

| assessment_id   | sale_id | Vacant_Improved | ASR  |
|-----------------|---------|-----------------|------|
| 367ST-505002600 | 2339874 | Improved        | 1.27 |
| 370CA-505001350 | 2410821 | Improved        | 1.52 |
| 370CA-505001450 | 2433153 | Improved        | 0.77 |
| 370FU-505000700 | 2376208 | Improved        | 1.16 |
| 397AL-505001100 | 2318524 | Improved        | 0.93 |
| 397MC-505002050 | 2438573 | Vacant          | 0.18 |
| 397MC-505002350 | 2387497 | Vacant          | 1.72 |
| 397MC-505002400 | 2387496 | Vacant          | 2.53 |
| 397MC-505004900 | 2357076 | Improved        | 0.62 |
| 397MC-505005900 | 2421515 | Vacant          | 0.30 |
| 397MC-505005950 | 2432590 | Vacant          | 0.31 |
| 397MC-505006000 | 2415329 | Vacant          | 0.30 |
| 398LA-505000400 | 2373821 | Vacant          | 1.44 |
| 398LA-505000450 | 2379288 | Vacant          | 1.44 |
| 398LA-505001050 | 2446010 | Vacant          | 0.72 |
| 398LA-505001100 | 2446011 | Vacant          | 0.72 |
| 398LA-505001150 | 2446012 | Vacant          | 0.72 |
| 398LA-505001550 | 2387142 | Vacant          | 1.38 |
| 398LA-505001750 | 2373776 | Vacant          | 1.44 |
| 398LA-505002350 | 2445044 | Vacant          | 1.26 |
| 398LA-505002400 | 2405946 | Vacant          | 1.25 |
| 398LA-505002950 | 2372467 | Vacant          | 1.44 |
| 398LA-505003000 | 2372562 | Vacant          | 2.32 |
| 398SI-505000300 | 2372871 | Vacant          | 0.75 |
| 400-000205301   | 2412654 | Improved        | 0.79 |
| 400-000301101   | 2335194 | Improved        | 1.87 |
| 400-000331304   | 2390214 | Improved        | 0.94 |
| 400-000333300   | 2410103 | Improved        | 0.72 |
| 400-000719101   | 2253349 | Improved        | 1.92 |
| 400-000731301   | 2431516 | Improved        | 0.65 |
| 400-000809300   | 2430865 | Improved        | 0.92 |
| 400-000828101   | 2287204 | Improved        | 1.07 |
| 400-000906301   | 2438140 | Improved        | 1.28 |
| 400-000920201   | 2388148 | Improved        | 0.63 |
| 400-001031101   | 2386281 | Improved        | 0.84 |
| 400-001035400   | 2342481 | Improved        | 1.63 |
| 400HO-606000200 | 2289121 | Improved        | 1.36 |
| 400HO-606000250 | 2361722 | Improved        | 1.12 |
| 400HO-606000400 | 2432124 | Improved        | 0.64 |
| 400LU-404001200 | 2264621 | Improved        | 1.00 |
| 400LU-404001300 | 2292951 | Improved        | 1.01 |
| 400LU-404001300 | 2435517 | Improved        | 0.84 |
| 400LU-404001550 | 2291753 | Improved        | 1.04 |
| 400LU-404002000 | 2401810 | Improved        | 0.95 |
| 400LU-404003100 | 2359718 | Improved        | 1.21 |
| 400LU-404003750 | 2370082 | Improved        | 0.94 |
| 400LU-404004000 | 2387595 | Improved        | 1.34 |
| 400LU-404004250 | 2328974 | Improved        | 0.76 |
| 400LU-505025003 | 2262810 | Improved        | 0.77 |
| 400LU-505025056 | 2341991 | Improved        | 0.82 |
| 400LU-505025057 | 2328881 | Improved        | 1.04 |
| 400LU-505026020 | 2294364 | Improved        | 1.34 |

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|-----------------|---------|----------|------|
| 400LU-505027550 | 2328047 | Improved | 0.98 |
| 400LU-505027550 | 2448898 | Improved | 0.84 |
| 400RH-303000550 | 2391912 | Improved | 1.00 |
| 400RH-303001650 | 2382919 | Vacant   | 0.96 |
| 400RH-303001950 | 2378800 | Vacant   | 0.61 |
| 400RH-303002000 | 2378801 | Vacant   | 1.21 |
| 400RH-303002200 | 2432500 | Vacant   | 1.09 |
| 400RH-303002400 | 2407272 | Improved | 1.68 |
| 400RH-303002450 | 2355823 | Vacant   | 1.12 |
| 400SH-707000550 | 2300594 | Improved | 1.15 |
| 426CH-505001700 | 2443671 | Improved | 0.93 |
| 426CH-505004200 | 2331668 | Improved | 1.52 |
| 426CH-505005050 | 2361275 | Improved | 0.57 |
| 426CH-505006300 | 2393741 | Improved | 0.87 |
| 426CH-505010100 | 2444765 | Improved | 1.17 |
| 426CR-505002600 | 2320055 | Improved | 0.89 |
| 426CR-505011200 | 2297856 | Vacant   | 0.44 |
| 426CR-505011400 | 2326689 | Vacant   | 0.53 |
| 426CR-505011800 | 2397363 | Vacant   | 1.47 |
| 426CR-505011850 | 2397364 | Vacant   | 1.34 |
| 426CR-505012200 | 2321179 | Vacant   | 0.74 |
| 426CR-505012200 | 2325871 | Vacant   | 0.49 |
| 426CR-505012250 | 2321180 | Vacant   | 1.09 |
| 427EL-505002450 | 2365357 | Vacant   | 0.58 |
| 427EL-505002550 | 2365358 | Vacant   | 0.78 |
| 427EL-505002600 | 2365359 | Vacant   | 0.78 |
| 427EL-505002700 | 2365360 | Vacant   | 0.78 |
| 427EL-505002750 | 2365361 | Vacant   | 0.78 |
| 427EL-505004600 | 2343856 | Improved | 1.08 |
| 427SY-505000400 | 2334972 | Vacant   | 0.36 |
| 427SY-505000600 | 2297735 | Vacant   | 0.24 |
| 427SY-505000700 | 2297736 | Vacant   | 0.24 |
| 427SY-505001950 | 2326884 | Improved | 1.18 |
| 427SY-505004100 | 2447545 | Improved | 1.13 |
| 427SY-505005800 | 2320558 | Improved | 1.54 |
| 429ET-505001300 | 2445220 | Vacant   | 0.20 |
| 429PA-505000550 | 2405643 | Vacant   | 0.17 |
| 430-000125301   | 2288467 | Improved | 0.72 |
| 430-000605100   | 2257224 | Improved | 1.31 |
| 430-000626401   | 2323292 | Improved | 1.13 |
| 430-001014401   | 2448377 | Improved | 0.99 |
| 430-001033201   | 2252354 | Improved | 1.18 |
| 430BA-767600100 | 1512168 | Vacant   | 1.01 |
| 430BA-767600150 | 1565231 | Vacant   | 1.00 |
| 430BA-767600550 | 2407436 | Vacant   | 0.83 |
| 430BA-767600950 | 2343700 | Improved | 0.66 |
| 430BA-767601050 | 1509920 | Vacant   | 1.02 |
| 430BA-767601100 | 1569957 | Vacant   | 1.04 |
| 430BA-767601100 | 2367116 | Vacant   | 0.94 |
| 430BA-767601400 | 2294808 | Vacant   | 0.98 |
| 430BA-767601900 | 2325291 | Improved | 0.71 |
| 430BA-767602400 | 2433544 | Improved | 0.91 |
| 430BA-767602550 | 2327596 | Vacant   | 0.86 |

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| 430BA-767602900 | 1511119 | Vacant   | 0.89 |
| 430BA-767602950 | 2337443 | Improved | 0.94 |
| 430BA-767603000 | 2309217 | Improved | 1.25 |
| 430BA-767603200 | 2079721 | Vacant   | 1.00 |
| 430BA-767603200 | 2454097 | Vacant   | 1.38 |
| 430BA-767603300 | 2331714 | Vacant   | 1.31 |
| 430BA-767603600 | 2016649 | Vacant   | 1.00 |
| 430BA-767603600 | 2355049 | Vacant   | 0.82 |
| 430BA-767603650 | 2316629 | Vacant   | 1.00 |
| 430BA-767603700 | 2408304 | Improved | 1.03 |
| 430BA-767603850 | 2419732 | Improved | 1.31 |
| 430BA-767604250 | 2357049 | Improved | 2.02 |
| 430BA-767604300 | 1522051 | Vacant   | 1.17 |
| 430CR-505001000 | 2333299 | Vacant   | 0.38 |
| 430CR-505001000 | 2438830 | Vacant   | 0.34 |
| 430CR-505001950 | 2432272 | Vacant   | 0.50 |
| 430CR-505003200 | 2289043 | Vacant   | 1.20 |
| 430DI-252502030 | 2080654 | Vacant   | 0.84 |
| 430DI-252502040 | 2438393 | Improved | 0.92 |
| 430DI-252502070 | 2394751 | Vacant   | 0.71 |
| 430DI-252503170 | 2368742 | Vacant   | 1.00 |
| 430DI-252503180 | 2368743 | Vacant   | 1.00 |
| 430DI-252504010 | 2367478 | Vacant   | 1.25 |
| 430DI-252504060 | 2315359 | Vacant   | 1.25 |
| 430DI-252504100 | 2441920 | Vacant   | 0.83 |
| 430DI-252504150 | 2076727 | Vacant   | 1.05 |
| 430DI-252504170 | 1580884 | Vacant   | 0.96 |
| 430DI-252504180 | 1580184 | Vacant   | 0.96 |
| 430DI-252504220 | 1547763 | Vacant   | 0.73 |
| 430DI-252504220 | 2293880 | Improved | 1.60 |
| 430HU-272701010 | 2326191 | Improved | 0.89 |
| 430HU-272701020 | 2447041 | Improved | 0.65 |
| 430HU-272701030 | 1578373 | Vacant   | 0.83 |
| 430HU-272701090 | 2331172 | Vacant   | 1.04 |
| 430HU-272701150 | 1538256 | Vacant   | 0.73 |
| 430HU-272702010 | 2348230 | Vacant   | 1.00 |
| 430HU-272702020 | 2323673 | Vacant   | 1.00 |
| 430HU-272702030 | 2321585 | Vacant   | 1.00 |
| 430HU-272702040 | 2329129 | Vacant   | 1.00 |
| 430HU-272702050 | 2334229 | Vacant   | 1.00 |
| 430HU-272702060 | 2323674 | Vacant   | 1.00 |
| 430HU-272702070 | 2321602 | Vacant   | 0.99 |
| 430HU-272702080 | 2321598 | Vacant   | 0.99 |
| 430HU-272702090 | 2321596 | Vacant   | 0.99 |
| 430HU-272702100 | 2321599 | Vacant   | 1.00 |
| 430HU-272702100 | 2453836 | Vacant   | 0.77 |
| 430HU-272702110 | 2321603 | Vacant   | 1.00 |
| 430HU-272702120 | 2321592 | Vacant   | 1.00 |
| 430HU-272702130 | 2321590 | Vacant   | 1.00 |
| 430HU-272702140 | 2321589 | Vacant   | 1.00 |
| 430HU-272702150 | 2329815 | Vacant   | 1.00 |
| 430HU-272702150 | 2365365 | Vacant   | 0.68 |
| 430HU-272702160 | 2334230 | Vacant   | 1.00 |

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| 430HU-272702170 | 2355673 | Vacant   | 1.19 |
| 430HU-272702180 | 2356310 | Vacant   | 1.19 |
| 430HU-272702210 | 2348231 | Vacant   | 1.67 |
| 430HU-272702210 | 2362584 | Vacant   | 1.00 |
| 430ME-202000100 | 2393064 | Vacant   | 1.04 |
| 430ME-202000800 | 2448416 | Vacant   | 1.13 |
| 430ME-202000950 | 2440277 | Vacant   | 2.95 |
| 430ME-202002000 | 2363220 | Improved | 0.97 |
| 430ME-202003300 | 2391500 | Vacant   | 1.47 |
| 430ME-202003350 | 2391501 | Vacant   | 1.47 |
| 430ME-202003400 | 2440278 | Vacant   | 2.95 |
| 430ME-202003450 | 2416668 | Vacant   | 1.47 |
| 430NE-262601040 | 2332454 | Vacant   | 0.97 |
| 430NE-262601050 | 2433516 | Vacant   | 0.97 |
| 430NE-262601070 | 2369785 | Improved | 1.04 |
| 430RH-454500600 | 2375380 | Improved | 0.96 |
| 430RH-454500750 | 2299903 | Vacant   | 1.00 |
| 430RH-454501050 | 2363215 | Improved | 0.81 |
| 430RH-454501450 | 2393447 | Vacant   | 0.81 |
| 430RH-454506010 | 2349412 | Vacant   | 1.22 |
| 430RH-454506020 | 2332494 | Vacant   | 1.09 |
| 430RH-454506060 | 2366541 | Vacant   | 1.08 |
| 430RH-454506080 | 2396171 | Vacant   | 0.65 |
| 430RH-454506090 | 2375792 | Vacant   | 0.83 |
| 430RH-454506120 | 2380107 | Vacant   | 0.76 |
| 430RH-454506130 | 2349526 | Vacant   | 1.15 |
| 430RH-454506140 | 2350371 | Vacant   | 1.00 |
| 430RH-454506150 | 2350372 | Vacant   | 1.11 |
| 430RH-454506160 | 2356248 | Vacant   | 1.06 |
| 430RH-454506170 | 2351769 | Vacant   | 1.02 |
| 430RH-454506180 | 2363718 | Vacant   | 0.99 |
| 430RH-454506200 | 2382268 | Vacant   | 0.76 |
| 430RH-454506210 | 2452628 | Vacant   | 0.76 |
| 430RH-454506220 | 2371059 | Vacant   | 0.96 |
| 430RH-454506230 | 2333027 | Vacant   | 1.01 |
| 430RH-454506250 | 2265704 | Improved | 1.43 |
| 430RH-454509040 | 2349413 | Vacant   | 1.00 |
| 430RH-454509050 | 2349414 | Vacant   | 1.00 |
| 430RH-454509060 | 2357733 | Vacant   | 1.00 |
| 430TA-707001800 | 2397759 | Vacant   | 0.87 |
| 430TW-404000150 | 2284617 | Vacant   | 1.41 |
| 430TW-404000200 | 2351735 | Vacant   | 0.73 |
| 430TW-404000600 | 2347127 | Vacant   | 0.60 |
| 430TW-404000700 | 2397756 | Vacant   | 0.39 |
| 430TW-404001100 | 2349742 | Vacant   | 0.76 |
| 430TW-404004650 | 2322362 | Vacant   | 1.15 |
| 430TW-404004850 | 2342981 | Vacant   | 1.00 |
| 430TW-404005050 | 2342980 | Vacant   | 1.44 |
| 430YC-353500600 | 2419542 | Vacant   | 0.87 |
| 430YC-353501350 | 2448888 | Vacant   | 1.00 |
| 430YC-353501400 | 2448887 | Vacant   | 1.00 |
| 430YC-353501650 | 2342521 | Improved | 1.98 |
| 430YC-353501800 | 2390691 | Vacant   | 1.02 |

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| 430YC-353504550 | 2365522 | Vacant   | 0.78 |
| 430YC-353504550 | 2413201 | Vacant   | 1.55 |
| 430YC-353504650 | 2413202 | Vacant   | 1.46 |
| 430YC-353504700 | 2409667 | Vacant   | 1.46 |
| 430YC-353504700 | 2413203 | Vacant   | 1.46 |
| 430YC-353506250 | 2432716 | Vacant   | 0.92 |
| 430YC-353506400 | 2432715 | Vacant   | 0.92 |
| 430YC-353508500 | 2323645 | Improved | 0.63 |
| 430YC-363602300 | 2329331 | Vacant   | 0.50 |
| 430YC-363603800 | 2389109 | Vacant   | 1.00 |
| 430YC-363603850 | 2389110 | Vacant   | 1.00 |
| 430YC-363604200 | 2437684 | Vacant   | 1.00 |
| 430YC-363604300 | 2437685 | Vacant   | 1.00 |
| 430YC-363605100 | 2416666 | Vacant   | 1.09 |
| 430YC-363608000 | 2390456 | Vacant   | 0.19 |
| 431-000126200   | 2414625 | Improved | 0.90 |
| 431-000309201   | 2472228 | Improved | 1.04 |
| 431-000322401   | 2385844 | Improved | 1.18 |
| 431-000417103   | 2379034 | Improved | 1.05 |
| 431-000421400   | 2293164 | Improved | 1.80 |
| 431-000730101   | 2246854 | Improved | 0.92 |
| 431-000731101   | 2439247 | Improved | 0.72 |
| 431-000802301   | 2371725 | Improved | 1.21 |
| 431-000803401   | 2331196 | Improved | 1.00 |
| 431-000905201   | 2363642 | Improved | 0.65 |
| 431-000906301   | 2415226 | Improved | 1.13 |
| 431-001206007   | 2313874 | Improved | 1.01 |
| 431-001215001   | 2358119 | Improved | 0.58 |
| 431-001219001   | 2391548 | Improved | 0.50 |
| 431-001812001   | 2374187 | Improved | 0.81 |
| 431-001911001   | 2454398 | Improved | 0.59 |
| 431BE-404001650 | 2342051 | Improved | 0.78 |
| 431BE-404002450 | 2369869 | Improved | 0.64 |
| 431BE-404002570 | 2361099 | Improved | 1.00 |
| 431BE-404005350 | 2379657 | Improved | 0.92 |
| 431BE-404005450 | 2443197 | Improved | 1.16 |
| 431DO-606000950 | 2438420 | Improved | 0.50 |
| 431DO-606001350 | 2305668 | Improved | 1.31 |
| 431DO-606004300 | 2418873 | Improved | 1.34 |
| 431DO-606006000 | 2367660 | Improved | 0.79 |
| 431HO-505001100 | 2376331 | Improved | 1.25 |
| 431HO-505003400 | 2321730 | Improved | 1.22 |
| 458FA-505004800 | 2410808 | Improved | 0.46 |
| 458FA-505005900 | 2412547 | Improved | 0.86 |
| 458FA-505006000 | 2401107 | Vacant   | 0.29 |
| 458GR-505002050 | 2368718 | Improved | 1.00 |
| 458GR-505004000 | 2319719 | Vacant   | 0.60 |
| 458GR-505005250 | 2436467 | Improved | 0.92 |
| 458GR-505008450 | 2476840 | Improved | 0.52 |
| 458GR-505011000 | 2387515 | Improved | 0.94 |
| 460BR-505003850 | 2439162 | Improved | 0.72 |
| 460HA-505001100 | 2440642 | Improved | 1.23 |
| 463MC-505001550 | 2291876 | Vacant   | 0.33 |

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|-----------------|---------|----------|------|
| 463MC-505008600 | 2379463 | Vacant   | 0.09 |
| 487PO-505001550 | 2337486 | Vacant   | 1.33 |
| 488GA-505000050 | 2446479 | Vacant   | 0.32 |
| 488GA-505002800 | 2474225 | Improved | 0.51 |
| 488GA-505006300 | 2323341 | Improved | 0.86 |
| 488GA-505007500 | 2421529 | Vacant   | 2.55 |
| 488SN-505003500 | 2448625 | Improved | 0.99 |
| 488SN-505003600 | 2341969 | Improved | 0.91 |
| 488SN-505003600 | 2410339 | Improved | 0.68 |
| 491HE-303001200 | 2291688 | Vacant   | 0.36 |
| 520FO-404001750 | 2298228 | Vacant   | 0.15 |
| ARBOR-505005000 | 2341929 | Vacant   | 1.03 |
| ARBOR-505005200 | 2261302 | Vacant   | 2.88 |
| ARBOR-505005250 | 2266741 | Vacant   | 0.18 |
| ARBOR-505005250 | 2289376 | Vacant   | 0.60 |
| ARBOR-505012200 | 2327077 | Vacant   | 2.88 |
| ARBOR-505013700 | 2391737 | Vacant   | 1.06 |
| AYLSH-505002800 | 2378604 | Vacant   | 1.44 |
| AYLSH-505002850 | 2432290 | Vacant   | 0.40 |
| AYLSH-505008550 | 2403833 | Vacant   | 1.06 |
| BEATT-505002850 | 2387740 | Vacant   | 1.17 |
| BEATT-505004500 | 2343063 | Vacant   | 0.41 |
| BEATT-505005850 | 2363466 | Improved | 0.99 |
| FOSST-505000100 | 2454179 | Improved | 1.61 |
| FOSST-505000800 | 2339166 | Vacant   | 1.50 |
| FOSST-505000800 | 2433415 | Vacant   | 1.44 |
| FOSST-505000850 | 2332658 | Improved | 1.54 |
| FOSST-505003350 | 2390694 | Improved | 0.86 |
| FOSST-505004100 | 2449623 | Vacant   | 1.32 |
| LOVE-505001900  | 2451861 | Improved | 4.05 |
| LOVE-505002750  | 2267447 | Vacant   | 0.72 |
| LOVE-505003250  | 2449472 | Improved | 1.01 |
| LOVE-505004450  | 2293576 | Vacant   | 1.67 |
| LOVE-505004550  | 2401383 | Improved | 0.88 |
| LOVE-505007000  | 2434304 | Improved | 0.63 |
| LOVE-505009000  | 2312683 | Improved | 0.74 |
| LOVE-505010100  | 2340262 | Improved | 1.13 |
| LOVE-505011000  | 2442939 | Improved | 1.17 |
| LOVE-505013000  | 2360606 | Improved | 1.98 |
| MEATH-404000700 | 2438898 | Vacant   | 0.23 |
| MEATH-404005150 | 2382920 | Vacant   | 1.36 |
| MEATH-404006250 | 2438499 | Vacant   | 1.19 |
| MEATH-404012600 | 2340621 | Vacant   | 1.03 |
| PILGE-505002800 | 2430997 | Improved | 1.23 |
| PILGE-505003050 | 2418443 | Improved | 1.16 |
| PILGE-505004000 | 2360835 | Improved | 1.33 |
| PILGE-505005400 | 2398749 | Improved | 1.28 |
| PILGE-505006300 | 2367027 | Improved | 1.03 |
| PLEAS-505000400 | 2381531 | Improved | 3.15 |
| PLEAS-505001200 | 2390282 | Vacant   | 0.72 |
| PLEAS-505001250 | 2390283 | Vacant   | 0.72 |
| PLEAS-505002750 | 2333224 | Improved | 1.46 |
| PLEAS-505003850 | 2447830 | Improved | 0.92 |

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|-----------------|---------|----------|------|
| PLEAS-505004900 | 2364493 | Improved | 3.35 |
| PLEAS-505006750 | 2416776 | Improved | 0.45 |
| RIDGE-505003100 | 2371496 | Improved | 1.55 |
| RIDGE-505006500 | 2370119 | Improved | 1.00 |
| RIDGE-505009250 | 2315930 | Improved | 1.76 |
| SPALD-505001100 | 2337029 | Vacant   | 0.95 |
| SPALD-505003150 | 2408164 | Vacant   | 1.44 |
| SPALD-505003200 | 2408165 | Vacant   | 1.44 |
| SPALD-505015850 | 2458479 | Vacant   | 1.70 |
| SPALD-505016900 | 2372010 | Vacant   | 1.60 |
| STBEN-505004600 | 2331054 | Improved | 0.73 |
| STBEN-505004750 | 2335347 | Improved | 0.82 |
| STGRE-505010350 | 2388645 | Vacant   | 1.05 |
| WEIRD-505000350 | 2434677 | Improved | 1.01 |
| WEIRD-505005450 | 2447483 | Improved | 0.61 |
| WELDO-494900150 | 2444377 | Vacant   | 1.20 |
| WELDO-495000100 | 2437418 | Vacant   | 2.09 |
| WELDO-505004050 | 2431680 | Vacant   | 1.45 |
| WELDO-505004400 | 2401573 | Vacant   | 0.45 |
| WELDO-505006280 | 2330861 | Vacant   | 0.24 |