

| assessment_id   | sale_id | Vacant_Improved | ASR  |
|-----------------|---------|-----------------|------|
| ESTER-495107000 | 1558552 | Improved        | 0.94 |
| ESTER-495107000 | 2454390 | Improved        | 0.98 |
| ESTER-505005950 | 1535239 | Improved        | 0.85 |
| ESTER-505008000 | 2300486 | Improved        | 1.18 |
| NIPAW-494904150 | 42517   | Improved        | 0.91 |
| NIPAW-494908300 | 2383903 | Improved        | 1.05 |
| NIPAW-494914800 | 2310074 | Improved        | 0.89 |
| NIPAW-494919450 | 2332258 | Improved        | 1.00 |
| NIPAW-494920900 | 2392555 | Improved        | 1.29 |
| NIPAW-494920950 | 2437688 | Improved        | 1.65 |
| NIPAW-504901650 | 2314417 | Improved        | 2.26 |
| NIPAW-504901700 | 2461804 | Improved        | 1.28 |
| NIPAW-504902950 | 2447106 | Improved        | 0.81 |
| NIPAW-504904050 | 2183771 | Improved        | 1.45 |
| NIPAW-504904250 | 2234705 | Improved        | 1.33 |
| NIPAW-504904300 | 2205724 | Improved        | 2.63 |
| NIPAW-504904450 | 2350889 | Improved        | 1.02 |
| NIPAW-504905200 | 2411680 | Improved        | 1.62 |
| NIPAW-504905250 | 2470508 | Improved        | 0.70 |
| NIPAW-504905550 | 42611   | Improved        | 0.87 |
| NIPAW-504905750 | 2227826 | Improved        | 0.66 |
| NIPAW-504911350 | 2326444 | Improved        | 0.95 |
| NIPAW-504913300 | 2408050 | Improved        | 1.63 |
| NIPAW-504913700 | 2291132 | Improved        | 2.02 |
| NIPAW-504916600 | 2306984 | Improved        | 1.97 |
| NIPAW-504916800 | 2360952 | Improved        | 1.32 |
| NIPAW-505000650 | 2284163 | Improved        | 1.08 |
| NIPAW-505001450 | 2114449 | Improved        | 0.62 |
| NIPAW-505001450 | 2443761 | Improved        | 0.55 |
| NIPAW-505001550 | 2404180 | Improved        | 1.00 |
| NIPAW-505001650 | 2350759 | Improved        | 1.81 |
| NIPAW-505003900 | 2444392 | Improved        | 0.25 |
| NIPAW-505004200 | 2245790 | Improved        | 4.20 |
| NIPAW-505004725 | 2435719 | Improved        | 2.09 |
| NIPAW-505004950 | 2419364 | Improved        | 0.80 |
| NIPAW-505005500 | 42358   | Improved        | 0.54 |
| NIPAW-505005800 | 42252   | Improved        | 0.62 |
| NIPAW-505102000 | 2434001 | Improved        | 0.52 |
| NIPAW-505106800 | 2186296 | Improved        | 1.00 |
| NIPAW-505107050 | 2340059 | Improved        | 0.81 |
| NIPAW-514803400 | 2456633 | Improved        | 0.95 |
| NIPAW-514803500 | 2293025 | Improved        | 0.91 |
| NIPAW-514804200 | 2293487 | Improved        | 0.65 |
| NIPAW-514804550 | 2431739 | Improved        | 0.71 |
| NIPAW-514805450 | 2234716 | Improved        | 0.71 |
| NIPAW-514903900 | 2208299 | Improved        | 1.08 |
| NIPAW-514916550 | 2283476 | Improved        | 0.51 |
| NIPAW-514920200 | 2200894 | Improved        | 1.05 |
| NIPAW-524900200 | 2320772 | Improved        | 1.04 |
| TISDA-495006650 | 1515288 | Improved        | 1.06 |
| TISDA-495006650 | 2222351 | Improved        | 0.97 |
| TISDA-495006650 | 2434321 | Improved        | 0.99 |

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|-----------------|---------|----------|------|
| TISDA-495006750 | 1515289 | Improved | 1.05 |
| TISDA-495006750 | 2222352 | Improved | 0.97 |
| TISDA-495006750 | 2434322 | Improved | 1.00 |
| TISDA-505117600 | 2337211 | Improved | 1.96 |
| TISDA-505117700 | 2337212 | Improved | 1.21 |
| TISDA-505120800 | 2344899 | Improved | 1.32 |
| 070KA-505012350 | 2440881 | Improved | 0.35 |
| 070KA-990100200 | 2414051 | Improved | 1.50 |
| 128-000403401   | 2299560 | Improved | 0.63 |
| 137SW-504505760 | 2451157 | Improved | 0.84 |
| 158GP-404028050 | 2245721 | Improved | 0.95 |
| 159SI-606005300 | 2360462 | Improved | 1.07 |
| 159SI-606020200 | 2327977 | Improved | 0.68 |
| 159SI-606100600 | 2307349 | Improved | 1.01 |
| 159SI-606109800 | 2387657 | Improved | 3.01 |
| 159WI-656503400 | 2412681 | Improved | 0.79 |
| 217-000226300   | 2405078 | Improved | 1.38 |
| 224LA-990000250 | 1554395 | Improved | 1.03 |
| 244-000404301   | 2395187 | Improved | 0.99 |
| 244-000414311   | 2229449 | Improved | 0.93 |
| 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 | 0.69 |
| 286-000122102   | 1512213 | Improved | 1.14 |
| 344-000505102   | 2446122 | Improved | 0.59 |
| 344-000819350   | 2188916 | Improved | 0.84 |
| 344-000819410   | 2353023 | Improved | 0.95 |
| 344-000819430   | 2340083 | Improved | 0.70 |
| 370CA-505006400 | 2287249 | Improved | 1.39 |
| 437-000325406   | 2232303 | Improved | 1.02 |
| 437-000629402   | 2074568 | Improved | 1.56 |
| 461LP-505019600 | 2443552 | Improved | 0.90 |
| 468CA-505000100 | 2459318 | Improved | 1.03 |
| 471-000233202   | 2115072 | Improved | 0.69 |
| 472-001531200   | 2359141 | Improved | 1.20 |
| 472-001636101   | 2363343 | Improved | 0.70 |
| 491-000416407   | 2398671 | Improved | 0.69 |
| 491GA-211918550 | 2101942 | Improved | 0.78 |
| BEECH-990001200 | 1514362 | Improved | 0.99 |
| CUTKN-990100300 | 2247820 | Improved | 0.56 |
| DEBDE-505043000 | 2231968 | Improved | 0.83 |
| DRINK-505019100 | 2230867 | Improved | 1.43 |
| HUMBO-495305300 | 2443553 | Improved | 0.79 |
| KINIS-505042500 | 2443556 | Improved | 1.32 |
| KINIS-515005000 | 2442675 | Improved | 1.37 |
| KYLE-505021620  | 2283336 | Improved | 0.61 |
| LAMP-505034000  | 2233464 | Improved | 0.99 |
| LINTL-505015200 | 1571328 | Improved | 3.56 |
| LUCKY-890005600 | 2288877 | Improved | 1.01 |
| LUSEL-515105000 | 2288575 | Improved | 0.98 |
| MELVI-485104550 | 2304684 | Improved | 1.60 |

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|-----------------|---------|----------|------|
| MOOSE-454800300 | 2209486 | Improved | 0.79 |
| MOOSE-455000200 | 2365382 | Improved | 1.38 |
| MOOSE-504933800 | 1200291 | Improved | 0.59 |
| MOOSE-505400150 | 1580927 | Improved | 2.32 |
| NBATT-303016400 | 2385046 | Improved | 1.51 |
| NBATT-535280700 | 2258900 | Improved | 1.23 |
| NBATT-535280850 | 2362069 | Improved | 1.77 |
| NBATT-545336200 | 42054   | Improved | 1.61 |
| NIPAW-494919450 | 2332258 | Improved | 0.99 |
| NIPAW-505106800 | 2186296 | Improved | 1.15 |
| NIPAW-505107050 | 2340059 | Improved | 1.01 |
| NIPAW-514903900 | 2208299 | Improved | 0.83 |
| 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 |
| WEYBU-514811000 | 2367772 | Improved | 2.94 |
| WILKI-890100210 | 2489884 | Improved | 1.80 |
| WOODM-505017000 | 2405740 | Improved | 1.67 |
| YORKT-505203000 | 1510385 | Improved | 1.44 |
| YORKT-505305000 | 2334143 | Improved | 0.85 |
| YOUNG-515011400 | 2244379 | Improved | 1.15 |
| ZEALA-505030000 | 2511334 | Improved | 0.99 |
| 488-001605400   | 2104780 | Vacant   | 0.78 |
| NIPAW-514805475 | 2246024 | Vacant   | 1.00 |
| 487-001310416   | 2457722 | Vacant   | 1.01 |
| 488-001618301   | 2389271 | Vacant   | 0.54 |
| NIPAW-494912500 | 2125009 | Vacant   | 1.53 |
| 488TL-505008150 | 2377754 | Vacant   | 0.41 |
| 487-000720202   | 1572482 | Vacant   | 1.59 |
| 487-001310416   | 1512250 | Vacant   | 0.99 |
| NIPAW-495002050 | 2290196 | Vacant   | 1.64 |
| NIPAW-495017000 | 2374674 | Vacant   | 1.06 |
| NIPAW-505111800 | 39596   | Vacant   | 1.22 |
| NIPAW-505102050 | 2434002 | Vacant   | 0.96 |
| NIPAW-495009050 | 2179017 | Vacant   | 1.19 |
| 488-001622228   | 2393780 | Vacant   | 1.51 |
| NIPAW-514901800 | 2317070 | Vacant   | 1.38 |
| NIPAW-495009800 | 2445605 | Vacant   | 1.13 |
| 488-001622222   | 2325935 | Vacant   | 1.22 |
| 487-001303406   | 2216976 | Vacant   | 1.06 |
| 487CL-505000900 | 2385212 | Vacant   | 1.00 |
| NIPAW-505112150 | 2300822 | Vacant   | 0.89 |
| NIPAW-494916800 | 42292   | Vacant   | 1.98 |
| 487-001310408   | 2225974 | Vacant   | 1.24 |
| NIPAW-504807600 | 2119338 | Vacant   | 0.92 |
| NIPAW-495006650 | 42570   | Vacant   | 0.59 |
| 487TL-505000800 | 2336809 | Vacant   | 0.98 |
| 488-001620301   | 2022931 | Vacant   | 1.00 |

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|-----------------|---------|--------|------|
| 488TL-505002400 | 2056760 | Vacant | 0.64 |
| NIPAW-505114000 | 2341095 | Vacant | 1.06 |
| 487RP-707003150 | 2445276 | Vacant | 0.50 |
| 487RP-707003400 | 2381415 | Vacant | 0.24 |
| NIPAW-495005300 | 2116731 | Vacant | 0.72 |
| 487-000820401   | 2349484 | Vacant | 0.31 |
| NIPAW-494916800 | 2252109 | Vacant | 1.28 |
| NIPAW-495000400 | 42669   | Vacant | 0.35 |
| 487CL-606000450 | 2290419 | Vacant | 0.86 |
| 487CL-606000800 | 2315879 | Vacant | 0.94 |
| 488-001616012   | 2387825 | Vacant | 0.95 |
| NIPAW-495002050 | 39604   | Vacant | 1.10 |
| NIPAW-505112200 | 39658   | Vacant | 0.95 |
| 487CL-606000150 | 2382044 | Vacant | 0.57 |
| NIPAW-514925276 | 2300650 | Vacant | 0.27 |
| 487-001303302   | 2329447 | Vacant | 1.47 |
| 487KL-505004400 | 2390944 | Vacant | 0.35 |
| NIPAW-495000550 | 42568   | Vacant | 0.57 |
| NIPAW-514920250 | 2262957 | Vacant | 0.94 |
| 488-001701102   | 2002704 | Vacant | 0.63 |
| 487RP-707003350 | 2045327 | Vacant | 1.76 |
| 487CL-505001625 | 2312018 | Vacant | 0.48 |
| 487-001303111   | 2265820 | Vacant | 0.55 |
| 487KL-505005550 | 1555063 | Vacant | 1.10 |
| NIPAW-504906700 | 2384462 | Vacant | 0.81 |
| NIPAW-495003750 | 2456972 | Vacant | 1.76 |
| 488-001616008   | 2359598 | Vacant | 1.06 |
| 487RP-707003450 | 2439784 | Vacant | 1.02 |
| 487RP-707003150 | 2383421 | Vacant | 1.14 |
| 487-001310411   | 1538245 | Vacant | 0.83 |
| 487RP-707003550 | 2290167 | Vacant | 0.30 |
| 487-001310417   | 2065708 | Vacant | 0.71 |
| 487TL-505002950 | 2247244 | Vacant | 1.03 |
| 487TL-505000850 | 2332053 | Vacant | 1.51 |
| 487CL-606000750 | 2392885 | Vacant | 1.00 |
| NIPAW-505111575 | 2294292 | Vacant | 1.63 |
| 488TL-505008300 | 1550566 | Vacant | 1.15 |
| NIPAW-514925275 | 2249798 | Vacant | 1.04 |
| NIPAW-495009050 | 2302794 | Vacant | 0.57 |
| NIPAW-494920050 | 2125011 | Vacant | 1.48 |
| 488-001622232   | 2254158 | Vacant | 1.71 |
| NIPAW-514805450 | 2178274 | Vacant | 1.01 |
| 487CL-505001635 | 2413492 | Vacant | 0.70 |
| NIPAW-494920770 | 2390286 | Vacant | 0.66 |
| 488-001622214   | 2421338 | Vacant | 0.97 |
| NIPAW-494800150 | 2113226 | Vacant | 0.98 |
| 487RP-707003350 | 2215759 | Vacant | 1.83 |
| NIPAW-514903950 | 2391861 | Vacant | 1.12 |
| 487-001303404   | 2387141 | Vacant | 1.32 |
| 487TL-505000150 | 2042211 | Vacant | 0.89 |
| 487-001310305   | 2379380 | Vacant | 0.79 |
| NIPAW-495004850 | 2203079 | Vacant | 0.84 |
| 487CL-505000250 | 2284555 | Vacant | 1.08 |

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|-----------------|---------|--------|------|
| NIPAW-514802600 | 2256732 | Vacant | 0.71 |
| 487TL-505000900 | 2444301 | Vacant | 1.07 |
| 487-001303105   | 2433103 | Vacant | 0.93 |
| NIPAW-495002800 | 40323   | Vacant | 0.90 |
| 488-001622229   | 2433054 | Vacant | 1.31 |
| NIPAW-514909750 | 2390575 | Vacant | 1.12 |
| NIPAW-504901600 | 2311981 | Vacant | 1.63 |
| NIPAW-504903050 | 2291512 | Vacant | 0.30 |
| 488-001616011   | 2295039 | Vacant | 1.06 |
| 487KL-505005450 | 1555062 | Vacant | 1.10 |
| 488-001616013   | 2400375 | Vacant | 1.03 |
| 487CL-505001640 | 2394961 | Vacant | 1.20 |
| NIPAW-505100750 | 39510   | Vacant | 0.77 |