

| assessment_id   | sale_id | Vacant_Improved | ASR  |
|-----------------|---------|-----------------|------|
| 130-000307301   | 2383228 | Improved        | 0.99 |
| 158-000423201   | 1051442 | Improved        | 1.77 |
| 159-000731201   | 2359395 | Improved        | 0.61 |
| 159-000836302   | 1526772 | Improved        | 0.57 |
| 161-000236202   | 2296213 | Improved        | 1.01 |
| 161-000501404   | 2381776 | Improved        | 0.48 |
| 161-000602203   | 2198115 | Vacant          | 1.04 |
| 161-000602204   | 2199293 | Vacant          | 1.04 |
| 161-000602205   | 2198238 | Vacant          | 0.99 |
| 161-000602207   | 2384007 | Vacant          | 1.04 |
| 161-000602213   | 2264356 | Vacant          | 0.99 |
| 161-000602214   | 2410826 | Vacant          | 0.99 |
| 161-000602217   | 2219247 | Vacant          | 0.85 |
| 161-000613301   | 2402950 | Improved        | 1.50 |
| 162CA-505000100 | 1533880 | Improved        | 3.20 |
| 162CA-505000300 | 2385275 | Improved        | 1.43 |
| 187-000336401   | 2320316 | Improved        | 1.31 |
| 189-000218113   | 2033708 | Vacant          | 0.89 |
| 189-000218115   | 2002834 | Vacant          | 1.00 |
| 189-000218116   | 1528716 | Vacant          | 1.00 |
| 189-000218124   | 2326005 | Vacant          | 1.25 |
| 189-000218307   | 2284719 | Improved        | 0.73 |
| 190-001335402   | 2299893 | Improved        | 1.49 |
| 219-000509201   | 2306719 | Improved        | 1.63 |
| 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 |
| BALGO-404000600 | 2459701 | Improved        | 0.95 |
| BALGO-404001400 | 2321526 | Improved        | 1.03 |
| BALGO-404001400 | 2389838 | Improved        | 0.90 |
| BALGO-404002550 | 2101609 | Improved        | 1.64 |
| BALGO-404015800 | 1554697 | Improved        | 0.72 |
| BALGO-404016525 | 2378747 | Improved        | 1.04 |
| BALGO-404075900 | 2263065 | Improved        | 0.66 |
| 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 |

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|-----------------|---------|----------|------|
| 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 |
| 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 |
| DALME-515001350 | 2343581 | Improved | 1.08 |
| EARLG-505004600 | 2340881 | Improved | 1.43 |
| 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 |
| 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 |

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|-----------------|---------|----------|-------|
| LANGH-505002100 | 2382991 | Improved | 1.03  |
| LUMSD-404200025 | 2213102 | Improved | 1.06  |
| LUMSD-404200100 | 2387568 | Improved | 1.05  |
| LUMSD-404202250 | 2324206 | Improved | 1.11  |
| LUMSD-404202650 | 2439515 | Improved | 0.83  |
| LUMSD-404203150 | 2376931 | Improved | 1.37  |
| LUMSD-404203300 | 2350767 | Improved | 1.09  |
| LUMSD-404204150 | 2308357 | Improved | 0.89  |
| LUMSD-404204200 | 2186166 | Improved | 0.90  |
| LUMSD-404205200 | 2420243 | Improved | 0.96  |
| LUMSD-404303400 | 2318521 | Improved | 0.99  |
| 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  |
| ODESS-505001900 | 2346701 | Improved | 2.13  |
| OSLER-404025140 | 1545315 | Improved | 0.64  |
| OSLER-404025140 | 2371768 | Improved | 0.63  |
| PENSE-404002300 | 1566569 | Improved | 1.03  |
| PENSE-404002300 | 2219088 | Improved | 0.98  |
| PILOT-505010600 | 1550123 | Improved | 0.94  |
| PILOT-505010600 | 2373448 | Improved | 1.01  |
| 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  |
| SEdle-505071050 | 2300328 | Improved | 0.91  |
| 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-505008000 | 2244919 | Improved | 1.00  |
| 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 |
| 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 |
| WHICI-505011800 | 2347716 | Improved | 0.92 |
| WILCO-505001200 | 2300716 | Improved | 1.11 |
| 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 |
| 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 |
| 128GR-505015750 | 2378151 | Vacant   | 0.51 |
| 189-000117403   | 2405920 | Vacant   | 1.02 |
| 189-000117404   | 2405921 | Vacant   | 1.06 |
| 189-000126402   | 1555389 | Vacant   | 1.55 |
| 189-000126402   | 2419401 | Vacant   | 0.85 |
| 189-000126402   | 2444580 | Vacant   | 0.85 |
| 189-000206302   | 2405934 | Vacant   | 0.82 |
| 189-000206303   | 2463689 | Vacant   | 1.00 |
| 189-000206304   | 2463690 | Vacant   | 1.00 |
| 189-000206305   | 2463691 | Vacant   | 1.00 |
| 189-000233303   | 2310275 | Vacant   | 0.98 |
| 189-000233306   | 1530483 | Vacant   | 0.94 |
| 189-000328101   | 2229764 | Vacant   | 1.02 |
| 189-000329405   | 2188635 | Vacant   | 0.82 |
| 189-000329406   | 2186789 | Vacant   | 0.90 |
| 189-000329408   | 1583637 | Vacant   | 1.24 |

|                 |         |        |      |
|-----------------|---------|--------|------|
| 189-000329409   | 1549513 | Vacant | 1.13 |
| 189-000336302   | 2033874 | Vacant | 1.15 |
| 189-000505302   | 2344115 | Vacant | 1.49 |
| 189-000505304   | 2446033 | Vacant | 1.16 |
| 189-000604103   | 1503934 | Vacant | 1.01 |
| 189-000704305   | 2332615 | Vacant | 0.99 |
| 189-000706302   | 2303239 | Vacant | 0.30 |
| 189-000706403   | 2405954 | Vacant | 1.13 |
| 189-000706404   | 2405953 | Vacant | 0.72 |
| 189-000712106   | 2188249 | Vacant | 0.87 |
| 189-000814301   | 2359673 | Vacant | 0.78 |
| 189-001302401   | 1519028 | Vacant | 0.76 |
| 189-001302402   | 1555354 | Vacant | 1.05 |
| 189DV-515002500 | 2293977 | Vacant | 1.05 |
| 189DV-515002600 | 1569000 | Vacant | 0.96 |
| 189DV-525000100 | 2368576 | Vacant | 1.22 |
| 189DV-525000200 | 2007026 | Vacant | 1.07 |
| 189DV-525000350 | 2238972 | Vacant | 0.92 |
| 189DV-525000400 | 2042636 | Vacant | 0.66 |
| BUENA-404070900 | 2297997 | Vacant | 1.24 |
| FRANC-505000050 | 2462151 | Vacant | 1.64 |
| SEDLE-505014450 | 2390244 | Vacant | 1.15 |
| TUXFO-505000600 | 2435832 | Vacant | 0.88 |