

| 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 |
| 161-000613301   | 2402950 | Improved        | 1.50 |
| 187-000336401   | 2320316 | Improved        | 1.31 |
| 189-000218307   | 2284719 | Improved        | 0.73 |
| 190-001335402   | 2299893 | Improved        | 1.49 |
| 219-000509201   | 2306719 | Improved        | 1.63 |
| 220SU-505004300 | 2228339 | Improved        | 1.09 |
| 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 |
| ETTER-505000050 | 2082635 | Improved        | 0.55 |
| ETTER-505000050 | 2371066 | Improved        | 0.85 |
| KATEP-404301750 | 2244277 | Improved        | 1.60 |
| 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 |
| PILOT-505010600 | 1550123 | Improved        | 0.94 |
| PILOT-505010600 | 2373448 | Improved        | 1.01 |
| WHICI-505011800 | 2347716 | Improved        | 0.92 |
| 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 |
| 128RC-505001800 | 2395850 | Vacant   | 1.74 |
| 131-000836103   | 2391257 | Vacant   | 0.91 |
| 156-000212101   | 2445653 | Vacant   | 1.00 |
| 160-000436401   | 2315458 | Vacant   | 1.08 |
| 160-000502301   | 2389682 | Vacant   | 0.69 |
| 162-000122401   | 2381941 | Vacant   | 1.30 |
| 220-000129400   | 2386129 | Vacant   | 0.72 |
| 220-000323420   | 2389948 | Vacant   | 0.82 |
| 220-000323425   | 2372283 | Vacant   | 0.64 |

|                 |         |        |      |
|-----------------|---------|--------|------|
| 220-000323430   | 2384969 | Vacant | 0.66 |
| 220-000323435   | 2364361 | Vacant | 0.62 |
| 220-000323440   | 2418884 | Vacant | 0.82 |
| 220AL-505000650 | 2380210 | Vacant | 0.80 |
| 220AL-505003000 | 2321611 | Vacant | 1.02 |
| 220AL-505003000 | 2389862 | Vacant | 0.78 |
| 220CE-505001625 | 2329480 | Vacant | 0.95 |
| 220CE-505001686 | 2367777 | Vacant | 0.82 |
| 220CE-505001691 | 2388492 | Vacant | 0.87 |
| 220CE-505001700 | 2200907 | Vacant | 0.69 |
| 220CE-505001710 | 1516971 | Vacant | 1.15 |
| 220CE-505001710 | 2289152 | Vacant | 1.00 |
| 220CE-505001810 | 2287288 | Vacant | 1.29 |
| 220CE-505002100 | 2042640 | Vacant | 1.37 |
| 220CE-505002500 | 2322588 | Vacant | 1.26 |
| 220CE-505002900 | 2398101 | Vacant | 1.44 |
| 220CE-505003450 | 2352652 | Vacant | 1.61 |
| 220CE-505003600 | 2421453 | Vacant | 0.68 |
| 220CE-505004160 | 2016800 | Vacant | 0.83 |
| 220CE-505004160 | 2326627 | Vacant | 1.12 |
| 220CE-505004180 | 1568144 | Vacant | 0.69 |
| 220CE-505004190 | 1057545 | Vacant | 0.96 |
| 220CE-505004190 | 1568145 | Vacant | 0.60 |
| 220CE-505004190 | 2341608 | Vacant | 0.76 |
| 220CE-505004240 | 2332732 | Vacant | 0.99 |
| 220CE-505004250 | 2331679 | Vacant | 0.99 |
| 220CE-505004260 | 2347968 | Vacant | 1.38 |
| 220CE-505006100 | 2433396 | Vacant | 1.10 |
| 220CE-505006150 | 2416909 | Vacant | 1.17 |
| 220CE-505011000 | 1572373 | Vacant | 1.72 |
| 220CE-505011550 | 2299804 | Vacant | 1.49 |
| 220CE-505011650 | 1506685 | Vacant | 0.61 |
| 220CE-505011650 | 2328116 | Vacant | 1.22 |
| 220CE-505011650 | 2440450 | Vacant | 0.49 |
| 220CE-505020000 | 1580887 | Vacant | 0.69 |
| 220CE-505020000 | 2258244 | Vacant | 1.15 |
| 220CE-505020100 | 2210087 | Vacant | 1.04 |
| 220CE-505020150 | 2016830 | Vacant | 0.86 |
| 220CE-505020150 | 2331016 | Vacant | 0.90 |
| 220CE-505020250 | 2324400 | Vacant | 1.43 |
| 220CE-505020450 | 1503950 | Vacant | 0.59 |
| 220CE-505020500 | 2283997 | Vacant | 1.04 |
| 220CE-505020900 | 2286223 | Vacant | 1.34 |
| 220CE-505020900 | 2420450 | Vacant | 1.41 |
| 220CE-505021000 | 2417430 | Vacant | 1.67 |
| 220CL-505000050 | 2394601 | Vacant | 1.05 |
| 220CL-505002225 | 2372263 | Vacant | 1.26 |
| 220CL-505002350 | 2041983 | Vacant | 2.46 |
| 220CL-505002400 | 1551086 | Vacant | 2.86 |
| 220CL-505002550 | 2390553 | Vacant | 1.22 |
| 220CL-505002600 | 2359991 | Vacant | 1.41 |
| 220CL-505004150 | 1518991 | Vacant | 1.10 |
| 220CO-505000250 | 2192261 | Vacant | 0.90 |

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|-----------------|---------|--------|------|
| 220CO-505000300 | 2079340 | Vacant | 0.88 |
| 220CO-505000500 | 1516505 | Vacant | 0.84 |
| 220CO-505002800 | 2378313 | Vacant | 0.87 |
| 220CO-505003260 | 2460357 | Vacant | 0.58 |
| 220CP-505000100 | 1567667 | Vacant | 0.83 |
| 220CP-505000200 | 1505862 | Vacant | 1.11 |
| 220CP-505000300 | 2340948 | Vacant | 1.01 |
| 220CP-505001500 | 1578778 | Vacant | 1.25 |
| 220CP-505002850 | 2338421 | Vacant | 0.93 |
| 220GR-495099800 | 2220208 | Vacant | 1.47 |
| 220GR-495099800 | 2374993 | Vacant | 1.39 |
| 220GR-495099900 | 2436822 | Vacant | 1.17 |
| 220GR-495099950 | 2392425 | Vacant | 2.02 |
| 220GR-505000500 | 2247057 | Vacant | 1.25 |
| 220GR-505000550 | 2228565 | Vacant | 1.88 |
| 220GR-505000600 | 2340587 | Vacant | 1.35 |
| 220HE-505000100 | 2367606 | Vacant | 1.09 |
| 220HE-505010050 | 1528655 | Vacant | 0.75 |
| 220HE-505010200 | 1514129 | Vacant | 0.78 |
| 220HE-505010200 | 2324325 | Vacant | 0.75 |
| 220HE-505010600 | 2375808 | Vacant | 0.82 |
| 220HE-505010700 | 2366314 | Vacant | 0.86 |
| 220MA-555501800 | 2328049 | Vacant | 1.32 |
| 220MA-555502000 | 2372710 | Vacant | 0.82 |
| 220MA-555502150 | 1581293 | Vacant | 1.40 |
| 220MA-555502510 | 2381513 | Vacant | 1.02 |
| 220MA-555503850 | 2453288 | Vacant | 1.84 |
| 220MA-555503900 | 2453289 | Vacant | 1.81 |
| 220MA-555503950 | 1525952 | Vacant | 0.79 |
| 220MA-555503960 | 2370598 | Vacant | 0.69 |
| 220MA-555503960 | 2433395 | Vacant | 0.69 |
| 220SH-505001300 | 2435502 | Vacant | 0.40 |
| 220SL-505000050 | 2421549 | Vacant | 1.01 |
| 220SL-505000550 | 2376756 | Vacant | 0.87 |
| 220SL-505000600 | 2229448 | Vacant | 1.09 |
| 220SL-505000700 | 1506651 | Vacant | 1.09 |
| 220SL-505000950 | 2405448 | Vacant | 1.04 |
| 220SL-505001150 | 2051640 | Vacant | 1.24 |
| 220SL-505001200 | 1579279 | Vacant | 0.91 |
| 220SL-505001300 | 2442364 | Vacant | 0.82 |
| 220SL-505001350 | 2315218 | Vacant | 1.05 |
| 220SL-505001400 | 2210719 | Vacant | 1.02 |
| 220SO-505000350 | 1517292 | Vacant | 0.92 |
| 220SO-505000800 | 1517293 | Vacant | 0.92 |
| 220SO-505004700 | 1516507 | Vacant | 1.00 |
| 220SO-505006650 | 2082133 | Vacant | 0.66 |
| 220SP-505004050 | 2004244 | Vacant | 1.76 |
| 220SP-505004450 | 2124765 | Vacant | 1.28 |
| 220SR-495000050 | 2239673 | Vacant | 1.31 |
| 220SR-495000300 | 2347521 | Vacant | 1.27 |
| 220SR-495000550 | 2332256 | Vacant | 0.97 |
| 220SR-495000750 | 2190655 | Vacant | 1.31 |
| 220SR-495000900 | 2076691 | Vacant | 0.76 |

|                 |         |        |      |
|-----------------|---------|--------|------|
| 220SR-495001000 | 2361519 | Vacant | 0.77 |
| 220SR-495001100 | 2290320 | Vacant | 0.77 |
| 220SR-495002100 | 1577395 | Vacant | 0.65 |
| 220SR-495002200 | 2215619 | Vacant | 0.49 |
| 220SR-495003000 | 2359689 | Vacant | 1.38 |
| 220SR-495003600 | 1550563 | Vacant | 1.63 |
| 220SR-495003600 | 2403858 | Vacant | 1.93 |
| 220SR-495003700 | 1550564 | Vacant | 1.10 |
| 220SR-495004000 | 1566157 | Vacant | 1.44 |
| 220SR-495004150 | 2442747 | Vacant | 1.60 |
| 220SU-505000700 | 2450703 | Vacant | 1.58 |
| 220SU-505000850 | 2115324 | Vacant | 0.62 |
| 220SU-505003100 | 1567231 | Vacant | 0.94 |
| 220SU-505003100 | 2386401 | Vacant | 1.07 |
| 220UH-505006850 | 2209652 | Vacant | 0.82 |
| 220UH-505007000 | 2443286 | Vacant | 1.64 |
| 220UH-505007300 | 2357464 | Vacant | 1.07 |
| 220UH-505007400 | 2365313 | Vacant | 1.35 |
| 220UH-505007450 | 2365308 | Vacant | 1.57 |
| 220UH-505007600 | 2362633 | Vacant | 1.97 |
| 220UH-505007650 | 2329318 | Vacant | 1.25 |
| 220UH-505007650 | 2388210 | Vacant | 0.75 |
| 220UH-505010000 | 2433150 | Vacant | 1.24 |
| 220UH-505030000 | 1514732 | Vacant | 0.99 |
| GLENH-505000650 | 2219683 | Vacant | 1.07 |
| GLENH-505001250 | 2364220 | Vacant | 0.64 |
| GLENH-505004650 | 2330850 | Vacant | 0.99 |
| GLENH-505006975 | 2370889 | Vacant | 0.49 |
| GLENH-505010200 | 1523657 | Vacant | 0.84 |
| GLENH-505010250 | 1523658 | Vacant | 0.92 |
| GLENH-505010450 | 1515617 | Vacant | 1.02 |
| IVIEW-505006550 | 2250577 | Vacant | 1.52 |
| IVIEW-505007100 | 2210658 | Vacant | 1.99 |
| IVIEW-505007200 | 2442123 | Vacant | 0.71 |
| IVIEW-505007400 | 1500387 | Vacant | 0.89 |
| IVIEW-505007750 | 1562564 | Vacant | 1.96 |
| IVIEW-505007750 | 2293339 | Vacant | 1.03 |
| IVIEW-505009550 | 2041904 | Vacant | 1.14 |
| IVIEW-505009700 | 1537714 | Vacant | 0.72 |
| IVIEW-505011300 | 2324233 | Vacant | 0.83 |
| IVIEW-505014500 | 2285222 | Vacant | 1.00 |
| IVIEW-505014650 | 2322054 | Vacant | 1.33 |
| IVIEW-505014900 | 2353116 | Vacant | 1.07 |
| IVIEW-505015300 | 1518989 | Vacant | 0.63 |
| IVIEW-505019000 | 2289115 | Vacant | 1.36 |
| IVIEW-505019050 | 2360277 | Vacant | 1.31 |
| KANNA-505011700 | 2366485 | Vacant | 0.47 |
| PELIC-505001150 | 2399119 | Vacant | 1.70 |
| PELIC-505001975 | 2292213 | Vacant | 0.53 |
| SASBE-495000100 | 2247083 | Vacant | 1.17 |
| SASBE-495000150 | 2051648 | Vacant | 0.95 |
| SASBE-495000250 | 2042651 | Vacant | 1.05 |
| SASBE-495000300 | 1573140 | Vacant | 1.29 |

|                 |         |        |      |
|-----------------|---------|--------|------|
| SASBE-495000350 | 1578334 | Vacant | 1.06 |
| SASBE-495000500 | 2416740 | Vacant | 0.69 |
| SASBE-495000550 | 2388341 | Vacant | 0.65 |
| SASBE-495000600 | 1558091 | Vacant | 1.25 |
| SASBE-495001050 | 2447958 | Vacant | 0.99 |
| SASBE-495002150 | 2357476 | Vacant | 1.31 |
| SASBE-495002250 | 1572404 | Vacant | 0.73 |
| SASBE-495002350 | 2369683 | Vacant | 1.36 |
| SASBE-504901750 | 2443826 | Vacant | 1.33 |
| SASBE-504902050 | 1527086 | Vacant | 1.86 |
| SASBE-504902200 | 2214772 | Vacant | 0.48 |
| SASBE-504903950 | 2335568 | Vacant | 0.96 |
| SASBE-504908900 | 1579569 | Vacant | 0.87 |
| SASBE-504908900 | 2082605 | Vacant | 0.90 |
| SASBE-504908900 | 2226908 | Vacant | 0.90 |
| SASBE-504910675 | 2377901 | Vacant | 1.00 |
| SASBE-504910700 | 2289130 | Vacant | 2.40 |
| SASBE-505011700 | 2397581 | Vacant | 0.76 |
| SASBE-505011900 | 2397575 | Vacant | 0.76 |
| SASBE-505012550 | 2440708 | Vacant | 0.99 |
| SASBE-505013550 | 2397579 | Vacant | 1.09 |
| SASBE-505013950 | 1514496 | Vacant | 0.72 |
| SASBE-505019300 | 2331464 | Vacant | 1.95 |
| SASBE-505019340 | 2051651 | Vacant | 0.94 |
| SASBE-505019340 | 2283179 | Vacant | 1.19 |
| SASBE-505101350 | 2352827 | Vacant | 0.67 |
| SASBE-505103800 | 2335753 | Vacant | 1.18 |
| SASBE-505115050 | 2333833 | Vacant | 0.83 |
| SUNSE-505001050 | 2380539 | Vacant | 0.79 |
| SUNSE-505002450 | 2221333 | Vacant | 0.91 |
| SUNSE-505003100 | 2212309 | Vacant | 1.01 |
| SUNSE-505003100 | 2327769 | Vacant | 1.01 |
| SUNSE-505007050 | 1558673 | Vacant | 0.42 |
| SUNSE-505010150 | 2344611 | Vacant | 0.97 |
| SUNSE-505010300 | 2349384 | Vacant | 0.94 |