

| assessment_id   | sale_id | Vacant_Improved | ASR  |
|-----------------|---------|-----------------|------|
| 123-000301402   | 2403657 | Improved        | 2.09 |
| 123LA-505002950 | 2257375 | Improved        | 0.61 |
| 153PE-505001300 | 2313035 | Improved        | 1.00 |
| 244WI-505003625 | 2340703 | Improved        | 1.53 |
| 271-001313301   | 2225704 | Improved        | 0.49 |
| 277WI-404000550 | 1053314 | Improved        | 2.62 |
| 334-001403301   | 2193650 | Improved        | 0.55 |
| 334-001403301   | 2333069 | Improved        | 0.59 |
| 334LA-404001000 | 2384917 | Improved        | 0.84 |
| 336KU-101001500 | 2388897 | Improved        | 1.11 |
| 336MA-505002050 | 2431171 | Improved        | 0.99 |
| 337-000132201   | 2262106 | Improved        | 1.03 |
| 337HE-505000400 | 1539327 | Improved        | 1.52 |
| 337HE-505000400 | 2379345 | Improved        | 2.05 |
| 394-004029201   | 2413055 | Improved        | 0.65 |
| 394-005707102   | 1570762 | Improved        | 0.78 |
| 395CA-303001500 | 2454112 | Improved        | 1.60 |
| 395CA-303012200 | 2435386 | Improved        | 1.27 |
| BREDE-404001600 | 2354178 | Improved        | 1.00 |
| BREDE-404013850 | 2385437 | Improved        | 1.15 |
| BREDE-414039900 | 1553398 | Improved        | 0.73 |
| BUCHA-505003400 | 2303005 | Improved        | 0.64 |
| BUCHA-505014700 | 2217948 | Improved        | 2.53 |
| BUCHA-505020900 | 1500414 | Improved        | 1.06 |
| CALDE-505003400 | 2391134 | Improved        | 1.62 |
| CHURC-505000350 | 2078486 | Improved        | 1.76 |
| CHURC-505006050 | 2007348 | Improved        | 1.10 |
| CHURC-505007700 | 2184990 | Improved        | 0.32 |
| CHURC-505014450 | 2318453 | Improved        | 0.66 |
| CHURC-505021250 | 2306739 | Improved        | 0.75 |
| CHURC-505100650 | 2334636 | Improved        | 0.73 |
| CHURC-505100900 | 2216592 | Improved        | 0.91 |
| CHURC-505101300 | 2288976 | Improved        | 0.72 |
| FENWO-505012200 | 1508539 | Improved        | 0.98 |
| FLEMI-505025650 | 1525947 | Improved        | 1.01 |
| GRAYS-404000050 | 2377958 | Improved        | 0.84 |
| GRAYS-404001450 | 2253653 | Improved        | 1.60 |
| HYAS-505006750  | 2398123 | Improved        | 0.78 |
| HYAS-505006850  | 2098467 | Improved        | 3.55 |
| INVER-505000350 | 2382092 | Improved        | 1.21 |
| INVER-505004650 | 2079967 | Improved        | 1.43 |
| KELLI-505005200 | 2313861 | Improved        | 0.77 |
| LEMBE-505003300 | 2333266 | Improved        | 1.68 |
| LEMBE-505004450 | 2384356 | Improved        | 1.35 |
| LEMBE-505005500 | 2199344 | Improved        | 0.86 |
| LEROS-505003500 | 2263799 | Improved        | 1.45 |
| LEROY-505001000 | 2015309 | Improved        | 0.76 |
| LEROY-505002550 | 2304515 | Improved        | 1.98 |
| LEROY-505003450 | 2443125 | Improved        | 1.88 |
| LINTL-505004400 | 2434923 | Improved        | 0.51 |
| LINTL-505008500 | 2373472 | Improved        | 0.54 |
| NEUDO-505003200 | 2322980 | Improved        | 2.49 |

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|-----------------|---------|----------|------|
| NORQU-504900050 | 2248284 | Improved | 0.56 |
| NORQU-504900050 | 2342704 | Improved | 0.47 |
| NORQU-504900150 | 1536658 | Improved | 0.82 |
| NORQU-505001200 | 2080036 | Improved | 1.44 |
| PELLY-505000550 | 1571103 | Improved | 0.50 |
| PELLY-505000550 | 2182027 | Improved | 0.43 |
| PELLY-505000550 | 2312998 | Improved | 0.31 |
| QUILL-505000450 | 2003170 | Improved | 0.83 |
| QUILL-505001900 | 2371541 | Improved | 0.67 |
| RHEIN-505000050 | 1517320 | Improved | 1.03 |
| RHEIN-505000050 | 1567711 | Improved | 1.09 |
| RHEIN-505000050 | 2260266 | Improved | 1.79 |
| SALTC-505004900 | 2438024 | Improved | 4.32 |
| SALTC-515003250 | 2399656 | Improved | 1.78 |
| SHEHO-505002250 | 2339540 | Improved | 3.61 |
| SPRSI-505002000 | 2244602 | Improved | 1.75 |
| SPRSI-505002000 | 2304902 | Improved | 1.63 |
| SPYHI-505000500 | 2457145 | Improved | 0.84 |
| SPYHI-505002450 | 2239978 | Improved | 1.70 |
| SPYHI-505004050 | 2007347 | Improved | 0.60 |
| SPYHI-505006550 | 2339039 | Improved | 0.58 |
| SPYHI-505014000 | 2326610 | Improved | 1.00 |
| SPYHI-505014100 | 1576100 | Improved | 1.30 |
| STOCK-505001750 | 2303032 | Improved | 1.09 |
| STOCK-505003650 | 2346178 | Improved | 1.21 |
| STOCK-505017300 | 2293848 | Improved | 1.75 |
| THEOD-505002600 | 2082667 | Improved | 1.04 |
| THEOD-505002600 | 2434466 | Improved | 0.86 |
| THEOD-505002950 | 2443205 | Improved | 0.58 |
| THEOD-515018200 | 1523603 | Improved | 0.55 |
| THEOD-515018200 | 2302374 | Improved | 0.46 |
| TOGO-505002000  | 2394587 | Improved | 1.23 |
| WAPEL-505016900 | 2365208 | Improved | 0.43 |
| WAPEL-505024800 | 2433613 | Improved | 0.70 |
| WAPEL-505025250 | 2012076 | Improved | 0.70 |
| WAPEL-505025250 | 2445508 | Improved | 1.02 |
| WEEKE-505000350 | 2398628 | Improved | 1.14 |
| WEEKE-505011250 | 2381317 | Improved | 1.09 |
| 070KA-505012350 | 2440881 | Improved | 0.35 |
| 070KA-990100200 | 2414051 | Improved | 1.50 |
| 128-000403401   | 2299560 | Improved | 0.63 |
| 137SW-504505760 | 2451157 | Improved | 0.84 |
| 158GP-404028050 | 2245721 | Improved | 0.95 |
| 159SI-606005300 | 2360462 | Improved | 1.07 |
| 159SI-606020200 | 2327977 | Improved | 0.68 |
| 159SI-606100600 | 2307349 | Improved | 1.01 |
| 159SI-606109800 | 2387657 | Improved | 3.01 |
| 159WI-656503400 | 2412681 | Improved | 0.79 |
| 217-000226300   | 2405078 | Improved | 1.38 |
| 224LA-990000250 | 1554395 | Improved | 1.03 |
| 244-000404301   | 2395187 | Improved | 0.99 |
| 244-000414311   | 2229449 | Improved | 0.93 |
| 254-000813401   | 2315104 | Improved | 0.76 |

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|-----------------|---------|----------|------|
| 255-000415302   | 2239468 | Improved | 0.97 |
| 259-001027401   | 1512133 | Improved | 1.01 |
| 261-001815401   | 1512139 | Improved | 1.09 |
| 271-001406302   | 2336669 | Improved | 0.69 |
| 286-000122102   | 1512213 | Improved | 1.14 |
| 344-000505102   | 2446122 | Improved | 0.59 |
| 344-000819350   | 2188916 | Improved | 0.84 |
| 344-000819410   | 2353023 | Improved | 0.95 |
| 344-000819430   | 2340083 | Improved | 0.70 |
| 370CA-505006400 | 2287249 | Improved | 1.39 |
| 437-000325406   | 2232303 | Improved | 1.02 |
| 437-000629402   | 2074568 | Improved | 1.56 |
| 461LP-505019600 | 2443552 | Improved | 0.90 |
| 468CA-505000100 | 2459318 | Improved | 1.03 |
| 471-000233202   | 2115072 | Improved | 0.69 |
| 472-001531200   | 2359141 | Improved | 1.20 |
| 472-001636101   | 2363343 | Improved | 0.70 |
| 491-000416407   | 2398671 | Improved | 0.69 |
| 491GA-211918550 | 2101942 | Improved | 0.78 |
| BEECH-990001200 | 1514362 | Improved | 0.99 |
| CUTKN-990100300 | 2247820 | Improved | 0.56 |
| DEBDE-505043000 | 2231968 | Improved | 0.83 |
| DRINK-505019100 | 2230867 | Improved | 1.43 |
| HUMBO-495305300 | 2443553 | Improved | 0.79 |
| KINIS-505042500 | 2443556 | Improved | 1.32 |
| KINIS-515005000 | 2442675 | Improved | 1.37 |
| KYLE-505021620  | 2283336 | Improved | 0.61 |
| LAMP-505034000  | 2233464 | Improved | 0.99 |
| LINTL-505015200 | 1571328 | Improved | 3.56 |
| LUCKY-890005600 | 2288877 | Improved | 1.01 |
| LUSEL-515105000 | 2288575 | Improved | 0.98 |
| MELVI-485104550 | 2304684 | Improved | 1.60 |
| MOOSE-454800300 | 2209486 | Improved | 0.79 |
| MOOSE-455000200 | 2365382 | Improved | 1.38 |
| MOOSE-504933800 | 1200291 | Improved | 0.59 |
| MOOSE-505400150 | 1580927 | Improved | 2.32 |
| NBATT-303016400 | 2385046 | Improved | 1.51 |
| NBATT-535280700 | 2258900 | Improved | 1.23 |
| NBATT-535280850 | 2362069 | Improved | 1.77 |
| NBATT-545336200 | 42054   | Improved | 1.61 |
| PENNA-505009200 | 1574552 | Improved | 0.79 |
| PONTE-890102100 | 1552820 | Improved | 0.50 |
| RHEIN-505014000 | 1568590 | Improved | 0.21 |
| RICHM-505010300 | 2233002 | Improved | 0.88 |
| SHAUN-890100960 | 2327310 | Improved | 0.70 |
| SINTA-505022965 | 2459423 | Improved | 0.27 |
| SMILE-505007770 | 2302580 | Improved | 0.87 |
| STOUG-890100750 | 1575232 | Improved | 1.10 |
| WEYBU-514811000 | 2367772 | Improved | 2.94 |
| WILKI-890100210 | 2489884 | Improved | 1.80 |
| WOODM-505017000 | 2405740 | Improved | 1.67 |
| YORKT-505203000 | 1510385 | Improved | 1.44 |
| YORKT-505305000 | 2334143 | Improved | 0.85 |

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|-----------------|---------|----------|------|
| YOUNG-515011400 | 2244379 | Improved | 1.15 |
| ZEALA-505030000 | 2511334 | Improved | 0.99 |
| 307LE-404000500 | 2339746 | Vacant   | 1.35 |
| 246JA-505002000 | 2309357 | Vacant   | 1.26 |
| INVER-505011900 | 2339634 | Vacant   | 0.53 |
| INVER-505019950 | 2456032 | Vacant   | 0.32 |
| 336NU-303005100 | 2380183 | Vacant   | 0.66 |
| KELLI-505011900 | 2379051 | Vacant   | 0.56 |
| 152HA-505002900 | 2384273 | Vacant   | 1.24 |
| LINTL-505014900 | 2399531 | Vacant   | 0.69 |
| STENE-404003800 | 2339737 | Vacant   | 0.23 |
| 241WR-505013150 | 2357997 | Vacant   | 1.64 |
| 273VE-606004750 | 2318934 | Vacant   | 0.31 |
| BUCHA-505030850 | 2375905 | Vacant   | 0.66 |
| INVER-505024220 | 2395648 | Vacant   | 0.71 |
| KELLI-505012750 | 2326633 | Vacant   | 0.87 |
| 273VE-606011050 | 2346544 | Vacant   | 1.00 |
| BUCHA-505009050 | 2387774 | Vacant   | 0.93 |
| 337CL-505005000 | 2457703 | Vacant   | 1.67 |
| 245PA-505001350 | 2385735 | Vacant   | 0.41 |
| 307LE-404004500 | 2310555 | Vacant   | 2.40 |
| FENWO-505004300 | 2318357 | Vacant   | 2.52 |
| LINTL-505006200 | 2376917 | Vacant   | 0.52 |
| 247LE-504900500 | 2378968 | Vacant   | 2.54 |
| NORQU-504900650 | 2330711 | Vacant   | 1.25 |
| TOGO-505008100  | 2452941 | Vacant   | 0.60 |
| 123LA-505003400 | 2337267 | Vacant   | 0.31 |
| 337CL-505000200 | 2457702 | Vacant   | 1.04 |
| 307MO-505001250 | 2316963 | Vacant   | 1.10 |
| LINTL-505015100 | 2421542 | Vacant   | 0.34 |
| 246JA-505004650 | 2309358 | Vacant   | 0.60 |
| 336NU-303005050 | 2380182 | Vacant   | 0.66 |
| BUCHA-505015250 | 2331395 | Vacant   | 1.40 |
| 307LE-404004000 | 2351489 | Vacant   | 1.20 |
| 246JA-505000750 | 2309742 | Vacant   | 1.26 |
| 273VE-606006450 | 2457108 | Vacant   | 0.63 |
| 307LE-404000450 | 2339745 | Vacant   | 1.35 |
| TOGO-505009300  | 2431669 | Vacant   | 1.20 |
| 307LE-404000550 | 2339747 | Vacant   | 1.35 |
| BUCHA-505030600 | 2375904 | Vacant   | 0.46 |
| 307MO-505002050 | 2369549 | Vacant   | 2.40 |
| BUCHA-505017800 | 2387753 | Vacant   | 0.47 |
| 273MI-505001250 | 2341895 | Vacant   | 1.08 |
| 241WR-505013100 | 2353762 | Vacant   | 0.83 |
| MACNU-404010500 | 2436199 | Vacant   | 0.49 |
| NORQU-505001100 | 2376641 | Vacant   | 0.25 |
| 307LE-404004400 | 2310553 | Vacant   | 2.40 |
| 241WR-505009950 | 2368612 | Vacant   | 1.87 |
| TOGO-505009350  | 2437881 | Vacant   | 1.20 |
| PELLY-505027000 | 2326196 | Vacant   | 0.30 |
| 307LE-404001500 | 2314996 | Vacant   | 2.40 |
| KELLI-505011950 | 2379052 | Vacant   | 0.56 |
| 337CL-505005050 | 2457704 | Vacant   | 1.67 |

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|-----------------|---------|--------|------|
| 215BI-505002100 | 2453676 | Vacant | 0.90 |
| INVER-505010400 | 2332389 | Vacant | 0.34 |
| ELFRO-505009300 | 2412297 | Vacant | 0.24 |
| FENWO-505008200 | 2385873 | Vacant | 1.01 |
| 307LE-404004350 | 2310552 | Vacant | 2.40 |
| BUCHA-505000750 | 2329527 | Vacant | 0.35 |
| LINTL-505029400 | 2350424 | Vacant | 0.65 |
| LEROS-505001450 | 2404570 | Vacant | 0.42 |
| 307LE-404004450 | 2310554 | Vacant | 2.40 |
| INVER-505028000 | 2375443 | Vacant | 2.87 |
| 246JA-505000300 | 2309356 | Vacant | 1.42 |
| BUCHA-505007450 | 2350697 | Vacant | 0.51 |
| 307LE-404000600 | 2339748 | Vacant | 1.35 |
| 307MO-505003350 | 2435112 | Vacant | 1.87 |
| 307LE-404000400 | 2339744 | Vacant | 1.35 |
| 154MA-505000100 | 2309472 | Vacant | 0.23 |
| 307LE-404006800 | 2314999 | Vacant | 2.40 |
| 307LE-404005250 | 2310556 | Vacant | 0.84 |
| BUCHA-505023650 | 2328759 | Vacant | 0.92 |
| INVER-505008250 | 2433420 | Vacant | 0.48 |
| 244WI-505001500 | 2308209 | Vacant | 0.76 |
| LINTL-505030200 | 2402014 | Vacant | 1.47 |
| PELLY-505010650 | 2381362 | Vacant | 1.12 |
| 152HA-505003000 | 2384274 | Vacant | 1.20 |
| 307MO-505003900 | 2435113 | Vacant | 2.77 |
| 273VE-606007650 | 2315927 | Vacant | 0.50 |
| PUNNI-505010900 | 2324958 | Vacant | 0.56 |
| TOGO-505009250  | 2431668 | Vacant | 1.20 |
| INVER-505008150 | 2433419 | Vacant | 0.48 |
| PELLY-505010300 | 2321058 | Vacant | 1.82 |
| SHEHO-505001350 | 2404671 | Vacant | 0.61 |
| SHEHO-505007650 | 2346512 | Vacant | 0.90 |
| 123LA-505003300 | 2337266 | Vacant | 0.31 |
| KILLA-505004800 | 2454555 | Vacant | 0.41 |
| LINTL-505014050 | 2390211 | Vacant | 0.52 |