%	88.58%	94.85%	Non-Normal	193,463	-0.0281	-0.0902	0.0340
KOOTENAI	91.17%	91.64%	91.61%	92.12%	90.70%	91.39%	Non-Normal	360,855	0.0079	0.0030	0.0127
LATAH	90.28%	92.67%	90.74%	93.60%	90.34%	92.71%	Normal	262,855	0.0450	0.0208	0.0692
LEMHI	89.03%	95.09%	90.18%	95.03%	88.70%	94.88%	Normal	187,577	0.0178	-0.0293	0.0649
LEWIS	87.68%	98.83%	83.77%	95.45%	86.63%	96.34%	Non-Normal	138,949	0.0114	-0.0772	0.1000
LINCOLN	67.22%	80.72%	63.52%	81.53%	68.77%	80.58%	Normal	161,465	0.1464	-0.0319	0.3246
MADISON	82.57%	84.83%	83.74%	86.38%	82.15%	84.62%	Normal	225,824	0.0260	-0.0030	0.0550
MINIDOKA	91.67%	95.32%	92.33%	95.23%	92.06%	95.33%	Normal	175,504	0.0361	-0.0007	0.0729
NEZPERCE	91.36%	92.97%	90.54%	92.57%	91.03%	92.58%	Normal	224,278	0.0014	-0.0168	0.0197
ONEIDA	86.98%	97.17%	83.92%	95.55%	84.91%	94.49%	Normal	149,901	-0.0681	-0.1646	0.0285
OWYHEE	74.83%	80.43%	74.33%	81.33%	76.08%	82.52%	Normal	242,458	0.0790	0.0274	0.1307
PAYETTE	91.33%	94.92%	91.90%	94.66%	89.50%	92.93%	Non-Normal	208,832	-0.0216	-0.0576	0.0145
POWER	80.95%	88.52%	78.81%	88.94%	80.00%	87.20%	Normal	146,003	0.0167	-0.0604	0.0939
SHOSHONE	87.94%	92.36%	86.86%	91.79%	85.79%	90.02%	Non-Normal	138,238	-0.0050	-0.0451	0.0352
TETON	91.77%	97.16%	91.90%	97.39%	90.09%	96.31%	Normal	460,398	-0.0201	-0.0757	0.0356
TWINFALLS	92.80%	93.98%	93.87%	94.97%	92.70%	93.85%	Non-Normal	223,902	0.0276	0.0164	0.0387
VALLEY	84.84%	87.60%	84.40%	87.75%	85.07%	88.79%	Normal	423,233	0.0399	0.0208	0.0590
WASHINGTON	92.34%	96.49%	91.26%	95.16%	90.42%	95.13%	Normal	153,732	-0.0251	-0.0629	0.0127
STATEWIDE	93.91%	94.12%	94.61%	94.83%	93.98%	94.24%	Non-Normal	311,529	0.0149	0.0132	0.0166

- Improved Residential Properties

	Improved Re	sidential	Combine	d Categories	Observed Sa	les Dates:
FINAL Study when	Using 2019 A	ssessed	Assess	ment Date:	From:	То:
Initialed and dated.	Value	s	01/0	01/2019	10/01/2018	09/30/2019
Sales Price is/may be	Sales Prices ad	iusted for tim	e at Countv		Selected Tim	e Period:
Time Adjusted		Level			01/01/2017	12/31/2019
SAMPLE STATIS	TICS				0.00.02011	12/01/2010
Sample size (n)	33,235			Ratio Frequen	су	
Total Assessed Value	\$9,743,954,861	20000				
Total Sales Price	\$10,353,679,178	18000 -		18567		
Mean Assessed Value	\$293,184	16000 -				
Mean Sales Price	\$311,529	14000				
Standard Deviation AV	\$194,726	t ¹⁴⁰⁰⁰				
Standard Deviation SP	\$210,721	0 12000 -				
Median Assessed Value	\$254,200	ອ ອາ10000 -				
	\$268,975	ale				
ASSESSMENT L	94.02%	<u>s</u> 0000 1		8418		
Median Ratio	94.02 %	9000				
Weighted Mean Ratio	94 11%	100 4000				
Geometric Mean Ratio	96.55%	2000				
UNIFORMIT	(2000] 0	0 0 19 238	767 990 0 0	0 0 0 0 0	0 0 0 0
Lowest Ratio	34.29%	0 +				
Highest Ratio	206.34%	0.00	0. ¹⁵ 0. ³⁵ 0. ⁴⁵ 0. ⁶⁵ 0	1, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	^{6°} ¹ ^{6°} 1 ^{°°} 1 ^{°°°} 1 ^{°°} 1 ^{°°°} 1 ^{°°°} 1 ^{°°°} 1 ^{°°°} 1 ^{°°°} 1 ^{°°°} 1 ^{°°}	2. 2. 3. 3. 3. 5. 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
Coefficient of Dispersion	9.13%				D Expected	
Standard Deviation	11.90%					
Coefficient of Variation	12.66%	PRB		Complia	nce Checks:	
Price-related Differential	1.00	0.0149	Level:			
RELIABILITY	(T-Score: 17.2	MEDI	AN 90% Confider	ice Interval:	PASSED
90% Confidence Intervals:	Lower	Upper	MEDI	AN 80% Confider	nce Interval:	PASSED
Around the Mean	93.91%	94.12%	Uniformity:	COD Stan	dards met?	YES
BINOM - Around the Median	94.61%	94.83%		COD:	Excellent	
Around the Weighted Mean	93.98%	94.24%		COV:	Very Good	
Around the COD	9.05%	9.24%		PRD:	No Observed Bias	
Probability True Mean 90-110	Approx.1	00%				
80% Confidence Intervals:	Lower	Upper		COM	MENTS:	
Around the Mean	93.93%	94.10%				
BINOM - Around the Median	94.63%	94.81%				
Around the Weighted Mean	94.01%	94.21%				
NORMALITY Test Results:	Non-Normal					
Chi Square Test	Non-Normal					
Binomial Test	N/A		Sacar	dam. Catagom./i	aa) with aalaa	
Mann Whiteau Toot	02.0402	Count	Cotomorry		es) with sales	
Value Related Inc	93.0403	801	26	Res Condominium	e	
D'Agostino-Pearson	Non-Normal	1 516	1234	Improved Rural Re	s Tract	
Shapiro-Wilk W	N/A	16	1246	Mfg. House on Ru	al Res Tract	
Kurtosis (2.5 - 4) = 6.19	Not Trimmed?	150	1248	Dec.Mfg. House or	n Rural Res Tract	
Skew (-0.5 - 1) = 0.06	Acceptable	4,355	1537	Improved Rural Re	s Sub	
COD Standard	Maximum	28	1546	Mfg. House on Ru	al Res Sub	
Improved Residential	15.00%	138	1548	Dec.Mfg. House or	n Rural Res Sub	
		2	1840	Improved Other La	ind	
		25,792	2041	Improved Urban R	es _	
		57	2046	Mfg. House on Urb	an Res	
		251	2048	Dec.Mtg. House or	n Urban Res	
				I	COVIC	OD
		March	24 2020		Expected	125%
		STC	Staff		Observed	139%
		010			Maybe a Non-Repres	entatice Sample
					may se a non-nepres	cauoo oumpio

<u>County</u>	Sales Count	<u>Total Assessed</u> <u>Value (\$)</u>	<u>Total Sales Price</u> or Value (\$)	<u>Mean</u> Ratio	<u>Median</u> <u>Ratio</u>	<u>Geometric</u> <u>Mean Ratio</u>	<u>Weighted</u> <u>Mean Ratio</u>	<u>Price</u> <u>Related</u> <u>Differential</u>	Coefficient of Dispersion (COD)	Coefficient of Variation (COV)	Probability of 90/110% Actual Mean
ADA	224	11,739,000	12,617,646	95.02%	93.73%	90.89%	93.04%	1.02	21.94%	28.41%	99.73%
ADAMS											
BANNOCK	76	1,525,779	1,519,310	113.34%	110.00%	105.76%	100.43%	1.13	28.87%	36.11%	23.89%
BEARLAKE											
BENEWAH											
BINGHAM	5	98,231	99,795	95.04%	99.67%	94.24%	98.43%	0.97	10.20%	14.53%	73.31%
BLAINE	9	117,580	161,500	98.67%	77.30%	77.93%	72.80%	1.36	65.04%	64.96%	34.70%
BOISE											
BONNER	18	1,859,018	1,710,619	112.33%	109.63%	107.46%	108.68%	1.03	20.56%	30.75%	38.21%
BONNEVILLE	34	644,060	714,240	102.09%	98.41%	94.41%	90.17%	1.13	33.51%	39.44%	83.48%
BOUNDARY		,	· · · · · ·								
BUTTE											
CAMAS											
CANYON	156	3,167,100	3,896,172	99.67%	85.22%	88.79%	81.29%	1.23	45.29%	49.23%	98.88%
CARIBOU		-, - ,	- / /					-			
CASSIA	12	143,410	173,850	88.87%	84.97%	84.81%	82.49%	1.08	20.64%	31.11%	43.35%
CLARK		,	· · · · ·								
CLEARWATER											
CUSTER											
ELMORE	7	13,222	16,100	98.62%	100.00%	88.08%	82.12%	1.20	32.54%	43.77%	43.60%
FRANKLIN	12	358,350	396,336	96.10%	101.42%	94.85%	90.42%	1.06	9.14%	15.56%	9035.00%
FREMONT	9	79.270	94.800	81.12%	62.96%	67.16%	83.62%	0.97	69.20%	64.70%	24.40%
GEM	11	323,625	463,500	77.76%	81.05%	73.40%	69.82%	1.11	24.22%	32.92%	7.10%
GOODING	14	197.874	243.628	87.67%	91.03%	83.43%	81.22%	1.08	26.01%	32.02%	37.53%
IDAHO	8	34.236	34.800	162.94%	162.50%	127.01%	98.38%	1.66	53.19%	62.74%	5.15%
JEFFERSON	7	142.822	166.000	110.24%	111.11%	103.62%	86.04%	1.28	27.91%	34.91%	38.68%
JEROME		, -		-							
KOOTENAI	118	8.028.404	8,760,140	90.20%	91,73%	89.32%	91.65%	0.98	10.91%	13.89%	56.75%
LATAH	76	1.441.129	1.576.468	94.19%	89.32%	86.89%	91.42%	1.03	32.91%	40.16%	83.14%
LEMHI	-	, , -	,,								
LEWIS											
LINCOLN											
MADISON	45	998.805	1.458.866	74.02%	64.91%	68.57%	68.46%	1.08	37.47%	39.76%	Approx, 100%
MINIDOKA	6	102.440	77.500	108.79%	95.94%	101.13%	132.18%	0.82	36.42%	42.14%	34.37%
NEZPERCE	17	181.722	254.000	84.41%	71.73%	76.14%	71.54%	1.18	40.92%	55.85%	29.60%
ONEIDA		- ,		-							
OWYHEE											
PAYETTE	10	367.224	633.913	64.49%	52.39%	61.01%	57.93%	1.11	38.64%	35.86%	0.34%
POWER			,								
SHOSHONE	8	156.003	240.488	69.59%	67.64%	67.57%	64.87%	1.07	19.36%	26.99%	0.88%
TETON		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,				1				
TWINFALLS	33	475.532	587.298	110.69%	82.19%	93.61%	80.97%	1.37	65.76%	55.81%	44.87%
VALLEY											
WASHINGTON											
STATEWIDE	915	32,194,836	35,896,969	96.37%	92.13%	89.10%	89.69%	1.07	30.56%	40.30%	Approx.100%

<u>County</u>	Mean Lower Confidence Interval (90%)	Mean Upper Confidence Interval (90%)	Median Lower Confidence Interval (90%)	<u>Median</u> <u>Upper</u> <u>Confidence</u> Interval (90%)	<u>Weighted</u> <u>Mean Lower</u> <u>Confidence</u> Interval (90%)	<u>Weighted</u> <u>Mean Upper</u> <u>Confidence</u> Interval (90%)	Distribution	<u>Average</u> <u>Sale Price</u> or Value (\$)	<u>PRB</u>	Lower 95% CI on PRB	<u>Upper</u> 95% CI on PRB
ADA	92.05%	97.98%	91.27%	95.84%	90.05%	96.02%	Non-Normal	56,329	0.0124	-0.0190	0.0437
ADAMS											
BANNOCK	105.62%	121.07%	103.66%	117.63%	93.36%	107.49%	Normal	19,991	-0.0454	-0.1060	0.0152
BEARLAKE											
BENEWAH											
BINGHAM	81.88%	108.20%	80.28%	111.60%	86.95%	109.92%	Normal	19,959	0.0232	-0.0672	0.1135
BLAINE	58.93%	138,41%	47.28%	160.95%	32.00%	113.61%	Normal	17,944	-0.1024	-0.7185	0.5137
BOISE								,			
BONNER	98.17%	126,50%	100.79%	116.02%	100.26%	117.09%	Normal	95.034	-0.0072	-0.1783	0.1639
BONNEVILLE	90.73%	113.45%	73.74%	117.59%	82.25%	98.10%	Normal	21.007	-0.0544	-0.1349	0.0262
BOUNDARY											
BUTTE											
CAMAS											
CANYON	93.21%	106.13%	80.31%	96.32%	75,76%	86.81%	Non-Normal	24,975	-0.1480	-0.2190	-0.0769
CARIBOU											
CASSIA	74.53%	103.20%	78.54%	95.29%	76.49%	88.49%	Normal	14.488	-0.0444	-0.1874	0.0985
CLARK								,			
CLEARWATER											
CUSTER											
ELMORE	66.92%	130.32%	46.19%	139.48%	44.06%	120.19%	Normal	2,300	-0.3489	-0.9630	0.2652
FRANKLIN	88.35%	103.86%	94.87%	103.64%	79.66%	101.17%	Normal	33,028	-0.0390	-0.0977	0.0197
FREMONT	48.58%	113.66%	35.52%	118.19%	59.02%	108.21%	Normal	10,533	0.0420	-0.4805	0.5645
GEM	63.77%	91.74%	54.57%	97.48%	44.39%	95.26%	Normal	42,136	-0.0043	-0.1429	0.1344
GOODING	74.38%	100.96%	62.36%	106.42%	66.76%	95.68%	Normal	17,402	-0.0367	-0.1623	0.0889
IDAHO	94.44%	231.43%	47.03%	258.64%	33.50%	163.26%	Normal	4,350	-0.2276	-0.6901	0.2349
JEFFERSON	81.98%	138.51%	64.10%	146.56%	49.07%	123.00%	Normal	23,714	-0.0645	-0.2232	0.0941
JEROME											
KOOTENAI	88.31%	92.10%	89.48%	93.13%	89.49%	93.81%	Normal	74,238	0.0649	0.0352	0.0946
LATAH	87.05%	101.32%	82.02%	99.13%	85.69%	97.14%	Non-Normal	20,743	-0.0249	-0.0838	0.0340
LEMHI											
LEWIS											
LINCOLN											
MADISON	66.80%	81.24%	60.23%	81.50%	62.68%	74.24%	Non-Normal	32,419	-0.0460	-0.2387	0.1467
MINIDOKA	71.08%	146.49%	65.10%	166.83%	89.40%	174.96%	Normal	12,917	0.2400	0.0397	0.4404
NEZPERCE	64.45%	104.38%	57.31%	86.65%	56.07%	87.02%	Non-Normal	14,941	-0.0178	-0.4162	0.3807
ONEIDA											
OWYHEE											
PAYETTE	51.09%	77.90%	48.63%	85.09%	45.53%	70.33%	Normal	63,391	-0.1205	-0.3403	0.0993
POWER											
SHOSHONE	57.01%	82.18%	51.79%	81.87%	57.29%	72.45%	Normal	30,061	-0.1040	-0.2710	0.0629
TETON											
TWINFALLS	93.00%	128.38%	73.43%	141.07%	68.99%	92.95%	Normal	17,797	-0.3017	-0.5143	-0.0892
VALLEY											
WASHINGTON											
STATEWIDE	94.25%	98.48%	90.04%	93.74%	88.00%	91.37%	Non-Normal	39,232	-0.0209	-0.0388	-0.0031

- Manufactured Housing Properties

	Manufactured	l Housing	Combine	d Categories	Observed Sa	les Dates:
FINAL Study when	Using 2019 A	ssessed	Assess	ment Date:	From:	To:
Initialed and dated.	Value	s	01/0	01/2019	09/01/2017	01/03/2020
Sales Price is/may be	Sales Prices ad	iusted for tim	e at Countv		Selected Tin	ne Period:
Time Adjusted		Level			01/01/2017	01/31/2020
SAMPLE STATIS	TICS				01/01/2017	01/01/2020
Sample size (n)	915			Ratio Frequen	су	
Total Assessed Value	\$32,194,836	200				
Total Sales Price	\$35,896,969	180 -		190		
Mean Assessed Value	\$35,186	160 -		171		
Mean Sales Price	\$39,232					
Standard Deviation AV	\$34,521	t ¹⁴⁰				
Standard Deviation SP	\$36,580	1 20 -	I			
Median Assessed Value	\$23,176	ວ ຮ 100 -		119 114		
Median Sales Price	\$28,425	ale				
ASSESSMENT LI	EVEL 06.27%	<u>°</u> 80 -	89			
Antimietic Mean Ratio	90.37%	⁰⁰				
Weighted Mean Ratio	92.13%	40 −	18	53		
Geometric Mean Ratio	89.09%		40	40	36	
	(20 -	0 5			4 1 1 0
Lowest Ratio	16.95%	0 📙				
Highest Ratio	300.00%	0.00	0,20,30,40,000	ن _د في 'في 'نۍ 'نۍ 'نۍ '	⁶ , ⁶ , ⁶ , ⁶ , ¹	5° 2, 1° 2, 8° 3, 0°
Coefficient of Dispersion	30.56%			Ratio	0 Evenented	
Standard Deviation	38.84%			Observed —	Expected	
Coefficient of Variation	40.30%	PRB		Complia	nce Checks:	
Price-related Differential	1.07	-0.0209	Level:			
RELIABILITY	(T-Score: -2.30	MEDI	AN 90% Confider	nce Interval:	PASSED
90% Confidence Intervals:	Lower	Upper	MEDI	AN 80% Confider	nce Interval:	PASSED
Around the Mean	94.25%	98.48%	Uniformity:	COD Stan	dards met?	NO
BINOM - Around the Median	90.04%	93.74%		COD:	Very Poor	
Around the Weighted Mean	88.00%	91.37%		COV:	Very Poor	
Around the COD	29.50%	33.40%		PRD:	Favors High Priced	I
Probability True Mean 90-110	Approx.1	00%				
80% Confidence Intervals:	Lower	Upper		COM	IMENTS:	
Around the Mean	94.72%	98.01%				
BINOM - Around the Median	90.47%	93.44%				
Around the Weighted Mean	88.37%	91.00%				
NORMALITY Test Results:	Non-Normal					
Chi Square Test	Non-Normal					
Binomial Test	N/A		0			
			Second	dary Category(I	es) with sales	
Mann-wnitney lest	-3.4237	Lount 151	Category	Description Manufactured Lieu	co (16)	
D'Agostino Boarson	Non Normal	151	40	Manufactured Hou	se (40)	
Shapiro-Wilk W	N/A	704	05	wilg. House (05) of	I Leaseu Lanu	
Kurtosis $(2.5 - 4) = 5.62$	Not Trimmed?					
Skew $(-0.5 - 1) = 1.19$	Possible Outliers					
COD Standard	Maximum					
Manufactured Housing	20.00%					
			0000		<u>COV/C</u>	
		April 2	2, 2020		Expected	125%
		STC	Staff		Observed	132%
					Maybe a Non-Repres	sentatice Sample

<u>County</u>	Sales Count	<u>Total Assessed</u> <u>Value (\$)</u>	<u>Total Sales Price</u> or Value (\$)	<u>Mean</u> Ratio	<u>Median</u> <u>Ratio</u>	<u>Geometric</u> <u>Mean Ratio</u>	<u>Weighted</u> <u>Mean Ratio</u>	<u>Price</u> <u>Related</u> <u>Differential</u>	Coefficient of Dispersion (COD)	Coefficient of Variation (COV)	Probability of 90/110% Actual Mean
ADA	37	14,328,100	15,867,621	93.20%	93.71%	89.68%	90.30%	1.03	22.91%	28.12%	77.03%
ADAMS											
BANNOCK	5	903,750	1,311,900	87.76%	95.05%	82.73%	68.89%	1.27	26.28%	36.10%	34.50%
BEARLAKE		,	, , , , , , , , , , , , , , , , , , ,								
BENEWAH											
BINGHAM											
BLAINE	9	3,109,460	4.249.217	71.88%	88.99%	57.46%	73.18%	0.98	32.23%	55.47%	9.46%
BOISE			, -,								
BONNER	5	531,592	1.035.985	70.99%	57.93%	63.98%	51.31%	1.38	51.29%	51.07%	11.62%
BONNEVILLE	10	1.379.053	1,650,900	91.30%	78.51%	83.17%	83.53%	1.09	41.91%	51.09%	41.58%
BOUNDARY		.,,	.,,								
BUTTE											
CAMAS											
CANYON	29	11 340 520	12 546 501	89.01%	85 48%	86.99%	90.39%	0.98	17.53%	20.85%	38 77%
CARIBOU	20	11,010,020	12,010,001	00.0170	00.1070	00.0070	00.0070	0.00	11.0070	20.0070	00.1170
CASSIA											
CLARK											
CUSTER											
FLMORE											
FRANKLIN											
FREMONT											
GEM	5	191 446	319 000	64 73%	60.63%	61.67%	60.01%	1.08	27 31%	36 73%	3 17%
GOODING	0	101,440	010,000	04.7070	00.0070	01.0770	00.0170	1.00	27.0170	00.7070	0.1770
IEEEERSON											
	12	17 216 636	22 589 562	86 74%	88 47%	84.52%	76.22%	1 1/	15 38%	22.33%	13 70%
ΙΔΤΔΗ	72	17,210,000	22,000,002	00.7470	00.4770	04.5270	10.2270	1.14	10.0070	22.0070	13.7370
MINIDOKA											
	5	683 563	719 500	98 51%	99.05%	95 59%	95.01%	1.04	18.22%	26.96%	54.87%
	5	000,000	113,000	30.5170	33.0370	33.3370	33.0170	1.04	10.2270	20.3070	04.0770
TETON											
	12	3 06/ 86/	1 607 018	66 61%	60.63%	61.49%	65.25%	1.02	38.67%	40.23%	0.57%
	12	3,004,004	4,037,010	00.0170	00.0370	01.4370	00.2070	1.02	50.0770	40.2370	0.5770
						1	1	1			
STATEWIDE	159	52,748,984	64,987,204	85.80%	88.27%	80.94%	81.17%	1.06	23.36%	31.75%	2.56%

<u>County</u>	Mean Lower Confidence Interval (90%)	Mean Upper Confidence Interval (90%)	Median Lower Confidence Interval (90%)	<u>Median</u> <u>Upper</u> <u>Confidence</u> Interval (90%)	<u>Weighted</u> <u>Mean Lower</u> <u>Confidence</u> Interval (90%)	<u>Weighted</u> <u>Mean Upper</u> <u>Confidence</u> Interval (90%)	Distribution	<u>Average Sale</u> <u>Price or</u> <u>Value (\$)</u>	<u>PRB</u>	Lower 95% CI on PRB	Upper 95% CI on PRB
ADA	86.11%	100.28%	77.55%	102.32%	79.20%	101.39%	Normal	428,855	0.0086	-0.0587	0.0758
ADAMS								,			
BANNOCK	57.55%	117.98%	50.97%	117.50%	48.36%	89.42%	Normal	262.380	-0.1506	-0.4390	0.1379
BEARLAKE								,			
BENEWAH											
BINGHAM											
BLAINE	47 16%	96.61%	23 43%	97 29%	44 43%	101 92%	Normal	472 135	-0 0192	-0 2596	0 2212
BOISE			2011070	0112070				,	0.0.02	0.2000	0.22.12
BONNER	36 42%	105.56%	36.97%	119.06%	25.94%	76 69%	Normal	207 197	-0 4725	-1 2643	0.3194
BONNEVILLE	64 26%	118 34%	54 24%	115.00%	70.29%	96 78%	Non-Normal	165,090	-0.0209	-0 4112	0.3693
BOUNDARY	04.2070	110.0470	04.2470	110.4776	10.2070	00.1070	Non Nonnai	100,000	0.0200	0.4112	0.0000
BUTTE											
CAMAS											
	83 15%	94.87%	82 47%	98 19%	81 95%	98.82%	Normal	432 638	0.0070	-0 0457	0.0598
CARIBOLI	00.1070	04.0770	02.4770	00.1070	01.0070	00.0270	Normai	402,000	0.0070	0.0407	0.0000
CASSIA											
CUSTER											
FLMORE											
FRANKLIN											
FREMONT											
GEM	42.06%	87 39%	43.60%	99 33%	34.81%	85.22%	Normal	63 800	0.0258	-0 6658	0 7173
	42.0070	07.5570	40.0070	33.3370	54.0170	00.2270	Normai	00,000	0.0230	-0.0000	0.7175
IEFERSON											
IFROME											
	81.83%	91.66%	85.94%	90.00%	67 36%	85.07%	Normal	537 847	-0.0555	-0.0973	-0.0138
	01.0070	31.0070	00.0470	30.0070	07.3070	00.0770	Normai	337,047	-0.0000	-0.0373	-0.0130
LEWIS											
MADISON											
MINIDOKA				-							
NEZPERCE	73 19%	123 84%	66 61%	132 92%	81.57%	108 45%	Normal	143 900	0.0380	-0 1671	0 2430
	10.1070	120.0170	00.0170	102.0270	01.0170	100.1070	Horman	110,000	0.0000	0.1071	0.2100
OWYHEE				-							
PAYETTE											
POWER											
SHOSHONE											
TETON											
TWINFALLS	52 72%	80.51%	42 74%	96 48%	52 42%	78.08%	Normal	391 418	0.0533	-0 2033	0 3099
VALLEY	02.72,0	00.01/0	12.7170	00.1070	02.12,0	10.0070	Horman	001,110	0.0000	0.2000	0.0000
WASHINGTON											
	I	1	1		1	1		· · · · · · · · · · · · · · · · · · ·			
STATEWIDE	82.24%	89.35%	84.13%	90.97%	76.05%	86.29%	Non-Normal	408,725	-0.0019	-0.0154	0.0115

- vacant Commercial Properti

Vacant Con		mercial	Combined	l Categories	Observed Sales Dates:		
FINAL Study when	Using 2019 A	ssessed	Assessr	nent Date:	From:	То:	
Initialed and dated.	Value	s	01/0	1/2019	01/01/2018	01/03/2020	
Sales Price is/mav be	Sales Prices ad	iusted for tim	e at County		Selected Tim	e Period:	
Time Adjusted		Level	io at county		01/01/2017	01/31/2020	
SAMPLE STATIS					01/01/2017	01/31/2020	
Sample size (n)	159			Ratio Frequen	су		
Total Assessed Value	\$52,748,984	45		•	•		
Total Sales Price	\$64.987.204	40		_			
Mean Assessed Value	\$331,755	40		30 40			
Mean Sales Price	\$408,725	35 -					
Standard Deviation AV	\$493,080	E 30					
Standard Deviation SP	\$630,313	ino					
Median Assessed Value	\$162,950	Ŭ 25					
Median Sales Price	\$200,000	e 20 -					
ASSESSMENT LE	EVEL	s Sa					
Arithmetic Mean Ratio	85.80%	e ¹⁵		17			
Median Ratio	88.27%	1 0					
Weighted Mean Ratio	81.17%	◄ "`					
Geometric Mean Ratio	80.94%	5 -		7			
UNIFORMITY	45.400/	0				0 0 0 0	
Lowest Ratio	15.18%	60	10 30 30 CM	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	60 60 60 70 10 60 60 60 60 60 60 60 60 60 60 60 60 60	0 00 00 00	
Hignest Ratio	205.71%	0	0. 0. 0. 0. 0.	Rati	፣ እ፣ እ፣ ጊና ጊና ጊና ጊና D	\mathcal{V} , \mathcal{V} , \mathcal{Q} ,	
Coefficient of Dispersion	23.30%		I	Observed -	-Expected		
Standard Deviation	21.24%	DDD		Complia	nco Chocks		
	31.75%	PKB	Laurali	Complia	nce checks:		
Price-related Differential	1.06	-0.0019	Level:			B40055	
RELIABILITY	Lower	I-Score: -0.27		N 90% Confider	ice Interval:	PASSED	
50% confidence intervals.	Lower	opper				FAILED	
Around the Mean	82.24%	89.35%	Uniformity:	COD Stan	dards met?	NO	
BINOM - Around the Median	84.13%	90.97%		COD:	Somewhat Poor		
Around the Weighted Mean	76.05%	86.29%		COV:	Poor		
Around the COD				BBB.			
	21.70%	28.10%		PRD:	Favors High Priced		
Probability True Mean 90-110	21.70% 2.56%	28.10%		PRD:	Favors High Priced		
Probability True Mean 90-110 80% Confidence Intervals:	21.70% 2.56% Lower	28.10%		COM	Favors High Priced		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean	21.70% 2.56% Lower 83.03%	28.10% Upper 88.57%		COM	Havors High Priced		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median	21.70% 2.56% Lower 83.03% 85.11% 77.49%	28.10% Upper 88.57% 89.99% 25.40%		COM	Favors High Priced		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean	21.70% 2.56% Lower 83.03% 85.11% 77.18%	28.10% Upper 88.57% 89.99% 85.16%		COM	Favors High Priced		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results:	21.70% 2.56% Lower 83.03% 85.11% 77.18% Non-Normal Non-Normal	28.10% Upper 88.57% 89.99% 85.16%		COM	Havors High Priced		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test	21.70% 2.56% Lower 83.03% 85.11% 77.18% Non-Normal Non-Normal N/A	28.10% Upper 88.57% 89.99% 85.16%		COM	Havors High Priced		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test	21.70% 2.569 Lower 83.03% 85.11% 77.18% Non-Normal Non-Normal N/A	28.10% Upper 88.57% 89.99% 85.16%	Second	COM	Havors High Priced		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test	21.70% 2.569 2.569 83.03% 85.11% 77.18% Non-Normal Non-Normal N/A -2.0551	28.10% Upper 88.57% 89.99% 85.16% Count	Second	COM COM ary Category(i Description	MENTS: MENTS: es) with sales		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine	21.70% 2.569 2.569 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity	28.10% Upper 88.57% 89.99% 85.16% <u>Count</u> 2	Second <u>Category</u> 13	COM ary Category(i Description Unimproved Rural	MENTS: es) with sales Com Tract		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson	21.70% 2.56% Lower 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal	28.10% Upper 88.57% 89.99% 85.16% <u>Count</u> 2 3	Second <u>Category</u> 13 16	COM ary Category(i Description Unimproved Rural Unimproved Rural	MENTS: es) with sales Com Tract Com Sub		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W	21.70% 2.56% Lower 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A	28.10% Upper 88.57% 89.99% 85.16% <u>Count</u> 2 3 6	Second <u>Category</u> 13 16 17	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Rural	Eavors High Priced MENTS: es) with sales Com Tract Com Sub Ind Sub Lot/Acre		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73	21.70% 2.569 2.569 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed?	28.10% Upper 88.57% 89.99% 85.16% <u>Count</u> 2 3 6 130	Second <u>Category</u> 13 16 17 21	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Rural Unimproved Rural	es) with sales Com Tract Com Sub Ind Sub Lot/Acre		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38	21.70% 2.569 2.569 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable	28.10% Upper 88.57% 89.99% 85.16% <u>Count</u> 2 3 6 130 18	Second <u>Category</u> 13 16 17 21 22	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	es) with sales Com Tract Com Sub Ind Sub Lot/Acre Ind Lot/Acre		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 COD Standard	21.70% 2.569 2.569 2.569 2.569 83.03% 85.11% 77.18% Non-Normal N/A Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u>	28.10% Upper 88.57% 89.99% 85.16% Count 2 3 6 130 18	Second <u>Category</u> 13 16 17 21 22	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Avors High Priced MENTS: es) with sales com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 COD Standard Vacant Commercial	21.70% 2.56% <i>Lower</i> 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	28.10% Upper 88.57% 89.99% 85.16% <u>Count</u> 2 3 6 130 18	Second <u>Category</u> 13 16 17 21 22	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Avors High Priced MENTS: es) with sales es) with sales Com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 <u>COD Standard</u> Vacant Commercial	21.70% 2.56% <i>Lower</i> 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	28.10% Upper 88.57% 89.99% 85.16% Count 2 3 6 130 18	Second <u>Category</u> 13 16 17 21 22	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Avors High Priced MENTS: es) with sales com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 COD Standard Vacant Commercial	21.70% 2.56% <i>Lower</i> 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	28.10% Upper 88.57% 89.99% 85.16% Count 2 3 6 130 18	Second <u>Category</u> 13 16 17 21 22	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Avors High Priced MENTS: es) with sales Com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 COD Standard Vacant Commercial	21.70% 2.56% <i>Lower</i> 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	28.10% Upper 88.57% 89.99% 85.16% Count 2 3 6 130 18	Second <u>Category</u> 13 16 17 21 22	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Avors High Priced MENTS: es) with sales Com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre		
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 <u>COD Standard</u> Vacant Commercial	21.70% 2.569 <i>Lower</i> 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	28.10% Upper 88.57% 89.99% 85.16% <u>Count</u> 2 3 6 130 18	Second <u>Category</u> 13 16 17 21 22	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Eavors High Priced MENTS: es) with sales Com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre		
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Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 <u>COD Standard</u> Vacant Commercial	21.70% 2.569 <i>Lower</i> 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	28.10% Upper 88.57% 89.99% 85.16% Count 2 3 6 130 18 March 2	Second <u>Category</u> 13 16 17 21 22 22	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Eavors High Priced MENTS: es) with sales Com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre Ind Lot/Acre	<u>OD</u> 125%	
Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 <u>COD Standard</u> Vacant Commercial	21.70% 2.569 <i>Lower</i> 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	28.10% Upper 88.57% 89.99% 85.16% Count 2 3 6 130 18 March 2 STC	Second <u>Category</u> 13 16 17 21 22 24, 2020 Staff	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Eavors High Priced MENTS: es) with sales Com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre Ind Lot/Acre	<u>OD</u> 125% 136%	
Probability True Mean 90-110 80% Confidence Intervals: Around the Meaian BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Ine D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 4.73 Skew (-0.5 - 1) = 0.38 <u>COD Standard</u> Vacant Commercial	21.70% 2.569 <i>Lower</i> 83.03% 85.11% 77.18% Non-Normal N/A -2.0551 quity Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	28.10% Upper 88.57% 89.99% 85.16% Count 2 3 6 130 18 March 2 STC	Second <u>Category</u> 13 16 17 21 22 22 24, 2020 Staff	COM ary Category(i Description Unimproved Rural Unimproved Rural Unimproved Urbar Unimproved Urbar	Favors High Priced MENTS: es) with sales Com Tract Com Sub Ind Sub Lot/Acre Com Lot/Acre Ind Lot/Acre Ind Lot/Acre Com Lot/Acre Observed Maybe a Non-Repres	OD 125% 136% entatice Sample	

<u>County</u>	Sales Count	<u>Total Assessed</u> <u>Value (\$)</u>	<u>Total Sales Price</u> or Value (\$)	<u>Mean</u> Ratio	<u>Median</u> <u>Ratio</u>	<u>Geometric</u> <u>Mean Ratio</u>	<u>Weighted</u> <u>Mean Ratio</u>	<u>Price</u> <u>Related</u> <u>Differential</u>	Coefficient of Dispersion (COD)	Coefficient of Variation (COV)	Probability of 90/110% Actual Mean
ADA	148	123,119,400	133,536,323	94.01%	95.28%	91.81%	92.20%	1.02	15.36%	21.27%	99.27%
ADAMS											
BANNOCK	42	10,603,240	11,960,800	95.30%	93.96%	90.77%	88.65%	1.08	22.62%	30.95%	87.65%
BEARLAKE											
BENEWAH											
BINGHAM	5	1,012,600	1,065,000	103.73%	87.57%	101.01%	95.08%	1.09	23.21%	26.31%	52.04%
BLAINE	35	18,407,517	23,276,161	85.45%	88.10%	83.02%	79.08%	1.08	17.30%	23.14%	8.53%
BOISE	11	3.982.403	4.322.000	98.62%	93.34%	94.81%	92.14%	1.07	24.16%	29.67%	71.11%
BONNER	8	3,022,015	2,827,000	104.69%	104.72%	96.22%	106.90%	0.98	30.31%	38.94%	46.71%
BONNEVILLE	39	15.606.213	17.552.834	87.45%	85.24%	85.10%	88.91%	0.98	19.74%	23.89%	22.06%
BOUNDARY		- ,	,,								
BUTTE											
CAMAS											
CANYON	90	68.691.190	79.449.702	92.34%	95.11%	89.56%	86.46%	1.07	17.72%	24.21%	83.89%
CARIBOU		,,	-, -, -					-			
CASSIA	5	918,694	820,999	112.48%	105.91%	110.70%	111.90%	1.01	13.89%	21.17%	36.21%
CLARK		,	,								
CLEARWATER	6	551,226	765,000	77.34%	71.77%	75.85%	72.06%	1.07	18.64%	22.16%	6.25%
CUSTER	7	532,950	724.808	78.43%	70.38%	75.30%	73.53%	1.07	27.17%	31.82%	12.53%
ELMORE	5	521,101	662,500	100.57%	104.31%	94.73%	78.66%	1.28	20.92%	33.11%	46.06%
FRANKLIN		,	,								
FREMONT	6	621,850	1,202,500	66.12%	66.67%	59.87%	51.71%	1.28	41.27%	46.21%	4.85%
GEM	10	3,589,283	5,420,000	80.47%	74.87%	77.35%	66.22%	1.22	25.52%	31.59%	13.05%
GOODING	9	1,220,770	1,317,625	96.66%	86.93%	93.51%	92.65%	1.04	24.25%	29.12%	65.46%
IDAHO	5	953,369	985,675	105.40%	100.08%	95.72%	96.72%	1.09	37.68%	51.07%	29.23%
JEFFERSON											
JEROME	7	818,939	688,173	113.39%	128.50%	100.08%	119.00%	0.95	31.51%	46.44%	29.29%
KOOTENAI	176	110,781,050	127,511,958	90.46%	91.68%	89.48%	86.88%	1.04	11.22%	14.35%	67.72%
LATAH	14	4,503,230	6,138,150	76.73%	76.21%	74.42%	73.36%	1.05	18.44%	25.78%	1.30%
LEMHI	6	935,139	1,064,000	102.28%	94.09%	94.34%	87.89%	1.16	34.14%	42.40%	39.99%
LEWIS											
LINCOLN											
MADISON	11	7,625,010	8,243,000	92.47%	92.17%	91.09%	92.50%	1.00	13.76%	18.36%	67.71%
MINIDOKA	11	1,654,660	2,373,500	81.05%	84.14%	78.95%	69.71%	1.16	18.91%	23.51%	7.50%
NEZPERCE	16	7,380,978	7,982,500	93.41%	95.02%	92.40%	92.46%	1.01	10.18%	14.41%	83.62%
ONEIDA											
OWYHEE	8	533,521	721,500	73.37%	79.01%	69.33%	73.95%	0.99	26.06%	33.71%	4.75%
PAYETTE	13	1,800,076	2,772,800	81.65%	72.47%	74.72%	64.92%	1.26	39.22%	46.66%	21.24%
POWER											
SHOSHONE	9	1,040,772	1,158,450	88.98%	83.92%	87.77%	89.84%	0.99	16.16%	17.56%	42.27%
TETON											
TWINFALLS	37	9,463,481	11,596,168	85.01%	85.58%	81.51%	81.61%	1.04	23.16%	28.53%	10.38%
VALLEY	8	2,161,850	3,076,365	76.22%	80.67%	73.46%	70.27%	1.08	20.99%	27.66%	5.22%
WASHINGTON	8	712,982	831,000	120.80%	92.59%	106.55%	85.80%	1.41	60.84%	53.42%	21.56%
STATEWIDE	755	402,765,509	460,046,492	91.02%	91.42%	88.00%	87.55%	1.04	18.64%	25.91%	88.30%

County	Mean Lower Confidence Interval (90%)	Mean Upper Confidence Interval (90%)	Median Lower Confidence Interval (90%)	<u>Median</u> <u>Upper</u> <u>Confidence</u> Interval (90%)	Weighted Mean Lower Confidence Interval (90%)	<u>Weighted</u> <u>Mean Upper</u> <u>Confidence</u> Interval (90%)	Distribution	<u>Average Sale</u> <u>Price or</u> <u>Value (\$)</u>	PRB	Lower 95% CI on PRB	Upper 95% CI on PRB
ADA	91.31%	96.72%	91.71%	97.79%	89.07%	95.33%	Normal	902,272	0.0053	-0.0184	0.0291
ADAMS											
BANNOCK	87.81%	102.79%	89.20%	98.64%	77.86%	99.44%	Normal	284,781	-0.0104	-0.1176	0.0968
BEARLAKE											
BENEWAH											
BINGHAM	77.71%	129.76%	82.37%	137.74%	72.61%	117.55%	Normal	213,000	-0.0599	-0.4719	0.3522
BLAINE	79.95%	90.95%	78.74%	93.90%	72.63%	85.54%	Normal	665,033	-0.0219	-0.0701	0.0262
BOISE	82.63%	114.61%	82.73%	113.51%	80.86%	103.42%	Normal	392,909	0.0438	-0.1020	0.1896
BONNER	77.38%	132.01%	76.66%	139.96%	66.07%	147.73%	Normal	353,375	0.1042	-0.1468	0.3551
BONNEVILLE	81.95%	92.95%	77.65%	95.86%	82.72%	95.10%	Normal	450,073	0.0448	-0.0153	0.1049
BOUNDARY											
BUTTE											
CAMAS											
CANYON	88.46%	96.21%	87.81%	97.18%	80.82%	92.10%	Normal	882,774	-0.0146	-0.0424	0.0132
CARIBOU											
CASSIA	89.78%	135.18%	94.16%	148.20%	89.99%	133.80%	Normal	164,200	0.0810	-0.3325	0.4945
CLARK											
CLEARWATER	63.24%	91.44%	62.23%	99.29%	56.70%	87.41%	Normal	127,500	-0.0589	-0.3676	0.2498
CUSTER	60.10%	96.76%	56.04%	106.11%	62.24%	84.82%	Normal	103,544	-0.1021	-0.4385	0.2343
ELMORE	68.82%	132.32%	52.87%	133.60%	35.83%	121.49%	Normal	132,500	-0.3140	-0.5238	-0.1043
FRANKLIN											
FREMONT	40.99%	91.26%	35.27%	96.61%	22.51%	80.92%	Normal	200,417	-0.1446	-0.4217	0.1326
GEM	65.73%	95.21%	61.13%	91.36%	59.21%	73.24%	Normal	542,000	-0.0377	-0.1984	0.1231
GOODING	79.21%	114.12%	74.16%	114.63%	79.35%	105.95%	Normal	146,403	0.0052	-0.3531	0.3634
IDAHO	54.08%	156.72%	58.44%	182.65%	59.12%	134.33%	Normal	197,135	0.0175	-1.1588	1.1939
JEFFERSON											
JEROME	74.71%	152.06%	56.76%	167.20%	83.37%	154.63%	Normal	98,310	0.1299	-0.2387	0.4984
KOOTENAI	88.85%	92.07%	89.90%	93.36%	81.81%	91.94%	Normal	724,500	-0.0063	-0.0196	0.0070
LATAH	67.37%	86.09%	63.89%	81.72%	59.81%	86.92%	Normal	438,439	0.0351	-0.1201	0.1904
LEMHI	66.61%	137.95%	56.73%	155.80%	57.89%	117.89%	Normal	177,333	-0.5725	-1.3950	0.2501
LEWIS											
LINCOLN											
MADISON	83.20%	101.75%	82.85%	102.29%	85.40%	99.60%	Normal	749,364	0.0134	-0.0920	0.1188
MINIDOKA	70.65%	91.46%	65.08%	95.24%	58.46%	80.97%	Normal	215,773	-0.0551	-0.1620	0.0517
NEZPERCE	87.51%	99.31%	92.43%	99.94%	84.02%	100.91%	Normal	498,906	-0.0078	-0.0864	0.0707
ONEIDA	50.000/	00.040/	40.070/		50.400/	0.4.770/		00.400	0.4400	0.0475	0.5000
OWYHEE	56.80%	89.94%	46.87%	92.23%	56.12%	91.77%	Normal	90,188	0.1462	-0.2475	0.5398
PAYETTE	62.82%	100.48%	58.96%	99.01%	49.27%	80.57%	Non-Normal	213,292	-0.1956	-0.4771	0.0859
POWER	70.000/	00.000/	74 570/	104 1001	70.000/	00 700/		400 - 40	0.0000	0 100-	0.0445
SHUSHONE	/9.29%	98.66%	/4.57%	101.18%	79.90%	99.78%	Normal	128,717	0.0923	-0.1602	0.3448
	70.450/	04.57%	70.50%	00 77%	0.1.000/	00.50%		040.440	0.0070	0.0075	0.4400
	/8.45%	91.57%	/2.58%	92.77%	64.69%	98.52%	Normal	313,410	0.0376	-0.0375	0.1128
VALLEY	62.10%	90.35%	51.69%	90.29%	55.68%	84.87%	Normal	384,546	-0.0838	-0.3694	0.2017
WASHINGTON	77.56%	164.04%	66.23%	191.74%	68.75%	102.84%	Normal	103,875	-0.2817	-0.5952	0.0318
STATEWIDE	89.61%	92.44%	90.43%	92.84%	85.41%	89.69%	Non-Normal	609,333	-0.0023	-0.0076	0.0029

	Improved Co	mmercial	Combine	d Categories	Observed Sales Dates:		
FINAL Study when	Using 2019 A	ssessed	Assess	ment Date:	From:	To:	
Initialed and dated.	Value	S	01/	01/2019	01/01/2018	12/03/2019	
Sales Price is/may be	Sales Prices ad	liusted for tim	e at Countv		Selected Time Period:		
Time Adjusted		Level			01/01/2017	12/31/2019	
SAMPLE STATIS	TICS				01/01/2011	12/01/2010	
Sample size (n)	755			Ratio Frequen	cy		
Total Assessed Value	\$402,765,509	300					
Total Sales Price	\$460,046,492			_			
Mean Assessed Value	\$533,464	250 -		266			
Mean Sales Price	\$609,333						
Standard Deviation AV	\$838,123	ti 200 -					
Standard Deviation SP	\$1,017,011	, jo					
Median Assessed Value	\$265,814	ທ 150 -		169			
	\$300,000	ale					
ASSESSMENT L	91.02%	S		117			
Median Ratio	91 42%	tra l					
Weighted Mean Ratio	87.55%	AC PC		85			
Geometric Mean Ratio	88.00%	50 1	47		\mathbf{N}		
UNIFORMITY	(0	0 0 14	26 13	7640100	0 0 0 0	
Lowest Ratio	32.34%	-0					
Highest Ratio	217.00%	0,00	0,0,0,0,0,0,0	· · · · · · · · · · · · · · · · · · ·	\tilde{P}^{2} \sim \tilde{P}	°↓ [™] ↓ [№] [™] [™]	
Coefficient of Dispersion	18.64%				Expected		
Standard Deviation	23.59%						
Coefficient of Variation	25.91%	PRB		Complia	nce Checks:		
Price-related Differential	1.04	-0.0023	<u>Level:</u>				
RELIABILITY		T-Score: -0.87	MEDI	AN 90% Confider	ice Interval:	PASSED	
90% Confidence Intervals:	Lower	Upper	MEDI	AN 80% Confider	ice Interval:	PASSED	
Around the Mean	80.61% I	02 4 4 0/	Iniformity	COD Stan	darda mat?	VES	
Around the Mean	03.0170	92.44%	onnornity.	COD Stan		120	
BINOM - Around the Median	90.43%	92.84%	onnornity.	COD Stan	Good	120	
BINOM - Around the Median Around the Weighted Mean	90.43% 85.41%	92.44% 92.84% 89.69%	<u>onnonnty</u> .	COD: COV:	Good Somewhat Poor	120	
BINOM - Around the Median Around the Weighted Mean Around the COD	90.43% 85.41% 17.67%	92.44% 92.84% 89.69% 20.25%	onnornity.	COD Stan COD: COV: PRD:	Good Somewhat Poor Favors High Priced	120	
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110	90.43% 85.41% 17.67% 88.30°	92.44% 92.84% 89.69% 20.25%		COD Stan COD: COV: PRD:	Good Somewhat Poor Favors High Priced		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals:	90.43% 85.41% 17.67% 88.30° Lower	92.44% 92.84% 89.69% 20.25% Upper		COD: COV: PRD: COM	Good Somewhat Poor Favors High Priced		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean	90.43% 90.43% 85.41% 17.67% 88.30° <i>Lower</i> 89.92%	92.44% 92.84% 89.69% 20.25% % Upper 92.12%		COD: COV: PRD: COM	Good Somewhat Poor Favors High Priced MENTS:		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median	90.43% 90.43% 85.41% 17.67% 88.30° <i>Lower</i> 89.92% 90.64%	92.44% 92.84% 89.69% 20.25% % Upper 92.12% 92.36%		COD: COV: PRD: COM	Good Somewhat Poor Favors High Priced MENTS:		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean	90.43% 90.43% 85.41% 17.67% 88.30° <i>Lower</i> 89.92% 90.64% 85.88%	92.44% 92.84% 89.69% 20.25% W 92.12% 92.36% 89.21%		COD: COV: PRD: COM	Good Somewhat Poor Favors High Priced MENTS:		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test	90.43% 90.43% 85.41% 17.67% 88.30° <i>Lower</i> 89.92% 90.64% 85.88% Non-Normal	92.44% 92.84% 89.69% 20.25% % Upper 92.12% 92.36% 89.21%		COD: COV: PRD: COM	Good Somewhat Poor Favors High Priced MENTS:		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test	90.43% 90.43% 85.41% 17.67% 88.30° <i>Lower</i> 89.92% 90.64% 85.88% Non-Normal Non-Normal N/A	92.44% 92.84% 89.69% 20.25% % Upper 92.12% 92.36% 89.21%		COD: COV: PRD: COM	Good Somewhat Poor Favors High Priced MENTS:		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test	90.43% 85.41% 17.67% 88.30° Lower 89.92% 90.64% 85.88% Non-Normal Non-Normal N/A	92.44% 92.84% 89.69% 20.25% % Upper 92.12% 92.36% 89.21%	Secon	COD: COV: PRD: COM	Good Somewhat Poor Favors High Priced MENTS:		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test	90.43% 90.43% 85.41% 17.67% 88.30° Lower 89.92% 90.64% 85.88% Non-Normal Non-Normal N/A -0.6870	92.44% 92.84% 89.69% 20.25% % 92.12% 92.36% 89.21% Count	Secon	COD: COV: PRD: COM	Good Somewhat Poor Favors High Priced MENTS: es) with sales		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Inequity CAN	90.43% 90.43% 85.41% 17.67% 88.30° <i>Lower</i> 89.92% 90.64% 85.88% Non-Normal N/A -0.6870 NOT be proven	92.44% 92.84% 89.69% 20.25% % 92.12% 92.36% 89.21% 89.21%	Secon <u>Category</u> 27	COD: COV: PRD: COM COM COM COM COM COM COM Com Condominiun	Good Somewhat Poor Favors High Priced MENTS: es) with sales		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Inequity CAN D'Agostino-Pearson	90.43% 90.43% 85.41% 17.67% 88.30° Lower 89.92% 90.64% 85.88% Non-Normal N/A -0.6870 NOT be proven Non-Normal	92.44% 92.84% 89.69% 20.25% % 92.12% 92.36% 89.21% 89.21% <u>Count</u> 50 25	Secon <u>Category</u> 27 1335	COD: COV: PRD: COM COM COM COM COM COM COM COM COM COM	Good Somewhat Poor Favors High Priced MENTS: es) with sales		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Inequity CAN D'Agostino-Pearson Shapiro-Wilk W	90.43% 90.43% 85.41% 17.67% 88.30° Lower 89.92% 90.64% 85.88% Non-Normal N/A -0.6870 NOT be proven Non-Normal N/A	92.44% 92.84% 89.69% 20.25% % 92.12% 92.36% 89.21% 89.21% <u>Count</u> 50 25 1	Secon <u>Category</u> 27 1335 1436	COD: COV: PRD: COM COM COM COM COM COM COM COM COM COM	Good Somewhat Poor Favors High Priced MENTS: es) with sales		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Inequity CAN D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 5.91	90.43% 90.43% 85.41% 17.67% 88.30° <i>Lower</i> 89.92% 90.64% 85.88% Non-Normal N/A NOT be proven Non-Normal N/A Not Trimmed?	92.44% 92.84% 89.69% 20.25% % 92.12% 92.36% 89.21% 89.21% <u>Count</u> 50 25 1 10	Secon <u>Category</u> 27 1335 1436 1638	COD: COV: PRD: COM COM COM COM COM COM COM COM COM COM	Good Somewhat Poor Favors High Priced MENTS: es) with sales sm Tract f Tract m Sub		
BINOM - Around the Median Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Inequity CAN D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 5.91 Skew (-0.5 - 1) = 0.84	90.43% 90.43% 85.41% 17.67% 88.30° <i>Lower</i> 89.92% 90.64% 85.88% Non-Normal N/A NOT be proven Non-Normal N/A Not Trimmed? Acceptable	92.44% 92.84% 89.69% 20.25% % 92.12% 92.36% 89.21% 89.21% <u>Count</u> 50 25 1 10 632	Secon <u>Category</u> 27 1335 1436 1638 2142	COD: COV: PRD: COV: PRD: COM COM COM COM COM COM COM COM COM COM	Good Somewhat Poor Favors High Priced MENTS: es) with sales us m Tract t Tract m Sub om		
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BINOM - Around the Median Around the Weighted Mean Around the Weighted Mean Probability True Mean 90-110 80% Confidence Intervals: Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Inequity CAN D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 5.91 Skew (-0.5 - 1) = 0.84 <u>COD Standard</u> Improved Commercial	90.43% 90.43% 85.41% 17.67% 88.30° Lower 89.92% 90.64% 85.88% Non-Normal N/A Non-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	92.44% 92.84% 89.69% 20.25% % 92.12% 92.36% 89.21% 89.21% <u>Count</u> 50 25 1 10 632 17 20	Second Category 27 1335 1436 1638 2142 2243 51	COD: COV: PRD: COV: PRD: COM COM COM COM COM COM COM COM COM COM	Good Somewhat Poor Favors High Priced MENTS: es) with sales m Tract d Tract m Sub om d upt Land		
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BINOM - Around the Median Around the Weighted Mean Around the Weighted Mean Around the COD Probability True Mean 90-110 80% Confidence Intervals: Around the Intervals: Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Inequity CAN D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 5.91 Skew (-0.5 - 1) = 0.84 COD Standard Improved Commercial	90.43% 90.43% 85.41% 17.67% 88.30° Lower 89.92% 90.64% 85.88% Non-Normal N/A Non-Normal N/A Not-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	92.44% 92.84% 89.69% 20.25% // 92.12% 92.36% 89.21% // 50 25 1 10 632 17 20	Secon <u>Category</u> 27 1335 1436 1638 2142 2243 51	COD: COV: PRD: COW PRD: COM Com Com Com Com Com Com Com Com Com Com	Good Somewhat Poor Favors High Priced MENTS: es) with sales as m Tract d Tract m Sub om d upt Land		
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BINOM - Around the Median Around the Weighted Mean Around the Weighted Mean Orobability True Mean 90-110 80% Confidence Intervals: Around the Mean BINOM - Around the Median Around the Weighted Mean NORMALITY Test Results: Chi Square Test Binomial Test Mann-Whitney Test Value Related Inequity CAN D'Agostino-Pearson Shapiro-Wilk W Kurtosis (2.5 - 4) = 5.91 Skew (-0.5 - 1) = 0.84 COD Standard Improved Commercial	90.43% 90.43% 85.41% 17.67% 88.30° Lower 89.92% 90.64% 85.88% Non-Normal N/A Non-Normal N/A Not-Normal N/A Not Trimmed? Acceptable <u>Maximum</u> 20.00%	92.44% 92.84% 89.69% 20.25% // 92.12% 92.36% 89.21% // 50 25 1 10 632 17 20 March 2 STC	Secon <u>Category</u> 27 1335 1436 1638 2142 2243 51 24, 2020 Staff	COD: COV: PRD: COM COM COM COM Com Condominium Improved Rural Coc Improved Rural Ind Improved Rural Coc Improved Rural Coc Improved Urban C Improved Urban C Improved Urban In Cml Imps on Exem	Good Somewhat Poor Favors High Priced MENTS: es) with sales m Tract d Tract m Sub om d upt Land <u>COV/CC</u> Expected Observed Maybe a Non-Barres	<u>OD</u> 125% 139%	