

| assessment_id   | sale_id | Vacant_Improved | ASR  |
|-----------------|---------|-----------------|------|
| 075ME-505005250 | 2226983 | Improved        | 1.10 |
| 078-000908201   | 2451156 | Improved        | 0.55 |
| 079-000402201   | 2446769 | Improved        | 1.10 |
| 108SI-505002550 | 2263782 | Improved        | 1.41 |
| 110PI-404014900 | 2264719 | Improved        | 1.21 |
| 137-000725400   | 2412005 | Improved        | 0.71 |
| 137-000923203   | 2414550 | Improved        | 0.80 |
| 139-000114301   | 2224014 | Improved        | 0.65 |
| 168-001217101   | 2078405 | Improved        | 0.49 |
| 168SU-505001200 | 2264243 | Improved        | 0.32 |
| 225-000825202   | 2402040 | Improved        | 1.16 |
| 229LA-505003650 | 2192230 | Improved        | 1.33 |
| 256-000828301   | 2256096 | Improved        | 1.46 |
| 260-000334401   | 2313107 | Improved        | 1.49 |
| 261-001723401   | 2231914 | Improved        | 0.63 |
| 290-000234301   | 2222727 | Improved        | 0.68 |
| 290-001108101   | 2332282 | Improved        | 1.00 |
| 290-001216102   | 2341556 | Improved        | 1.23 |
| 290-001216303   | 1530440 | Improved        | 0.49 |
| 290-001308101   | 1508181 | Improved        | 0.62 |
| 292AL-505012900 | 2353998 | Improved        | 1.06 |
| 292AL-505020006 | 2258546 | Improved        | 0.29 |
| ABBEY-505000850 | 2437748 | Improved        | 0.73 |
| BEAVE-505001850 | 2056280 | Improved        | 1.05 |
| BEECH-505000400 | 2050667 | Improved        | 0.91 |
| BROCK-505000200 | 2326635 | Improved        | 0.39 |
| BROCK-505010800 | 1560512 | Improved        | 0.68 |
| BROCK-505010800 | 2419936 | Improved        | 0.82 |
| BURST-505002500 | 1511668 | Improved        | 0.66 |
| BURST-505002500 | 2457598 | Improved        | 0.93 |
| BURST-505002600 | 2245439 | Improved        | 3.19 |
| BURST-505004950 | 2341452 | Improved        | 0.87 |
| BURST-505005100 | 2022509 | Improved        | 1.37 |
| BURST-505005750 | 2191117 | Improved        | 1.32 |
| BURST-505005800 | 2220171 | Improved        | 0.56 |
| CABRI-505003850 | 2007624 | Improved        | 0.80 |
| CABRI-505004050 | 1514700 | Improved        | 0.87 |
| CABRI-505004050 | 2378282 | Improved        | 1.27 |
| CABRI-505011600 | 1524664 | Improved        | 0.70 |
| CABRI-505028350 | 2053655 | Improved        | 0.51 |
| CADIL-505001100 | 2432769 | Improved        | 1.47 |
| CADIL-505001450 | 2383081 | Improved        | 0.65 |
| CADIL-505004500 | 2065265 | Improved        | 1.28 |
| CADIL-505004650 | 1507422 | Improved        | 0.94 |
| CADIL-505005550 | 2299836 | Improved        | 1.01 |
| CENTR-505000550 | 2197215 | Improved        | 1.10 |
| CENTR-505001700 | 1576897 | Improved        | 0.89 |
| CENTR-505001700 | 2212471 | Improved        | 3.78 |
| CENTR-505002900 | 2205497 | Improved        | 1.94 |
| CENTR-505005050 | 1511665 | Improved        | 0.91 |
| CENTR-505005050 | 2389930 | Improved        | 0.82 |
| CENTR-505015200 | 2383924 | Improved        | 0.69 |

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|-----------------|---------|----------|------|
| CENTR-505015300 | 2438880 | Improved | 0.66 |
| CENTR-505030400 | 2204390 | Improved | 1.59 |
| CHAPL-505010350 | 2199753 | Improved | 0.77 |
| CHAPL-505010850 | 2262821 | Improved | 0.55 |
| CHAPL-505012650 | 1542113 | Improved | 0.96 |
| CHAPL-505031250 | 2259392 | Improved | 0.98 |
| CHAPL-505031250 | 2316136 | Improved | 0.54 |
| CLIMA-505002750 | 2289570 | Improved | 1.07 |
| CLIMA-505004850 | 2395699 | Improved | 0.76 |
| CLIMA-505005050 | 2011085 | Improved | 1.50 |
| CONSU-505001550 | 2242734 | Improved | 0.66 |
| CONSU-505001600 | 2011113 | Improved | 1.49 |
| EATON-505001350 | 2204241 | Improved | 1.81 |
| EATON-505002000 | 1562043 | Improved | 1.28 |
| EATON-505002700 | 2196565 | Improved | 0.39 |
| EATON-990000650 | 2459321 | Improved | 0.45 |
| ELROS-505003650 | 2203712 | Improved | 0.88 |
| ELROS-505003950 | 2192245 | Improved | 3.22 |
| ELROS-505038500 | 2352804 | Improved | 0.32 |
| ERNFO-505020450 | 2234420 | Improved | 1.41 |
| ESTON-495007050 | 2233413 | Improved | 2.01 |
| ESTON-504914000 | 2345464 | Improved | 0.91 |
| ESTON-504914300 | 2233872 | Improved | 0.58 |
| ESTON-505000050 | 1534491 | Improved | 1.42 |
| ESTON-505001400 | 2318155 | Improved | 0.77 |
| ESTON-505001600 | 2437111 | Improved | 4.35 |
| ESTON-505002200 | 2233905 | Improved | 0.76 |
| ESTON-505002350 | 1523744 | Improved | 0.83 |
| ESTON-505067100 | 2430799 | Improved | 1.20 |
| FOXVA-505000600 | 2222034 | Improved | 1.18 |
| FOXVA-505000600 | 2316126 | Improved | 0.92 |
| FOXVA-505001850 | 2346767 | Improved | 2.19 |
| FOXVA-505003100 | 2299045 | Improved | 0.51 |
| FOXVA-505011300 | 2348777 | Improved | 1.06 |
| FRONT-505000250 | 2021707 | Improved | 0.47 |
| FRONT-505000500 | 2171186 | Improved | 0.57 |
| FRONT-505000500 | 2418742 | Improved | 2.08 |
| FRONT-505000900 | 2287830 | Improved | 1.67 |
| FRONT-505001100 | 2259007 | Improved | 2.45 |
| FRONT-505001700 | 2376531 | Improved | 1.26 |
| FRONT-505004700 | 1050450 | Improved | 1.14 |
| GOLDE-505000350 | 2390109 | Improved | 1.62 |
| HAZLE-505001300 | 2222041 | Improved | 0.54 |
| HAZLE-505003500 | 2295620 | Improved | 1.58 |
| HERBE-505000050 | 2124791 | Improved | 0.66 |
| HERBE-505000200 | 2216702 | Improved | 1.52 |
| HERBE-505005100 | 2179565 | Improved | 0.65 |
| HERBE-505011810 | 1574055 | Improved | 1.28 |
| HERBE-505011820 | 2406308 | Improved | 0.48 |
| HERBE-505012100 | 2219739 | Improved | 1.22 |
| HERBE-505101000 | 2329968 | Improved | 1.00 |
| HERBE-515000450 | 2080171 | Improved | 1.41 |
| HERBE-515100650 | 2368991 | Improved | 1.05 |

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|-----------------|---------|----------|------|
| HODGE-505001550 | 2021704 | Improved | 2.99 |
| HODGE-505001550 | 2248069 | Improved | 1.77 |
| KINCA-505001000 | 2182149 | Improved | 1.00 |
| KINCA-505001000 | 2412883 | Improved | 0.75 |
| KINCA-505001100 | 1510512 | Improved | 0.56 |
| KINCA-505011200 | 2292535 | Improved | 0.76 |
| KINCA-505014150 | 2226197 | Improved | 0.64 |
| KYLE-505002250  | 2417533 | Improved | 1.71 |
| KYLE-505002650  | 2340132 | Improved | 1.17 |
| KYLE-505008550  | 1550146 | Improved | 1.10 |
| KYLE-505010600  | 2258801 | Improved | 1.03 |
| KYLE-505013450  | 2267209 | Improved | 0.87 |
| KYLE-505017900  | 2347317 | Improved | 1.81 |
| KYLE-505017900  | 2448729 | Improved | 1.16 |
| KYLE-505023400  | 2012184 | Improved | 1.37 |
| KYLE-890103400  | 2328771 | Improved | 0.55 |
| LAFLE-505003600 | 2233079 | Improved | 2.96 |
| LAFLE-505004200 | 2179915 | Improved | 1.01 |
| LAFLE-505010350 | 2328770 | Improved | 0.40 |
| LAFLE-505011700 | 1551398 | Improved | 1.10 |
| LAFLE-505011700 | 2016570 | Improved | 0.96 |
| LAFLE-505011800 | 2250592 | Improved | 1.59 |
| LAFLE-505021250 | 1048720 | Improved | 2.32 |
| LAFLE-505027350 | 2190742 | Improved | 0.76 |
| LAFLE-505033400 | 1527795 | Improved | 0.49 |
| LIMER-404002000 | 2411883 | Improved | 1.65 |
| LIMER-404004750 | 2233271 | Improved | 0.72 |
| LUCKY-505000050 | 2202105 | Improved | 0.61 |
| LUCKY-505000850 | 2016071 | Improved | 0.56 |
| LUCKY-505004000 | 1513018 | Improved | 0.49 |
| MANKO-505000550 | 2033081 | Improved | 1.56 |
| MANKO-505003100 | 2394125 | Improved | 0.64 |
| MANKO-505003300 | 2231945 | Improved | 1.30 |
| MANKO-505003300 | 2231978 | Improved | 0.90 |
| MAREN-505000300 | 2014325 | Improved | 0.38 |
| MORSE-505002050 | 2201270 | Improved | 2.64 |
| MORSE-505002300 | 2347088 | Improved | 0.95 |
| MORSE-505002650 | 2266282 | Improved | 0.46 |
| MORSE-505003150 | 2239691 | Improved | 0.96 |
| MORSE-505003150 | 2341077 | Improved | 0.51 |
| MORSE-505004300 | 2011118 | Improved | 0.65 |
| MORSE-505004500 | 2334597 | Improved | 0.49 |
| MORSE-505033500 | 2380754 | Improved | 0.66 |
| NEVIL-505004500 | 2406931 | Improved | 1.26 |
| PONTE-505001900 | 2244822 | Improved | 1.72 |
| PONTE-505001900 | 2284819 | Improved | 1.72 |
| PONTE-505002100 | 2232540 | Improved | 4.28 |
| PONTE-505002550 | 1511675 | Improved | 1.40 |
| PONTE-505009450 | 2237790 | Improved | 1.34 |
| PONTE-505011050 | 2101743 | Improved | 0.51 |
| PONTE-505110950 | 2454494 | Improved | 1.51 |
| PRELA-505003850 | 1579625 |          | 1.32 |
| RICHM-505000650 | 1503456 | Improved | 1.16 |

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|-----------------|---------|----------|------|
| RICHM-505000700 | 2370931 | Improved | 1.79 |
| RICHM-505002250 | 2327050 | Improved | 1.56 |
| RICHM-505005300 | 2324672 | Improved | 4.05 |
| RIVER-505004500 | 2015048 | Improved | 1.37 |
| RIVER-505007050 | 2266482 | Improved | 1.23 |
| TOMPK-505001050 | 1530966 | Improved | 0.83 |
| TOMPK-505002000 | 2329485 | Improved | 1.14 |
| TOMPK-505002000 | 2451419 | Improved | 1.00 |
| TOMPK-505002100 | 2453560 | Improved | 1.38 |
| VALMA-505000850 | 2210656 | Improved | 0.81 |
| VALMA-505001000 | 2248503 | Improved | 0.59 |
| VALMA-505002800 | 2007613 | Improved | 0.91 |
| WOODM-505001750 | 1519843 | Improved | 1.57 |
| 070KA-505012350 | 2440881 | Improved | 0.35 |
| 070KA-990100200 | 2414051 | Improved | 1.50 |
| 128-000403401   | 2299560 | Improved | 0.63 |
| 137SW-504505760 | 2451157 | Improved | 0.82 |
| 158GP-404028050 | 2245721 | Improved | 0.96 |
| 159SI-606005300 | 2360462 | Improved | 1.09 |
| 159SI-606020200 | 2327977 | Improved | 0.76 |
| 159SI-606100600 | 2307349 | Improved | 0.99 |
| 159SI-606109800 | 2387657 | Improved | 2.97 |
| 159WI-656503400 | 2412681 | Improved | 0.80 |
| 217-000226300   | 2405078 | Improved | 1.38 |
| 224LA-990000250 | 1554395 | Improved | 1.03 |
| 254-000813401   | 2315104 | Improved | 0.76 |
| 255-000415302   | 2239468 | Improved | 0.97 |
| 259-001027401   | 1512133 | Improved | 1.01 |
| 261-001815401   | 1512139 | Improved | 1.09 |
| 271-001406302   | 2336669 | Improved | 0.67 |
| 286-000122102   | 1512213 | Improved | 1.14 |
| 344-000505102   | 2446122 | Improved | 0.58 |
| 344-000819350   | 2188916 | Improved | 0.82 |
| 344-000819410   | 2353023 | Improved | 0.96 |
| 344-000819430   | 2340083 | Improved | 0.67 |
| 370CA-505006400 | 2287249 | Improved | 1.39 |
| 437-000325406   | 2232303 | Improved | 1.21 |
| 437-000629402   | 2074568 | Improved | 1.56 |
| 461LP-505019600 | 2443552 | Improved | 1.32 |
| 468CA-505000100 | 2459318 | Improved | 1.03 |
| 471-000233202   | 2115072 | Improved | 0.67 |
| 472-001531200   | 2359141 | Improved | 1.19 |
| 472-001636101   | 2363343 | Improved | 0.68 |
| 491-000416407   | 2398671 | Improved | 1.01 |
| 491GA-211918550 | 2101942 | Improved | 1.11 |
| BEECH-990001200 | 1514362 | Improved | 0.99 |
| CUTKN-990100300 | 2247820 | Improved | 0.56 |
| DEBDE-505043000 | 2231968 | Improved | 0.83 |
| DRINK-505019100 | 2230867 | Improved | 1.39 |
| HUMBO-495305300 | 2443553 | Improved | 0.77 |
| KINIS-505042500 | 2443556 | Improved | 1.28 |
| KINIS-515005000 | 2442675 | Improved | 1.34 |
| KYLE-505021620  | 2283336 | Improved | 0.61 |

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|-----------------|---------|----------|------|
| LAMP-505034000  | 2233464 | Improved | 0.97 |
| LINTL-505015200 | 1571328 | Improved | 3.56 |
| LUCKY-890005600 | 2288877 | Improved | 1.01 |
| LUSEL-515105000 | 2288575 | Improved | 0.98 |
| MELVI-485104550 | 2304684 | Improved | 1.57 |
| NBATT-303016400 | 2385046 | Improved | 1.51 |
| NBATT-535280700 | 2258900 | Improved | 1.17 |
| NBATT-535280850 | 2362069 | Improved | 1.70 |
| NBATT-545336200 | 42054   | Improved | 1.54 |
| 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 |
| WILKI-890100210 | 2489884 | Improved | 1.80 |
| WOODM-505017000 | 2405740 | Improved | 1.67 |
| YOUNG-515011400 | 2244379 | Improved | 1.15 |
| ZEALA-505030000 | 2511334 | Improved | 0.99 |
| 043FL-505000850 | 2369271 | Vacant   | 2.66 |
| 043FL-505001300 | 2369248 | Vacant   | 2.02 |
| 073CO-501003100 | 2381782 | Vacant   | 1.78 |
| 073CO-501004800 | 2352857 | Vacant   | 1.78 |
| 075ME-505010800 | 2354045 | Vacant   | 1.42 |
| 075ME-505013200 | 2354151 | Vacant   | 1.64 |
| 079DO-404004350 | 2414359 | Vacant   | 0.45 |
| 107BF-303000150 | 2417565 | Vacant   | 0.68 |
| 108IN-303001800 | 2441445 | Vacant   | 0.90 |
| 108IN-303001800 | 2441446 | Vacant   | 0.90 |
| 109CA-505003000 | 2353307 | Vacant   | 0.36 |
| 168SU-505006100 | 2416634 | Vacant   | 0.35 |
| 226DE-505005600 | 2451703 | Vacant   | 1.88 |
| 226DE-505005900 | 2364324 | Vacant   | 1.88 |
| 261MA-606002050 | 2307717 | Vacant   | 1.00 |
| 261MA-606002050 | 2308710 | Vacant   | 1.00 |
| 261MA-606002250 | 2305187 | Vacant   | 1.00 |
| 290PI-505005000 | 2374905 | Vacant   | 1.15 |
| 290PI-505005000 | 2374906 | Vacant   | 0.86 |
| 292AL-505008900 | 2452516 | Vacant   | 0.38 |
| 292AL-505020011 | 2412652 | Vacant   | 1.00 |
| 322LO-707015450 | 2412603 | Vacant   | 1.05 |
| BRACK-505000450 | 2372581 | Vacant   | 1.03 |
| BROCK-505004200 | 2378537 | Vacant   | 0.22 |
| CADIL-505004850 | 2431983 | Vacant   | 0.54 |
| CONSU-505009050 | 2399131 | Vacant   | 0.14 |
| HAZEN-505009350 | 2373107 | Vacant   | 1.73 |
| RUSHL-505008400 | 2402974 | Vacant   | 0.73 |
| RUSHL-505020450 | 2421118 | Vacant   | 0.39 |
| SHAMR-505002250 | 2455990 | Vacant   | 1.35 |
| SHAMR-505003700 | 2440293 | Vacant   | 2.72 |