

| assessment_id   | sale_id | Vacant_Improved | ASR  |
|-----------------|---------|-----------------|------|
| 162CA-505000100 | 1533880 | Improved        | 3.20 |
| 162CA-505000300 | 2385275 | Improved        | 1.43 |
| 222AD-505001100 | 2411227 | Improved        | 0.80 |
| 222AD-505001350 | 2310409 | Improved        | 0.42 |
| ABERN-505003850 | 2021959 | Improved        | 1.04 |
| ABERN-505003850 | 2298269 | Improved        | 0.83 |
| AVONL-505009750 | 2376838 | Improved        | 0.73 |
| BALCA-505001850 | 2399231 | Improved        | 1.08 |
| BALCA-505002500 | 2310910 | Improved        | 0.50 |
| BALCA-505002550 | 2232089 | Improved        | 0.41 |
| BALCA-505004400 | 2348241 | Improved        | 2.18 |
| BALCA-505006400 | 1512562 | Improved        | 0.99 |
| BALCA-505006400 | 2288327 | Improved        | 1.10 |
| BALCA-505008350 | 2284641 | Improved        | 1.84 |
| BALCA-505008800 | 2449053 | Improved        | 1.62 |
| BALCA-505012050 | 2191309 | Improved        | 0.93 |
| BALCA-505012050 | 2199621 | Improved        | 0.66 |
| BALCA-505012050 | 2218474 | Improved        | 1.01 |
| BALCA-505016000 | 2447379 | Improved        | 0.68 |
| BALCA-505056900 | 2399232 | Improved        | 1.50 |
| BALCA-505057500 | 2410513 | Improved        | 2.23 |
| BELLE-505005850 | 2225146 | Improved        | 0.18 |
| BELLE-505006050 | 2224010 | Improved        | 0.39 |
| BELLE-505006950 | 2391795 | Improved        | 0.68 |
| BELLE-505037600 | 2237259 | Improved        | 0.77 |
| BELLE-505060000 | 2289603 | Improved        | 0.76 |
| BETHU-505009250 | 2204599 | Improved        | 0.68 |
| BROWN-505004300 | 2210826 | Improved        | 0.24 |
| BULYE-505003600 | 2400243 | Improved        | 2.10 |
| CARON-505200050 | 2343473 | Improved        | 6.13 |
| CARON-505201500 | 1524093 | Improved        | 0.94 |
| CHAMB-505002600 | 2246196 | Improved        | 0.82 |
| CHAMB-505006350 | 2357711 | Improved        | 0.63 |
| CHAMB-505006650 | 2392020 | Improved        | 0.44 |
| CODER-505003450 | 2343483 | Improved        | 0.84 |
| CRAIK-505033350 | 2451821 | Improved        | 0.51 |
| CRAIK-505033550 | 1528928 | Improved        | 0.80 |
| CRAIK-505033900 | 2253490 | Improved        | 0.61 |
| CUPAR-505001650 | 2022331 | Improved        | 2.59 |
| CUPAR-505002050 | 2353014 | Improved        | 1.11 |
| CUPAR-505007900 | 1529844 | Improved        | 1.63 |
| CUPAR-505007900 | 2327268 | Improved        | 1.15 |
| CUPAR-505017100 | 2372194 | Improved        | 1.66 |
| CUPAR-505020650 | 2293484 | Improved        | 2.14 |
| DILKE-505004850 | 2053510 | Improved        | 1.78 |
| DILKE-505004850 | 2391992 | Improved        | 0.42 |
| DILKE-505006150 | 2313586 | Improved        | 9.38 |
| DYSAR-505004850 | 2283945 | Improved        | 2.19 |
| DYSAR-505012600 | 1053234 | Improved        | 0.51 |
| DYSAR-505026700 | 2410984 | Improved        | 0.64 |
| EARLG-505004600 | 2340881 | Improved        | 1.43 |
| EYEBR-505007800 | 2432599 | Improved        | 1.85 |

|                 |         |          |      |
|-----------------|---------|----------|------|
| EYEBR-505056000 | 2338625 | Improved | 1.89 |
| FORTQ-505002750 | 1055091 | Improved | 0.99 |
| FORTQ-505002750 | 2004258 | Improved | 0.56 |
| FORTQ-505003150 | 1557339 | Improved | 0.98 |
| FORTQ-505015550 | 2011801 | Improved | 0.83 |
| FORTQ-505040150 | 2236002 | Improved | 1.41 |
| FORTQ-505069100 | 2348816 | Improved | 1.14 |
| FORTQ-505071600 | 2288360 | Improved | 0.48 |
| FORTQ-505217200 | 2432914 | Improved | 0.83 |
| FORTQ-505229450 | 2225000 | Improved | 1.02 |
| FORTQ-505229900 | 1562068 | Improved | 0.69 |
| FORTQ-505261100 | 2336468 | Improved | 0.67 |
| FORTQ-505262250 | 1567705 | Improved | 0.81 |
| FORTQ-505262250 | 2344754 | Improved | 0.61 |
| FORTQ-505262300 | 2452189 | Improved | 0.54 |
| FORTQ-505263200 | 2266623 | Improved | 2.04 |
| FORTQ-505263250 | 1579769 | Improved | 1.22 |
| FORTQ-505263350 | 2255577 | Improved | 0.98 |
| FORTQ-505263650 | 2445829 | Improved | 0.85 |
| FORTQ-505265000 | 2389997 | Improved | 0.53 |
| FORTQ-505295250 | 2341711 | Improved | 0.86 |
| GLENA-505001600 | 2453223 | Improved | 0.99 |
| GLENA-505003400 | 2296894 | Improved | 0.65 |
| GOVAN-505001100 | 2447112 | Improved | 1.26 |
| GOVAN-505003250 | 2445896 | Improved | 1.81 |
| HOLDF-505002000 | 2347938 | Improved | 1.74 |
| HOLDF-505009400 | 2240395 | Improved | 0.89 |
| HOLDF-505009400 | 2329493 | Improved | 0.89 |
| IMPER-404001550 | 2220732 | Improved | 2.54 |
| IMPER-404002500 | 1538650 | Improved | 1.22 |
| INDIA-404024200 | 2251419 | Improved | 2.85 |
| INDIA-404028200 | 2354208 | Improved | 1.30 |
| INDIA-404028800 | 2292155 | Improved | 1.92 |
| INDIA-404030450 | 2448300 | Improved | 5.03 |
| INDIA-404031750 | 2375823 | Improved | 0.97 |
| INDIA-404031900 | 1510478 | Improved | 1.03 |
| INDIA-404050150 | 1528884 | Improved | 1.26 |
| INDIA-404052100 | 2005918 | Improved | 0.99 |
| INDIA-404052250 | 2470506 | Improved | 0.67 |
| INDIA-404052500 | 2446219 | Improved | 0.48 |
| INDIA-404052550 | 1511471 | Improved | 0.97 |
| INDIA-404054400 | 2346271 | Improved | 1.37 |
| INDIA-404054400 | 2436424 | Improved | 1.37 |
| INDIA-404061450 | 2202074 | Improved | 0.64 |
| INDIA-413900600 | 2348379 | Improved | 1.65 |
| INDIA-414000750 | 2414209 | Improved | 0.76 |
| INDIA-414000900 | 2215907 | Improved | 0.80 |
| INDIA-414004400 | 2410705 | Improved | 1.16 |
| INDIA-414006000 | 2267710 | Improved | 0.68 |
| INDIA-414006700 | 2291602 | Improved | 1.13 |
| KENDA-505002650 | 1051749 | Improved | 0.99 |
| LIPTO-505002050 | 2225295 | Improved | 0.26 |
| LIPTO-505004600 | 2294716 | Improved | 1.95 |

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|-----------------|---------|----------|-------|
| LIPTO-890100100 | 2294097 | Improved | 1.07  |
| MILES-404002300 | 2297365 | Improved | 2.60  |
| MILES-404002700 | 2207112 | Improved | 1.16  |
| MILES-404002850 | 2438223 | Improved | 1.38  |
| MILES-404026750 | 2386302 | Improved | 0.78  |
| MILES-404043000 | 2158594 | Improved | 0.87  |
| MONTM-495013850 | 2206923 | Improved | 10.81 |
| MONTM-495023750 | 1526284 | Improved | 0.98  |
| MONTM-495023750 | 1559676 | Improved | 0.76  |
| MONTM-505006750 | 2318352 | Improved | 2.33  |
| MONTM-505012600 | 2191215 | Improved | 0.31  |
| MONTM-505012600 | 2240749 | Improved | 0.56  |
| MORTL-505011750 | 2350565 | Improved | 1.48  |
| MORTL-505017500 | 1531055 | Improved | 0.86  |
| MORTL-505018750 | 2416959 | Improved | 1.37  |
| MORTL-505019300 | 2439171 | Improved | 0.28  |
| MORTL-505032600 | 2190773 | Improved | 0.45  |
| MOSSB-505001550 | 1550143 | Improved | 1.64  |
| MOSSB-505006400 | 2033093 | Improved | 0.44  |
| NOKOM-505002700 | 1564014 | Improved | 3.75  |
| NOKOM-505002700 | 2211315 | Improved | 2.32  |
| ODESS-505001900 | 2346701 | Improved | 2.13  |
| PENSE-404002300 | 1566569 | Improved | 1.03  |
| PENSE-404002300 | 2219088 | Improved | 0.98  |
| QUAPP-505127600 | 1576930 | Improved | 0.73  |
| QUAPP-505128450 | 1527332 | Improved | 1.47  |
| QUAPP-505128900 | 2465612 | Improved | 1.02  |
| QUAPP-505130900 | 1510572 | Improved | 0.75  |
| RAYMO-505000600 | 2211318 | Improved | 0.64  |
| RAYMO-505000770 | 2458255 | Improved | 1.14  |
| RAYMO-505001600 | 2308590 | Improved | 1.62  |
| RAYMO-505002300 | 2189014 | Improved | 0.61  |
| RAYMO-505002850 | 2284915 | Improved | 0.47  |
| RAYMO-505008000 | 2315171 | Improved | 2.97  |
| RAYMO-505035000 | 2334144 | Improved | 1.17  |
| RAYMO-505035200 | 2334145 | Improved | 0.34  |
| RAYMO-505060500 | 2387692 | Improved | 1.17  |
| ROULE-505001550 | 2431628 | Improved | 0.43  |
| ROULE-505005800 | 2253593 | Improved | 3.20  |
| SEDL-505071050  | 2300328 | Improved | 0.91  |
| SEMAN-404010050 | 2202374 | Improved | 1.19  |
| SEMAN-404010050 | 2361000 | Improved | 1.69  |
| SEMAN-404010300 | 2306956 | Improved | 2.14  |
| SEMAN-404017600 | 2239440 | Improved | 0.38  |
| SILTO-505005050 | 2337236 | Improved | 0.89  |
| SOUTH-505001600 | 2226455 | Improved | 1.20  |
| SOUTH-505001600 | 2441018 | Improved | 1.02  |
| SOUTH-505002100 | 2357157 | Improved | 0.78  |
| SOUTH-505002650 | 2387194 | Improved | 1.20  |
| SOUTH-505010150 | 2439165 | Improved | 0.61  |
| SOUTH-505010250 | 2222111 | Improved | 0.53  |
| SOUTH-505016050 | 2219116 | Improved | 0.97  |
| SOUTH-505017550 | 2214989 | Improved | 0.65  |

|                 |         |          |      |
|-----------------|---------|----------|------|
| SOUTH-505086350 | 2252355 | Improved | 0.92 |
| SOUTH-505108600 | 2076145 | Improved | 0.80 |
| STRAS-505008800 | 2432316 | Improved | 0.34 |
| STRAS-505015250 | 1501252 | Improved | 1.33 |
| STRAS-505015250 | 1508388 | Improved | 1.00 |
| STRAS-505015250 | 2299167 | Improved | 1.27 |
| STRAS-505015650 | 2070484 | Improved | 0.70 |
| STRAS-505015900 | 2248445 | Improved | 1.00 |
| STRAS-505016000 | 2184311 | Improved | 1.19 |
| STRAS-505016050 | 2267365 | Improved | 1.02 |
| STRAS-505016100 | 1582023 | Improved | 3.32 |
| STRAS-505016300 | 2460946 | Improved | 0.79 |
| STRAS-505016750 | 2368686 | Improved | 1.53 |
| STRAS-505032000 | 2029378 | Improved | 1.00 |
| TUGAS-505003950 | 2338139 | Improved | 1.20 |
| VIBAN-505000050 | 2183722 | Improved | 1.92 |
| VIBAN-505000300 | 2003074 | Improved | 0.76 |
| VIBAN-505000450 | 2223156 | Improved | 2.08 |
| VIBAN-505000450 | 2328729 | Improved | 2.00 |
| VIBAN-505001950 | 2208705 | Improved | 0.61 |
| WILCO-505001200 | 2300716 | Improved | 1.11 |
| WINDT-505002100 | 2365077 | Improved | 0.43 |
| WINDT-505004700 | 2261584 | Improved | 1.69 |
| WINDT-505005000 | 2443376 | Improved | 0.65 |
| WOLSE-505008600 | 2209587 | Improved | 9.80 |
| WOLSE-505008700 | 2436878 | Improved | 1.06 |
| WOLSE-505010000 | 2372145 | Improved | 0.90 |
| WOLSE-505010500 | 2155137 | Improved | 1.06 |
| WOLSE-505010850 | 2290805 | Improved | 0.53 |
| WOLSE-505010850 | 2380765 | Improved | 0.45 |
| 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 |

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|-----------------|---------|----------|------|
| 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 |
| LAMPM-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 |
| 099PA-505000050 | 2254790 | Vacant   | 1.09 |
| 099PA-505001700 | 2310991 | Vacant   | 0.81 |
| 100TR-505000100 | 2442146 | Vacant   | 1.45 |
| 100TR-505000550 | 2313425 | Vacant   | 4.38 |
| 100TR-505000750 | 2397508 | Vacant   | 0.88 |
| 100TR-505000800 | 2366706 | Vacant   | 0.88 |
| 100TR-505001510 | 2311616 | Vacant   | 2.73 |
| 100TR-505001560 | 2359058 | Vacant   | 0.88 |
| 100TR-505001570 | 2359057 | Vacant   | 0.88 |
| 100TR-505002900 | 2315134 | Vacant   | 2.19 |
| 100TR-505002950 | 2315135 | Vacant   | 2.19 |
| 100TR-505005000 | 2416116 | Vacant   | 0.88 |
| 100TR-505005200 | 2388813 | Vacant   | 0.88 |
| 100TR-505006450 | 2390142 | Vacant   | 0.66 |
| 103PA-404001900 | 2433183 | Vacant   | 0.33 |

|                 |         |        |      |
|-----------------|---------|--------|------|
| 125PE-505002400 | 2249800 | Vacant | 1.05 |
| 126CA-505000150 | 2295446 | Vacant | 2.19 |
| 251ST-505008100 | 2379737 | Vacant | 0.27 |
| CODER-505000550 | 2421320 | Vacant | 1.28 |
| CODER-505006250 | 2457968 | Vacant | 1.23 |
| DYSAR-505000300 | 2399121 | Vacant | 0.41 |
| DYSAR-505003500 | 2416683 | Vacant | 1.32 |
| DYSAR-505005150 | 2404545 | Vacant | 0.29 |
| DYSAR-505013150 | 2383685 | Vacant | 2.91 |
| GLENA-505007005 | 2267005 | Vacant | 0.88 |
| GLENA-505018100 | 2379819 | Vacant | 0.66 |
| KENDA-505001050 | 2401727 | Vacant | 0.99 |
| KENDA-505002300 | 2431532 | Vacant | 0.17 |
| KENDA-505004300 | 2400869 | Vacant | 1.42 |
| KENDA-505004975 | 2401334 | Vacant | 2.06 |
| KENDA-505005050 | 2400871 | Vacant | 1.42 |
| WOLSE-505011750 | 2246928 | Vacant | 1.23 |
| WOLSE-505013040 | 2342197 | Vacant | 1.12 |
| WOLSE-505026650 | 2344591 | Vacant | 0.77 |
| WOLSE-505027500 | 2347269 | Vacant | 1.92 |
| WOLSE-505027700 | 2288069 | Vacant | 0.89 |
| WOLSE-505027750 | 2266207 | Vacant | 0.48 |
| WOLSE-505029650 | 2328273 | Vacant | 1.55 |
| WOLSE-505137000 | 2364411 | Vacant | 0.12 |