

| assessment_id | sale_id | Vacant_Improved | ASR |
|-----------------|---------|-----------------|------|
| MOOSE-474800350 | 1200169 | Improved | 0.99 |
| MOOSE-474800350 | 1417908 | Improved | 0.92 |
| MOOSE-474800450 | 1200516 | Improved | 0.98 |
| MOOSE-474800500 | 2056921 | Improved | 0.93 |
| MOOSE-474800650 | 2033725 | Improved | 1.16 |
| MOOSE-474800700 | 2213297 | Improved | 0.96 |
| MOOSE-474800750 | 1200679 | Improved | 0.91 |
| MOOSE-474800800 | 1571948 | Improved | 1.04 |
| MOOSE-474800850 | 2209804 | Improved | 0.99 |
| MOOSE-474801000 | 1200170 | Improved | 0.98 |
| MOOSE-474801000 | 1581730 | Improved | 1.10 |
| MOOSE-474801050 | 1201064 | Improved | 1.11 |
| MOOSE-474801050 | 1417975 | Improved | 1.24 |
| MOOSE-474801100 | 1201141 | Improved | 1.04 |
| MOOSE-474801250 | 1569093 | Improved | 1.04 |
| MOOSE-474801450 | 1200275 | Improved | 0.90 |
| MOOSE-474801800 | 1201346 | Improved | 0.98 |
| MOOSE-474801850 | 2115392 | Improved | 1.00 |
| MOOSE-474801900 | 1201272 | Vacant | 0.76 |
| MOOSE-474801900 | 2234164 | Improved | 0.93 |
| MOOSE-474801950 | 1201273 | Vacant | 0.76 |
| MOOSE-474802000 | 1201274 | Vacant | 0.76 |
| MOOSE-474802050 | 1400126 | Vacant | 0.83 |
| MOOSE-474802100 | 1201042 | Vacant | 0.89 |
| MOOSE-474802100 | 1417909 | Improved | 1.02 |
| MOOSE-474802100 | 2182397 | Improved | 0.96 |
| MOOSE-474802150 | 1201043 | Vacant | 0.89 |
| MOOSE-474802150 | 2017355 | Improved | 1.05 |
| MOOSE-474802300 | 1200224 | Improved | 1.02 |
| MOOSE-474802400 | 1200149 | Improved | 1.08 |
| MOOSE-474802550 | 2017356 | Vacant | 0.90 |
| MOOSE-474802550 | 2115393 | Improved | 1.03 |
| MOOSE-474803150 | 1570034 | Improved | 0.93 |
| MOOSE-474803350 | 1200304 | Improved | 0.92 |
| MOOSE-474803350 | 2159089 | Improved | 0.97 |
| MOOSE-474803450 | 2033727 | Improved | 1.07 |
| MOOSE-474804100 | 1200745 | Improved | 0.90 |
| MOOSE-474804200 | 1200812 | Improved | 0.92 |
| MOOSE-474804250 | 1400222 | Improved | 1.04 |
| MOOSE-474804250 | 2215905 | Improved | 0.95 |
| MOOSE-474804300 | 2193697 | Improved | 0.88 |
| MOOSE-474804300 | 2221196 | Improved | 0.86 |
| MOOSE-474804400 | 2105285 | Improved | 0.99 |
| MOOSE-474804450 | 1201347 | Improved | 1.01 |
| MOOSE-474804450 | 2232562 | Improved | 0.97 |
| MOOSE-474804500 | 1200681 | Improved | 1.06 |
| MOOSE-474804500 | 2079780 | Improved | 1.04 |
| MOOSE-474804550 | 2219609 | Improved | 0.88 |
| MOOSE-474804650 | 1417753 | Improved | 1.00 |
| MOOSE-474805400 | 2017333 | Improved | 1.00 |
| MOOSE-474805450 | 1417826 | Vacant | 1.05 |
| MOOSE-474805450 | 1583676 | Improved | 0.89 |

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| MOOSE-474805500 | 1417828 | Vacant | 1.05 |
| MOOSE-474805500 | 2008215 | Improved | 1.05 |
| MOOSE-474805550 | 1417827 | Vacant | 1.07 |
| MOOSE-474805550 | 1417972 | Improved | 0.93 |
| MOOSE-474805550 | 2208203 | Improved | 0.82 |
| MOOSE-474805600 | 1417861 | Vacant | 0.97 |
| MOOSE-474805600 | 2074668 | Vacant | 0.72 |
| MOOSE-474805650 | 1417862 | Vacant | 0.82 |
| MOOSE-474805650 | 2082502 | Improved | 1.08 |
| MOOSE-474805750 | 1417863 | Vacant | 0.82 |
| MOOSE-474805750 | 2017330 | Improved | 1.00 |
| MOOSE-474805800 | 1417864 | Vacant | 0.82 |
| MOOSE-474805800 | 2017331 | Improved | 0.98 |
| MOOSE-474805900 | 2082499 | Vacant | 0.80 |
| MOOSE-474805950 | 2080710 | Vacant | 0.78 |
| MOOSE-474808100 | 2222620 | Vacant | 0.90 |
| MOOSE-474808250 | 2183597 | Vacant | 0.91 |
| MOOSE-474808300 | 2080711 | Vacant | 0.79 |
| MOOSE-474810450 | 2194092 | Vacant | 0.87 |
| MOOSE-474810900 | 2076830 | Vacant | 1.03 |
| MOOSE-474811750 | 1201210 | Vacant | 0.98 |
| MOOSE-474812500 | 2076835 | Vacant | 1.03 |
| MOOSE-474812500 | 2232302 | Improved | 1.07 |
| MOOSE-474812600 | 1417829 | Vacant | 1.15 |
| MOOSE-474812600 | 1570026 | Improved | 1.14 |
| MOOSE-474812650 | 2017324 | Vacant | 1.15 |
| MOOSE-474812650 | 2080712 | Improved | 1.02 |
| MOOSE-474812700 | 2017332 | Vacant | 1.15 |
| MOOSE-474812700 | 2217103 | Improved | 1.01 |
| MOOSE-474812800 | 1417691 | Vacant | 1.12 |
| MOOSE-474813950 | 1571945 | Vacant | 0.78 |
| MOOSE-474813950 | 2001956 | Improved | 1.09 |
| MOOSE-474814000 | 1582707 | Vacant | 0.78 |
| MOOSE-474814000 | 2105282 | Improved | 1.05 |
| MOOSE-474814150 | 1571946 | Vacant | 0.78 |
| MOOSE-474814200 | 1570901 | Vacant | 0.78 |
| MOOSE-474814200 | 2092644 | Improved | 0.89 |
| MOOSE-474814250 | 2110645 | Improved | 0.93 |
| MOOSE-474814350 | 1417706 | Improved | 1.01 |
| MOOSE-474814400 | 1200674 | Improved | 1.06 |
| MOOSE-474814400 | 2159082 | Improved | 1.08 |
| MOOSE-474814450 | 1417801 | Improved | 1.03 |
| MOOSE-474814500 | 1201389 | Improved | 1.13 |
| MOOSE-474814550 | 1200239 | Vacant | 0.99 |
| MOOSE-474814550 | 1565377 | Improved | 1.07 |
| MOOSE-474814600 | 1201109 | Improved | 0.98 |
| MOOSE-474814600 | 1417713 | Vacant | 0.99 |
| MOOSE-474814650 | 1417716 | Improved | 0.94 |
| MOOSE-474814700 | 1200221 | Improved | 0.98 |
| MOOSE-474814750 | 1200774 | Improved | 1.03 |
| MOOSE-474814800 | 1201115 | Improved | 1.05 |
| MOOSE-474814950 | 1200238 | Vacant | 0.76 |
| MOOSE-474815000 | 1200954 | Vacant | 1.16 |

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| MOOSE-474815000 | 1565319 | Improved | 1.10 |
| MOOSE-474815050 | 2002843 | Vacant | 0.92 |
| MOOSE-474815050 | 2054019 | Improved | 0.98 |
| MOOSE-474815100 | 1570025 | Improved | 1.10 |
| MOOSE-474815150 | 1583677 | Improved | 0.96 |
| MOOSE-474815200 | 1569087 | Improved | 1.02 |
| MOOSE-474815250 | 1575977 | Improved | 1.08 |
| MOOSE-474815300 | 2003690 | Improved | 1.05 |
| MOOSE-474815350 | 1200001 | Improved | 1.14 |
| MOOSE-474815450 | 1201352 | Vacant | 1.05 |
| MOOSE-474815450 | 2017322 | Improved | 1.06 |
| MOOSE-474815500 | 1201353 | Vacant | 1.04 |
| MOOSE-474815500 | 2065727 | Improved | 0.97 |
| MOOSE-474815550 | 1201354 | Vacant | 1.04 |
| MOOSE-474815550 | 2017323 | Improved | 1.09 |
| MOOSE-474815600 | 1201355 | Vacant | 1.04 |
| MOOSE-474815600 | 2200151 | Improved | 1.04 |
| MOOSE-474815650 | 1201356 | Vacant | 1.05 |
| MOOSE-474815650 | 2173533 | Improved | 1.07 |
| MOOSE-474815700 | 1201357 | Vacant | 1.05 |
| MOOSE-474815700 | 2184777 | Improved | 1.01 |
| MOOSE-474815750 | 1201358 | Vacant | 1.05 |
| MOOSE-474815750 | 2203910 | Improved | 1.03 |
| MOOSE-474815800 | 1201359 | Vacant | 0.99 |
| MOOSE-474815850 | 1201360 | Vacant | 1.01 |
| MOOSE-474815850 | 2007160 | Improved | 1.05 |
| MOOSE-474815900 | 1201361 | Vacant | 0.87 |
| MOOSE-474815950 | 1201362 | Vacant | 0.84 |
| MOOSE-474815950 | 2232489 | Improved | 0.90 |
| MOOSE-474816000 | 1201380 | Vacant | 1.01 |
| MOOSE-474816000 | 2212589 | Improved | 1.04 |
| MOOSE-474816050 | 1201381 | Vacant | 0.96 |
| MOOSE-474816100 | 1201382 | Vacant | 1.02 |
| MOOSE-474816100 | 2076827 | Improved | 1.07 |
| MOOSE-474816150 | 1201383 | Vacant | 1.04 |
| MOOSE-474816150 | 2045372 | Improved | 1.08 |
| MOOSE-474816200 | 1201384 | Vacant | 1.04 |
| MOOSE-474816200 | 2100115 | Improved | 1.05 |
| MOOSE-474816250 | 1201385 | Vacant | 1.04 |
| MOOSE-474816250 | 1579372 | Vacant | 0.92 |
| MOOSE-474816300 | 1201386 | Vacant | 1.04 |
| MOOSE-474816300 | 2212372 | Improved | 1.04 |
| MOOSE-474816350 | 1201387 | Vacant | 1.04 |
| MOOSE-474816350 | 2213931 | Improved | 1.10 |
| MOOSE-474816400 | 1201388 | Vacant | 1.06 |
| MOOSE-474816400 | 2226842 | Improved | 1.30 |
| MOOSE-474816450 | 1418011 | Vacant | 0.76 |
| MOOSE-474816450 | 2007161 | Improved | 0.95 |
| MOOSE-474816500 | 1418012 | Vacant | 0.76 |
| MOOSE-474816550 | 1417749 | Vacant | 0.76 |
| MOOSE-474816550 | 2215215 | Improved | 0.94 |
| MOOSE-474816600 | 1201261 | Vacant | 0.76 |
| MOOSE-474816600 | 1565376 | Improved | 1.07 |

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| MOOSE-474816700 | 2071031 | Vacant | 0.76 |
| MOOSE-474816700 | 2185314 | Improved | 0.98 |
| MOOSE-474900275 | 1201008 | Improved | 1.00 |
| MOOSE-474900600 | 1570903 | Improved | 1.13 |
| MOOSE-474900775 | 2205204 | Improved | 1.03 |
| MOOSE-474900850 | 1200460 | Improved | 0.87 |
| MOOSE-474900850 | 1580917 | Improved | 0.97 |
| MOOSE-474900950 | 1200914 | Improved | 0.98 |
| MOOSE-474901350 | 2045374 | Improved | 1.29 |
| MOOSE-474901450 | 2076837 | Improved | 1.01 |
| MOOSE-474901800 | 2074670 | Improved | 1.12 |
| MOOSE-474902250 | 2080719 | Improved | 1.31 |
| MOOSE-474902350 | 1200718 | Improved | 0.94 |
| MOOSE-474902550 | 1200781 | Improved | 1.08 |
| MOOSE-474902650 | 2071040 | Improved | 1.03 |
| MOOSE-474902700 | 1574144 | Improved | 1.38 |
| MOOSE-474902800 | 2045375 | Improved | 1.12 |
| MOOSE-474903094 | 2076838 | Improved | 1.00 |
| MOOSE-474903600 | 2184461 | Improved | 0.94 |
| MOOSE-474903650 | 2017357 | Vacant | 0.57 |
| MOOSE-474903850 | 2190519 | Improved | 0.79 |
| MOOSE-474903975 | 1200782 | Improved | 0.74 |
| MOOSE-474904200 | 2225483 | Improved | 0.91 |
| MOOSE-474905150 | 1578387 | Improved | 0.85 |
| MOOSE-474905250 | 2206538 | Improved | 1.06 |
| MOOSE-474905300 | 1567283 | Improved | 1.00 |
| MOOSE-474905350 | 1565382 | Improved | 0.88 |
| MOOSE-474905450 | 1200865 | Improved | 0.98 |
| MOOSE-474905550 | 1201009 | Improved | 1.01 |
| MOOSE-474905800 | 1573185 | Improved | 0.91 |
| MOOSE-474905800 | 2029990 | Improved | 1.13 |
| MOOSE-474905850 | 2115394 | Improved | 0.97 |
| MOOSE-474905900 | 1201010 | Improved | 0.86 |
| MOOSE-474906050 | 1201367 | Improved | 0.96 |
| MOOSE-474906900 | 2223981 | Improved | 1.09 |
| MOOSE-474906950 | 1578388 | Improved | 1.11 |
| MOOSE-474907800 | 2183596 | Improved | 1.18 |
| MOOSE-474908100 | 1569094 | Improved | 0.93 |
| MOOSE-474908400 | 1200517 | Improved | 0.90 |
| MOOSE-474909250 | 1417910 | Improved | 1.15 |
| MOOSE-474909500 | 1201011 | Improved | 0.93 |
| MOOSE-474909600 | 1201287 | Improved | 1.09 |
| MOOSE-474910000 | 2004795 | Improved | 1.29 |
| MOOSE-474910150 | 2001960 | Improved | 1.13 |
| MOOSE-474910250 | 2221469 | Improved | 1.02 |
| MOOSE-474910300 | 1201288 | Improved | 1.08 |
| MOOSE-474910400 | 1417998 | Improved | 1.15 |
| MOOSE-474910700 | 1573186 | Improved | 0.92 |
| MOOSE-474911050 | 1200024 | Improved | 0.99 |
| MOOSE-474911200 | 1200461 | Improved | 1.04 |
| MOOSE-474911200 | 2076839 | Improved | 0.92 |
| MOOSE-474911250 | 2223573 | Improved | 0.88 |
| MOOSE-474911400 | 1201065 | Improved | 1.00 |

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| MOOSE-474911450 | 1574145 | Improved | 1.32 |
| MOOSE-474911900 | 1417786 | Improved | 0.99 |
| MOOSE-474912200 | 1201215 | Improved | 1.30 |
| MOOSE-474912750 | 1200831 | Improved | 1.11 |
| MOOSE-474912900 | 2079781 | Improved | 0.97 |
| MOOSE-474913600 | 2079782 | Improved | 1.21 |
| MOOSE-474914450 | 2214431 | Improved | 1.00 |
| MOOSE-474914800 | 1418010 | Improved | 1.05 |
| MOOSE-474916400 | 1200682 | Improved | 0.93 |
| MOOSE-474916550 | 2083167 | Improved | 1.00 |
| MOOSE-474917300 | 2017360 | Improved | 1.07 |
| MOOSE-474917350 | 1583683 | Improved | 1.18 |
| MOOSE-474918450 | 2079101 | Improved | 0.96 |
| MOOSE-474918800 | 1201044 | Improved | 0.91 |
| MOOSE-474919800 | 2159090 | Improved | 0.99 |
| MOOSE-474919900 | 2102329 | Improved | 1.03 |
| MOOSE-474920050 | 2229959 | Improved | 0.94 |
| MOOSE-474921200 | 2054022 | Improved | 0.98 |
| MOOSE-474921400 | 1575988 | Improved | 0.95 |
| MOOSE-474921450 | 2217089 | Improved | 0.98 |
| MOOSE-474921600 | 2184873 | Improved | 0.93 |
| MOOSE-474921900 | 1566222 | Improved | 1.06 |
| MOOSE-474921950 | 2092645 | Improved | 0.99 |
| MOOSE-474922902 | 2045389 | Improved | 1.00 |
| MOOSE-474922903 | 2184010 | Improved | 1.02 |
| MOOSE-474922907 | 2082518 | Improved | 1.04 |
| MOOSE-474922908 | 1567309 | Improved | 0.99 |
| MOOSE-474922910 | 1572468 | Improved | 1.02 |
| MOOSE-474922911 | 1201202 | Improved | 0.91 |
| MOOSE-474923250 | 2190763 | Improved | 1.32 |
| MOOSE-474923300 | 2225949 | Improved | 0.83 |
| MOOSE-474923350 | 1567285 | Improved | 0.88 |
| MOOSE-474923400 | 1200305 | Improved | 0.99 |
| MOOSE-474923450 | 2019440 | Improved | 1.01 |
| MOOSE-474924100 | 1201012 | Improved | 0.84 |
| MOOSE-474924150 | 1417999 | Improved | 1.01 |
| MOOSE-474924650 | 1574146 | Improved | 1.00 |
| MOOSE-474924800 | 2215390 | Improved | 0.82 |
| MOOSE-474925300 | 1200462 | Improved | 1.00 |
| MOOSE-474925800 | 1567286 | Improved | 0.90 |
| MOOSE-474926150 | 2071041 | Improved | 1.00 |
| MOOSE-474926900 | 2222635 | Improved | 0.81 |
| MOOSE-474928050 | 2002845 | Improved | 0.99 |
| MOOSE-474928050 | 2040644 | Improved | 1.01 |
| MOOSE-474928250 | 2217910 | Improved | 0.92 |
| MOOSE-474928300 | 1200863 | Improved | 1.00 |
| MOOSE-474928400 | 2029988 | Improved | 0.86 |
| MOOSE-474928450 | 2051686 | Improved | 1.01 |
| MOOSE-474928800 | 1200958 | Improved | 0.94 |
| MOOSE-474928900 | 1200167 | Improved | 1.10 |
| MOOSE-474929150 | 2017343 | Improved | 0.90 |
| MOOSE-474929350 | 2217671 | Improved | 0.88 |
| MOOSE-474929400 | 1200887 | Improved | 0.91 |

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| MOOSE-474929500 | 2100117 | Improved | 1.01 |
| MOOSE-474929600 | 1200271 | Improved | 0.83 |
| MOOSE-475000150 | 2220528 | Improved | 0.92 |
| MOOSE-475000450 | 2227793 | Improved | 0.87 |
| MOOSE-475000600 | 1201083 | Improved | 0.89 |
| MOOSE-475001000 | 1401166 | Improved | 0.75 |
| MOOSE-475001250 | 2125375 | Improved | 0.97 |
| MOOSE-475001300 | 1565378 | Improved | 0.92 |
| MOOSE-475001350 | 1580916 | Improved | 0.97 |
| MOOSE-475002200 | 1201061 | Improved | 0.91 |
| MOOSE-475002250 | 1200741 | Improved | 0.88 |
| MOOSE-475002250 | 2209809 | Improved | 0.85 |
| MOOSE-475002450 | 2212682 | Improved | 0.82 |
| MOOSE-475002500 | 2125374 | Improved | 0.83 |
| MOOSE-475002950 | 1201249 | Improved | 1.18 |
| MOOSE-475003200 | 2079099 | Improved | 1.06 |
| MOOSE-475003290 | 1200514 | Improved | 0.84 |
| MOOSE-475003350 | 1200480 | Improved | 0.92 |
| MOOSE-475003800 | 1574998 | Improved | 1.02 |
| MOOSE-475003850 | 1582708 | Improved | 0.93 |
| MOOSE-475003900 | 2191676 | Improved | 0.92 |
| MOOSE-475003950 | 1401347 | Improved | 0.89 |
| MOOSE-475004000 | 1572449 | Improved | 0.87 |
| MOOSE-475004000 | 2220249 | Improved | 0.88 |
| MOOSE-475004050 | 2181884 | Improved | 0.91 |
| MOOSE-475004500 | 2023036 | Improved | 1.19 |
| MOOSE-475005000 | 2220225 | Improved | 0.88 |
| MOOSE-475005050 | 1200484 | Improved | 1.10 |
| MOOSE-475005300 | 2216658 | Improved | 1.04 |
| MOOSE-475005550 | 2033726 | Improved | 1.03 |
| MOOSE-475005950 | 1201391 | Improved | 0.97 |
| MOOSE-475006100 | 1569092 | Improved | 0.98 |
| MOOSE-475006100 | 2216871 | Improved | 0.83 |
| MOOSE-475006250 | 2110646 | Improved | 0.87 |
| MOOSE-475006850 | 1200717 | Improved | 1.06 |
| MOOSE-475006850 | 1579375 | Improved | 1.07 |
| MOOSE-475006950 | 2017353 | Improved | 0.94 |
| MOOSE-475007000 | 1200303 | Improved | 0.90 |
| MOOSE-475007250 | 2214857 | Improved | 0.78 |
| MOOSE-475007475 | 2219622 | Improved | 0.87 |
| MOOSE-475008000 | 1417996 | Improved | 1.55 |
| MOOSE-475008600 | 1200808 | Improved | 1.16 |
| MOOSE-475008600 | 1566312 | Improved | 1.17 |
| MOOSE-475008750 | 1417846 | Improved | 1.02 |
| MOOSE-475009050 | 2212995 | Improved | 1.05 |
| MOOSE-475009350 | 2042701 | Improved | 1.16 |
| MOOSE-475009500 | 2205761 | Improved | 1.04 |
| MOOSE-475009550 | 2187507 | Improved | 0.97 |
| MOOSE-475009650 | 1201303 | Improved | 0.98 |
| MOOSE-475009750 | 2100118 | Improved | 1.01 |
| MOOSE-475010100 | 2017345 | Improved | 1.34 |
| MOOSE-475010150 | 2076836 | Improved | 1.15 |
| MOOSE-475010600 | 1200742 | Improved | 1.07 |

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| MOOSE-475010750 | 1200197 | Improved | 1.15 |
| MOOSE-475010750 | 1570028 | Improved | 0.97 |
| MOOSE-475010850 | 1401610 | Improved | 1.11 |
| MOOSE-475010850 | 2229253 | Improved | 1.07 |
| MOOSE-475010950 | 2074669 | Improved | 1.07 |
| MOOSE-475011100 | 2223587 | Improved | 1.04 |
| MOOSE-475011150 | 1401616 | Improved | 1.08 |
| MOOSE-475011300 | 1417765 | Improved | 1.01 |
| MOOSE-475011450 | 2017346 | Improved | 1.11 |
| MOOSE-475011850 | 1201179 | Improved | 1.04 |
| MOOSE-475012050 | 2207223 | Improved | 0.93 |
| MOOSE-475012200 | 2222348 | Improved | 0.93 |
| MOOSE-475012250 | 2102327 | Improved | 0.92 |
| MOOSE-475012700 | 1200481 | Improved | 1.04 |
| MOOSE-475012800 | 1577453 | Improved | 1.31 |
| MOOSE-475012800 | 2040641 | Improved | 0.93 |
| MOOSE-475012900 | 1565379 | Improved | 0.91 |
| MOOSE-475013900 | 2237198 | Improved | 0.90 |
| MOOSE-475014350 | 2204149 | Improved | 0.83 |
| MOOSE-475014500 | 2148281 | Improved | 0.93 |
| MOOSE-475014500 | 2207216 | Improved | 1.09 |
| MOOSE-475014900 | 1417907 | Improved | 1.79 |
| MOOSE-475015150 | 2077280 | Improved | 0.95 |
| MOOSE-475015300 | 1201137 | Improved | 0.99 |
| MOOSE-475015800 | 1581729 | Improved | 1.00 |
| MOOSE-475016300 | 1565342 | Improved | 0.95 |
| MOOSE-475017600 | 2007163 | Improved | 0.93 |
| MOOSE-475018150 | 2230264 | Improved | 1.32 |
| MOOSE-475018350 | 1200515 | Improved | 0.97 |
| MOOSE-475018650 | 1572450 | Improved | 1.16 |
| MOOSE-475019000 | 1569088 | Improved | 0.99 |
| MOOSE-475019600 | 2179991 | Improved | 1.16 |
| MOOSE-475019750 | 1200199 | Improved | 1.42 |
| MOOSE-475019850 | 2217352 | Improved | 1.12 |
| MOOSE-475019900 | 2079778 | Improved | 1.22 |
| MOOSE-475019950 | 1565343 | Improved | 1.09 |
| MOOSE-475020000 | 2218565 | Improved | 1.05 |
| MOOSE-475020150 | 2017350 | Improved | 1.03 |
| MOOSE-475020450 | 1201035 | Improved | 0.93 |
| MOOSE-475020450 | 2203566 | Improved | 0.88 |
| MOOSE-475021700 | 1200676 | Improved | 0.93 |
| MOOSE-475021800 | 1577456 | Improved | 1.05 |
| MOOSE-475022250 | 1566221 | Improved | 0.91 |
| MOOSE-475022600 | 1200777 | Improved | 1.25 |
| MOOSE-475022750 | 2218775 | Improved | 0.93 |
| MOOSE-475022850 | 1200200 | Improved | 0.90 |
| MOOSE-475023400 | 1200716 | Improved | 0.90 |
| MOOSE-475023650 | 2203378 | Improved | 0.98 |
| MOOSE-475024400 | 1200459 | Improved | 1.05 |
| MOOSE-475024650 | 1570029 | Improved | 1.09 |
| MOOSE-475024900 | 2187321 | Improved | 1.41 |
| MOOSE-475026000 | 1200243 | Improved | 1.01 |
| MOOSE-475026250 | 1200888 | Improved | 1.00 |

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| MOOSE-475026450 | 1570030 | Improved | 1.03 |
| MOOSE-475026600 | 1417785 | Improved | 1.00 |
| MOOSE-475026700 | 1201063 | Improved | 1.10 |
| MOOSE-475026950 | 1418015 | Improved | 1.02 |
| MOOSE-475027664 | 2102349 | Improved | 1.24 |
| MOOSE-475027668 | 2100116 | Improved | 1.17 |
| MOOSE-475027672 | 1200807 | Improved | 0.96 |
| MOOSE-475027686 | 2186799 | Improved | 1.23 |
| MOOSE-475027688 | 1580915 | Improved | 1.14 |
| MOOSE-475027690 | 1200511 | Improved | 0.96 |
| MOOSE-475027851 | 2217675 | Improved | 1.20 |
| MOOSE-475027876 | 2230327 | Improved | 0.96 |
| MOOSE-475027892 | 2232766 | Improved | 0.89 |
| MOOSE-475027956 | 2214648 | Improved | 0.99 |
| MOOSE-475027957 | 2212396 | Improved | 0.99 |
| MOOSE-475027964 | 2242838 | Improved | 0.97 |
| MOOSE-475027966 | 2040640 | Improved | 0.52 |
| MOOSE-475027975 | 1576536 | Improved | 0.79 |
| MOOSE-475028117 | 2125400 | Improved | 1.03 |
| MOOSE-475028126 | 1576012 | Improved | 0.88 |
| MOOSE-475028130 | 2082517 | Improved | 1.21 |
| MOOSE-475028131 | 2232786 | Improved | 0.90 |
| MOOSE-475028133 | 2200008 | Improved | 1.24 |
| MOOSE-484605150 | 1418074 | Improved | 0.96 |
| MOOSE-484605350 | 1417973 | Vacant | 1.07 |
| MOOSE-484605550 | 2230391 | Vacant | 0.93 |
| MOOSE-484605750 | 2222873 | Improved | 0.88 |
| MOOSE-484606050 | 1201390 | Improved | 0.87 |
| MOOSE-484606100 | 2238443 | Vacant | 1.16 |
| MOOSE-484606150 | 1200886 | Vacant | 1.07 |
| MOOSE-484606300 | 2105283 | Improved | 0.87 |
| MOOSE-484606400 | 2236495 | Vacant | 0.96 |
| MOOSE-484606450 | 1200242 | Vacant | 1.05 |
| MOOSE-484606750 | 1417292 | Vacant | 1.03 |
| MOOSE-484606950 | 2051683 | Improved | 0.95 |
| MOOSE-484607200 | 2023035 | Vacant | 1.05 |
| MOOSE-484607250 | 1201116 | Vacant | 1.11 |
| MOOSE-484607350 | 2218035 | Improved | 0.85 |
| MOOSE-484608600 | 1200829 | Vacant | 0.92 |
| MOOSE-484608750 | 1200237 | Vacant | 0.82 |
| MOOSE-484608750 | 2023034 | Improved | 0.86 |
| MOOSE-484609050 | 2215912 | Vacant | 1.11 |
| MOOSE-484700015 | 1200809 | Improved | 0.78 |
| MOOSE-484700065 | 1402142 | Improved | 0.81 |
| MOOSE-484700150 | 1200810 | Improved | 0.79 |
| MOOSE-484700150 | 1574142 | Improved | 0.82 |
| MOOSE-484700500 | 2001958 | Improved | 0.74 |
| MOOSE-484700700 | 2237020 | Improved | 1.22 |
| MOOSE-484701550 | 1200458 | Improved | 0.81 |
| MOOSE-484701550 | 2017348 | Improved | 0.65 |
| MOOSE-484701800 | 1577455 | Improved | 0.88 |
| MOOSE-484702000 | 1200482 | Improved | 1.22 |
| MOOSE-484702100 | 1571947 | Improved | 1.10 |

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| MOOSE-484702900 | 2017349 | Improved | 1.00 |
| MOOSE-484704100 | 1201213 | Improved | 1.01 |
| MOOSE-484704600 | 1566224 | Improved | 1.23 |
| MOOSE-484704650 | 2082505 | Improved | 0.94 |
| MOOSE-484705000 | 2205034 | Improved | 0.90 |
| MOOSE-484705325 | 2181273 | Improved | 0.98 |
| MOOSE-484705350 | 1200080 | Improved | 0.93 |
| MOOSE-484705600 | 1200150 | Improved | 1.13 |
| MOOSE-484705650 | 2218184 | Improved | 1.04 |
| MOOSE-484706450 | 2007168 | Improved | 1.18 |
| MOOSE-484706704 | 1402269 | Improved | 0.99 |
| MOOSE-484706714 | 1200464 | Improved | 0.88 |
| MOOSE-484706739 | 1200521 | Improved | 0.62 |
| MOOSE-484706739 | 2017367 | Improved | 0.70 |
| MOOSE-484706747 | 1574149 | Improved | 0.69 |
| MOOSE-484707325 | 2019442 | Improved | 1.21 |
| MOOSE-484707950 | 2017368 | Improved | 1.00 |
| MOOSE-484708300 | 2235901 | Improved | 1.36 |
| MOOSE-484708400 | 2208855 | Improved | 1.14 |
| MOOSE-484709000 | 1201120 | Improved | 0.95 |
| MOOSE-484710000 | 2204429 | Improved | 1.17 |
| MOOSE-484710100 | 2232203 | Improved | 1.01 |
| MOOSE-484710150 | 1569096 | Improved | 1.01 |
| MOOSE-484710700 | 1200961 | Improved | 1.19 |
| MOOSE-484710700 | 2019443 | Improved | 1.03 |
| MOOSE-484711200 | 2125382 | Improved | 1.17 |
| MOOSE-484711250 | 2042704 | Improved | 1.37 |
| MOOSE-484711450 | 1581732 | Improved | 1.25 |
| MOOSE-484711500 | 2227078 | Improved | 0.97 |
| MOOSE-484711700 | 2219135 | Improved | 1.10 |
| MOOSE-484711750 | 1201014 | Improved | 0.90 |
| MOOSE-484712650 | 2209936 | Improved | 0.97 |
| MOOSE-484712950 | 2033729 | Improved | 1.04 |
| MOOSE-484713000 | 1573187 | Improved | 0.91 |
| MOOSE-484713300 | 1201015 | Improved | 0.93 |
| MOOSE-484714800 | 1402449 | Improved | 1.34 |
| MOOSE-484715000 | 2213991 | Improved | 0.95 |
| MOOSE-484715350 | 1578390 | Improved | 1.08 |
| MOOSE-484715450 | 2008225 | Improved | 0.88 |
| MOOSE-484715800 | 2100120 | Improved | 1.04 |
| MOOSE-484715950 | 1200004 | Improved | 0.93 |
| MOOSE-484716100 | 2042705 | Improved | 0.94 |
| MOOSE-484716500 | 1578391 | Improved | 1.06 |
| MOOSE-484716850 | 2148283 | Improved | 1.08 |
| MOOSE-484716950 | 2204123 | Improved | 0.91 |
| MOOSE-484717050 | 2056923 | Improved | 1.02 |
| MOOSE-484717100 | 1200522 | Improved | 0.83 |
| MOOSE-484717450 | 2173538 | Improved | 1.13 |
| MOOSE-484718250 | 1583684 | Improved | 0.96 |
| MOOSE-484718400 | 1201180 | Improved | 0.94 |
| MOOSE-484718750 | 2200872 | Improved | 1.06 |
| MOOSE-484718810 | 2007170 | Improved | 1.13 |
| MOOSE-484718813 | 1200934 | Improved | 1.15 |

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| MOOSE-484719000 | 1575001 | Improved | 0.97 |
| MOOSE-484719100 | 1402604 | Improved | 1.02 |
| MOOSE-484719200 | 2195597 | Improved | 0.94 |
| MOOSE-484719400 | 2115396 | Improved | 0.88 |
| MOOSE-484719550 | 1200866 | Improved | 0.87 |
| MOOSE-484719850 | 1200833 | Improved | 1.25 |
| MOOSE-484719850 | 1568210 | Improved | 0.91 |
| MOOSE-484720100 | 2001961 | Improved | 0.96 |
| MOOSE-484720300 | 1200720 | Improved | 1.00 |
| MOOSE-484720400 | 1567287 | Improved | 0.99 |
| MOOSE-484720450 | 2079786 | Improved | 0.87 |
| MOOSE-484720500 | 1402620 | Improved | 1.29 |
| MOOSE-484720700 | 2079105 | Improved | 0.96 |
| MOOSE-484720950 | 1582713 | Improved | 0.93 |
| MOOSE-484721050 | 1417848 | Improved | 1.00 |
| MOOSE-484721200 | 2017370 | Improved | 1.14 |
| MOOSE-484721250 | 2182332 | Improved | 0.88 |
| MOOSE-484721600 | 1200523 | Improved | 0.90 |
| MOOSE-484721750 | 2212542 | Improved | 0.72 |
| MOOSE-484721950 | 1201290 | Improved | 1.17 |
| MOOSE-484722200 | 2136898 | Improved | 1.12 |
| MOOSE-484722850 | 1565346 | Improved | 0.89 |
| MOOSE-484723100 | 1201305 | Improved | 1.34 |
| MOOSE-484723150 | 2082507 | Improved | 0.74 |
| MOOSE-484723250 | 2051690 | Improved | 1.03 |
| MOOSE-484723950 | 2223096 | Improved | 0.89 |
| MOOSE-484724000 | 1200245 | Improved | 0.78 |
| MOOSE-484724350 | 1565347 | Improved | 1.01 |
| MOOSE-484724350 | 2205392 | Improved | 0.91 |
| MOOSE-484724550 | 1200687 | Improved | 1.12 |
| MOOSE-484724550 | 2159092 | Improved | 0.89 |
| MOOSE-484724650 | 2221918 | Improved | 1.03 |
| MOOSE-484724700 | 1200203 | Improved | 0.89 |
| MOOSE-484725500 | 2184855 | Improved | 1.61 |
| MOOSE-484725650 | 1575991 | Improved | 1.27 |
| MOOSE-484725700 | 2056924 | Improved | 0.82 |
| MOOSE-484726350 | 2004797 | Improved | 0.92 |
| MOOSE-484726800 | 1417977 | Improved | 0.93 |
| MOOSE-484726850 | 2216339 | Improved | 0.95 |
| MOOSE-484727400 | 1417877 | Improved | 0.78 |
| MOOSE-484728150 | 1581733 | Improved | 0.77 |
| MOOSE-484728450 | 1565408 | Improved | 1.06 |
| MOOSE-484728650 | 1417771 | Improved | 0.85 |
| MOOSE-484728800 | 1201067 | Improved | 1.02 |
| MOOSE-484728850 | 2042706 | Improved | 1.41 |
| MOOSE-484801150 | 2212582 | Improved | 1.00 |
| MOOSE-484801950 | 1201140 | Improved | 1.06 |
| MOOSE-484802150 | 2082504 | Improved | 0.93 |
| MOOSE-484802250 | 1200300 | Improved | 0.85 |
| MOOSE-484802925 | 1417925 | Improved | 0.93 |
| MOOSE-484802950 | 1200959 | Improved | 1.13 |
| MOOSE-484803050 | 1200779 | Improved | 0.93 |
| MOOSE-484803200 | 2071038 | Improved | 1.47 |

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| MOOSE-484803250 | 1402861 | Improved | 1.30 |
| MOOSE-484803550 | 1201004 | Improved | 1.00 |
| MOOSE-484804350 | 1200301 | Improved | 0.91 |
| MOOSE-484804400 | 2207638 | Improved | 0.86 |
| MOOSE-484804450 | 2051689 | Improved | 0.88 |
| MOOSE-484804550 | 1565380 | Improved | 0.73 |
| MOOSE-484804875 | 2023037 | Improved | 1.04 |
| MOOSE-484805025 | 2186004 | Improved | 1.32 |
| MOOSE-484805375 | 2217046 | Improved | 0.93 |
| MOOSE-484805525 | 2221720 | Improved | 1.15 |
| MOOSE-484805625 | 1402955 | Improved | 1.05 |
| MOOSE-484805850 | 1200002 | Improved | 1.26 |
| MOOSE-484805850 | 2029989 | Improved | 0.87 |
| MOOSE-484806050 | 2056918 | Improved | 1.00 |
| MOOSE-484806950 | 1578385 | Improved | 1.58 |
| MOOSE-484806950 | 2079779 | Improved | 1.59 |
| MOOSE-484807100 | 1201005 | Improved | 1.07 |
| MOOSE-484807200 | 2077281 | Improved | 1.09 |
| MOOSE-484807200 | 2079100 | Improved | 1.09 |
| MOOSE-484807250 | 1569091 | Improved | 1.06 |
| MOOSE-484808300 | 2008223 | Improved | 1.02 |
| MOOSE-484808750 | 2071039 | Improved | 0.80 |
| MOOSE-484809050 | 1403017 | Improved | 1.38 |
| MOOSE-484809500 | 2125377 | Improved | 1.11 |
| MOOSE-484809950 | 2226638 | Improved | 1.04 |
| MOOSE-484811650 | 1200683 | Improved | 1.03 |
| MOOSE-484811700 | 1417976 | Improved | 1.26 |
| MOOSE-484811950 | 1201159 | Improved | 1.17 |
| MOOSE-484812200 | 1200202 | Improved | 1.06 |
| MOOSE-484812400 | 1575989 | Improved | 1.17 |
| MOOSE-484812450 | 2181960 | Improved | 0.95 |
| MOOSE-484813000 | 1571949 | Improved | 0.90 |
| MOOSE-484813250 | 2002846 | Improved | 1.09 |
| MOOSE-484813600 | 1201231 | Improved | 1.41 |
| MOOSE-484813700 | 1570904 | Improved | 0.75 |
| MOOSE-484813850 | 2210303 | Improved | 0.92 |
| MOOSE-484813950 | 2159093 | Improved | 1.08 |
| MOOSE-484814200 | 2217199 | Improved | 0.95 |
| MOOSE-484814400 | 1582714 | Improved | 0.92 |
| MOOSE-484814550 | 2202669 | Improved | 1.08 |
| MOOSE-484815100 | 1200278 | Improved | 1.03 |
| MOOSE-484815650 | 1581807 | Improved | 1.19 |
| MOOSE-484816400 | 2040647 | Improved | 1.16 |
| MOOSE-484816600 | 2220162 | Improved | 0.76 |
| MOOSE-484816700 | 1200989 | Improved | 1.08 |
| MOOSE-484816900 | 2083168 | Improved | 1.21 |
| MOOSE-484817000 | 2092647 | Improved | 0.95 |
| MOOSE-484817400 | 1403197 | Improved | 1.19 |
| MOOSE-484818050 | 2215920 | Improved | 1.09 |
| MOOSE-484818200 | 2206190 | Improved | 0.91 |
| MOOSE-484900404 | 2249072 | Improved | 1.08 |
| MOOSE-484900406 | 2213300 | Improved | 1.14 |
| MOOSE-484900409 | 2234022 | Improved | 0.98 |

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| MOOSE-484900456 | 2183034 | Improved | 1.09 |
| MOOSE-484900456 | 2237432 | Improved | 1.01 |
| MOOSE-484900457 | 1200273 | Improved | 0.97 |
| MOOSE-484900461 | 1567307 | Improved | 1.08 |
| MOOSE-484900472 | 2232782 | Improved | 0.92 |
| MOOSE-484900474 | 2001959 | Improved | 1.02 |
| MOOSE-484900482 | 1201107 | Improved | 0.95 |
| MOOSE-484900483 | 2125401 | Improved | 1.00 |
| MOOSE-484900487 | 2212911 | Improved | 0.95 |
| MOOSE-484900488 | 2056920 | Improved | 0.91 |
| MOOSE-484900596 | 2232770 | Improved | 1.00 |
| MOOSE-484900624 | 1580260 | Improved | 1.11 |
| MOOSE-484900652 | 2232788 | Improved | 0.84 |
| MOOSE-484900679 | 1576539 | Improved | 1.00 |
| MOOSE-484901150 | 2186092 | Improved | 0.90 |
| MOOSE-484901400 | 1403285 | Improved | 1.52 |
| MOOSE-484901400 | 2054023 | Improved | 0.82 |
| MOOSE-484901550 | 2213125 | Improved | 0.84 |
| MOOSE-484901700 | 2219934 | Improved | 0.86 |
| MOOSE-484901750 | 1200306 | Improved | 0.80 |
| MOOSE-484902500 | 2017380 | Improved | 1.03 |
| MOOSE-484902750 | 1573188 | Improved | 1.65 |
| MOOSE-484902900 | 2192792 | Improved | 1.18 |
| MOOSE-484903000 | 1570035 | Improved | 1.30 |
| MOOSE-484903350 | 2191439 | Improved | 0.83 |
| MOOSE-484903450 | 1200006 | Improved | 1.01 |
| MOOSE-484903550 | 1201216 | Improved | 1.05 |
| MOOSE-484903650 | 1201182 | Improved | 0.91 |
| MOOSE-484903950 | 1200057 | Improved | 0.80 |
| MOOSE-484904100 | 2223147 | Improved | 0.84 |
| MOOSE-484904500 | 1201276 | Improved | 1.03 |
| MOOSE-484904500 | 2216587 | Improved | 0.80 |
| MOOSE-484904800 | 1200869 | Improved | 1.32 |
| MOOSE-484904900 | 2080721 | Improved | 1.00 |
| MOOSE-484905000 | 1201306 | Improved | 0.97 |
| MOOSE-484905200 | 2065733 | Improved | 0.95 |
| MOOSE-484906100 | 2227241 | Improved | 1.07 |
| MOOSE-484906700 | 2225856 | Improved | 1.48 |
| MOOSE-484906850 | 1417978 | Improved | 1.23 |
| MOOSE-484907050 | 1200835 | Improved | 0.71 |
| MOOSE-484907050 | 1403429 | Improved | 0.90 |
| MOOSE-484907200 | 1566227 | Improved | 1.07 |
| MOOSE-484907300 | 2071042 | Improved | 1.33 |
| MOOSE-484907350 | 2217110 | Improved | 0.89 |
| MOOSE-484907750 | 1200748 | Improved | 0.75 |
| MOOSE-484907950 | 1567288 | Improved | 1.35 |
| MOOSE-484907950 | 2183842 | Improved | 0.76 |
| MOOSE-484908000 | 1570905 | Improved | 0.98 |
| MOOSE-484908150 | 1417772 | Improved | 0.84 |
| MOOSE-484908150 | 2051692 | Improved | 0.83 |
| MOOSE-485000229 | 2248008 | Improved | 1.03 |
| MOOSE-485000233 | 2233478 | Improved | 0.83 |
| MOOSE-485001450 | 2192651 | Improved | 1.00 |

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| MOOSE-485001650 | 2219651 | Improved | 0.99 |
| MOOSE-485002950 | 2045378 | Vacant | 0.88 |
| MOOSE-485003050 | 2205830 | Improved | 0.83 |
| MOOSE-485003400 | 2056925 | Improved | 0.82 |
| MOOSE-485003550 | 2204863 | Improved | 1.48 |
| MOOSE-485003950 | 2235369 | Improved | 1.15 |
| MOOSE-485004300 | 1200007 | Improved | 0.90 |
| MOOSE-485004350 | 2218368 | Improved | 0.94 |
| MOOSE-485004750 | 1200837 | Improved | 1.31 |
| MOOSE-485005350 | 2004799 | Improved | 0.94 |
| MOOSE-485005750 | 1418002 | Improved | 1.71 |
| MOOSE-485005850 | 1200892 | Improved | 0.84 |
| MOOSE-485006200 | 1200783 | Improved | 0.96 |
| MOOSE-485006200 | 2056926 | Improved | 0.76 |
| MOOSE-485006250 | 1417804 | Improved | 1.00 |
| MOOSE-485006250 | 2203074 | Improved | 0.69 |
| MOOSE-485006400 | 1200151 | Improved | 0.74 |
| MOOSE-485006650 | 2023038 | Improved | 0.73 |
| MOOSE-485007050 | 1200784 | Improved | 0.83 |
| MOOSE-485007250 | 2017381 | Improved | 0.99 |
| MOOSE-485007350 | 2180295 | Improved | 1.08 |
| MOOSE-485007450 | 1417911 | Improved | 1.15 |
| MOOSE-485008000 | 2017382 | Improved | 0.75 |
| MOOSE-485008600 | 1569097 | Improved | 0.95 |
| MOOSE-485008700 | 1200466 | Improved | 1.20 |
| MOOSE-485008850 | 1578392 | Improved | 0.98 |
| MOOSE-485009700 | 2079787 | Improved | 0.90 |
| MOOSE-485010100 | 1200893 | Improved | 0.97 |
| MOOSE-485011500 | 2029992 | Improved | 1.12 |
| MOOSE-485011500 | 2080722 | Improved | 1.33 |
| MOOSE-485011950 | 1565348 | Improved | 1.12 |
| MOOSE-485012100 | 1575993 | Improved | 0.60 |
| MOOSE-485012100 | 2209230 | Improved | 0.83 |
| MOOSE-485012250 | 1201263 | Improved | 1.11 |
| MOOSE-485012300 | 2210225 | Improved | 0.90 |
| MOOSE-485012357 | 2215682 | Improved | 1.03 |
| MOOSE-485012360 | 2007172 | Improved | 0.77 |
| MOOSE-485012360 | 2102330 | Improved | 1.00 |
| MOOSE-485012362 | 2083169 | Improved | 1.13 |
| MOOSE-485013750 | 1200719 | Improved | 0.74 |
| MOOSE-485013750 | 1566283 | Improved | 0.75 |
| MOOSE-485013800 | 2230275 | Improved | 1.33 |
| MOOSE-485014200 | 1200933 | Improved | 1.09 |
| MOOSE-485014650 | 2076840 | Improved | 1.16 |
| MOOSE-485015500 | 2017362 | Improved | 1.43 |
| MOOSE-485101104 | 1417844 | Improved | 0.84 |
| MOOSE-485101105 | 2209058 | Improved | 1.08 |
| MOOSE-485101106 | 2208082 | Improved | 1.13 |
| MOOSE-485101112 | 2210280 | Improved | 1.20 |
| MOOSE-485101209 | 2071037 | Improved | 1.03 |
| MOOSE-485101210 | 1200244 | Improved | 1.44 |
| MOOSE-485101211 | 2181401 | Improved | 1.15 |
| MOOSE-485101216 | 2040643 | Improved | 1.18 |

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| MOOSE-485101218 | 1570032 | Improved | 1.46 |
| MOOSE-485101303 | 2188776 | Improved | 0.98 |
| MOOSE-485101307 | 2033724 | Improved | 1.05 |
| MOOSE-485101307 | 2115390 | Improved | 0.94 |
| MOOSE-485101314 | 1201262 | Improved | 1.40 |
| MOOSE-485101315 | 2004792 | Improved | 0.97 |
| MOOSE-485101316 | 1200483 | Improved | 1.20 |
| MOOSE-485101633 | 2003902 | Improved | 0.99 |
| MOOSE-485168018 | 2232791 | Improved | 0.97 |
| MOOSE-485169010 | 2136905 | Improved | 1.01 |
| MOOSE-485169014 | 2232767 | Improved | 0.95 |
| MOOSE-494700050 | 1200246 | Improved | 1.10 |
| MOOSE-494700200 | 1200281 | Improved | 0.93 |
| MOOSE-494700350 | 2212622 | Improved | 1.10 |
| MOOSE-494700700 | 1200205 | Improved | 0.99 |
| MOOSE-494700750 | 2202834 | Improved | 0.89 |
| MOOSE-494700950 | 1579380 | Improved | 0.96 |
| MOOSE-494700950 | 2215926 | Improved | 0.94 |
| MOOSE-494701250 | 2017383 | Improved | 0.98 |
| MOOSE-494702200 | 1581735 | Improved | 1.15 |
| MOOSE-494702400 | 2223771 | Improved | 1.16 |
| MOOSE-494702850 | 1579381 | Improved | 1.22 |
| MOOSE-494703050 | 2188079 | Improved | 0.97 |
| MOOSE-494703100 | 1418018 | Improved | 0.89 |
| MOOSE-494703350 | 2239085 | Improved | 0.84 |
| MOOSE-494703650 | 1200206 | Improved | 1.16 |
| MOOSE-494703650 | 2236236 | Improved | 1.10 |
| MOOSE-494703700 | 2076842 | Improved | 0.93 |
| MOOSE-494703950 | 2080723 | Improved | 1.17 |
| MOOSE-494704100 | 2238752 | Improved | 0.89 |
| MOOSE-494704150 | 1200152 | Improved | 1.23 |
| MOOSE-494704300 | 1418003 | Improved | 0.95 |
| MOOSE-494704350 | 2210290 | Improved | 1.08 |
| MOOSE-494704500 | 1200749 | Improved | 0.81 |
| MOOSE-494705300 | 1200990 | Improved | 0.93 |
| MOOSE-494705300 | 2187371 | Improved | 0.97 |
| MOOSE-494706100 | 1200488 | Improved | 0.83 |
| MOOSE-494706400 | 2212447 | Improved | 0.91 |
| MOOSE-494706750 | 1200247 | Improved | 0.94 |
| MOOSE-494706750 | 2196013 | Improved | 0.90 |
| MOOSE-494706850 | 1565410 | Improved | 1.12 |
| MOOSE-494707450 | 1201121 | Improved | 1.05 |
| MOOSE-494707450 | 2236351 | Improved | 0.84 |
| MOOSE-494707800 | 2235368 | Improved | 0.98 |
| MOOSE-494707950 | 2092648 | Improved | 0.83 |
| MOOSE-494708100 | 1570036 | Improved | 0.95 |
| MOOSE-494708300 | 1565383 | Improved | 1.17 |
| MOOSE-494708300 | 2208098 | Improved | 0.93 |
| MOOSE-494708400 | 2017386 | Improved | 1.54 |
| MOOSE-494708950 | 1200153 | Improved | 0.77 |
| MOOSE-494709000 | 2180260 | Improved | 1.11 |
| MOOSE-494709150 | 2125384 | Improved | 1.39 |
| MOOSE-494710600 | 1565350 | Improved | 1.01 |

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| MOOSE-494711350 | 2076843 | Improved | 1.09 |
| MOOSE-494711400 | 2100122 | Improved | 0.95 |
| MOOSE-494711900 | 1575994 | Improved | 0.97 |
| MOOSE-494713350 | 2207539 | Improved | 0.90 |
| MOOSE-494713750 | 1565322 | Improved | 1.00 |
| MOOSE-494714519 | 1417995 | Improved | 1.21 |
| MOOSE-494714534 | 2232763 | Improved | 1.00 |
| MOOSE-494714538 | 2232787 | Improved | 0.97 |
| MOOSE-494714542 | 2232751 | Improved | 0.92 |
| MOOSE-494714546 | 1569090 | Improved | 1.09 |
| MOOSE-494714553 | 1417768 | Improved | 0.97 |
| MOOSE-494715100 | 2209667 | Improved | 0.82 |
| MOOSE-494715700 | 2148285 | Improved | 1.29 |
| MOOSE-494716050 | 1417912 | Improved | 0.82 |
| MOOSE-494716350 | 1404266 | Improved | 0.85 |
| MOOSE-494716550 | 1200525 | Improved | 1.01 |
| MOOSE-494716800 | 1575995 | Improved | 1.15 |
| MOOSE-494716950 | 1201145 | Improved | 0.98 |
| MOOSE-494717000 | 1201183 | Improved | 0.98 |
| MOOSE-494717700 | 1200026 | Improved | 1.10 |
| MOOSE-494717850 | 1200174 | Improved | 1.19 |
| MOOSE-494717900 | 1574150 | Improved | 1.04 |
| MOOSE-494718300 | 1200526 | Improved | 0.99 |
| MOOSE-494718600 | 2102331 | Improved | 1.30 |
| MOOSE-494718600 | 2209979 | Improved | 0.75 |
| MOOSE-494718750 | 1201068 | Improved | 0.98 |
| MOOSE-494718750 | 2237760 | Improved | 0.93 |
| MOOSE-494719450 | 2102332 | Improved | 1.04 |
| MOOSE-494719800 | 2228161 | Improved | 1.30 |
| MOOSE-494720450 | 1200813 | Improved | 0.92 |
| MOOSE-494720900 | 1404364 | Improved | 0.77 |
| MOOSE-494720900 | 2173540 | Improved | 0.77 |
| MOOSE-494721100 | 1201368 | Improved | 1.10 |
| MOOSE-494721200 | 2186749 | Improved | 1.16 |
| MOOSE-494721200 | 2230229 | Improved | 0.78 |
| MOOSE-494721350 | 1201264 | Improved | 1.01 |
| MOOSE-494721650 | 1417832 | Improved | 0.98 |
| MOOSE-494722050 | 2092649 | Improved | 0.92 |
| MOOSE-494722200 | 1200721 | Improved | 1.05 |
| MOOSE-494722450 | 2051693 | Improved | 1.08 |
| MOOSE-494723000 | 1580263 | Improved | 1.17 |
| MOOSE-494723400 | 1577460 | Improved | 1.31 |
| MOOSE-494723400 | 2189745 | Improved | 0.73 |
| MOOSE-494724300 | 1417913 | Improved | 0.93 |
| MOOSE-494724300 | 2217030 | Improved | 0.71 |
| MOOSE-494724400 | 2194407 | Improved | 0.91 |
| MOOSE-494724650 | 2082509 | Improved | 1.07 |
| MOOSE-494724750 | 2209490 | Improved | 1.10 |
| MOOSE-494725700 | 1567289 | Improved | 1.14 |
| MOOSE-494725900 | 1568211 | Improved | 1.05 |
| MOOSE-494726150 | 1200963 | Improved | 1.22 |
| MOOSE-494726150 | 1576542 | Improved | 0.61 |
| MOOSE-494800350 | 1201289 | Improved | 1.15 |

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| MOOSE-494800400 | 1200225 | Improved | 0.85 |
| MOOSE-494800400 | 2196344 | Improved | 0.87 |
| MOOSE-494800850 | 1418017 | Improved | 1.02 |
| MOOSE-494800850 | 2080720 | Improved | 0.74 |
| MOOSE-494801300 | 2079102 | Improved | 0.96 |
| MOOSE-494801500 | 2230942 | Improved | 0.76 |
| MOOSE-494801550 | 2220422 | Improved | 0.76 |
| MOOSE-494801800 | 2197479 | Improved | 1.13 |
| MOOSE-494802450 | 1200518 | Improved | 1.02 |
| MOOSE-494802600 | 2179857 | Improved | 0.96 |
| MOOSE-494802900 | 1200519 | Improved | 0.98 |
| MOOSE-494803100 | 1417876 | Improved | 0.74 |
| MOOSE-494803200 | 2230397 | Improved | 1.03 |
| MOOSE-494803350 | 2228385 | Improved | 1.10 |
| MOOSE-494803500 | 2110648 | Improved | 1.04 |
| MOOSE-494803600 | 1565406 | Improved | 0.95 |
| MOOSE-494804250 | 2213988 | Improved | 1.25 |
| MOOSE-494804300 | 1201160 | Improved | 1.43 |
| MOOSE-494804300 | 1565323 | Improved | 0.85 |
| MOOSE-494804350 | 2204779 | Improved | 0.94 |
| MOOSE-494804400 | 2200541 | Improved | 1.04 |
| MOOSE-494804500 | 1417773 | Improved | 0.90 |
| MOOSE-494804600 | 1581736 | Improved | 1.00 |
| MOOSE-494804750 | 2203459 | Improved | 1.19 |
| MOOSE-494805300 | 2173541 | Improved | 0.77 |
| MOOSE-494805500 | 2054024 | Improved | 1.23 |
| MOOSE-494805650 | 1200467 | Improved | 1.06 |
| MOOSE-494805650 | 1404585 | Improved | 0.87 |
| MOOSE-494806200 | 1200751 | Improved | 0.97 |
| MOOSE-494806450 | 1201016 | Improved | 0.94 |
| MOOSE-494806600 | 1200992 | Improved | 1.14 |
| MOOSE-494806700 | 2181673 | Improved | 1.22 |
| MOOSE-494806700 | 2207294 | Improved | 1.27 |
| MOOSE-494806900 | 1577461 | Improved | 0.98 |
| MOOSE-494807000 | 1200786 | Improved | 0.95 |
| MOOSE-494807000 | 2215187 | Improved | 0.97 |
| MOOSE-494807300 | 1417878 | Improved | 1.12 |
| MOOSE-494807500 | 1200250 | Improved | 1.07 |
| MOOSE-494808300 | 1200897 | Improved | 0.95 |
| MOOSE-494808750 | 2236025 | Improved | 0.89 |
| MOOSE-494809250 | 1575996 | Improved | 1.20 |
| MOOSE-494810050 | 2074674 | Improved | 1.10 |
| MOOSE-494810350 | 2045379 | Improved | 1.02 |
| MOOSE-494810500 | 1567291 | Improved | 1.03 |
| MOOSE-494811200 | 1565384 | Improved | 1.05 |
| MOOSE-494811500 | 1418019 | Improved | 1.16 |
| MOOSE-494811500 | 2219050 | Improved | 0.70 |
| MOOSE-494811600 | 2159094 | Improved | 0.94 |
| MOOSE-494811900 | 1417867 | Improved | 1.03 |
| MOOSE-494812000 | 2238065 | Improved | 1.26 |
| MOOSE-494812200 | 2180526 | Improved | 1.03 |
| MOOSE-494812400 | 2224474 | Improved | 0.96 |
| MOOSE-494812450 | 2080724 | Improved | 0.80 |

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| MOOSE-494812550 | 2199925 | Improved | 0.86 |
| MOOSE-494812950 | 2183721 | Improved | 0.81 |
| MOOSE-494813150 | 2232140 | Improved | 0.97 |
| MOOSE-494814050 | 1578393 | Improved | 0.80 |
| MOOSE-494815400 | 1404818 | Improved | 1.49 |
| MOOSE-494815400 | 2179356 | Improved | 1.02 |
| MOOSE-494815850 | 1565352 | Improved | 0.85 |
| MOOSE-494816100 | 2230490 | Improved | 1.25 |
| MOOSE-494816150 | 1200752 | Improved | 1.18 |
| MOOSE-494816300 | 2004800 | Improved | 1.13 |
| MOOSE-494816350 | 2217002 | Improved | 1.27 |
| MOOSE-494816900 | 1565324 | Improved | 1.73 |
| MOOSE-494817300 | 2017391 | Improved | 0.85 |
| MOOSE-494817350 | 1417788 | Improved | 1.23 |
| MOOSE-494817350 | 1580920 | Improved | 0.73 |
| MOOSE-494817700 | 2110651 | Improved | 0.85 |
| MOOSE-494817750 | 2017392 | Improved | 0.94 |
| MOOSE-494818050 | 1201070 | Improved | 1.12 |
| MOOSE-494818750 | 1418020 | Improved | 0.63 |
| MOOSE-494818750 | 2017393 | Improved | 0.80 |
| MOOSE-494819000 | 1200282 | Improved | 0.80 |
| MOOSE-494819300 | 2008229 | Improved | 0.94 |
| MOOSE-494819350 | 1577462 | Improved | 0.85 |
| MOOSE-494820150 | 2190632 | Improved | 1.31 |
| MOOSE-494820500 | 2205562 | Improved | 0.91 |
| MOOSE-494821150 | 1201292 | Vacant | 0.86 |
| MOOSE-494821850 | 2102333 | Improved | 0.86 |
| MOOSE-494822250 | 1417756 | Improved | 0.82 |
| MOOSE-494822300 | 2079788 | Improved | 1.10 |
| MOOSE-494822350 | 1201017 | Improved | 0.80 |
| MOOSE-494822450 | 1200154 | Improved | 1.48 |
| MOOSE-494822500 | 1201088 | Improved | 1.06 |
| MOOSE-494822650 | 2071043 | Improved | 0.96 |
| MOOSE-494823100 | 1565353 | Improved | 1.06 |
| MOOSE-494823350 | 2227033 | Improved | 0.83 |
| MOOSE-494823450 | 1200527 | Improved | 0.81 |
| MOOSE-494823550 | 1200491 | Improved | 1.14 |
| MOOSE-494823550 | 2115400 | Improved | 1.05 |
| MOOSE-494823600 | 2205450 | Improved | 1.01 |
| MOOSE-494824000 | 1568212 | Improved | 0.88 |
| MOOSE-494824050 | 1201277 | Improved | 1.15 |
| MOOSE-494824950 | 1200155 | Improved | 1.47 |
| MOOSE-494825050 | 2245903 | Vacant | 0.60 |
| MOOSE-494825100 | 2079789 | Improved | 0.93 |
| MOOSE-494825150 | 2183218 | Improved | 0.74 |
| MOOSE-494825250 | 1200082 | Improved | 0.93 |
| MOOSE-494825650 | 1574152 | Improved | 0.85 |
| MOOSE-494826700 | 1583686 | Improved | 0.82 |
| MOOSE-494826750 | 2080725 | Improved | 1.09 |
| MOOSE-494827250 | 1405124 | Improved | 0.87 |
| MOOSE-494827500 | 1417927 | Improved | 1.24 |
| MOOSE-494827600 | 2042707 | Improved | 1.05 |
| MOOSE-494828500 | 1201394 | Improved | 0.83 |

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| MOOSE-494828550 | 1201123 | Improved | 1.17 |
| MOOSE-494828550 | 1418004 | Improved | 0.68 |
| MOOSE-494829300 | 2105287 | Improved | 0.84 |
| MOOSE-494829350 | 1570907 | Improved | 1.92 |
| MOOSE-494829400 | 1200689 | Improved | 1.42 |
| MOOSE-494829600 | 2182166 | Improved | 1.14 |
| MOOSE-494830250 | 1417807 | Improved | 1.02 |
| MOOSE-494830550 | 1200251 | Improved | 1.22 |
| MOOSE-494831150 | 2080727 | Improved | 0.82 |
| MOOSE-494831650 | 2110652 | Improved | 1.00 |
| MOOSE-494831650 | 2227145 | Improved | 0.73 |
| MOOSE-494831950 | 1201147 | Improved | 0.93 |
| MOOSE-494832100 | 2221135 | Improved | 0.87 |
| MOOSE-494832450 | 2092651 | Improved | 0.96 |
| MOOSE-494832500 | 1200492 | Improved | 1.17 |
| MOOSE-494832600 | 2234480 | Improved | 1.86 |
| MOOSE-494832650 | 2238187 | Improved | 1.14 |
| MOOSE-494833200 | 2199566 | Improved | 1.10 |
| MOOSE-494833900 | 2040645 | Improved | 1.07 |
| MOOSE-494834200 | 1200520 | Improved | 0.92 |
| MOOSE-494834300 | 2180750 | Improved | 1.05 |
| MOOSE-494835000 | 2236105 | Improved | 0.83 |
| MOOSE-494835100 | 1200166 | Improved | 0.90 |
| MOOSE-494835200 | 1566223 | Improved | 0.78 |
| MOOSE-494835400 | 1200463 | Improved | 1.04 |
| MOOSE-494835500 | 1200890 | Improved | 0.81 |
| MOOSE-494835500 | 1405334 | Improved | 1.16 |
| MOOSE-494835750 | 2213423 | Improved | 0.99 |
| MOOSE-494836200 | 2080728 | Improved | 0.65 |
| MOOSE-494838350 | 1565411 | Improved | 0.81 |
| MOOSE-494838500 | 1201331 | Improved | 0.88 |
| MOOSE-494838600 | 1405405 | Improved | 1.35 |
| MOOSE-494838650 | 2076845 | Improved | 1.87 |
| MOOSE-494900500 | 2173542 | Improved | 1.22 |
| MOOSE-494900550 | 1417849 | Improved | 0.99 |
| MOOSE-494901050 | 2212988 | Improved | 0.90 |
| MOOSE-494901500 | 1201217 | Improved | 0.88 |
| MOOSE-494901950 | 1201332 | Improved | 0.75 |
| MOOSE-494902250 | 1201333 | Improved | 0.71 |
| MOOSE-494902550 | 2189177 | Improved | 0.86 |
| MOOSE-494903200 | 2079107 | Improved | 0.79 |
| MOOSE-494903300 | 1582716 | Improved | 0.88 |
| MOOSE-494903350 | 2227844 | Improved | 0.96 |
| MOOSE-494903850 | 2212820 | Improved | 0.79 |
| MOOSE-494904350 | 1200009 | Improved | 1.02 |
| MOOSE-494904350 | 1569099 | Improved | 0.99 |
| MOOSE-494904450 | 1200139 | Improved | 1.09 |
| MOOSE-494904900 | 1200787 | Improved | 0.86 |
| MOOSE-494904950 | 2231316 | Improved | 0.77 |
| MOOSE-494905000 | 1201148 | Improved | 1.10 |
| MOOSE-494905000 | 2042708 | Improved | 1.14 |
| MOOSE-494905200 | 1567292 | Improved | 1.06 |
| MOOSE-494905250 | 1565325 | Improved | 1.26 |

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| MOOSE-494905750 | 1200838 | Improved | 0.90 |
| MOOSE-494906250 | 2019447 | Improved | 1.14 |
| MOOSE-494906900 | 2187298 | Improved | 1.17 |
| MOOSE-494906950 | 2079108 | Improved | 0.83 |
| MOOSE-494907100 | 1573189 | Improved | 1.17 |
| MOOSE-494907250 | 2180973 | Improved | 0.67 |
| MOOSE-494907650 | 1405611 | Improved | 1.04 |
| MOOSE-494907850 | 2217747 | Improved | 0.96 |
| MOOSE-494907900 | 1200284 | Improved | 0.90 |
| MOOSE-494908150 | 2159095 | Improved | 1.18 |
| MOOSE-494908450 | 2229912 | Improved | 1.27 |
| MOOSE-494909500 | 1200027 | Improved | 0.97 |
| MOOSE-494909500 | 2203387 | Improved | 0.95 |
| MOOSE-494909500 | 2226021 | Improved | 0.97 |
| MOOSE-494909750 | 1570908 | Improved | 0.93 |
| MOOSE-494910750 | 1582717 | Improved | 1.56 |
| MOOSE-494910800 | 1582718 | Improved | 1.21 |
| MOOSE-494911200 | 2194831 | Improved | 1.13 |
| MOOSE-494911250 | 2005111 | Improved | 1.32 |
| MOOSE-494911600 | 1583687 | Improved | 1.28 |
| MOOSE-494911700 | 1200252 | Improved | 0.87 |
| MOOSE-494911750 | 1200898 | Improved | 1.07 |
| MOOSE-494911900 | 1200936 | Improved | 0.91 |
| MOOSE-494911950 | 2100125 | Improved | 0.95 |
| MOOSE-494913150 | 2219710 | Improved | 1.25 |
| MOOSE-494913600 | 2216344 | Improved | 1.21 |
| MOOSE-494913750 | 1565326 | Improved | 0.96 |
| MOOSE-494913850 | 1574153 | Improved | 1.11 |
| MOOSE-494914250 | 1582719 | Improved | 1.77 |
| MOOSE-494914700 | 2207540 | Improved | 1.23 |
| MOOSE-494914750 | 2076846 | Improved | 1.09 |
| MOOSE-494914800 | 1570037 | Improved | 0.96 |
| MOOSE-494914800 | 2222580 | Improved | 0.89 |
| MOOSE-494915250 | 2208781 | Improved | 0.94 |
| MOOSE-494915550 | 1580266 | Improved | 1.04 |
| MOOSE-494915650 | 1200915 | Improved | 0.74 |
| MOOSE-494915850 | 1572452 | Improved | 0.93 |
| MOOSE-494915950 | 1565385 | Improved | 0.82 |
| MOOSE-494916150 | 1200691 | Improved | 0.73 |
| MOOSE-494916300 | 2222496 | Improved | 1.13 |
| MOOSE-494916550 | 2159097 | Improved | 1.33 |
| MOOSE-494916800 | 1569100 | Improved | 0.86 |
| MOOSE-494917100 | 1567337 | Improved | 1.30 |
| MOOSE-494917150 | 1200028 | Improved | 1.15 |
| MOOSE-494917550 | 1200723 | Improved | 1.35 |
| MOOSE-494918350 | 1200872 | Improved | 0.93 |
| MOOSE-494918350 | 2229370 | Improved | 0.95 |
| MOOSE-494918400 | 1200724 | Improved | 1.07 |
| MOOSE-494918550 | 2201894 | Improved | 1.67 |
| MOOSE-494919400 | 2051694 | Improved | 1.40 |
| MOOSE-494919650 | 2210082 | Improved | 0.80 |
| MOOSE-494920150 | 2212693 | Improved | 0.74 |
| MOOSE-494920350 | 1570038 | Improved | 0.74 |

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| MOOSE-494920500 | 2195963 | Improved | 1.26 |
| MOOSE-494920600 | 1200310 | Improved | 0.66 |
| MOOSE-494920600 | 2216659 | Improved | 0.64 |
| MOOSE-494920650 | 1570912 | Improved | 0.93 |
| MOOSE-494920700 | 2017398 | Improved | 1.40 |
| MOOSE-494921550 | 1200029 | Improved | 1.09 |
| MOOSE-494921750 | 1581738 | Improved | 1.41 |
| MOOSE-494921800 | 2183690 | Improved | 0.79 |
| MOOSE-494922000 | 1201071 | Improved | 0.85 |
| MOOSE-494922200 | 2184941 | Improved | 1.79 |
| MOOSE-494922450 | 2008230 | Improved | 1.35 |
| MOOSE-494922600 | 1575002 | Improved | 0.96 |
| MOOSE-494922750 | 1201124 | Improved | 0.96 |
| MOOSE-494922850 | 1200228 | Improved | 1.35 |
| MOOSE-494923050 | 2187452 | Improved | 0.93 |
| MOOSE-494923450 | 1569101 | Improved | 0.72 |
| MOOSE-494924000 | 2017399 | Improved | 1.08 |
| MOOSE-494924000 | 2220308 | Improved | 0.92 |
| MOOSE-494924150 | 1568214 | Improved | 0.87 |
| MOOSE-494924350 | 1565354 | Improved | 1.01 |
| MOOSE-494924350 | 2223306 | Improved | 0.65 |
| MOOSE-494924600 | 2205211 | Improved | 1.02 |
| MOOSE-494924700 | 2002850 | Improved | 0.75 |
| MOOSE-494925300 | 2182810 | Improved | 0.71 |
| MOOSE-494925350 | 1576544 | Improved | 0.81 |
| MOOSE-494925450 | 2001964 | Improved | 0.73 |
| MOOSE-494926050 | 1200253 | Improved | 1.10 |
| MOOSE-494926450 | 1578389 | Improved | 0.94 |
| MOOSE-494926500 | 2076841 | Improved | 0.89 |
| MOOSE-494926550 | 1582712 | Improved | 1.45 |
| MOOSE-494927300 | 2217363 | Improved | 1.02 |
| MOOSE-494927350 | 2159091 | Improved | 1.01 |
| MOOSE-494928250 | 2110649 | Improved | 0.99 |
| MOOSE-495001150 | 2180374 | Improved | 1.31 |
| MOOSE-495001250 | 1577458 | Vacant | 0.73 |
| MOOSE-495001600 | 1200937 | Improved | 0.75 |
| MOOSE-495001700 | 1572453 | Improved | 1.63 |
| MOOSE-495002050 | 2214481 | Improved | 1.10 |
| MOOSE-495002600 | 2017400 | Improved | 1.08 |
| MOOSE-495003050 | 2071045 | Vacant | 1.02 |
| MOOSE-495003200 | 1579382 | Improved | 0.95 |
| MOOSE-495003900 | 2229010 | Improved | 1.59 |
| MOOSE-495004050 | 2017401 | Improved | 1.32 |
| MOOSE-495004650 | 2056929 | Improved | 1.31 |
| MOOSE-495004700 | 1417850 | Improved | 1.67 |
| MOOSE-495004850 | 1406255 | Improved | 1.44 |
| MOOSE-495005700 | 1201370 | Improved | 1.10 |
| MOOSE-495005800 | 2071046 | Improved | 1.12 |
| MOOSE-495006750 | 1406320 | Improved | 0.90 |
| MOOSE-495008350 | 1200839 | Improved | 1.10 |
| MOOSE-495008350 | 2017402 | Improved | 1.19 |
| MOOSE-495009100 | 2216525 | Improved | 0.90 |
| MOOSE-495009800 | 2159098 | Improved | 1.14 |

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| MOOSE-495009800 | 2180882 | Improved | 1.19 |
| MOOSE-495010300 | 2033732 | Improved | 0.90 |
| MOOSE-495010350 | 1200311 | Improved | 1.46 |
| MOOSE-495010600 | 1568215 | Improved | 0.88 |
| MOOSE-495011350 | 1418005 | Improved | 0.87 |
| MOOSE-495011950 | 2192750 | Improved | 0.98 |
| MOOSE-495012200 | 2209856 | Improved | 0.73 |
| MOOSE-495012600 | 1200176 | Improved | 1.14 |
| MOOSE-495012600 | 1201162 | Improved | 1.29 |
| MOOSE-495012650 | 1406449 | Improved | 0.99 |
| MOOSE-495012700 | 2102335 | Improved | 1.17 |
| MOOSE-495012800 | 2232913 | Improved | 1.33 |
| MOOSE-495012900 | 1200528 | Improved | 0.72 |
| MOOSE-495012950 | 1201188 | Improved | 0.91 |
| MOOSE-495013000 | 1201150 | Improved | 1.11 |
| MOOSE-495013050 | 1200011 | Improved | 1.19 |
| MOOSE-495013050 | 2225850 | Improved | 1.16 |
| MOOSE-495013100 | 2223962 | Improved | 0.89 |
| MOOSE-495014250 | 2199697 | Improved | 1.23 |
| MOOSE-495014400 | 2017403 | Improved | 1.59 |
| MOOSE-495014650 | 1406484 | Improved | 0.77 |
| MOOSE-495015150 | 1200285 | Improved | 0.92 |
| MOOSE-495015300 | 1201091 | Improved | 0.67 |
| MOOSE-495015350 | 2209848 | Improved | 1.05 |
| MOOSE-495015450 | 1582720 | Improved | 0.79 |
| MOOSE-495015550 | 2051695 | Improved | 1.25 |
| MOOSE-495016400 | 2092652 | Improved | 0.64 |
| MOOSE-495016850 | 1201293 | Improved | 0.86 |
| MOOSE-495016850 | 2219625 | Improved | 0.65 |
| MOOSE-495017250 | 2076847 | Improved | 0.68 |
| MOOSE-495017853 | 2223099 | Improved | 0.95 |
| MOOSE-495017857 | 2241814 | Improved | 1.30 |
| MOOSE-495018100 | 1576545 | Improved | 1.46 |
| MOOSE-495018550 | 1200178 | Improved | 1.06 |
| MOOSE-495020050 | 1573191 | Improved | 1.25 |
| MOOSE-495020200 | 1568216 | Improved | 0.91 |
| MOOSE-495020650 | 1565388 | Improved | 1.00 |
| MOOSE-495021450 | 2100127 | Improved | 0.67 |
| MOOSE-495021700 | 1200140 | Improved | 1.06 |
| MOOSE-495021700 | 2219462 | Improved | 0.99 |
| MOOSE-495021900 | 1201125 | Improved | 0.78 |
| MOOSE-495022350 | 2042709 | Improved | 1.26 |
| MOOSE-495022950 | 1406679 | Improved | 0.97 |
| MOOSE-495024000 | 2195603 | Improved | 0.90 |
| MOOSE-495024150 | 2102336 | Improved | 0.77 |
| MOOSE-495024300 | 1417758 | Improved | 1.04 |
| MOOSE-495024400 | 2226636 | Improved | 0.90 |
| MOOSE-495025000 | 1201371 | Improved | 1.19 |
| MOOSE-495025550 | 1200529 | Improved | 0.75 |
| MOOSE-495025700 | 1406753 | Improved | 0.85 |
| MOOSE-495025800 | 1200012 | Improved | 1.01 |
| MOOSE-495026300 | 1580923 | Improved | 0.72 |
| MOOSE-495027300 | 1200994 | Improved | 0.77 |

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| MOOSE-495028000 | 2017405 | Improved | 0.87 |
| MOOSE-495028250 | 1571955 | Improved | 0.90 |
| MOOSE-495030050 | 2215805 | Improved | 0.78 |
| MOOSE-495030150 | 2179902 | Improved | 0.81 |
| MOOSE-495030250 | 2056922 | Improved | 1.24 |
| MOOSE-495030550 | 2216417 | Improved | 0.98 |
| MOOSE-495031250 | 1565407 | Improved | 1.40 |
| MOOSE-495031650 | 1565321 | Improved | 0.83 |
| MOOSE-495031700 | 1580919 | Improved | 1.03 |
| MOOSE-495031800 | 1201250 | Improved | 0.85 |
| MOOSE-495032050 | 1406869 | Improved | 0.73 |
| MOOSE-495032150 | 1201086 | Improved | 1.05 |
| MOOSE-495033150 | 2233285 | Improved | 0.87 |
| MOOSE-495033450 | 2017364 | Improved | 0.90 |
| MOOSE-495033700 | 2229921 | Improved | 0.87 |
| MOOSE-495033900 | 1417789 | Improved | 0.79 |
| MOOSE-495101050 | 2184555 | Improved | 1.23 |
| MOOSE-495101250 | 2218288 | Improved | 0.95 |
| MOOSE-495102000 | 1406983 | Improved | 0.97 |
| MOOSE-495102100 | 1581740 | Improved | 1.12 |
| MOOSE-495102150 | 2237402 | Improved | 0.92 |
| MOOSE-495102300 | 1201279 | Improved | 0.88 |
| MOOSE-495102400 | 1201233 | Improved | 1.32 |
| MOOSE-495102450 | 2181073 | Improved | 1.16 |
| MOOSE-495102550 | 2007174 | Improved | 1.00 |
| MOOSE-495102700 | 1201190 | Improved | 1.13 |
| MOOSE-495103200 | 1201234 | Improved | 0.96 |
| MOOSE-495103400 | 1570039 | Improved | 1.23 |
| MOOSE-495103850 | 2077288 | Improved | 1.33 |
| MOOSE-495104000 | 1200995 | Improved | 0.81 |
| MOOSE-495104200 | 2079790 | Improved | 1.15 |
| MOOSE-495104650 | 2190166 | Improved | 1.10 |
| MOOSE-495104750 | 1565389 | Improved | 1.33 |
| MOOSE-495104950 | 1200157 | Improved | 1.04 |
| MOOSE-495105050 | 2008231 | Improved | 1.27 |
| MOOSE-495105250 | 1201151 | Improved | 0.98 |
| MOOSE-495105600 | 1201019 | Improved | 0.84 |
| MOOSE-495105900 | 1201308 | Improved | 1.00 |
| MOOSE-495106000 | 2200451 | Improved | 0.82 |
| MOOSE-495106250 | 2110654 | Improved | 1.27 |
| MOOSE-495106275 | 2239154 | Improved | 0.97 |
| MOOSE-495106300 | 1200530 | Improved | 1.04 |
| MOOSE-495106400 | 1200693 | Improved | 0.81 |
| MOOSE-495106500 | 1567294 | Improved | 1.35 |
| MOOSE-495106750 | 2080731 | Improved | 1.00 |
| MOOSE-495106800 | 2194226 | Improved | 1.18 |
| MOOSE-495106900 | 1201020 | Improved | 0.78 |
| MOOSE-495107050 | 1200966 | Improved | 0.81 |
| MOOSE-495107700 | 1200030 | Improved | 0.77 |
| MOOSE-495107755 | 1565298 | Improved | 0.96 |
| MOOSE-495107900 | 1200468 | Improved | 0.91 |
| MOOSE-495107900 | 2040653 | Improved | 0.88 |
| MOOSE-495108200 | 2185066 | Improved | 1.32 |

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| MOOSE-495108250 | 1200754 | Improved | 0.68 |
| MOOSE-495108600 | 1200840 | Improved | 0.82 |
| MOOSE-495108700 | 2065737 | Improved | 0.74 |
| MOOSE-495109000 | 1578396 | Improved | 0.83 |
| MOOSE-495109150 | 1200312 | Improved | 0.88 |
| MOOSE-495109200 | 1200531 | Improved | 0.96 |
| MOOSE-495109500 | 2017407 | Improved | 0.99 |
| MOOSE-495109950 | 1407182 | Improved | 0.72 |
| MOOSE-495110000 | 2200774 | Improved | 1.09 |
| MOOSE-495110350 | 1200158 | Improved | 0.64 |
| MOOSE-495110350 | 1574154 | Improved | 0.74 |
| MOOSE-495110450 | 2190838 | Improved | 1.01 |
| MOOSE-495110600 | 2201791 | Improved | 0.74 |
| MOOSE-495110650 | 2226771 | Improved | 1.18 |
| MOOSE-495111400 | 1576546 | Improved | 1.06 |
| MOOSE-495111450 | 1578422 | Improved | 0.74 |
| MOOSE-495111500 | 1575004 | Improved | 1.70 |
| MOOSE-495111650 | 1580268 | Improved | 1.80 |
| MOOSE-495111900 | 2033733 | Improved | 0.86 |
| MOOSE-495111950 | 1577464 | Improved | 0.77 |
| MOOSE-495112300 | 2173544 | Improved | 1.17 |
| MOOSE-495112450 | 1200179 | Improved | 0.95 |
| MOOSE-495112600 | 2079111 | Improved | 1.34 |
| MOOSE-495112600 | 2225963 | Vacant | 1.04 |
| MOOSE-495112600 | 2237096 | Improved | 1.19 |
| MOOSE-495112800 | 2004801 | Improved | 1.12 |
| MOOSE-495113550 | 1201252 | Improved | 1.11 |
| MOOSE-495114450 | 2003750 | Improved | 0.75 |
| MOOSE-495114750 | 1574155 | Improved | 1.05 |
| MOOSE-495115550 | 2210449 | Improved | 1.12 |
| MOOSE-495115650 | 1573240 | Improved | 1.34 |
| MOOSE-495116250 | 1200695 | Improved | 0.80 |
| MOOSE-495116250 | 2056930 | Improved | 0.66 |
| MOOSE-495116950 | 2017408 | Improved | 1.06 |
| MOOSE-495117300 | 1417868 | Improved | 0.96 |
| MOOSE-495117400 | 1407365 | Improved | 0.94 |
| MOOSE-495117500 | 1201021 | Improved | 1.05 |
| MOOSE-495117700 | 1418006 | Improved | 0.72 |
| MOOSE-495118350 | 1580924 | Improved | 0.84 |
| MOOSE-495118400 | 1200013 | Improved | 0.65 |
| MOOSE-495118850 | 1565328 | Improved | 1.13 |
| MOOSE-495119250 | 2159099 | Improved | 0.90 |
| MOOSE-495119250 | 2183683 | Improved | 0.98 |
| MOOSE-495120150 | 1566290 | Improved | 0.82 |
| MOOSE-495120150 | 2219805 | Improved | 0.84 |
| MOOSE-495120200 | 2017409 | Improved | 1.22 |
| MOOSE-495120400 | 2220319 | Improved | 1.04 |
| MOOSE-495120850 | 1417929 | Improved | 1.70 |
| MOOSE-495121050 | 1200286 | Improved | 1.42 |
| MOOSE-495121050 | 1567295 | Improved | 0.60 |
| MOOSE-495121100 | 2182338 | Improved | 1.61 |
| MOOSE-495121500 | 2074675 | Improved | 0.99 |
| MOOSE-495122000 | 2017410 | Improved | 1.06 |

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| MOOSE-495122000 | 2159100 | Improved | 0.94 |
| MOOSE-495123000 | 2234553 | Vacant | 1.11 |
| MOOSE-495123400 | 1200755 | Improved | 1.13 |
| MOOSE-495123500 | 2228703 | Improved | 1.01 |
| MOOSE-495123550 | 2228698 | Improved | 1.32 |
| MOOSE-495123550 | 2228700 | Improved | 0.76 |
| MOOSE-495123550 | 2228702 | Improved | 0.72 |
| MOOSE-495123650 | 1575999 | Improved | 0.62 |
| MOOSE-495123800 | 1570914 | Improved | 0.74 |
| MOOSE-495123950 | 2232278 | Improved | 0.97 |
| MOOSE-495124050 | 2225885 | Improved | 0.90 |
| MOOSE-495124450 | 1200313 | Improved | 0.58 |
| MOOSE-495124650 | 1568217 | Improved | 0.80 |
| MOOSE-495124950 | 2017413 | Improved | 1.08 |
| MOOSE-495125500 | 1200314 | Improved | 1.09 |
| MOOSE-495126200 | 1201192 | Improved | 0.84 |
| MOOSE-495126700 | 2071049 | Improved | 1.29 |
| MOOSE-495126800 | 2102338 | Improved | 0.72 |
| MOOSE-495127150 | 1200696 | Improved | 1.27 |
| MOOSE-495127400 | 2017414 | Improved | 0.87 |
| MOOSE-495127550 | 1200841 | Improved | 1.25 |
| MOOSE-495127650 | 2233841 | Improved | 1.33 |
| MOOSE-495127650 | 2233928 | Improved | 0.69 |
| MOOSE-495128300 | 2184114 | Improved | 0.70 |
| MOOSE-495128600 | 1417775 | Improved | 1.12 |
| MOOSE-495128650 | 1201372 | Improved | 1.07 |
| MOOSE-495129050 | 2179939 | Improved | 1.64 |
| MOOSE-495129500 | 1201092 | Improved | 0.93 |
| MOOSE-495130050 | 1201280 | Improved | 1.25 |
| MOOSE-495130700 | 2183614 | Improved | 1.11 |
| MOOSE-495131300 | 1417810 | Improved | 0.79 |
| MOOSE-495131400 | 1200209 | Improved | 0.85 |
| MOOSE-495131450 | 1201022 | Improved | 0.84 |
| MOOSE-495131500 | 2007176 | Improved | 1.36 |
| MOOSE-495131800 | 1570916 | Improved | 0.92 |
| MOOSE-495131950 | 2218375 | Improved | 0.82 |
| MOOSE-495132000 | 1200967 | Improved | 1.21 |
| MOOSE-495132350 | 2056931 | Improved | 1.01 |
| MOOSE-495133250 | 2100129 | Improved | 1.20 |
| MOOSE-495133400 | 1200256 | Improved | 0.80 |
| MOOSE-495134300 | 2017416 | Improved | 0.87 |
| MOOSE-495134350 | 2017417 | Improved | 0.83 |
| MOOSE-495134550 | 1407831 | Improved | 1.35 |
| MOOSE-495134550 | 1565413 | Improved | 1.26 |
| MOOSE-495135250 | 1200076 | Vacant | 0.85 |
| MOOSE-495135300 | 1200077 | Vacant | 1.52 |
| MOOSE-495135750 | 1418013 | Vacant | 1.08 |
| MOOSE-495135800 | 1201114 | Vacant | 1.08 |
| MOOSE-495200200 | 1571956 | Improved | 0.65 |
| MOOSE-495200650 | 1200014 | Improved | 0.75 |
| MOOSE-495200700 | 1417869 | Improved | 0.97 |
| MOOSE-495201000 | 1417870 | Improved | 1.39 |
| MOOSE-495201000 | 2017418 | Improved | 0.92 |

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| MOOSE-495201150 | 2216003 | Improved | 0.89 |
| MOOSE-495201350 | 2222668 | Improved | 1.05 |
| MOOSE-495202900 | 2227511 | Improved | 1.42 |
| MOOSE-495204350 | 1200917 | Improved | 1.22 |
| MOOSE-495210050 | 2110655 | Improved | 1.96 |
| MOOSE-495210300 | 2071050 | Improved | 0.89 |
| MOOSE-495211150 | 1200790 | Improved | 1.01 |
| MOOSE-495211750 | 1200791 | Improved | 0.88 |
| MOOSE-495211800 | 1576000 | Improved | 0.83 |
| MOOSE-495211850 | 1408062 | Improved | 0.78 |
| MOOSE-495211875 | 1565335 | Improved | 0.80 |
| MOOSE-495212150 | 2190851 | Improved | 1.55 |
| MOOSE-495212750 | 2003700 | Improved | 0.67 |
| MOOSE-495213300 | 2225041 | Improved | 1.08 |
| MOOSE-495301040 | 1200843 | Improved | 0.83 |
| MOOSE-495301150 | 1201281 | Improved | 0.91 |
| MOOSE-495301160 | 1572451 | Improved | 0.88 |
| MOOSE-495301375 | 2206955 | Vacant | 0.96 |
| MOOSE-495301750 | 2205728 | Vacant | 0.77 |
| MOOSE-495302000 | 2216245 | Improved | 1.03 |
| MOOSE-495302500 | 1201023 | Improved | 1.03 |
| MOOSE-495303450 | 2213852 | Improved | 0.75 |
| MOOSE-495303500 | 1200938 | Improved | 1.14 |
| MOOSE-495303500 | 1566284 | Improved | 1.12 |
| MOOSE-495303700 | 1417915 | Improved | 0.66 |
| MOOSE-495304550 | 1580269 | Improved | 1.01 |
| MOOSE-495304800 | 2076848 | Improved | 0.83 |
| MOOSE-504300200 | 2017423 | Improved | 0.90 |
| MOOSE-504300600 | 2234043 | Improved | 1.31 |
| MOOSE-504300700 | 2110656 | Improved | 0.85 |
| MOOSE-504700450 | 1576001 | Improved | 1.14 |
| MOOSE-504700700 | 2019449 | Improved | 0.90 |
| MOOSE-504702250 | 1565414 | Improved | 0.85 |
| MOOSE-504702500 | 1200968 | Improved | 1.12 |
| MOOSE-504702750 | 1201073 | Improved | 1.21 |
| MOOSE-504702800 | 1200901 | Improved | 0.87 |
| MOOSE-504703000 | 1200759 | Improved | 0.84 |
| MOOSE-504703550 | 1201024 | Improved | 1.08 |
| MOOSE-504704000 | 1571958 | Improved | 0.85 |
| MOOSE-504704200 | 2045381 | Improved | 0.77 |
| MOOSE-504704300 | 2077289 | Improved | 0.82 |
| MOOSE-504705000 | 2033735 | Improved | 1.05 |
| MOOSE-504705100 | 2100130 | Improved | 1.21 |
| MOOSE-504705200 | 1408409 | Improved | 1.22 |
| MOOSE-504705350 | 2208825 | Improved | 0.77 |
| MOOSE-504706400 | 2065738 | Improved | 1.04 |
| MOOSE-504706500 | 1567298 | Improved | 0.87 |
| MOOSE-504706650 | 2236920 | Improved | 0.92 |
| MOOSE-504706800 | 2236990 | Improved | 1.22 |
| MOOSE-504706950 | 2029996 | Improved | 0.92 |
| MOOSE-504707000 | 1200060 | Improved | 1.02 |
| MOOSE-504707250 | 1200792 | Improved | 1.02 |
| MOOSE-504707300 | 2235667 | Improved | 1.18 |

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| MOOSE-504708150 | 1200015 | Improved | 1.24 |
| MOOSE-504708200 | 1200470 | Improved | 0.95 |
| MOOSE-504708300 | 1200315 | Improved | 0.92 |
| MOOSE-504708350 | 1574157 | Improved | 0.91 |
| MOOSE-504708600 | 1571960 | Improved | 0.96 |
| MOOSE-504708650 | 2080732 | Improved | 0.97 |
| MOOSE-504709350 | 2023039 | Improved | 0.91 |
| MOOSE-504709700 | 1200084 | Improved | 0.88 |
| MOOSE-504709850 | 1200793 | Improved | 0.83 |
| MOOSE-504710150 | 1578398 | Improved | 0.87 |
| MOOSE-504710600 | 2227347 | Improved | 1.02 |
| MOOSE-504710900 | 1200699 | Improved | 1.02 |
| MOOSE-504711050 | 2215389 | Improved | 1.12 |
| MOOSE-504711450 | 1201294 | Improved | 0.92 |
| MOOSE-504711550 | 2017425 | Improved | 1.42 |
| MOOSE-504711600 | 2125388 | Improved | 0.91 |
| MOOSE-504800400 | 2029997 | Improved | 1.06 |
| MOOSE-504801250 | 2208816 | Improved | 1.29 |
| MOOSE-504801450 | 2136901 | Improved | 1.12 |
| MOOSE-504801600 | 2231006 | Improved | 1.34 |
| MOOSE-504802000 | 2071051 | Improved | 1.91 |
| MOOSE-504802150 | 1582724 | Improved | 0.92 |
| MOOSE-504802200 | 1201093 | Improved | 0.88 |
| MOOSE-504803000 | 2051700 | Improved | 1.34 |
| MOOSE-504803050 | 1201048 | Improved | 1.12 |
| MOOSE-504804100 | 1200031 | Improved | 0.90 |
| MOOSE-504804150 | 1417759 | Improved | 0.96 |
| MOOSE-504804500 | 2224327 | Improved | 0.89 |
| MOOSE-504804550 | 1200727 | Improved | 0.96 |
| MOOSE-504804650 | 1578399 | Improved | 0.69 |
| MOOSE-504804750 | 1574158 | Improved | 1.79 |
| MOOSE-504805300 | 2080733 | Improved | 0.62 |
| MOOSE-504805550 | 1581742 | Improved | 1.08 |
| MOOSE-504805600 | 2213250 | Improved | 0.97 |
| MOOSE-504805625 | 2193381 | Vacant | 1.15 |
| MOOSE-504805850 | 1200969 | Improved | 1.04 |
| MOOSE-504806900 | 2054030 | Vacant | 0.72 |
| MOOSE-504807300 | 1583690 | Improved | 1.08 |
| MOOSE-504807450 | 1200700 | Improved | 0.98 |
| MOOSE-504807550 | 2125389 | Improved | 0.98 |
| MOOSE-504807650 | 2079113 | Improved | 0.99 |
| MOOSE-504809050 | 2074676 | Improved | 0.82 |
| MOOSE-504809200 | 1200287 | Improved | 0.75 |
| MOOSE-504810150 | 2056932 | Improved | 0.93 |
| MOOSE-504810350 | 2205191 | Improved | 0.72 |
| MOOSE-504810350 | 2232325 | Improved | 1.03 |
| MOOSE-504810600 | 1200844 | Improved | 0.94 |
| MOOSE-504810700 | 1200919 | Improved | 0.93 |
| MOOSE-504810900 | 2071052 | Improved | 0.88 |
| MOOSE-504810900 | 2159103 | Improved | 1.14 |
| MOOSE-504811000 | 1200497 | Improved | 0.84 |
| MOOSE-504811200 | 2210306 | Improved | 0.92 |
| MOOSE-504812600 | 1417882 | Improved | 1.41 |

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| MOOSE-504813750 | 1200032 | Vacant | 1.25 |
| MOOSE-504813750 | 1574159 | Improved | 0.92 |
| MOOSE-504814100 | 2076849 | Improved | 0.85 |
| MOOSE-504814150 | 1200532 | Improved | 0.83 |
| MOOSE-504814300 | 1418025 | Improved | 0.91 |
| MOOSE-504814350 | 2017430 | Improved | 0.95 |
| MOOSE-504814850 | 1570040 | Improved | 0.97 |
| MOOSE-504815900 | 2223819 | Improved | 1.54 |
| MOOSE-504816350 | 1576002 | Improved | 0.59 |
| MOOSE-504816450 | 1200181 | Improved | 0.59 |
| MOOSE-504816550 | 1572455 | Improved | 1.30 |
| MOOSE-504816650 | 1580271 | Improved | 1.47 |
| MOOSE-504816650 | 2079114 | Improved | 0.66 |
| MOOSE-504817100 | 2017433 | Improved | 1.07 |
| MOOSE-504817150 | 2218064 | Improved | 1.19 |
| MOOSE-504818000 | 1570918 | Vacant | 1.65 |
| MOOSE-504818000 | 1581745 | Vacant | 0.81 |
| MOOSE-504818050 | 1201283 | Improved | 1.18 |
| MOOSE-504818150 | 1409039 | Improved | 0.85 |
| MOOSE-504818400 | 2231348 | Improved | 1.04 |
| MOOSE-504818475 | 2082510 | Improved | 1.00 |
| MOOSE-504819000 | 2080734 | Improved | 1.04 |
| MOOSE-504819050 | 1576003 | Improved | 0.78 |
| MOOSE-504819350 | 1200288 | Improved | 0.91 |
| MOOSE-504820000 | 1417776 | Improved | 0.91 |
| MOOSE-504820250 | 1200728 | Improved | 0.79 |
| MOOSE-504820600 | 1418027 | Improved | 1.41 |
| MOOSE-504822250 | 2184015 | Improved | 0.99 |
| MOOSE-504822300 | 2180825 | Improved | 0.85 |
| MOOSE-504822650 | 1566233 | Improved | 1.00 |
| MOOSE-504902200 | 1201095 | Improved | 1.49 |
| MOOSE-504903150 | 2182595 | Improved | 0.84 |
| MOOSE-504903450 | 1200086 | Improved | 1.06 |
| MOOSE-504903752 | 1576014 | Improved | 0.93 |
| MOOSE-504904200 | 1200065 | Improved | 0.99 |
| MOOSE-504904650 | 1417760 | Improved | 1.26 |
| MOOSE-504904950 | 1201220 | Improved | 0.58 |
| MOOSE-504905652 | 1201154 | Improved | 0.87 |
| MOOSE-504905652 | 1417920 | Improved | 1.10 |
| MOOSE-504905682 | 1417938 | Improved | 0.89 |
| MOOSE-504905686 | 1200806 | Improved | 0.90 |
| MOOSE-504905686 | 2207419 | Improved | 0.87 |
| MOOSE-504905700 | 2212557 | Improved | 1.02 |
| MOOSE-504906550 | 2229135 | Improved | 1.69 |
| MOOSE-504906700 | 2209873 | Improved | 0.86 |
| MOOSE-504906750 | 1200729 | Improved | 1.12 |
| MOOSE-504907250 | 2056933 | Improved | 0.93 |
| MOOSE-504908050 | 2110657 | Improved | 0.76 |
| MOOSE-504908300 | 2217955 | Improved | 1.05 |
| MOOSE-504908750 | 2200532 | Improved | 0.98 |
| MOOSE-504908900 | 2056934 | Improved | 0.81 |
| MOOSE-504908900 | 2184646 | Improved | 0.80 |
| MOOSE-504908900 | 2192549 | Improved | 1.22 |

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| MOOSE-504908900 | 2215760 | Improved | 0.77 |
| MOOSE-504909700 | 2238147 | Improved | 1.27 |
| MOOSE-504909950 | 2056935 | Improved | 1.02 |
| MOOSE-504910250 | 1409494 | Improved | 1.26 |
| MOOSE-504910400 | 2002853 | Improved | 1.24 |
| MOOSE-504910550 | 2194412 | Improved | 0.84 |
| MOOSE-504910650 | 1200472 | Improved | 1.01 |
| MOOSE-504910750 | 1201074 | Improved | 1.13 |
| MOOSE-504910900 | 1568219 | Improved | 0.62 |
| MOOSE-504911100 | 2076850 | Improved | 1.28 |
| MOOSE-504911300 | 1200701 | Improved | 1.10 |
| MOOSE-504911300 | 2017436 | Improved | 0.94 |
| MOOSE-504911600 | 2209224 | Improved | 1.23 |
| MOOSE-504911750 | 1566234 | Improved | 0.86 |
| MOOSE-504912050 | 2080735 | Improved | 1.36 |
| MOOSE-504912150 | 1201096 | Improved | 1.11 |
| MOOSE-504913150 | 2216485 | Improved | 0.73 |
| MOOSE-504913300 | 2206580 | Improved | 0.77 |
| MOOSE-504913400 | 2076851 | Improved | 0.64 |
| MOOSE-504914950 | 2218455 | Improved | 1.08 |
| MOOSE-504915000 | 1200533 | Improved | 1.04 |
| MOOSE-504915350 | 2228166 | Improved | 1.43 |
| MOOSE-504915650 | 1200211 | Vacant | 1.06 |
| MOOSE-504916100 | 1573193 | Improved | 1.35 |
| MOOSE-504916300 | 1201097 | Improved | 1.68 |
| MOOSE-504916650 | 2227059 | Improved | 1.46 |
| MOOSE-505000400 | 2187489 | Improved | 0.81 |
| MOOSE-505000450 | 1577466 | Improved | 0.97 |
| MOOSE-505000800 | 1201398 | Improved | 1.01 |
| MOOSE-505001150 | 1201165 | Improved | 0.95 |
| MOOSE-505001500 | 2209685 | Improved | 0.94 |
| MOOSE-505001600 | 1200087 | Improved | 0.74 |
| MOOSE-505002501 | 2229604 | Improved | 1.07 |
| MOOSE-505002505 | 2042715 | Improved | 0.93 |
| MOOSE-505002800 | 2017438 | Improved | 0.97 |
| MOOSE-505003250 | 1571962 | Improved | 1.26 |
| MOOSE-505003400 | 1570042 | Improved | 1.19 |
| MOOSE-505003650 | 1201238 | Improved | 1.02 |
| MOOSE-505004000 | 1568220 | Improved | 1.36 |
| MOOSE-505004350 | 1567300 | Improved | 0.96 |
| MOOSE-505004750 | 2190911 | Improved | 1.41 |
| MOOSE-505004950 | 2209808 | Improved | 1.01 |
| MOOSE-505005200 | 2182850 | Improved | 1.41 |
| MOOSE-505005250 | 1200730 | Vacant | 0.73 |
| MOOSE-505005250 | 2224500 | Improved | 0.57 |
| MOOSE-505005950 | 1579385 | Improved | 0.77 |
| MOOSE-505006350 | 2017439 | Improved | 1.81 |
| MOOSE-505006700 | 1568221 | Improved | 1.14 |
| MOOSE-505007100 | 1409907 | Improved | 0.77 |
| MOOSE-505007950 | 1200816 | Improved | 0.96 |
| MOOSE-505008100 | 2003701 | Improved | 0.81 |
| MOOSE-505008650 | 2194798 | Improved | 0.60 |
| MOOSE-505009250 | 1201221 | Improved | 1.29 |

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| MOOSE-505009600 | 2003702 | Improved | 0.81 |
| MOOSE-505009750 | 1200473 | Improved | 1.82 |
| MOOSE-505009800 | 2230939 | Improved | 0.94 |
| MOOSE-505010200 | 1572456 | Improved | 1.16 |
| MOOSE-505010450 | 1200019 | Improved | 0.97 |
| MOOSE-505012250 | 2179982 | Improved | 1.71 |
| MOOSE-505012350 | 2194750 | Improved | 1.80 |
| MOOSE-505012600 | 1417932 | Improved | 0.79 |
| MOOSE-505013100 | 1201128 | Improved | 1.22 |
| MOOSE-505013200 | 2017440 | Improved | 0.68 |
| MOOSE-505013250 | 1573195 | Improved | 0.85 |
| MOOSE-505013350 | 1201050 | Improved | 0.74 |
| MOOSE-505013700 | 1200067 | Improved | 1.02 |
| MOOSE-505014850 | 2159105 | Improved | 0.84 |
| MOOSE-505016250 | 1200880 | Improved | 0.79 |
| MOOSE-505016500 | 2071053 | Improved | 1.27 |
| MOOSE-505016750 | 2008235 | Improved | 0.99 |
| MOOSE-505016850 | 2017442 | Improved | 1.14 |
| MOOSE-505016900 | 2196560 | Improved | 1.02 |
| MOOSE-505017150 | 2083171 | Improved | 0.68 |
| MOOSE-505017200 | 1200920 | Improved | 0.77 |
| MOOSE-505017700 | 1567301 | Improved | 0.93 |
| MOOSE-505017850 | 2234615 | Improved | 0.72 |
| MOOSE-505017900 | 1410143 | Improved | 1.11 |
| MOOSE-505018550 | 2217781 | Improved | 1.66 |
| MOOSE-505018950 | 2042717 | Improved | 1.00 |
| MOOSE-505020401 | 2232794 | Improved | 0.97 |
| MOOSE-505020403 | 2232795 | Improved | 0.86 |
| MOOSE-505020501 | 2209713 | Improved | 0.74 |
| MOOSE-505020601 | 2237718 | Improved | 1.13 |
| MOOSE-505020602 | 2237762 | Improved | 1.09 |
| MOOSE-505020900 | 2008236 | Improved | 0.61 |
| MOOSE-505024650 | 2019454 | Improved | 1.83 |
| MOOSE-505103300 | 2042718 | Improved | 0.94 |
| MOOSE-505105550 | 2076853 | Improved | 1.08 |
| MOOSE-505105575 | 2229692 | Improved | 1.11 |
| MOOSE-505106025 | 2017446 | Improved | 0.93 |
| MOOSE-505106350 | 2080737 | Improved | 0.92 |
| MOOSE-505108201 | 2220787 | Improved | 0.81 |
| MOOSE-505108300 | 2017447 | Improved | 1.17 |
| MOOSE-505108702 | 1575981 | Improved | 1.10 |
| MOOSE-505108703 | 2040638 | Improved | 0.94 |
| MOOSE-505108705 | 2017339 | Improved | 0.93 |
| MOOSE-505108714 | 2071034 | Improved | 1.07 |
| MOOSE-505108716 | 2001957 | Improved | 0.97 |
| MOOSE-505108717 | 2051685 | Improved | 0.94 |
| MOOSE-505108732 | 2054021 | Improved | 1.03 |
| MOOSE-505108734 | 2208103 | Improved | 1.02 |
| MOOSE-505110100 | 1572458 | Improved | 1.22 |
| MOOSE-505111351 | 2056937 | Improved | 1.01 |
| MOOSE-505111352 | 2232773 | Improved | 0.92 |
| MOOSE-505111353 | 1574161 | Improved | 0.99 |
| MOOSE-505111354 | 2079792 | Improved | 1.00 |

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| MOOSE-505111362 | 2232744 | Improved | 0.90 |
| MOOSE-505111364 | 2213938 | Improved | 0.97 |
| MOOSE-505111551 | 2232759 | Improved | 0.88 |
| MOOSE-505111554 | 2209698 | Improved | 1.25 |
| MOOSE-505111556 | 2232755 | Improved | 0.91 |
| MOOSE-505111557 | 2184500 | Improved | 1.18 |
| MOOSE-505111558 | 2230956 | Improved | 1.21 |
| MOOSE-505111561 | 2232796 | Improved | 0.93 |
| MOOSE-505111562 | 1582730 | Improved | 1.06 |
| MOOSE-505111563 | 2232776 | Improved | 0.96 |
| MOOSE-505111804 | 2232780 | Improved | 0.99 |
| MOOSE-505111804 | 2232868 | Improved | 1.00 |
| MOOSE-505111813 | 2232789 | Improved | 1.00 |
| MOOSE-505111816 | 2232772 | Improved | 0.88 |
| MOOSE-505111856 | 2071057 | Improved | 0.89 |
| MOOSE-505111858 | 2240748 | Improved | 0.93 |
| MOOSE-505112700 | 1567302 | Improved | 1.26 |
| MOOSE-505113051 | 2082513 | Improved | 0.96 |
| MOOSE-505113054 | 2210483 | Improved | 1.00 |
| MOOSE-505113056 | 1570921 | Improved | 1.00 |
| MOOSE-505113058 | 2102339 | Improved | 1.16 |
| MOOSE-505113700 | 2212952 | Improved | 1.08 |
| MOOSE-505113800 | 2205212 | Improved | 0.91 |
| MOOSE-505114050 | 1200213 | Improved | 0.94 |
| MOOSE-505114100 | 2191682 | Improved | 1.48 |
| MOOSE-505114300 | 1200817 | Improved | 1.08 |
| MOOSE-505115150 | 2193285 | Improved | 0.98 |
| MOOSE-505115550 | 2125392 | Improved | 0.69 |
| MOOSE-505115600 | 2056940 | Improved | 0.71 |
| MOOSE-505200300 | 1575005 | Improved | 1.44 |
| MOOSE-505200750 | 1410864 | Improved | 1.00 |
| MOOSE-505200950 | 2076857 | Improved | 1.03 |
| MOOSE-505201250 | 1200092 | Improved | 1.12 |
| MOOSE-505202150 | 1574163 | Improved | 0.56 |
| MOOSE-505202650 | 2007177 | Improved | 1.12 |
| MOOSE-505202650 | 2181875 | Improved | 0.87 |
| MOOSE-505202750 | 2074678 | Improved | 1.10 |
| MOOSE-505202800 | 1576004 | Improved | 0.88 |
| MOOSE-505203650 | 1200214 | Improved | 1.22 |
| MOOSE-505203750 | 2159106 | Improved | 1.07 |
| MOOSE-505204650 | 2056941 | Improved | 1.36 |
| MOOSE-505204700 | 2204966 | Improved | 1.00 |
| MOOSE-505205200 | 2001966 | Improved | 0.98 |
| MOOSE-505205200 | 2217898 | Improved | 0.93 |
| MOOSE-505206050 | 2065740 | Improved | 1.28 |
| MOOSE-505206050 | 2226324 | Vacant | 1.27 |
| MOOSE-505207900 | 1418034 | Improved | 0.94 |
| MOOSE-505208400 | 2003703 | Improved | 1.26 |
| MOOSE-505208450 | 2100132 | Improved | 0.76 |
| MOOSE-505208500 | 2201510 | Improved | 0.95 |
| MOOSE-505209600 | 2083173 | Improved | 1.81 |
| MOOSE-505209600 | 2216134 | Improved | 0.71 |
| MOOSE-505209700 | 1200020 | Improved | 0.54 |

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| MOOSE-505209800 | 2173551 | Improved | 0.64 |
| MOOSE-505211100 | 2029999 | Improved | 1.31 |
| MOOSE-505211350 | 2017453 | Improved | 1.13 |
| MOOSE-505211750 | 2219756 | Improved | 1.70 |
| MOOSE-505211950 | 2192496 | Improved | 1.75 |
| MOOSE-505212050 | 1201399 | Improved | 0.99 |
| MOOSE-505212850 | 1417856 | Improved | 0.92 |
| MOOSE-505213150 | 2217370 | Improved | 0.77 |
| MOOSE-505213250 | 2221401 | Improved | 0.80 |
| MOOSE-505213500 | 1575006 | Improved | 1.32 |
| MOOSE-505214900 | 1417885 | Improved | 0.89 |
| MOOSE-505214950 | 1201153 | Improved | 0.65 |
| MOOSE-505215550 | 1201195 | Improved | 0.92 |
| MOOSE-505215650 | 1579386 | Improved | 0.74 |
| MOOSE-505215950 | 1570044 | Improved | 0.87 |
| MOOSE-505216050 | 2056942 | Improved | 0.65 |
| MOOSE-505216750 | 1201196 | Vacant | 0.81 |
| MOOSE-505216750 | 2042719 | Improved | 0.86 |
| MOOSE-505217800 | 2206913 | Improved | 0.92 |
| MOOSE-505217950 | 2083175 | Improved | 1.19 |
| MOOSE-505218000 | 2230257 | Improved | 1.14 |
| MOOSE-505218700 | 2214137 | Improved | 0.87 |
| MOOSE-505218900 | 2092656 | Improved | 0.74 |
| MOOSE-505219200 | 2079123 | Improved | 0.79 |
| MOOSE-505219350 | 1417778 | Improved | 0.98 |
| MOOSE-505219400 | 2180172 | Improved | 0.84 |
| MOOSE-505219900 | 1200475 | Improved | 1.05 |
| MOOSE-505220400 | 1201310 | Improved | 0.97 |
| MOOSE-505220850 | 2201155 | Improved | 0.90 |
| MOOSE-505220900 | 1417815 | Improved | 0.73 |
| MOOSE-505220950 | 1200183 | Improved | 1.01 |
| MOOSE-505220950 | 2214608 | Improved | 1.04 |
| MOOSE-505221100 | 2234887 | Improved | 1.31 |
| MOOSE-505221350 | 2236226 | Improved | 1.03 |
| MOOSE-505221500 | 2102341 | Improved | 0.99 |
| MOOSE-505221650 | 2236584 | Improved | 1.46 |
| MOOSE-505221700 | 2201725 | Improved | 0.72 |
| MOOSE-505222750 | 2065743 | Improved | 1.07 |
| MOOSE-505223050 | 2110660 | Improved | 0.87 |
| MOOSE-505223800 | 1572459 | Improved | 0.72 |
| MOOSE-505224850 | 1417857 | Improved | 1.56 |
| MOOSE-505300150 | 2212195 | Improved | 1.10 |
| MOOSE-505300250 | 1568222 | Improved | 1.15 |
| MOOSE-505300250 | 2079124 | Improved | 1.34 |
| MOOSE-505300850 | 1201255 | Improved | 0.80 |
| MOOSE-505301200 | 2216330 | Vacant | 0.96 |
| MOOSE-505302400 | 1200185 | Improved | 0.77 |
| MOOSE-505302600 | 1200941 | Improved | 1.49 |
| MOOSE-505302700 | 1565393 | Improved | 0.82 |
| MOOSE-505302750 | 1200261 | Improved | 0.84 |
| MOOSE-505303300 | 1417917 | Improved | 0.83 |
| MOOSE-505303500 | 1576005 | Improved | 1.04 |
| MOOSE-505303600 | 1574164 | Improved | 1.06 |

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| MOOSE-505303950 | 2230012 | Improved | 1.02 |
| MOOSE-505304200 | 2191708 | Improved | 1.33 |
| MOOSE-505304450 | 1201222 | Improved | 1.84 |
| MOOSE-505307500 | 1200819 | Improved | 0.90 |
| MOOSE-505307600 | 2115407 | Improved | 1.35 |
| MOOSE-505307700 | 2017457 | Improved | 1.24 |
| MOOSE-505308200 | 2217412 | Improved | 0.86 |
| MOOSE-505308300 | 2228653 | Improved | 0.73 |
| MOOSE-505308450 | 1200925 | Improved | 0.80 |
| MOOSE-505308750 | 2074679 | Improved | 0.89 |
| MOOSE-505308800 | 1200319 | Improved | 1.15 |
| MOOSE-505310650 | 1201311 | Improved | 1.57 |
| MOOSE-505310850 | 2225557 | Improved | 0.87 |
| MOOSE-505311400 | 1579387 | Vacant | 0.82 |
| MOOSE-505401750 | 1200976 | Improved | 0.69 |
| MOOSE-514701250 | 2214181 | Improved | 1.11 |
| MOOSE-514701500 | 1200796 | Improved | 0.89 |
| MOOSE-514701650 | 2071059 | Improved | 0.92 |
| MOOSE-514701900 | 2125393 | Improved | 1.09 |
| MOOSE-514702000 | 2182931 | Improved | 1.20 |
| MOOSE-514703200 | 1200882 | Improved | 0.93 |
| MOOSE-514703550 | 1200294 | Improved | 0.99 |
| MOOSE-514703700 | 2033741 | Improved | 0.96 |
| MOOSE-514704500 | 1201026 | Improved | 0.81 |
| MOOSE-514704500 | 1411948 | Improved | 1.03 |
| MOOSE-514704500 | 2071060 | Improved | 0.84 |
| MOOSE-514704600 | 2040659 | Improved | 1.07 |
| MOOSE-514704650 | 1575007 | Improved | 1.02 |
| MOOSE-514704750 | 2223967 | Improved | 1.13 |
| MOOSE-514705250 | 1417779 | Improved | 0.78 |
| MOOSE-514705250 | 2200989 | Improved | 0.75 |
| MOOSE-514705900 | 2045383 | Improved | 0.99 |
| MOOSE-514706350 | 1572460 | Improved | 0.90 |
| MOOSE-514706450 | 2030000 | Improved | 1.00 |
| MOOSE-514706850 | 2214501 | Vacant | 1.11 |
| MOOSE-514707000 | 2215808 | Improved | 1.00 |
| MOOSE-514707200 | 1201099 | Improved | 0.90 |
| MOOSE-514707200 | 2100134 | Improved | 0.93 |
| MOOSE-514707450 | 1201240 | Improved | 0.89 |
| MOOSE-514708200 | 1200231 | Improved | 1.14 |
| MOOSE-514801750 | 2223838 | Improved | 1.15 |
| MOOSE-514802150 | 1417886 | Improved | 1.01 |
| MOOSE-514802150 | 1565420 | Improved | 0.94 |
| MOOSE-514802250 | 1581748 | Improved | 1.04 |
| MOOSE-514802650 | 1412082 | Improved | 0.94 |
| MOOSE-514803800 | 2076862 | Improved | 0.84 |
| MOOSE-514803950 | 1200536 | Improved | 0.66 |
| MOOSE-514804150 | 1200476 | Improved | 0.78 |
| MOOSE-514804800 | 2220641 | Improved | 0.93 |
| MOOSE-514804850 | 2051702 | Improved | 1.55 |
| MOOSE-514805000 | 2214219 | Improved | 1.16 |
| MOOSE-514805150 | 1200537 | Improved | 0.79 |
| MOOSE-514805450 | 2233439 | Improved | 1.24 |

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| MOOSE-514805500 | 1201077 | Improved | 1.10 |
| MOOSE-514805850 | 2230834 | Improved | 1.78 |
| MOOSE-514806200 | 2017461 | Improved | 0.88 |
| MOOSE-514806500 | 1571963 | Improved | 0.85 |
| MOOSE-514806650 | 1200263 | Improved | 1.22 |
| MOOSE-514806650 | 2214827 | Improved | 0.89 |
| MOOSE-514806700 | 2204450 | Improved | 0.97 |
| MOOSE-514806850 | 1201400 | Improved | 0.85 |
| MOOSE-514807000 | 2017463 | Improved | 1.22 |
| MOOSE-514807100 | 1200094 | Improved | 0.68 |
| MOOSE-514807125 | 1201113 | Vacant | 1.13 |
| MOOSE-514807125 | 2225338 | Vacant | 0.94 |
| MOOSE-514807150 | 2204139 | Vacant | 0.93 |
| MOOSE-514807900 | 2033742 | Improved | 1.70 |
| MOOSE-514808300 | 2187736 | Improved | 1.26 |
| MOOSE-514808450 | 2017464 | Improved | 0.92 |
| MOOSE-514808500 | 2185439 | Improved | 1.33 |
| MOOSE-514809100 | 1576006 | Improved | 0.92 |
| MOOSE-514809350 | 1200798 | Improved | 0.93 |
| MOOSE-514809650 | 2079794 | Improved | 0.83 |
| MOOSE-514809750 | 2076863 | Improved | 0.77 |
| MOOSE-514810300 | 2188206 | Improved | 0.95 |
| MOOSE-514810900 | 1200731 | Improved | 0.97 |
| MOOSE-514811050 | 2184231 | Improved | 1.03 |
| MOOSE-514811100 | 1200883 | Improved | 1.11 |
| MOOSE-514811300 | 2042721 | Improved | 1.28 |
| MOOSE-514811300 | 2187223 | Improved | 0.75 |
| MOOSE-514811850 | 1570046 | Improved | 0.85 |
| MOOSE-514811850 | 2234023 | Improved | 0.91 |
| MOOSE-514812000 | 1570924 | Improved | 1.27 |
| MOOSE-514813750 | 2082514 | Improved | 1.06 |
| MOOSE-514814200 | 2228974 | Improved | 1.20 |
| MOOSE-514814750 | 1572461 | Improved | 1.11 |
| MOOSE-514903650 | 2181494 | Improved | 1.18 |
| MOOSE-514905200 | 2074681 | Improved | 0.79 |
| MOOSE-514905400 | 2219189 | Improved | 1.06 |
| MOOSE-514906300 | 1200849 | Improved | 1.09 |
| MOOSE-514906950 | 1200850 | Improved | 0.89 |
| MOOSE-514907050 | 2236186 | Improved | 1.01 |
| MOOSE-514907200 | 1412542 | Improved | 0.91 |
| MOOSE-514907350 | 1574166 | Improved | 1.23 |
| MOOSE-514907850 | 2231574 | Improved | 0.81 |
| MOOSE-514908050 | 2209687 | Improved | 0.89 |
| MOOSE-514908300 | 2226623 | Improved | 0.92 |
| MOOSE-515000400 | 1201027 | Improved | 0.84 |
| MOOSE-515001750 | 1417934 | Improved | 1.23 |
| MOOSE-515002100 | 2065745 | Improved | 1.00 |
| MOOSE-515002450 | 1200188 | Improved | 0.88 |
| MOOSE-515003100 | 2204982 | Improved | 0.66 |
| MOOSE-515003400 | 2191850 | Improved | 0.87 |
| MOOSE-515003650 | 1200501 | Improved | 0.77 |
| MOOSE-515004550 | 2186831 | Improved | 1.29 |
| MOOSE-515004750 | 2017467 | Improved | 1.19 |

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| MOOSE-515005350 | 1568224 | Improved | 0.87 |
| MOOSE-515005400 | 1583692 | Improved | 1.48 |
| MOOSE-515005400 | 2226504 | Improved | 0.89 |
| MOOSE-515005550 | 1417838 | Improved | 1.42 |
| MOOSE-515005650 | 2209551 | Improved | 1.04 |
| MOOSE-515005850 | 2173554 | Improved | 0.96 |
| MOOSE-515006950 | 2042723 | Improved | 1.34 |
| MOOSE-515007250 | 2207873 | Improved | 1.17 |
| MOOSE-515007350 | 1200502 | Improved | 0.95 |
| MOOSE-515007400 | 2212676 | Improved | 0.72 |
| MOOSE-515007800 | 1200733 | Improved | 0.82 |
| MOOSE-515008000 | 1200703 | Improved | 1.18 |
| MOOSE-515008050 | 1583693 | Improved | 1.05 |
| MOOSE-515008150 | 2040660 | Improved | 1.07 |
| MOOSE-515008200 | 2229188 | Improved | 1.15 |
| MOOSE-515008500 | 1565398 | Improved | 1.24 |
| MOOSE-515008750 | 1201256 | Improved | 0.87 |
| MOOSE-515009150 | 1201312 | Improved | 1.08 |
| MOOSE-515009900 | 2017468 | Improved | 1.03 |
| MOOSE-515010300 | 2207003 | Improved | 0.66 |
| MOOSE-515010650 | 2219081 | Improved | 0.84 |
| MOOSE-515010850 | 2226845 | Improved | 0.91 |
| MOOSE-515011350 | 2201926 | Improved | 1.12 |
| MOOSE-515012000 | 2054035 | Improved | 0.74 |
| MOOSE-515012000 | 2187970 | Improved | 0.96 |
| MOOSE-515013200 | 1201028 | Improved | 1.14 |
| MOOSE-515013350 | 1200763 | Improved | 1.21 |
| MOOSE-515013400 | 1571964 | Improved | 1.38 |
| MOOSE-515013400 | 2017470 | Improved | 0.71 |
| MOOSE-515013850 | 1412935 | Improved | 0.82 |
| MOOSE-515014250 | 2017471 | Improved | 1.27 |
| MOOSE-515014450 | 2186591 | Improved | 1.20 |
| MOOSE-515101405 | 1563571 | Improved | 0.87 |
| MOOSE-515101410 | 2200229 | Improved | 1.03 |
| MOOSE-515101411 | 2077278 | Improved | 0.98 |
| MOOSE-515101414 | 1201286 | Improved | 1.13 |
| MOOSE-515104200 | 1574167 | Improved | 1.03 |
| MOOSE-515104300 | 2209497 | Improved | 0.69 |
| MOOSE-515104860 | 1572469 | Improved | 0.83 |
| MOOSE-515104890 | 2196241 | Improved | 0.94 |
| MOOSE-515104890 | 2218588 | Improved | 0.95 |
| MOOSE-515104940 | 1417089 | Improved | 0.77 |
| MOOSE-515105400 | 1582733 | Improved | 1.03 |
| MOOSE-515106000 | 2003707 | Improved | 0.90 |
| MOOSE-515106500 | 1201131 | Improved | 1.00 |
| MOOSE-515106550 | 2209777 | Improved | 0.85 |
| MOOSE-515107162 | 1201344 | Improved | 0.93 |
| MOOSE-515107190 | 2213194 | Improved | 1.14 |
| MOOSE-515107200 | 2213646 | Improved | 0.99 |
| MOOSE-515107400 | 1576007 | Improved | 0.80 |
| MOOSE-515107600 | 1571965 | Improved | 1.08 |
| MOOSE-524600100 | 1576008 | Improved | 1.01 |
| MOOSE-524600100 | 2023041 | Improved | 0.99 |

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| MOOSE-524600150 | 2182207 | Improved | 1.04 |
| MOOSE-524600650 | 1413173 | Improved | 1.00 |
| MOOSE-524600650 | 1577470 | Improved | 1.03 |
| MOOSE-524600700 | 1413178 | Improved | 1.01 |
| MOOSE-524600700 | 2002860 | Improved | 1.01 |
| MOOSE-524600816 | 2082515 | Improved | 0.95 |
| MOOSE-524600831 | 2080740 | Improved | 0.91 |
| MOOSE-524600833 | 1570047 | Improved | 0.92 |
| MOOSE-524600837 | 1568225 | Improved | 0.88 |
| MOOSE-524600837 | 2079795 | Improved | 0.85 |
| MOOSE-524600839 | 2080741 | Improved | 0.92 |
| MOOSE-524600841 | 1413215 | Improved | 0.97 |
| MOOSE-524600844 | 2197918 | Improved | 1.04 |
| MOOSE-524600845 | 1201053 | Improved | 0.94 |
| MOOSE-524600847 | 2076864 | Improved | 0.99 |
| MOOSE-524600848 | 1200234 | Improved | 1.02 |
| MOOSE-524601100 | 2221342 | Improved | 1.07 |
| MOOSE-524601200 | 2195934 | Improved | 1.04 |
| MOOSE-524602850 | 2019460 | Improved | 1.14 |
| MOOSE-524603350 | 1200800 | Improved | 1.01 |
| MOOSE-524603500 | 1200704 | Improved | 0.92 |
| MOOSE-524603500 | 2215839 | Improved | 0.90 |
| MOOSE-524603600 | 2226373 | Improved | 0.94 |
| MOOSE-524603700 | 2082516 | Improved | 0.94 |
| MOOSE-524603750 | 2192472 | Improved | 1.04 |
| MOOSE-524604100 | 2102343 | Improved | 1.10 |
| MOOSE-524604300 | 1200538 | Improved | 0.92 |
| MOOSE-524605150 | 1200539 | Improved | 0.85 |
| MOOSE-524605450 | 1201243 | Improved | 1.09 |
| MOOSE-524605656 | 1416111 | Improved | 0.93 |
| MOOSE-524605788 | 1200322 | Improved | 0.91 |
| MOOSE-524605804 | 2183669 | Improved | 0.85 |
| MOOSE-524605806 | 1200780 | Improved | 1.08 |
| MOOSE-524605822 | 1565424 | Improved | 0.92 |
| MOOSE-524605824 | 2216931 | Improved | 0.86 |
| MOOSE-524605828 | 2234529 | Improved | 0.93 |
| MOOSE-524605830 | 2216655 | Improved | 0.91 |
| MOOSE-524605836 | 2080718 | Improved | 0.86 |
| MOOSE-524605840 | 2100119 | Improved | 0.96 |
| MOOSE-524605896 | 2182313 | Improved | 1.14 |
| MOOSE-524605898 | 2223215 | Vacant | 0.95 |
| MOOSE-524606050 | 1201375 | Improved | 0.85 |
| MOOSE-524606100 | 1201030 | Improved | 1.02 |
| MOOSE-524606200 | 1578404 | Improved | 1.14 |
| MOOSE-524606350 | 2188958 | Improved | 1.03 |
| MOOSE-524606900 | 2203253 | Improved | 1.04 |
| MOOSE-524607750 | 2110661 | Improved | 0.86 |
| MOOSE-524608004 | 1200023 | Improved | 1.00 |
| MOOSE-524608004 | 2215690 | Improved | 0.95 |
| MOOSE-524608005 | 1200773 | Improved | 0.91 |
| MOOSE-524608006 | 2079797 | Improved | 0.94 |
| MOOSE-524608007 | 1200509 | Improved | 1.02 |
| MOOSE-524608016 | 2173536 | Improved | 0.95 |

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| MOOSE-524608020 | 1417974 | Improved | 0.90 |
| MOOSE-524608020 | 2195365 | Improved | 0.84 |
| MOOSE-524608026 | 2180262 | Improved | 0.96 |
| MOOSE-524608028 | 1418016 | Improved | 0.90 |
| MOOSE-524608030 | 1576541 | Improved | 0.89 |
| MOOSE-524608038 | 1200709 | Improved | 0.88 |
| MOOSE-524608038 | 1577475 | Improved | 0.90 |
| MOOSE-524608050 | 2205462 | Improved | 1.01 |
| MOOSE-524608052 | 2002844 | Improved | 1.02 |
| MOOSE-524608052 | 2017352 | Improved | 1.02 |
| MOOSE-524608052 | 2080717 | Improved | 1.06 |
| MOOSE-524608054 | 2115391 | Improved | 1.00 |
| MOOSE-524608068 | 1565381 | Improved | 1.00 |
| MOOSE-524608100 | 2017473 | Vacant | 1.08 |
| MOOSE-524608100 | 2206830 | Improved | 1.01 |
| MOOSE-524608110 | 1418042 | Improved | 1.05 |
| MOOSE-524608140 | 1201350 | Improved | 1.09 |
| MOOSE-524608160 | 1201110 | Improved | 0.95 |
| MOOSE-524608180 | 1200827 | Improved | 0.98 |
| MOOSE-524608340 | 1200078 | Vacant | 1.01 |
| MOOSE-524609450 | 2102344 | Improved | 0.97 |
| MOOSE-524609550 | 2080742 | Improved | 0.97 |
| MOOSE-524609850 | 1413476 | Improved | 0.83 |
| MOOSE-524609950 | 1571966 | Improved | 0.93 |
| MOOSE-524610700 | 1579390 | Improved | 1.17 |
| MOOSE-524610950 | 1565361 | Improved | 0.95 |
| MOOSE-524611100 | 2017474 | Improved | 1.10 |
| MOOSE-524611200 | 1583695 | Improved | 1.12 |
| MOOSE-524611800 | 1200160 | Improved | 1.01 |
| MOOSE-524612000 | 2056944 | Improved | 1.14 |
| MOOSE-524612300 | 2236220 | Improved | 1.17 |
| MOOSE-524612600 | 1413527 | Improved | 1.07 |
| MOOSE-524612750 | 1201301 | Improved | 0.80 |
| MOOSE-524612750 | 2180152 | Improved | 1.03 |
| MOOSE-524613000 | 2184965 | Improved | 0.96 |
| MOOSE-524613900 | 1417986 | Improved | 0.88 |
| MOOSE-524614050 | 2071061 | Improved | 0.92 |
| MOOSE-524614800 | 1200705 | Improved | 0.97 |
| MOOSE-524614950 | 2051705 | Improved | 0.94 |
| MOOSE-524615450 | 1417817 | Improved | 1.11 |
| MOOSE-524615600 | 1200295 | Improved | 1.02 |
| MOOSE-524615650 | 1200765 | Improved | 1.06 |
| MOOSE-524615700 | 1577471 | Improved | 1.08 |
| MOOSE-524617702 | 1200132 | Improved | 0.85 |
| MOOSE-524617702 | 1417923 | Improved | 0.90 |
| MOOSE-524617706 | 1200147 | Improved | 0.95 |
| MOOSE-524617708 | 1200823 | Improved | 0.89 |
| MOOSE-524617710 | 1200456 | Improved | 0.92 |
| MOOSE-524617712 | 1201156 | Improved | 0.91 |
| MOOSE-524617714 | 1570902 | Improved | 0.89 |
| MOOSE-524617716 | 1200134 | Vacant | 1.23 |
| MOOSE-524617716 | 1200825 | Improved | 0.92 |
| MOOSE-524617718 | 2017337 | Improved | 1.00 |

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| MOOSE-524617724 | 1417502 | Improved | 0.96 |
| MOOSE-524617730 | 1200824 | Improved | 1.10 |
| MOOSE-524617730 | 2223470 | Improved | 1.00 |
| MOOSE-524617734 | 1417994 | Improved | 1.06 |
| MOOSE-524617736 | 1417898 | Improved | 1.01 |
| MOOSE-524617738 | 1565341 | Improved | 1.04 |
| MOOSE-524617740 | 2077279 | Vacant | 1.38 |
| MOOSE-524617742 | 2190408 | Vacant | 0.83 |
| MOOSE-524617742 | 2203530 | Improved | 0.93 |
| MOOSE-524617756 | 2003693 | Vacant | 0.95 |
| MOOSE-524617758 | 2007162 | Vacant | 0.95 |
| MOOSE-524617770 | 2159085 | Vacant | 0.96 |
| MOOSE-524617772 | 2159084 | Vacant | 0.96 |
| MOOSE-524617772 | 2210249 | Improved | 0.88 |
| MOOSE-524617774 | 2159083 | Vacant | 0.96 |
| MOOSE-524617774 | 2184169 | Improved | 0.98 |
| MOOSE-524617776 | 2017336 | Improved | 1.27 |
| MOOSE-524617778 | 2071032 | Improved | 1.05 |
| MOOSE-524617780 | 2017335 | Improved | 0.94 |
| MOOSE-524617782 | 1565340 | Vacant | 1.25 |
| MOOSE-524617782 | 1578383 | Improved | 1.11 |
| MOOSE-524617784 | 1565339 | Vacant | 1.25 |
| MOOSE-524617784 | 1575979 | Improved | 1.11 |
| MOOSE-524617784 | 2215069 | Improved | 0.92 |
| MOOSE-524617786 | 1200775 | Improved | 1.05 |
| MOOSE-524617786 | 2080715 | Improved | 0.99 |
| MOOSE-524617788 | 1201314 | Vacant | 1.25 |
| MOOSE-524617788 | 1418041 | Improved | 1.02 |
| MOOSE-524617794 | 1580258 | Improved | 0.97 |
| MOOSE-524617800 | 1413595 | Improved | 1.11 |
| MOOSE-524617804 | 1201349 | Improved | 1.02 |
| MOOSE-524617806 | 2187264 | Improved | 1.03 |
| MOOSE-524617808 | 1201108 | Improved | 1.03 |
| MOOSE-524617812 | 1200513 | Vacant | 0.95 |
| MOOSE-524617812 | 1201351 | Improved | 0.99 |
| MOOSE-524617814 | 1200957 | Vacant | 0.95 |
| MOOSE-524617814 | 1583679 | Improved | 0.93 |
| MOOSE-524617816 | 1200956 | Vacant | 0.95 |
| MOOSE-524617816 | 1570027 | Improved | 0.96 |
| MOOSE-524617816 | 2079098 | Improved | 0.92 |
| MOOSE-524617818 | 1200828 | Improved | 1.01 |
| MOOSE-524617818 | 2218571 | Improved | 0.92 |
| MOOSE-524617820 | 1200826 | Improved | 1.02 |
| MOOSE-524617820 | 2079097 | Improved | 0.99 |
| MOOSE-524617822 | 2083162 | Improved | 0.95 |
| MOOSE-524617824 | 1200222 | Vacant | 0.95 |
| MOOSE-524617824 | 1201348 | Improved | 1.08 |
| MOOSE-524617826 | 1201117 | Vacant | 0.95 |
| MOOSE-524617826 | 2233828 | Improved | 1.01 |
| MOOSE-524617828 | 1417509 | Vacant | 0.97 |
| MOOSE-524617828 | 2040636 | Improved | 0.98 |
| MOOSE-524617830 | 1201211 | Vacant | 1.00 |
| MOOSE-524617830 | 2190292 | Improved | 1.05 |

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| MOOSE-524700500 | 1418035 | Improved | 0.90 |
| MOOSE-524701650 | 1417987 | Improved | 0.88 |
| MOOSE-524702500 | 1413650 | Improved | 0.81 |
| MOOSE-524702550 | 1201223 | Improved | 1.04 |
| MOOSE-524703050 | 1200821 | Improved | 0.94 |
| MOOSE-524703700 | 1201224 | Improved | 1.21 |
| MOOSE-524703700 | 2207881 | Improved | 0.88 |
| MOOSE-524704050 | 1200161 | Improved | 0.80 |
| MOOSE-524704050 | 2159110 | Improved | 0.76 |
| MOOSE-524704400 | 2051706 | Improved | 0.98 |
| MOOSE-524704900 | 2100135 | Improved | 1.01 |
| MOOSE-524704950 | 2076866 | Improved | 1.20 |
| MOOSE-524704950 | 2229968 | Improved | 1.64 |
| MOOSE-524705850 | 1201101 | Improved | 0.92 |
| MOOSE-524705850 | 2159111 | Improved | 0.88 |
| MOOSE-524706150 | 1565362 | Improved | 0.87 |
| MOOSE-524706250 | 1200189 | Improved | 1.01 |
| MOOSE-524706350 | 2017477 | Improved | 0.95 |
| MOOSE-524706550 | 1200734 | Improved | 0.74 |
| MOOSE-524706950 | 1574169 | Improved | 1.05 |
| MOOSE-524707100 | 1566236 | Improved | 1.37 |
| MOOSE-524707300 | 2234426 | Improved | 0.75 |
| MOOSE-524708000 | 1417818 | Improved | 1.03 |
| MOOSE-524708000 | 1572463 | Improved | 0.82 |
| MOOSE-524708050 | 1201198 | Improved | 1.20 |
| MOOSE-524708200 | 2190428 | Improved | 1.03 |
| MOOSE-524708850 | 1200190 | Improved | 0.93 |
| MOOSE-524709350 | 2216446 | Improved | 0.83 |
| MOOSE-524709550 | 2071062 | Improved | 0.88 |
| MOOSE-524709700 | 1200801 | Improved | 0.86 |
| MOOSE-524709900 | 1581751 | Improved | 0.83 |
| MOOSE-524710250 | 1413827 | Improved | 1.08 |
| MOOSE-524710650 | 1568227 | Improved | 1.09 |
| MOOSE-524711150 | 1201257 | Improved | 1.11 |
| MOOSE-524711200 | 2204453 | Improved | 0.97 |
| MOOSE-524712250 | 2056945 | Improved | 0.96 |
| MOOSE-524712350 | 1571968 | Improved | 0.95 |
| MOOSE-524712525 | 1418009 | Improved | 0.93 |
| MOOSE-524712900 | 1413890 | Improved | 1.12 |
| MOOSE-524713150 | 1200323 | Improved | 1.01 |
| MOOSE-524713300 | 2229371 | Improved | 1.12 |
| MOOSE-524713350 | 1579391 | Improved | 1.08 |
| MOOSE-524713650 | 2173556 | Improved | 0.95 |
| MOOSE-524713750 | 1200851 | Improved | 1.14 |
| MOOSE-524714250 | 1417936 | Improved | 0.83 |
| MOOSE-524714600 | 1568228 | Improved | 0.83 |
| MOOSE-524715000 | 1576009 | Improved | 0.92 |
| MOOSE-524715000 | 2214136 | Improved | 0.86 |
| MOOSE-524715050 | 2076867 | Improved | 0.95 |
| MOOSE-524715150 | 1200540 | Improved | 0.93 |
| MOOSE-524715400 | 1201055 | Improved | 1.02 |
| MOOSE-524716200 | 2040661 | Improved | 0.82 |
| MOOSE-524717350 | 1201258 | Improved | 1.06 |

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| MOOSE-524717950 | 1200767 | Improved | 0.90 |
| MOOSE-524718150 | 2181329 | Improved | 1.09 |
| MOOSE-524718250 | 1417797 | Improved | 0.83 |
| MOOSE-524718250 | 2185142 | Improved | 0.84 |
| MOOSE-524718450 | 2017479 | Improved | 1.53 |
| MOOSE-524718450 | 2230153 | Improved | 1.28 |
| MOOSE-524718550 | 1200296 | Improved | 0.79 |
| MOOSE-524719500 | 1201402 | Improved | 0.79 |
| MOOSE-524719850 | 2231501 | Improved | 0.98 |
| MOOSE-524720200 | 1200265 | Improved | 0.92 |
| MOOSE-524720550 | 2223591 | Improved | 1.07 |
| MOOSE-524720750 | 1200884 | Improved | 1.10 |
| MOOSE-524721250 | 2232947 | Improved | 1.03 |
| MOOSE-524721650 | 1200706 | Improved | 0.80 |
| MOOSE-524721850 | 1200504 | Improved | 1.03 |
| MOOSE-524721950 | 1579392 | Improved | 1.11 |
| MOOSE-524722450 | 2217953 | Improved | 1.06 |
| MOOSE-524723650 | 1417988 | Improved | 0.89 |
| MOOSE-524724200 | 2238075 | Improved | 0.90 |
| MOOSE-524724550 | 2221133 | Improved | 0.76 |
| MOOSE-524725600 | 1575009 | Improved | 0.95 |
| MOOSE-524725650 | 2003708 | Improved | 0.93 |
| MOOSE-524725750 | 2225038 | Improved | 0.77 |
| MOOSE-524726100 | 1200038 | Improved | 1.27 |
| MOOSE-524726400 | 2076868 | Improved | 0.94 |
| MOOSE-524726950 | 1571969 | Improved | 0.90 |
| MOOSE-524727300 | 2191298 | Improved | 0.77 |
| MOOSE-524727550 | 1579394 | Improved | 0.78 |
| MOOSE-524728000 | 1201313 | Improved | 0.93 |
| MOOSE-524728150 | 1200191 | Improved | 1.06 |
| MOOSE-524728200 | 2017480 | Improved | 0.80 |
| MOOSE-524728500 | 1573200 | Improved | 0.85 |
| MOOSE-524729200 | 1201245 | Improved | 1.18 |
| MOOSE-524729300 | 1568229 | Improved | 0.97 |
| MOOSE-524729450 | 2213243 | Improved | 0.95 |
| MOOSE-524730950 | 1572464 | Improved | 0.89 |
| MOOSE-524731050 | 2237688 | Improved | 1.27 |
| MOOSE-524731200 | 2092660 | Improved | 0.89 |
| MOOSE-524731400 | 2218843 | Improved | 1.34 |
| MOOSE-524731600 | 2222639 | Improved | 0.85 |
| MOOSE-524732300 | 2042724 | Improved | 1.18 |
| MOOSE-524732300 | 2102345 | Improved | 1.18 |
| MOOSE-524732600 | 2186268 | Improved | 1.09 |
| MOOSE-524732800 | 1200904 | Improved | 0.97 |
| MOOSE-524733000 | 1572465 | Improved | 0.95 |
| MOOSE-524733050 | 2213538 | Improved | 1.08 |
| MOOSE-524733250 | 1200297 | Improved | 0.87 |
| MOOSE-524733500 | 1565363 | Improved | 0.98 |
| MOOSE-524733600 | 1417904 | Improved | 0.93 |
| MOOSE-524800550 | 2017484 | Improved | 1.10 |
| MOOSE-524801000 | 1417890 | Improved | 1.01 |
| MOOSE-524801050 | 2004811 | Improved | 1.02 |
| MOOSE-524801250 | 1200768 | Improved | 0.82 |

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| MOOSE-524801250 | 2079125 | Improved | 0.82 |
| MOOSE-524802200 | 1200022 | Improved | 0.89 |
| MOOSE-524802500 | 1200769 | Improved | 0.81 |
| MOOSE-524802550 | 1565399 | Improved | 1.08 |
| MOOSE-524803950 | 2080743 | Improved | 1.09 |
| MOOSE-524804200 | 1569109 | Improved | 0.85 |
| MOOSE-524804250 | 2194434 | Improved | 0.76 |
| MOOSE-524804300 | 2189091 | Improved | 1.43 |
| MOOSE-524804350 | 2232233 | Improved | 1.11 |
| MOOSE-524804500 | 1201103 | Improved | 0.98 |
| MOOSE-524804750 | 1200707 | Improved | 0.95 |
| MOOSE-524804900 | 2227655 | Improved | 1.02 |
| MOOSE-524805000 | 2202246 | Improved | 1.52 |
| MOOSE-524805150 | 1414419 | Improved | 0.81 |
| MOOSE-524805650 | 2004812 | Improved | 0.89 |
| MOOSE-524806550 | 1200477 | Improved | 1.18 |
| MOOSE-524806700 | 1417871 | Improved | 0.94 |
| MOOSE-524806800 | 1200266 | Improved | 0.78 |
| MOOSE-524806850 | 1200802 | Improved | 1.00 |
| MOOSE-524806950 | 2216932 | Improved | 0.88 |
| MOOSE-524807000 | 2102346 | Improved | 1.19 |
| MOOSE-524807350 | 2100137 | Improved | 1.04 |
| MOOSE-524808250 | 1200928 | Improved | 1.11 |
| MOOSE-524808850 | 2076869 | Improved | 1.10 |
| MOOSE-524809000 | 2083181 | Improved | 1.25 |
| MOOSE-524809500 | 1200193 | Improved | 1.16 |
| MOOSE-524809550 | 1200541 | Improved | 1.20 |
| MOOSE-524809600 | 2194294 | Improved | 0.87 |
| MOOSE-524810150 | 1200144 | Improved | 1.02 |
| MOOSE-524811500 | 1200906 | Improved | 0.81 |
| MOOSE-524811700 | 2102347 | Improved | 1.07 |
| MOOSE-524812200 | 2215382 | Improved | 0.94 |
| MOOSE-524813000 | 2079796 | Improved | 1.01 |
| MOOSE-524813100 | 1201173 | Improved | 1.31 |
| MOOSE-524813200 | 1201174 | Improved | 0.88 |
| MOOSE-524813200 | 1581753 | Improved | 0.91 |
| MOOSE-524813300 | 1417905 | Improved | 0.80 |
| MOOSE-524813350 | 1414590 | Improved | 1.00 |
| MOOSE-524813350 | 2200471 | Improved | 0.97 |
| MOOSE-524813600 | 1200506 | Improved | 0.99 |
| MOOSE-524814550 | 2187958 | Improved | 0.93 |
| MOOSE-524814550 | 2205390 | Improved | 0.92 |
| MOOSE-524814550 | 2213309 | Improved | 1.08 |
| MOOSE-524814800 | 2196297 | Improved | 1.42 |
| MOOSE-524814900 | 2202549 | Improved | 0.80 |
| MOOSE-524815350 | 1200095 | Improved | 1.16 |
| MOOSE-524815400 | 2207763 | Improved | 0.91 |
| MOOSE-524816550 | 2017487 | Improved | 0.92 |
| MOOSE-524816800 | 2051709 | Improved | 1.43 |
| MOOSE-524817150 | 2079126 | Improved | 1.24 |
| MOOSE-524817250 | 1201270 | Improved | 1.03 |
| MOOSE-524817400 | 1200216 | Improved | 0.98 |
| MOOSE-524817450 | 2225150 | Improved | 1.20 |

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| MOOSE-524817500 | 2083182 | Improved | 0.91 |
| MOOSE-524820700 | 2077292 | Improved | 0.94 |
| MOOSE-524821100 | 2076870 | Improved | 0.92 |
| MOOSE-524822200 | 1567303 | Improved | 0.74 |
| MOOSE-524822500 | 1564612 | Improved | 1.77 |
| MOOSE-524822850 | 1565400 | Improved | 1.10 |
| MOOSE-524823000 | 2017488 | Improved | 1.26 |
| MOOSE-524823100 | 2080744 | Improved | 1.22 |
| MOOSE-524823550 | 2017489 | Improved | 1.73 |
| MOOSE-524823550 | 2218896 | Improved | 0.97 |
| MOOSE-524823600 | 1200737 | Improved | 0.97 |
| MOOSE-524824150 | 1583698 | Vacant | 0.80 |
| MOOSE-524824300 | 1200507 | Improved | 1.23 |
| MOOSE-524824600 | 2216517 | Improved | 1.12 |
| MOOSE-524824650 | 2125395 | Improved | 1.01 |
| MOOSE-524825300 | 2231000 | Improved | 0.73 |
| MOOSE-524825350 | 2040662 | Improved | 1.05 |
| MOOSE-524825550 | 1201259 | Improved | 0.86 |
| MOOSE-524826200 | 1201200 | Improved | 1.02 |
| MOOSE-524826650 | 1200543 | Improved | 0.87 |
| MOOSE-524827150 | 1570927 | Improved | 1.50 |
| MOOSE-524827450 | 2187473 | Improved | 1.14 |
| MOOSE-524827700 | 2236836 | Improved | 1.17 |
| MOOSE-524828451 | 1574140 | Improved | 0.98 |
| MOOSE-524828452 | 2183788 | Improved | 1.08 |
| MOOSE-524828453 | 2181300 | Improved | 1.01 |
| MOOSE-524828454 | 2247907 | Improved | 1.01 |
| MOOSE-524828455 | 2247906 | Improved | 1.01 |
| MOOSE-524828456 | 2247905 | Improved | 1.01 |
| MOOSE-524828457 | 1417845 | Improved | 1.03 |
| MOOSE-524828458 | 1417750 | Improved | 1.00 |
| MOOSE-524828459 | 2248822 | Improved | 1.03 |
| MOOSE-524828460 | 1417866 | Improved | 0.98 |
| MOOSE-524828461 | 1201363 | Improved | 1.02 |
| MOOSE-524828462 | 2232760 | Improved | 1.02 |
| MOOSE-524828463 | 2232761 | Improved | 1.03 |
| MOOSE-524828464 | 2232753 | Improved | 0.99 |
| MOOSE-524828465 | 2232775 | Improved | 1.02 |
| MOOSE-524828466 | 2232764 | Improved | 1.01 |
| MOOSE-524828466 | 2232896 | Improved | 0.96 |
| MOOSE-524828467 | 2232752 | Improved | 1.03 |
| MOOSE-524828469 | 2232749 | Improved | 1.05 |
| MOOSE-524828470 | 2232748 | Improved | 0.98 |
| MOOSE-524828470 | 2232854 | Improved | 1.02 |
| MOOSE-524828471 | 2232745 | Improved | 1.03 |
| MOOSE-524828472 | 2232777 | Improved | 1.01 |
| MOOSE-524828473 | 2232746 | Improved | 1.01 |
| MOOSE-524828476 | 2247909 | Improved | 0.97 |
| MOOSE-524828602 | 2242489 | Improved | 0.84 |
| MOOSE-524828603 | 2242422 | Improved | 0.92 |
| MOOSE-524828604 | 2242472 | Improved | 0.85 |
| MOOSE-524828605 | 2242416 | Improved | 0.99 |
| MOOSE-524828606 | 2242421 | Improved | 0.97 |

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| MOOSE-524828607 | 2242415 | Improved | 0.92 |
| MOOSE-524828608 | 2242462 | Improved | 0.89 |
| MOOSE-524828609 | 2242492 | Improved | 0.89 |
| MOOSE-524828610 | 2242463 | Improved | 0.90 |
| MOOSE-524828611 | 2242612 | Improved | 0.91 |
| MOOSE-524828612 | 2242493 | Improved | 0.95 |
| MOOSE-524828614 | 2242423 | Improved | 0.83 |
| MOOSE-524828615 | 2242425 | Improved | 0.83 |
| MOOSE-524828616 | 2242457 | Improved | 0.87 |
| MOOSE-524828617 | 2242483 | Improved | 0.79 |
| MOOSE-524828618 | 2242550 | Improved | 0.82 |
| MOOSE-524828619 | 2242484 | Improved | 0.87 |
| MOOSE-524828620 | 2242485 | Improved | 0.81 |
| MOOSE-524828621 | 2242466 | Improved | 0.89 |
| MOOSE-524828622 | 2242467 | Improved | 0.96 |
| MOOSE-524828623 | 2242476 | Improved | 0.92 |
| MOOSE-524828624 | 2242424 | Improved | 0.92 |
| MOOSE-524828625 | 2242458 | Improved | 0.93 |
| MOOSE-524828818 | 2232790 | Improved | 0.91 |
| MOOSE-524828819 | 2231458 | Improved | 0.90 |
| MOOSE-524828834 | 2065730 | Improved | 0.82 |
| MOOSE-524828837 | 1580256 | Improved | 1.11 |
| MOOSE-524828841 | 1579373 | Improved | 0.99 |
| MOOSE-524828846 | 2076829 | Improved | 0.98 |
| MOOSE-524828852 | 2232756 | Improved | 1.14 |
| MOOSE-524828853 | 2232774 | Improved | 0.96 |
| MOOSE-524828855 | 2232785 | Improved | 1.01 |
| MOOSE-524828864 | 2232747 | Improved | 1.09 |
| MOOSE-524828873 | 2232768 | Improved | 1.03 |
| MOOSE-524828879 | 2076832 | Improved | 1.16 |
| MOOSE-524900150 | 1200298 | Improved | 0.75 |
| MOOSE-524900400 | 2197646 | Improved | 0.58 |
| MOOSE-524901550 | 2056946 | Improved | 0.79 |
| MOOSE-524902150 | 1201175 | Improved | 1.18 |
| MOOSE-524902150 | 1568231 | Improved | 0.79 |
| MOOSE-524902200 | 2196079 | Improved | 0.84 |
| MOOSE-524902550 | 2208829 | Improved | 1.10 |
| MOOSE-524902750 | 1200942 | Improved | 0.74 |
| MOOSE-524903700 | 2102348 | Improved | 1.11 |
| MOOSE-524903750 | 2218472 | Improved | 0.87 |
| MOOSE-524904000 | 2209588 | Improved | 0.92 |
| MOOSE-524904400 | 2042725 | Improved | 0.79 |
| MOOSE-524904600 | 1200738 | Improved | 0.98 |
| MOOSE-524904950 | 2001969 | Improved | 1.26 |
| MOOSE-524905200 | 1565333 | Improved | 0.87 |
| MOOSE-524905700 | 1415060 | Improved | 1.15 |
| MOOSE-524905800 | 2071064 | Improved | 0.84 |
| MOOSE-524906100 | 1200885 | Improved | 0.96 |
| MOOSE-524906200 | 1200074 | Improved | 0.82 |
| MOOSE-524906400 | 1200943 | Improved | 1.38 |
| MOOSE-524906400 | 2033744 | Improved | 0.88 |
| MOOSE-524906850 | 2204709 | Improved | 1.04 |
| MOOSE-524907250 | 1200980 | Improved | 0.87 |

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| MOOSE-524907550 | 2191441 | Improved | 0.98 |
| MOOSE-524907600 | 1576010 | Improved | 1.35 |
| MOOSE-524908050 | 1200299 | Improved | 0.86 |
| MOOSE-524908650 | 1415135 | Improved | 0.85 |
| MOOSE-524908700 | 1571970 | Improved | 1.04 |
| MOOSE-524908750 | 1579395 | Improved | 1.15 |
| MOOSE-524909250 | 1201284 | Improved | 0.99 |
| MOOSE-524909350 | 1201228 | Improved | 0.98 |
| MOOSE-524909850 | 2125397 | Improved | 0.94 |
| MOOSE-524909900 | 2008241 | Improved | 0.81 |
| MOOSE-524910450 | 1415183 | Improved | 0.91 |
| MOOSE-524910800 | 2004814 | Improved | 0.94 |
| MOOSE-524910850 | 2233380 | Improved | 1.10 |
| MOOSE-524911300 | 1200075 | Improved | 0.94 |
| MOOSE-524911450 | 2181910 | Improved | 1.45 |
| MOOSE-524911750 | 1565402 | Improved | 1.36 |
| MOOSE-524911800 | 2100139 | Improved | 1.07 |
| MOOSE-524912100 | 1570050 | Improved | 0.65 |
| MOOSE-524912900 | 1200981 | Improved | 1.27 |
| MOOSE-524913300 | 1200097 | Improved | 1.37 |
| MOOSE-524913300 | 2076871 | Improved | 0.91 |
| MOOSE-524913600 | 2211233 | Improved | 0.80 |
| MOOSE-524913750 | 1417891 | Improved | 1.62 |
| MOOSE-524913850 | 2148291 | Improved | 1.05 |
| MOOSE-524914500 | 2210242 | Improved | 0.85 |
| MOOSE-524914700 | 1200908 | Improved | 1.18 |
| MOOSE-524914700 | 1417892 | Improved | 0.90 |
| MOOSE-524914750 | 1200545 | Improved | 0.76 |
| MOOSE-524914850 | 1201038 | Improved | 0.93 |
| MOOSE-524915400 | 1417937 | Improved | 1.03 |
| MOOSE-524915400 | 2200828 | Improved | 0.98 |
| MOOSE-524915750 | 2181548 | Improved | 0.94 |
| MOOSE-524915900 | 2205920 | Improved | 1.06 |
| MOOSE-524916000 | 2183225 | Improved | 1.01 |
| MOOSE-524916050 | 1200803 | Improved | 0.91 |
| MOOSE-524916550 | 2215213 | Improved | 0.88 |
| MOOSE-524916750 | 1200269 | Improved | 1.15 |
| MOOSE-524916850 | 1415361 | Improved | 0.83 |
| MOOSE-524917100 | 1200546 | Improved | 1.00 |
| MOOSE-524918250 | 1565334 | Improved | 0.70 |
| MOOSE-524918300 | 1583700 | Improved | 0.71 |
| MOOSE-524918550 | 1415411 | Improved | 0.98 |
| MOOSE-524919000 | 2083183 | Improved | 0.99 |
| MOOSE-524919400 | 1200235 | Improved | 1.01 |
| MOOSE-524919500 | 1200508 | Improved | 0.94 |
| MOOSE-525000150 | 1415448 | Improved | 0.80 |
| MOOSE-525000300 | 1415458 | Improved | 1.41 |
| MOOSE-525000450 | 1570950 | Improved | 1.86 |
| MOOSE-525000600 | 1200852 | Improved | 0.88 |
| MOOSE-525001450 | 2001970 | Improved | 1.07 |
| MOOSE-525001500 | 2003710 | Improved | 0.80 |
| MOOSE-525002400 | 2110663 | Improved | 0.89 |
| MOOSE-525002400 | 2125399 | Improved | 0.91 |

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| MOOSE-525002800 | 1577473 | Improved | 1.10 |
| MOOSE-525002850 | 1201081 | Improved | 0.92 |
| MOOSE-525002900 | 2230760 | Improved | 1.66 |
| MOOSE-525002950 | 2008242 | Improved | 1.79 |
| MOOSE-525003300 | 2228992 | Improved | 0.91 |
| MOOSE-525003650 | 1417990 | Improved | 0.63 |
| MOOSE-525003950 | 1583701 | Improved | 0.84 |
| MOOSE-525004500 | 2196443 | Improved | 1.64 |
| MOOSE-525004900 | 1200162 | Improved | 0.97 |
| MOOSE-525005700 | 1582737 | Improved | 0.99 |
| MOOSE-525006350 | 1200739 | Improved | 0.82 |
| MOOSE-525006450 | 2230900 | Improved | 1.62 |
| MOOSE-525006850 | 2033746 | Improved | 0.93 |
| MOOSE-525006900 | 1200163 | Improved | 0.87 |
| MOOSE-525006950 | 2232134 | Improved | 0.82 |
| MOOSE-525007200 | 2182164 | Improved | 1.80 |
| MOOSE-525007400 | 2186264 | Improved | 1.28 |
| MOOSE-525007600 | 2003711 | Improved | 0.76 |
| MOOSE-525007600 | 2237874 | Improved | 1.11 |
| MOOSE-525008200 | 2232307 | Improved | 1.44 |
| MOOSE-525008500 | 2202996 | Improved | 0.93 |
| MOOSE-525008850 | 1200099 | Improved | 1.72 |
| MOOSE-525008900 | 1576550 | Improved | 1.05 |
| MOOSE-525009400 | 1576551 | Improved | 0.96 |
| MOOSE-525009650 | 2225660 | Improved | 1.10 |
| MOOSE-525010600 | 2017495 | Improved | 1.54 |
| MOOSE-525010850 | 1201106 | Improved | 1.14 |
| MOOSE-525010950 | 2234955 | Improved | 0.91 |
| MOOSE-525011100 | 2002861 | Improved | 0.90 |
| MOOSE-525011300 | 2205612 | Vacant | 1.08 |
| MOOSE-525011450 | 2017496 | Improved | 1.09 |
| MOOSE-525011750 | 2017497 | Improved | 0.83 |
| MOOSE-525012000 | 2220757 | Improved | 1.04 |
| MOOSE-525012050 | 1417823 | Improved | 1.38 |
| MOOSE-525012100 | 2030004 | Improved | 0.94 |
| MOOSE-525100350 | 1201377 | Improved | 1.26 |
| MOOSE-525100550 | 1569110 | Improved | 0.99 |
| MOOSE-525101250 | 2180258 | Improved | 0.87 |
| MOOSE-525101300 | 1417824 | Improved | 0.92 |
| MOOSE-525102250 | 2189258 | Improved | 0.73 |
| MOOSE-525102350 | 1580273 | Improved | 0.98 |
| MOOSE-525102750 | 1201343 | Improved | 0.95 |
| MOOSE-525102950 | 1583703 | Improved | 0.74 |
| MOOSE-525103550 | 1201201 | Improved | 1.56 |
| MOOSE-525103550 | 2200435 | Improved | 1.15 |
| MOOSE-525105250 | 2211693 | Improved | 0.78 |
| MOOSE-525107800 | 1569111 | Improved | 1.31 |
| MOOSE-525108550 | 2234424 | Improved | 1.56 |
| MOOSE-525113050 | 1417919 | Improved | 0.95 |
| MOOSE-525201100 | 1573202 | Improved | 1.14 |
| MOOSE-534900400 | 2136904 | Improved | 1.07 |
| MOOSE-534901200 | 1568233 | Improved | 0.74 |