# Aerial Ungulate Distance Survey (2015) for Moose and White-tailed Deer in WMU 503 (Lac La Biche) 

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## EXECUTIVE SUMMARY

On February $2^{\text {nd }}-9^{\text {th }}, 2015$, Alberta Environment and Parks (AEP) and the Alberta Environmental Monitoring, Evaluation and Reporting Agency (AEMERA) staff jointly surveyed the moose (Alces alces) and white-tailed deer (Odocoileus virginianus) population in Wildlife Management Unit (WMU) 503 (Lac La Biche) using distance sampling methods. One-hundred and sixty-five out of 254 available survey transects were flown. A total of 40 hours of rotary flight time was used with 1469 km out of a total of 2459 km of available transect flown. Three hundred and seventy six moose were observed in 231 independent groups including 55 bulls, 192 cows, 106 calves and 23 unclassified individuals representing a bull:cow:calf ratio of 29:100:55. The estimated moose density is 0.30 moose $/ \mathrm{km}^{2}$ (CV $0.098,90 \% \mathrm{Cl} 0.25-0.35$ ) with an estimated total population size of 946 moose (CV $0.098,90 \%$ CI 805-1111). WMU 503 is primarily comprised of boreal mixed wood, agricultural fringe, and Lakeland habitat types. Moose density in WMU 503 is lower than surrounding WMU's to the south and west and higher than those WMU's to the north and east. A total of 1,669 white-tailed deer were observed in 355 independent groups The estimated white-tailed deer density for WMU 503 was 1.62 whitetailed deer $/ \mathrm{km}^{2}$ (CV 0.11, $90 \% \mathrm{Cl} 1.3-2.0$ ) with an estimated total population size of 5220 whitetailed deer (CV 0.11, $90 \% \mathrm{Cl} 4337-6283$ ). White-tailed deer densities in adjacent WMU's range from 1 to 1.9 white-tailed deer $/ \mathrm{km}^{2}$. The moose population trends are increasing while the white-tailed deer population is stable. These results contributed valuable data that supported the decision to increase the population goals for both moose and white-tailed deer in WMU 503 in 2015. It is recommended that this data set be further analyzed using a density surface modelling distance sampling design.

Key words: Alberta, aerial survey, moose, distance, deer, WMU 503, density estimates, age/sex ratios

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## DISTRIBUTION

Copies of this report have been sent to the Resource Management staff of the Lower Athabasca region, to the Joint Oilsands Monitoring Program, and to the Provincial Big Game Specialist in Edmonton headquarters.

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## INTRODUCTION

White-tailed deer (Odocioleus virginianus) and moose (Alces alces) occur in significant abundance in the farmland fringe and boreal mixedwood habitat types found in the Lac La Biche region and are an important source of food to the resident, non-resident, and aboriginal hunting communities. They are also an important prey species in boreal ecosystems for wolf (Canis lupus), black bear (Ursus americanus), coyote (Canis latrans), and other medium to largesized predators. Wildlife surveys are conducted on a 5 -year rotation within wildlife management units (WMUs) in northeast Alberta. These surveys are specifically designed to gather population data on the density, distribution, and classification of white-tailed deer and moose, which are the primary big-game species of interest in the area. General information on ungulate habitat use, the distribution and abundance of predator populations, and the occurrence of species-at-risk such as woodland caribou (Rangifer tarandus) or less-encountered ungulate species such as elk (Cervus canadensis) or mule deer (Odocoileus hemionus), are also gathered during the surveys. These data are used for wildlife management purposes which include the calculation of allowable hunter harvest and license allocation, monitoring population trends, and tracking habitat change across the landscape. Conducting wildlife surveys provide biologists with a reliable means of obtaining data and delivering information to stakeholders including hunters, trappers, outfitters, and landowners.

The purpose of this report is to present the results of the 2015 ungulate survey of WMU 503. Specifically, this survey was designed to obtain population statistics on local white-tailed deer and moose populations. The current status of white-tailed deer and other wildlife species in this area will be discussed, and compared to previous surveys in WMU 503, and to the results from adjacent management units. The last white-tailed deer survey flown in WMU 503 occurred in 2008 and reported a density of 1.86 white-tailed deer $/ \mathrm{km}^{2}$ (CV: 21.8\%). Whitetailed deer densities in adjacent WMU's range from 1 to 1.9 white-tailed deer $/ \mathrm{km}^{2}$. The February 2015 survey was the first comprehensive moose survey conducted in WMU 503 since 1995. Adjacent WMU's support moose densities ranging from 0.14 to $0.5 \mathrm{moose} / \mathrm{km}^{2}$.

## METHODS

- Study area

The community of Lac La Biche is located in the centre of the $3220 \mathrm{~km}^{2}$ unit which occupies a transitional area between the "white" and "green" zone (Figure 1). Consequently the WMU contains a wide variety of habitat types. The area south of Lac La Biche is typically comprised of agricultural land cover types (white zone) while the areas to the north consists of boreal forest (green zone) where oil and gas development along with forest harvesting and recreational activities occur. There are several large lakes located in the WMU including Lac La Biche and

Beaver Lake. The Wandering River Caribou range also extends into the northwestern corner of the unit. This WMU is primarily managed for white-tailed deer and moose, but mule deer, black bear, cougar and wolf are also hunted.

- Survey Methods.

This survey was conducted using distance sampling methods (Buckland et al. 2001). Transects were generated using a Government of Alberta created transect generator tool in ArcMap 10.1. Transects were generated to cover the entire WMU, ran east-west, were no longer than 10 km and no shorter than 2 km and spaced 1.2 km apart from one another.


Figure 1. Location of Wildlife Management Unit 503 and surrounding Wildlife Management Units.

Transects were flown using Bell 206 Jetranger helicopters with survey crews of three, plus the pilot. The survey crew consisted of Grant Chapman Lead and Navigator, Justin Gilligan, Colead/Navigator, Delaney Anderson, and Hanna Neufeld. The east-west transects were flown at approximately 300 ft above ground level (AGL) and at a speed of 80 knots. Prior to beginning the survey, weather conditions were recorded including temperature, wind, cloud cover and
precipitation along with the survey crew and their position in the aircraft. During the survey, the front left observer restricted observations to 50 m on either side of the transect centre-line while the back left and right observers were responsible for all areas outside the 0-50 m distance on their respective sides of the aircraft. In this survey the pilots were also observing and reporting sightings which were also used in determining the detection function.

When an animal was detected a waypoint was taken and the transect was continued to be flown until the aircraft was perpendicular to the animal or cluster of animals. Once perpendicular to the animal the aircraft left the transect line and collected another waypoint at the location where the animal was first observed. The animal was then classified by sex, age and antler class, if antlers were still present. All animals within 100 m of the original observation were considered to be a part of the same group. Covariate data recorded for each observation included crown closure ( $0-30 \%$, 31-70\%, 71-100\%), activity (standing, bedded, moving), direction flown, and estimates of snow cover, light intensity and terrain.

## - Analysis methods

Data for this survey were analyzed using Distance 6.0 Release 2 (Thomas et al. 2010). Preliminary analyses included an examination of histograms displaying observations by distance and data were truncated or binned to improve model fit (Buckland et al. 2001). Candidate models were then fit to the data and overall model fit was determined using various goodness-of-fit tests and Akaike's Information Criterion (AIC) (Buckland et al. 2001). Models were also fit using the recorded covariates.

## RESULTS

One-hundred and sixty-five out of 254 planned transects were surveyed from February $2^{\text {nd }}-9^{\text {th }}$, 2015 (Figure 2). A total of 1469 km of transect distance was surveyed out of a total of 2459 km of available transect, using 39.7 billable flying hours for a total cost of $\$ 51,694.24$.

## - Moose

During the survey, 376 moose were observed in 231 independent groups (Figure 3). The 376 moose observed included 55 bulls, 192 cows, 106 calves and 23 unclassified individuals representing a bull:cow:calf ratio of 29:100:55. Of the 55 bulls, 37 had no antlers, 9 were small antlered, 8 were medium, and 1 was large which indicates that $67 \%$ of the bulls had shed their antlers by this time. The estimated moose density was 0.30 moose $/ \mathrm{km}^{2}$ (CV $0.098,90 \% \mathrm{Cl} 0.25-$ 0.35 ) with an estimated total population size of 946 moose in the unit (CV $0.098,90 \% \mathrm{Cl} 805-$ 1111).


Figure 2. One-hundred and sixty-five transects out of Two-hundred and fifty-four transects flown in WMU 503 from February 2-9 ${ }^{\text {th }}, 2015$.


Figure 3. Moose observations in WMU 503 from the February 2015 aerial survey.

A total of 15 models were fit to the moose data in program Distance including models with covariates. Model fit was assessed using q-q plots, histograms showing the probability of detecting moose as distance increases and by AIC values. Six candidate models were selected using the above criteria and are displayed in (Table 1). The density estimates were similar for all of the models however the hazard-rate + cosine model with a 1000 m right truncation was selected as it fit the data best according to the q-q plot, histogram and the other goodness-offit tests.

The variability in the density estimate for the selected model was $22.9 \%$ detection probability, $68.5 \%$ encounter rate and $8.6 \%$ cluster size. Therefore the majority of variability in the density estimate was due to variability in moose encounter rates during the survey. The encounter rate across all transects was 0.16 moose per $\mathrm{km}^{2}$ of transect (CV $0.08,90 \% \mathrm{Cl} 0.14-0.18$ ).

Table 1. Parameter estimates for the six candidate models. Upper and lower confidence limits are based on a $90 \%$ confidence interval. Density units are moose $/ \mathrm{km}^{2}$. Model names are constructed with the detection function model keys (HN = half-normal, Haz= Hazard-rate) and adjustment terms (Cos = cosine). The selected model is bold and shaded.

| Model | $\mathbf{N}$ | $\mathbf{D}$ | CV | DLCL | DUCL | NLCL | NUCL |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Haz(Cos)1000m <br> Truncation | $\mathbf{9 4 6}$ | $\mathbf{0 . 3 0}$ | $\mathbf{0 . 0 9 8}$ | $\mathbf{0 . 2 5}$ | $\mathbf{0 . 3 5}$ | $\mathbf{8 0 5}$ | $\mathbf{1 1 1 1}$ |
| HN(Cos) with <br> direction flown <br> as a covariate | 1067 | 0.33 | 0.10 | 0.28 | 0.39 | 901 | 1263 |
| Haz(Cos)900m <br> Truncation | 948 | 0.30 | 0.098 | 0.25 | 0.35 | 806 | 1116 |
| Haz(Cos) | 953 | 0.30 | 0.10 | 0.25 | 0.35 | 806 | 1125 |
| HN(Cos) | 1053 | 0.33 | 0.096 | 0.28 | 0.38 | 898 | 1235 |
| HN(Cos) with <br> canopy closure <br> as covariate | 1035 | 0.32 | 0.10 | 0.27 | 0.38 | 873 | 1227 |

- White-tailed deer

During the survey, 1,669 white-tailed deer were observed in 355 independent groups (Table 2, Figure 4). Due to the timing of the survey many white-tailed deer had experienced antler drop and as a result accurate sex ratios were not obtained. The observed population structure is reported in Table 2. Although this survey was not able to report an accurate age and sex ratio, an age and sex survey was conducted in December 2013 in WMU 503 (Gilligan, Chapman and Castle 2014) and reported a buck:doe:fawn ratio of 31:100:53. The estimated white-tailed deer density for WMU 503 was 1.62 white-tailed deer $/ \mathrm{km}^{2}$ (CV $0.11,90 \% \mathrm{Cl} 1.3-2.0$ ) with an estimated total population size of 5220 white-tailed deer (CV 0.11, 90\% CI 4337-6283). Adjacent WMU white-tailed deer densities range from 1 to 1.9 white-tailed deer $/ \mathrm{km}^{2}$ (Table 8).

Table 2. White-tailed deer age and sex classification from 2015 WMU 503 Survey

| Bucks | Does | Fawns | Unclassified <br> Adults | Unclassified <br> Deer |
| :---: | :---: | :--- | :---: | :---: |
| 68 | 80 | 275 | 452 | 794 |



Figure 4. White-tailed deer observations in WMU 503 from the February 2015 aerial survey.

A total of 19 models were fit to the white-tailed deer data in program Distance including models with covariates. Model fit was assessed using q-q plots, histograms showing the probability of detecting deer as distance increases and by AIC values. Five candidate models were selected using the above criteria and are displayed in (Table 3). The density estimates were similar for all of the models however the hazard-rate + cosine model with no truncation was selected as it fit the data best according to the q-q plot, histogram and the other goodness of fit tests.

The variability in the density estimate for the selected model was $16.9 \%$ detection probability, $65.8 \%$ encounter rate and $17.3 \%$ cluster size. Therefore the majority of variability in the density estimate was due to variability in deer encounter rates during the survey. The encounter rate across all transects was 0.24 (CV 0.09, $90 \% \mathrm{Cl} 0.21-0.28$ ).

Table 3 Parameter estimates for the five candidate models. Upper and lower confidence limits are based on a $90 \%$ confidence interval. Density units are deer $/ \mathrm{km}^{2}$. Model names are constructed with the detection function model keys (HN = half-normal, Haz= Hazard-rate) and adjustment terms (Cos = cosine). The selected model is bold and shaded.

| Model | $\mathbf{N}$ | $\mathbf{D}$ | CV | DLCL | DUCL | NLCL | NUCL |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Haz (Cos) | $\mathbf{5 2 2 0}$ | $\mathbf{1 . 6 2}$ | $\mathbf{0 . 1 1}$ | $\mathbf{1 . 3 4}$ | $\mathbf{2 . 0 0}$ | $\mathbf{4 3 3 7}$ | $\mathbf{6 2 8 3}$ |
| HN(Cos) 650 m <br> Truncation | 5539 | 1.70 | 0.11 | 1.44 | 2.10 | 4631 | 6626 |
| Haz(Cos)700m <br> Truncation | 5238 | 1.60 | 0.11 | 1.35 | 2.00 | 4356 | 6299 |
| HN(Cos) 700 m <br> Truncation | 5478 | 1.70 | 0.11 | 1.42 | 2.03 | 4585 | 6545 |
| HN(Cos)850m <br> Truncation | 5383 | 1.67 | 0.12 | 1.37 | 2.04 | 4417 | 6559 |

## - Elk and Mule Deer

Survey-based elk and mule deer estimates have never been derived for this unit and given small sample sizes could not be determined in this survey. A total of 21 mule deer were seen in 4 groups and no elk were observed during the survey however a ground visual count of a known elk herd was obtained from a local rancher (Garnett Ailsby) who had trail camera and visual observations of a herd of 12 elk. The elk herd was last observed during the same week this survey was flown and primarily resides SW of Plomondon, AB on the south side of highway 55 and ranges south as far as highway 663. This elk herd has been resident to that area for the last 4 years with accounts of up to 14 animals in a single sighting and for which no complaints of agricultural damage have been reported.

Supplemental snowfall and temperature data from 2008 to current is provided below for the Edmonton and Fort McMurray Environment Canada weather stations (Figures 5 and 6). The winter of 2014-15 was milder and had less snowfall than previous recent years.


Figure 5. Snowfall data for Northeastern Alberta 2008-Present (Environment Canada 2015)


Figure 6. Temperature data for Northeastern Alberta 2008-Present (Environment Canada 2015)

## DISCUSSION

This survey provides an accurate estimate of both white-tailed deer and moose and was intensively flown in order to reduce the coefficient of variation (CV) and increase confidence in the population estimates. A Forward Looking Infrared (FLIR) Survey was also flown Feb $25^{\text {th }}$ March $8^{\text {th }} 2015$ in the WMU to facilitate comparison and improve our understanding of the detection function, specifically the assumption of seeing $100 \%$ of the animals from $0-50 \mathrm{~m}$. Unfortunately, the final results of the infrared survey are unavailable however preliminary results show the FLIR technology to be inadequate for accurately surveying moose and deer populations in Northeastern Alberta.

The current moose trend in WMU 503 ( 0.3 moose $/ \mathrm{km}^{2}$ ) is increasing and is currently in the midrange of observed densities of moose compared to adjacent WMU's which range 0.050.5 moose $/ \mathrm{km}^{2}$ (Table 4 and 5). The moose population goal up until 2014 was 400 animals and was amended in the spring of 2015 due to an improved understanding of moose density and demand for moose hunting opportunity, with no complaints of moose damage by stakeholders. The new population goal was increased to 1100 animals or a density of $0.35 \mathrm{moose} / \mathrm{km}^{2}$. In 2015, the wildlife regulation was amended to require moose archery hunters to possess a special license and was made as a result of archers in this WMU harvesting $30 \%$ of all moose harvested by any weapon regardless of season. Antlered moose hunting success rates for WMU

503 averaged $31 \%$ from 2010-2014 and is consistent with adjacent WMU's which range 10\%$52 \%$ success (Table 6).

Table 4. Historical moose population data from WMU 503

| Survey Date | Moose Density (moose/km ${ }^{2}$ ) | Population Estimate | CV (\%) | Sex Ratio (Bulls:Cows:Calves) |
| :---: | :---: | :---: | :---: | :---: |
| 1995 | 0.16 | 389 | - | 44:100:70 |
| 2003 | - | - | - | 59:100:68 |
| 2015 | 0.3 | 946 | 9.8 | 29:100:55 |

Table 5. Moose density in WMU 503 and surrounding WMU's
$\begin{array}{|c|c|c|c|c|c|c|}\hline \text { WMU } & \begin{array}{c}\text { Date Last } \\
\text { Surveyed }\end{array} & \begin{array}{c}\text { Moose } \\
\text { Density } \\
\text { (moose/km }\end{array} \text { ) }\end{array}$ Population \(\left.$$
\begin{array}{c}\text { 2014 } \\
\text { Estimate }\end{array}
$$ \begin{array}{c}CV <br>
Population <br>

Goal\end{array}\right]\)| Sex Ratio |
| :---: |
| (Bulls:Cows:Calves) |$|$

Table 6. Bull moose special license, harvest goals, and hunter success in adjacent WMU's 20102014.

|  |  |  |  |  |  |  |  |  |  |  |  | Bull Hunter Harvest Success |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| WMU | PreSeason Population Goal | 2014 PreHunting Season Population Estimate | 2015 Pre- <br> Hunting Season Population Estimate | Bulls | Cows | Season | Archery Only | General | Harvest Goal \% | 2010-14 <br> Average Hunter Success (\%) | Bull Special Licenses issued in 2015 | $2010$ | $2011$ | $2012$ | 2013 |
| 503 | 1100 | 726 | 1087 | 248 | 561 |  | draw | draw | 20 | 31\% | 158 | 30\% | 25\% | 36\% | 32\% |
| 504 | 800 | 1186 | 1419 | 447 | 626 |  | draw | draw | 15 | 37\% | 126 | 37\% | 37\% | 42\% | 31\% |
| 506 | 2000 | 713 | 1407 | 280 | 714 |  | draw | draw | 10 | 45\% | 43 | 60\% | 36\% | 44\% | 54\% |
| 509 | 1000 | 1002 | 1000 | 167 | 531 |  | draw | draw | 15 | 30\% | 78 | 26\% | 33\% | 28\% | 28\% |
| 510 | 2500-3500 | 2200 | 3549 | 744 | 1907 |  | draw | draw | 20 | 52\% | 275 | 65\% | 52\% | 51\% | 52\% |
| 512 | 2000 | 2689 | 2765 | 670 | 1465 | Early | inlimited | draw | 20 | 42\% | 234 | 40\% | 56\% | 35\% | 36\% |
| 512 | 2000 | 2689 | 2765 | 670 | 1465 | Late | inlimited | draw | 20 | 24\% | 136 | 16\% | 20\% | 37\% | 16\% |
| 515 | 1000 | 392 | 410 | 201 | 461 | Early | inlimited | draw | 20 | 30\% | 49 | 36\% | 38\% | 22\% | 31\% |
| 515 | 1000 | 392 | 410 | 201 | 461 | Late | inlimited | draw | 20 | 19\% | 130 | 9\% | 14\% | 31\% | 11\% |
| 516 | 1000 | 968 | 1028 | 209 | 502 | Early | inlimited | draw | 25 | 25\% | 112 | 20\% | 31\% | 16\% | 28\% |
| 516 | 1000 | 968 | 1028 | 209 | 502 | Late | inlimited | draw | 25 | 10\% | 100 | 2\% | 10\% | 17\% | 5\% |
| 517 | 800 | 258 | 248 | 86 | 112 | Early | inlimited | draw | 3 | 0\% | 5 | 0\% |  |  | 0\% |
| 517 | 800 | 258 | 248 | 86 | 112 | Late | unlimited | draw | 3 | 10\% | 5 | 25\% |  | 20\% | 0\% |

The white-tailed deer population estimate for WMU 503 is 5220 , and is consistent with the three previous surveys which reported population estimates of 5144, 5308, and 3424 in 2008, 2003, and 1995 respectively (Table 7) and indicates that the long term population is stable. It is known that the population in this WMU is likely less than $50 \%$ of what it was during the population peak of 2006-07, which unfortunately was not a survey year. The population declined in 2006-2007 due to a severe winter. White-tailed deer benefit from the conversion of forested land to earlier successional habitat types (agriculture, cut lines, etc.) along with less severe winters, which has facilitated the expansion of white-tailed deer range by increasing access to forage and increasing overwinter survival (Dawe, et al. 2014). It was also noted during the survey that higher densities of deer were observed around agriculturally modified habitat types.

The previous population goal of 3424 was low relative to the long term habitat carrying capacity and was established by using the population estimate from 1995 survey as the goal and is much lower than the current stakeholder supported population. During the last 4 years resident hunters and outfitters have expressed concerns with the lower numbers of deer, reduced antler size and age structure, and there have been almost no deer related wildlife complaints by landowners. In 2014, the wildlife regulation was amended for the supplemental antlerless white-tailed deer licenses so that they were no longer valid in many WMU's including WMU 503. The amendment will remain in effect for the 2015 hunting season. It is planned that in 2016 at least 1 supplemental license will be made valid assuming a severe winter doesn't occur in 2015-16. To reflect the above trends and stakeholder input, in spring 2015, the WMU goal was amended to a winter population 1.15 times the current winter population of 5220, and results in an amended wintering goal of 6003 deer. This is in alignment with the long term average of $1.3 \mathrm{deer} / \mathrm{km}^{2}$ in the adjacent WMU's over the last 22 deer surveys conducted in the region since 1994 (Table 8).

Table 7. Historical white-tailed deer population data for WMU 503

| Survey Date | White-tailed <br> deer <br> density/km² | Population <br> Estimate | CV or 95\%CI ) | Sex Ratio <br> (Bucks:Does:Fawns) |
| :--- | :--- | :--- | :--- | :--- |
| 1995 | 1.4 | 3424 |  | - |
| 2003 | 1.64 | 5144 | 23.8 Cl (Gasoway <br> survey) | - |
| 2008 | 1.86 | 5370 | 21.8 CI (Gasoway <br> survey) | $7: 100: 39$ |
| 2015 | 1.62 | 5220 | 11 CV <br> DS=11*1.65=18.2CI | 31:100:53 (2013) |

Table 8. Historical white tailed deer population parameters for WMU's in Alberta's Northeast region.

| YEAR | WMU | SPECIES | DATE | SURVEY TYPE | Population Estimate | Density (Deer/km²) | Confidece Interval +/- <br> (\%) | Buck | Doe | Juvenile. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1994 | 504 | WTDE | 2/1/1995 | CLASSIFIED | 1205 | N/A | N/A | N/A | N/A | N/A |
| 1995 | 502 | WTDE | 12/15/1995 | CLASSIFIED | 5039 | 1.63 |  | 33 | 100 | 76 |
| 1995 | 503 | WTDE | 2/22/1996 | CLASSIFIED | 3424 | 1.4 | N/A | N/A | N/A | N/A |
| 1997 | 651 | WTDE |  | Line ( $50 \% \mathrm{cvrg}$ ) | 50 | N/A | N/A | N/A | N/A | N/A |
| 1997 | 841 | WTDE |  | Line ( $50 \% \mathrm{cvrg}$ ) | 250 | N/A | N/A | N/A | N/A | N/A |
| 1998 | 515 | WTDE | 1/21/1999 | Rand block | 1093 | 0.41 | N/A | N/A | N/A | N/A |
| 1999 | 502 | WTDE | 19-Jan-00 | Random Block | 5560 | 1.63 | 18\% | 34 | 100 | 55 |
| 2000 | 504 | WTDE | Dec-00 | Random Block | 2600 | - | 16\% | 20 | 100 | 51 |
| 2003 | 503 | WTDE | Feb.-03 | Random Block | 5144 | 1.64 | 24\% | - | - | - |
| 2008 | 502 | WTDE | Jan.-08 | Random Block | 6134 | 1.79 | 32\% | 17 | 100 | 75 |
| 2008 | 503 | WTDE | Jan.-08 | Random Block | 5370 | 1.86 | 22\% | 7 | 100 | 39 |
| 2012 | 517 | WTDE | Jan.-13 | Random Block | 693 | 0.15 | 53\% |  | 100 | 38 |
| 2013 | 515 | WTDE | 14-Jan | Distance | 2750 | 0.99 | 22\% | N/A | N/A | N/A |
| 2013 | 651 | WTDE | 14-Jan | Distance | 113 | 0.64 | 53\% | N/A | N/A | N/A |
| 2013 | 841 | WTDE | 14-Jan | Distance | 334 | 0.52 | 45\% | N/A | N/A | N/A |
| 2013 | 503 | WTDE | Dec.-13 | Age Sex Survey Only | N/A | N/A | N/A | 31 | 100 | 53 |
| 2013 | 506 | WTDE | Feb.-13 | Random Block | 1459 | 0.67 | 37\% | 7 | 100 | 108 |
| 2014 | 506 | WTDE | Dec.-13 | Age Sex Survey Only | N/A | N/A | N/A | 11 | 100 | 54 |
| 2014 | 510 | WTDE | Dec.-13 | Age Sex Survey Only | N/A | N/A | N/A | 30 | 100 | 59 |
| 2014 | 503 | WTDE | Feb.-15 | Distance | 5220 | 1.62 | 18\% | N/A | N/A | N/A |
| 2014 | 504 | WTDE | Jan.-15 | Distance | 2178 | 0.81 | 33\% | 17 | 100 | 65 |
| 2014 | 510 | WTDE | Feb.-15 | Distance | 5860 | 1.33 | 32\% | N/A | N/A | N/A |

Illustrated below (Figures 7 and 8) are maps of the white-tailed deer and moose observations for the 2014 WMU 515 Distance Survey. These figures illustrate a continuous distribution of moose and deer throughout the region with densities of both species highest in agriculturally modified lands, upland deciduous habitat types, and in areas where forest harvesting has occurred.


Figure 7. Map of study area, strata (WMUs), transects surveyed and moose detections.


Figure 8. Map of transects surveyed and white-tailed deer detections in WMU's 515,651 and 841.

## RECOMMENDATIONS

This data set is comparatively rare as it contains 355 white-tailed deer groups and distances. Resources did not permit further analysis and it is recommended that this dataset be analysed using a distance density surface model to better understand white-tailed deer spatial distribution and density across the diversity of habitat types within this WMU. Continued monitoring of both moose and white-tailed deer populations should be assessed relative to the 2015 adjusted population goals.

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## APPENDICES

## Basic survey data

| WMU | WMU 503 Lac La Biche |
| :--- | :--- |
| Dates of survey | February 2 ${ }^{\text {nd }}$ to $9^{\text {th }}$, 2015 |
| Observers | Grant Chapman, Justin Gilligan, Hanna Neufeld, Delaney Anderson $^{\text {Aircraft }}$ |
| Bell 206 JetRanger |  |
| Pilot | Colin Reed (Star Helicopters), Jida Didc(Delta Helicopters) |
| Cost and time breakdown | \$51,964.24 over 39.7 hrs of flight time |
| Design | Distance sampling design with 254 east-west transects. |

## Moose Distance Data

| $\begin{aligned} & \text { Stratu } \\ & \mathrm{m} \end{aligned}$ | $\begin{aligned} & \text { Area } \\ & \mathrm{Km} 2 \\ & \hline \end{aligned}$ | Transec <br> t ID | Transec Length | DistancePer $\mathrm{p}$ | $\begin{aligned} & \text { Grou } \\ & \text { p Size } \\ & \hline \end{aligned}$ | Observe <br> r | Directio <br> n Flown | Cove $r$ | Activit $\mathrm{y}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 2 | 6.18235 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 3 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 4 | 10 | 272.578 | 2 | BL | WEST | H | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 4 | 10 | 72.351 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 3220.51 \\ 5 \\ \hline \end{array}$ | 5 | 4.4305 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 6 | 8.32362 | 121.579 | 1 | BR | EAST | M | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 6 | 8.32362 | 222.068 | 1 | BL | EAST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 3220.51 \\ 5 \\ \hline \end{array}$ | 6 | 8.32362 | 170.62 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 7 | 6.72684 | 79.134 | 2 | FL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 7 | 6.72684 | 96.848 | 1 | FL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 7 | 6.72684 | 321.579 | 2 | BL | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 10 | 4.44577 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 11 | 8.98407 | 129.132 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 11 | 8.98407 | 389.506 | 1 | FL | WEST | L | B |
| WMU | 3220.51 | 14 | 10 |  |  |  |  |  |  |


| 503 | 5 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 18 | 8.95416 | 179.79 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 21 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 22 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 23 | 10 | 122.884 | 2 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 23 | 10 | 343.885 | 2 | BR | EAST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 25 | 8.92424 | 231.004 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 3220.51 \\ 5 \\ \hline \end{array}$ | 27 | 10 | 146 | 2 | BL | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 27 | 10 | 166.038 | 1 | FL | WEST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 27 | 10 | 47.904 | 2 | FL | WEST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 3220.51 \\ 5 \\ \hline \end{array}$ | 28 | 10 | 127.192 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 28 | 10 | 144.99 | 1 |  | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 29 | 10 | 103.766 | 2 | FL | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 30 | 10 | 201.311 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 31 | 10 | 560.641 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 31 | 10 | 295.649 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 31 | 10 | 333.044 | 1 | BL | WEST | H | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 34 | 10 | 3.494 | 2 | BR | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 35 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 36 | 10 | 50.591 | 2 | FR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 37 | 10 | 262.29 | 2 | BR | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 37 | 10 | 254.709 | 3 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 39 | 10 | 421.4 | 2 | BL | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 41 | 8.86381 | 157.193 | 2 | BR | WEST | M | B |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 41 | 8.86381 | 260.205 | 1 | BL | WEST | M | B |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 41 | 8.86381 | 251.959 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 42 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 43 | 10 | 103.041 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 43 | 10 | 184.73 | 1 | BL | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 43 | 10 | 171.041 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 44 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 45 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 46 | 10 | 449.366 | 3 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ \hline \end{array}$ | 46 | 10 | 314.577 | 1 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 46 | 10 | 276.065 | 2 | BL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 46 | 10 | 17.308 | 1 | BL | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 47 | 10 | 17.443 | 1 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 47 | 10 | 82.513 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 48 | 8.83319 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 51 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 53 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 54 | 10 | 354.219 | 1 | BR | WEST | H | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 54 | 10 | 17.327 | 1 | FL | WEST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 55 | 8.80205 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 56 | 10 | 162.609 | 1 | BL | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 57 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 58 | 10 | 50.534 | 2 | BR | EAST | M | S |
| WMU | 3220.51 | 60 | 10 | 379.377 | 1 | BL | EAST | L | B |


| 503 | 5 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 61 | 9.56932 | 141.252 | 3 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 62 | 8.77246 | 85.275 | 1 |  | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 62 | 8.77246 | 342.309 | 2 | BL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 63 | 10 | 128.467 | 3 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 63 | 10 | 540.833 | 1 | BL | WEST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 64 | 10 | 105.154 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 64 | 10 | 406.531 | 3 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 64 | 10 | 399.476 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 65 | 10 | 345.213 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 66 | 10 | 277.966 | 1 | BL | EAST | H | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 66 | 10 | 396.698 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 66 | 10 | 282.85 | 1 | BR | EAST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 67 | 10 | 88.199 | 1 | FL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 67 | 10 | 105.122 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 69 | 8.74167 | 216.399 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 73 | 10 | 181.951 | 1 | BL | EAST | H | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 74 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 76 | 8.71169 | 105.35 | 1 | FR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 76 | 8.71169 | 284.03 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 78 | 10 | 196.87 | 1 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 79 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 82 | 10 | 261.205 | 1 | BR | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 82 | 10 | 71.288 | 1 | FL | WEST | M | M |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 82 | 10 | 158.781 | 2 | FL | WEST | M | B |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 82 | 10 | 176.496 | 2 | BL | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 83 | 8.68229 | 187.031 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 83 | 8.68229 | 254.579 | 3 | BR | EAST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 83 | 8.68229 | 393.144 | 2 | BR | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 83 | 8.68229 | 92.123 | 2 | FL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 83 | 8.68229 | 157.793 | 2 | FL | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 84 | 10 | 144.517 | 3 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 85 | 10 | 326.952 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 85 | 10 | 237.239 | 1 | BR | WEST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 88 | 10 |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 89 | 10 | 365.175 | 4 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 90 | 8.65256 | 168.699 | 1 | BL | WEST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 91 | 10 | 276.412 | 2 | BR | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 92 | 10 | 276.879 | 2 | BR | EAST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 93 | 10 | 248.122 | 3 | BL | EAST | H | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 93 | 10 | 141.945 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 94 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 98 | 10 | 301.309 | 1 | BR | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 99 | 10 | 452.634 | 2 | BL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 99 | 10 | 175.715 | 3 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 99 | 10 | 345.108 | 1 | BL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 100 | 10 | 820.97 | 1 | BR | EAST | L | B |
| WMU | 3220.51 | 105 | 10 | 5.243 | 1 | BR | WEST | M | B |


| 503 | 5 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 106 | 10 | 301.123 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 106 | 10 | 46.545 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 107 | 10 | 700.752 | 2 | BL | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 107 | 10 | 463.19 | 1 | BL | WEST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 107 | 10 | 4.711 | 1 | FL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 108 | 10 | 313.178 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 108 | 10 | 310.632 | 1 | BL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 108 | 10 | 120.217 | 1 | FL | WEST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 109 | 10 | 86.242 | 2 | FL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 111 | 8.56256 | 542.837 | 1 | BR | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 111 | 8.56256 | 428.53 | 4 | BL | EAST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 111 | 8.56256 | 224.751 | 1 | BL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 111 | 8.56256 | 345.786 | 2 | BL | EAST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 111 | 8.56256 | 120.699 | 1 | BL | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 112 | 10 | 259.984 | 1 | BR | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 112 | 10 | 259.984 | 1 | BR | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 112 | 10 | 1051.248 | 2 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 112 | 10 | 25.352 | 2 | BL | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 112 | 10 | 68.107 | 1 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 112 | 10 | 1051.248 | 2 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 112 | 10 | 25.352 | 2 | BL | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 112 | 10 | 68.107 | 1 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 113 | 10 |  |  |  |  |  |  |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 116 | 10 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 118 | 8.43168 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 120 | 10 | 38.106 | 3 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 120 | 10 | 494.683 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ \hline 5 \\ \hline \end{array}$ | 121 | 10 | 43.13 | 1 | FL | WEST | H | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 122 | 7.88321 | 379.645 | 2 |  | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 122 | 7.88321 | 396.147 | 2 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 123 | 9.75472 | 164.053 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 123 | 9.75472 | 44.973 | 1 | FL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 123 | 9.75472 | 216.363 | 2 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 124 | 3.35826 | 244.894 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 125 | 8.35687 | 90.899 | 2 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 125 | 8.35687 | 94.807 | 4 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 128 | 10 | 336.589 | 2 | BL | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 128 | 10 | 506.301 | 1 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 128 | 10 | 216.109 | 2 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 129 | 7.61116 | 385.366 | 1 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 129 | 7.61116 | 158.942 | 2 | BL | WEST | H | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 129 | 7.61116 | 225.335 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 130 | 7.03081 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ \hline 5 \\ \hline \end{array}$ | 131 | 7.64178 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 132 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 133 | 10 | 203.581 | 2 | BL | EAST | M | B |
| WMU | 3220.51 | 133 | 10 | 191.621 | 3 | BL | EAST | M | S |


| 503 | 5 |  |  |  |  |  |  |  |  |
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| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 133 | 10 | 275.014 | 2 | FL | EAST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 133 | 10 | 629.197 | 1 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 133 | 10 | 208.286 | 2 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 134 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 135 | 7.29844 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 136 | 4.28308 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 137 | 7.40816 | 90.194 | 2 | BR | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 137 | 7.40816 | 22.52 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 138 | 10 | 177.608 | 1 | BR | EAST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 139 | 10 | 515.311 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 139 | 10 | 202.165 | 1 | FL | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 139 | 10 | 237.511 | 2 | BL | EAST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 140 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 141 | 6.14243 | 260.714 | 2 | BL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 141 | 6.14243 | 43.718 | 2 | BL | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 141 | 6.14243 | 270.487 | 2 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 143 | 10 | 257.868 | 2 | BL | WEST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 145 | 10 | 299.077 | 3 |  | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 145 | 10 | 381.036 | 1 | BR | EAST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 146 | 6.4082 | 20.463 | 1 | FL | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 154 | 7.75763 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 155 | 4.27727 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 157 | 10 |  |  |  |  |  |  |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 163 | 6.26 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 164 | 3.03893 | 384.865 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 165 | 10 | 171.668 | 2 | BL | EAST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 165 | 10 | 146.485 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 165 | 10 | 486.054 | 1 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 166 | 2.84165 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 167 | 7.42601 | 239.109 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 172 | 2.98839 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 174 | 8.08093 | 251.275 | 1 | BL | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 174 | 8.08093 | 78.926 | 1 | BL | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 174 | 8.08093 | 134.735 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ \hline 5 \end{array}$ | 174 | 8.08093 | 127.242 | 2 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 176 | 10 | 311.911 | 1 | BR | WEST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 177 | 9.59343 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 178 | 3.34037 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 180 | 9.49685 | 439.342 | 2 | BR | WEST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 181 | 10 | 269.5 | 1 | BL | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 181 | 10 | 213.795 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 181 | 10 | 333.804 | 2 | BR | WEST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 181 | 10 | 188.811 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 181 | 10 | 124.792 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 182 | 10 | 26.708 | 1 |  | WEST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 185 | 5.7312 |  |  |  |  |  |  |
| WMU | 3220.51 | 186 | 10 | 260.896 | 4 | BR | EAST | M | S |


| 503 | 5 |  |  |  |  |  |  |  |  |
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| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 186 | 10 | 509.654 | 2 | BR | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 186 | 10 | 88.005 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 186 | 10 | 66.779 | 1 | FL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 186 | 10 | 113.697 | 2 |  | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 187 | 10 | 462.144 | 2 | BR | EAST | L | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} \hline 3220.51 \\ 5 \\ \hline \end{array}$ | 188 | 3.83138 | 96.527 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 188 | 3.83138 | 15.885 | 1 | FR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 189 | 5.85422 | 66.649 | 1 | BL | EAST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 191 | 10 | 67.915 | 1 | FL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 192 | 10 |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 193 | 8.49644 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 195 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 196 | 7.51575 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 197 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 198 | 10 | 102.531 | 1 | BR | WEST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 198 | 10 | 161.945 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 201 | 10 | 220.229 | 2 | BL | WEST | H | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 204 | 10 | 116.046 | 1 | BL | EAST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 207 | 10 | 602.596 | 1 | BL | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 208 | 8.08847 | 159.167 | 2 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 209 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 211 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 213 | 10 | 20.534 | 1 | BR | WEST | M | B |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 214 | 2.53107 | 16.96 | 2 | FL | WEST | L | B |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 216 | 10 | 14.605 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 218 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 219 | 5.75035 | 168.124 | 1 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 220 | 10 | 100.367 | 1 | FL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 220 | 10 | 401.997 | 3 | FR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 220 | 10 | 880.276 | 2 | BR | EAST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 220 | 10 | 630.544 | 3 | BL | EAST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 221 | 5.72356 | 51.264 | 3 | BR | WEST | L | M |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 221 | 5.72356 | 36.168 | 2 | FL | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 222 | 10 | 146.332 | 1 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 222 | 10 | 319.877 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 222 | 10 | 298.241 | 3 | BR | EAST | L | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 223 | 7.15601 | 368.797 | 2 | FR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 224 | 10 | 36.531 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 225 | 7.12835 | 275.166 | 1 | FR | WEST | L | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 228 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 229 | 7.07299 | 138.32 | 1 | BL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 229 | 7.07299 | 209.678 | 2 | BL | EAST | M | M |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 231 | 7.04531 | 140.779 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 233 | 7.01762 | 77.67 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 234 | 10 | 353.214 | 3 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 234 | 10 | 383.752 | 2 | BR | WEST | M | S |
| WMU | 3220.51 | 235 | 6.98992 | 158.996 | 1 | BL | EAST | M | M |


| 503 | 5 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 235 | 6.98992 | 202.534 | 1 | BL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 235 | 6.98992 | 317.806 | 2 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 235 | 6.98992 | 134.76 | 1 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 236 | 10 | 89.006 | 1 | FL | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 236 | 10 | 31.524 | 2 | BL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 236 | 10 | 350.968 | 1 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 237 | 6.96221 | 272.705 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 237 | 6.96221 | 264.933 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 237 | 6.96221 | 293.001 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 238 | 10 | 439.783 | 3 | BL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 238 | 10 | 606.001 | 2 | BL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 238 | 10 | 464.806 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 238 | 10 | 798.85 | 2 | FL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 238 | 10 | 441.724 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 238 | 10 | 360.863 | 1 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 239 | 6.93445 | 545.467 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 239 | 6.93445 | 290.519 | 1 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 239 | 6.93445 | 165.798 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 239 | 6.93445 | 222.149 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 239 | 6.93445 | 39.622 | 1 | FL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 239 | 6.93445 | 143.989 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 239 | 6.93445 | 39.76 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 240 | 10 | 99.139 | 3 | FL | EAST | L | B |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 240 | 10 | 281.879 | 1 | BR | EAST | M | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ \hline 5 \end{array}$ | 244 | 10 | 76.126 | 2 | FL | WEST | L | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 245 | 6.85102 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 246 | 10 | 354.179 | 3 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 247 | 6.8232 | 55.556 | 2 | FL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ \hline 5 \\ \hline \end{array}$ | 247 | 6.8232 | 330.952 | 1 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 248 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 249 | 6.79539 | 474.842 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 252 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \\ \hline \end{array}$ | 253 | 6.73981 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.51 \\ 5 \end{array}$ | 254 | 10 |  |  |  |  |  |  |

## Density Estimation Results

Effort : 1458.630
\# samples : 165
Width : 1000.000
\# observations: 229

## Model Selection Results

Model 1
Hazard Rate key, $\mathrm{k}(\mathrm{y})=1-\operatorname{Exp}\left(-(\mathrm{y} / \mathrm{A}(1))^{* *}-\mathrm{A}(2)\right)$

Component Percentages of $\operatorname{Var}(\mathrm{D})$

Detection probability : 22.9
Encounter rate : 68.5
Cluster size : 8.6

## Goodness of fit tests

Kolmogorov-Smirnov test

$$
\text { D_n } \quad=0.0332 \quad \mathrm{p}=0.9626
$$

Cramer-von Mises family tests
$\qquad$

W-sq (uniform weighting) $=0.0272 \quad 0.900<p<=1.000$
Relevant critical values:

$$
\text { W-sq crit(alpha=0.900) }=0.0000
$$

C-sq (cosine weighting) $=0.0206 \quad 0.900<p<=1.000$
Relevant critical values:
C-sq crit(alpha=0.900) $=0.0000$
Total Chi-square value $=1.8398$ Degrees of Freedom $=7.00$

Probability of a greater chi-square value, $\mathrm{P}=0.96817$

## Expected cluster size estimation table

Expected cluster size estimated based on regression of: $\log (s(i))$ on $g(x(i))$

Regression Estimates

```
Slope = -0.115705 Std error = 0.988147E-01
Intercept = 0.492888 Std error = 0.875315E-01
Correlation= -0.0775 Students-t = -1.17093
Df = 227 Pr(T<t) = 0.121428
Expected cluster size = 1.5914 Standard error = 0.45861E-01
Mean cluster size = 1.6245 Standard error = 0.47480E-01
```


## Detection probability plot



## White-tailed Deer Distance Data

| Stratu <br> m | Stratu <br> m Area | Transec t ID | Transec t Length | DistancePer <br> p | WTDE <br> GroupSiz <br> e | Observe <br> r | Directio <br> n | Cover | Activit <br> y |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 2 | $\begin{array}{r} 6.18235 \\ 2 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 3220.5 \\ 2 \\ \hline \end{array}$ | 3 | 10 | 1402.5 | 18 | BR | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 3 | 10 | 196.689 | 2 | BR | WEST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 4 | 10 | 352.234 | 2 | BR | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 4 | 10 | 161.504 | 4 | BL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 4 | 10 | 115.324 | 7 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 4 | 10 | 55.747 | 5 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 4 | 10 | 136.212 | 5 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 4 | 10 | 2.1 | 1 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 4 | 10 | 341.419 | 17 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 5 | $\begin{array}{r} 4.43049 \\ 6 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 6 | $\begin{array}{r} 8.32362 \\ 2 \\ \hline \end{array}$ | 73.844 | 6 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 6 | $\begin{array}{r} 8.32362 \\ 2 \\ \hline \end{array}$ | 233.582 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 6 | $\begin{array}{r} 8.32362 \\ 2 \\ \hline \end{array}$ | 151.108 | 2 | BL | EAST | M | B |


| WMU | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 7 | $\begin{array}{r} 6.72684 \\ 1 \end{array}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 10 | $\begin{array}{r} 4.44577 \\ 1 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 11 | $\begin{array}{r} 8.98407 \\ 5 \\ \hline \end{array}$ | 279.36 | 6 | BL | WEST | L | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 11 | $\begin{array}{r} 8.98407 \\ 5 \end{array}$ | 145.011 | 1 | FL | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 14 | 10 | 292.157 | 5 | BR | EAST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 14 | 10 | 713.944 | 5 | BL | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 18 | 8.95416 | 297.141 | 2 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 21 | 10 | 243.752 | 1 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 21 | 10 | 195.262 | 7 | BL | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 21 | 10 | 188.739 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 22 | 10 | 185.637 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 22 | 10 | 47.357 | 6 | FL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 22 | 10 | 2.732 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 22 | 10 | 12.695 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 22 | 10 | 248.097 | 3 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 22 | 10 | 107.898 | 3 | FL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 22 | 10 | 268.58 | 6 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 23 | 10 | 140.693 | 2 | BL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 23 | 10 | 299.716 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 25 | $\begin{array}{r} 8.92424 \\ 4 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 27 | 10 | 20.289 | 4 |  | WEST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 28 | 10 | 190.051 | 6 | FR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 28 | 10 | 1160.64 | 20 | BL | EAST | L | S |
| WMU | 3220.5 | 28 | 10 | 371.021 | 51 | BR | EAST | L | S |


| 503 | 2 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 28 | 10 | 70.865 | 7 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 28 | 10 | 312.256 | 22 | BR | EAST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 28 | 10 | 181.889 | 3 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 28 | 10 | 332.842 | 6 | FL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 28 | 10 | 77.241 | 2 | FL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 29 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 30 | 10 | 165.779 | 3 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 30 | 10 | 290.656 | 8 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 31 | 10 | 314.314 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 31 | 10 | 132.356 | 3 | BL | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 31 | 10 | 105.057 | 4 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 31 | 10 | 257.005 | 3 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 31 | 10 | 178.338 | 4 | BL | WEST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 34 | 10 | 79 | 1 | BR | WEST | L | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 34 | 10 | 73.318 | 1 | FL | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 35 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 36 | 10 | 0 | 2 | FR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 36 | 10 | 75.333 | 2 | BR | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 36 | 10 | 560.194 | 13 | BR | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 36 | 10 | 295.928 | 15 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 36 | 10 | 249.266 | 1 | BR | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 36 | 10 | 9.384 | 4 | FL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 36 | 10 | 112.516 | 17 | BR | EAST |  |  |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 36 | 10 | 758.076 | 18 | BL | EAST | L | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 36 | 10 | 341.611 | 2 | BL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 36 | 10 | 142.952 | 2 | BL | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 36 | 10 | 7.621 | 100 | FR | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 36 | 10 | 165.431 | 5 | FL | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 36 | 10 | 403.418 | 1 | BR | EAST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 36 | 10 | 84.063 | 2 | BR | EAST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 36 | 10 | 142.094 | 14 | BL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 37 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 39 | 10 | 67.245 | 4 | FL | EAST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 39 | 10 | 177.853 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 39 | 10 | 132.686 | 2 | FR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 39 | 10 | 116.191 | 5 | FL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 39 | 10 | 210.6 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 41 | $\begin{array}{r} 8.86381 \\ 5 \\ \hline \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 42 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 43 | 10 | 221.486 | 3 | BR | WEST | L |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 43 | 10 | 292.17 | 9 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 44 | 10 | 309.679 | 2 | BR | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 44 | 10 | 381.871 | 1 | BR | WEST | H | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 44 | 10 | 130.295 | 4 | BR | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 44 | 10 | 402.527 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 44 | 10 | 193.863 | 5 | BR | WEST | M | S |
| WMU | 3220.5 | 44 | 10 | 255.094 | 1 | BR | WEST | L | M |


| 503 | 2 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 45 | 10 | 76.353 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 45 | 10 | 825.542 | 2 | bl | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 45 | 10 | 10.348 | 3 | FL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 45 | 10 | 117.282 | 3 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 46 | 10 | 86.471 | 4 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 46 | 10 | 183.206 | 3 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 46 | 10 | 166.06 | 2 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 47 | 10 | 180.119 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 48 | $\begin{array}{r} 8.83318 \\ 8 \\ \hline \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 51 | 10 | 40.182 | 8 | FL | WEST | M | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 51 | 10 | 150.187 | 16 | BR | WEST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 51 | 10 | 780.16 | 6 | BR | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 51 | 10 | 172.956 | 37 | FL | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 51 | 10 | 135.359 | 5 | BL | WEST | H | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 51 | 10 | 18.135 | 3 | FL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 51 | 10 | 239.233 | 6 | BR | WEST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 53 | 10 | 226.056 | 3 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 53 | 10 | 148.327 | 1 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 53 | 10 | 210.689 | 4 | BL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 53 | 10 | 216.637 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 54 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 55 | $\begin{array}{r} 8.80205 \\ 4 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 56 | 10 |  |  |  |  |  |  |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 57 | 10 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 58 | 10 | 43.678 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 58 | 10 | 107.244 | 4 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 60 | 10 | 139.038 | 2 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 60 | 10 | 37.852 | 5 | BR | EAST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 60 | 10 | 129.31 | 2 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 61 | $\begin{array}{r} 9.56931 \\ 8 \end{array}$ | 100.263 | 5 | BR | EAST | M | M |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 61 | $\begin{array}{r} 9.56931 \\ 8 \end{array}$ | 5.495 | 5 | FL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 61 | $\begin{array}{r} 9.56931 \\ 8 \\ \hline \end{array}$ | 145.144 | 4 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 62 | $\begin{array}{r} 8.77245 \\ 8 \\ \hline \end{array}$ | 507.214 | 7 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 62 | $\begin{array}{r} 8.77245 \\ 8 \\ \hline \end{array}$ | 218.493 | 1 |  | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 63 | 10 | 128.467 | 3 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 64 | 10 | 177.228 | 3 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 65 | 10 | 166.033 | 8 | BR | WEST | M | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 65 | 10 | 102.014 | 5 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 65 | 10 | 3.315 | 3 | FL | WEST | H | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 66 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 67 | 10 | 185.219 | 1 | BL | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 67 | 10 | 359.098 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 69 | $\begin{array}{r} 8.74166 \\ 6 \\ \hline \end{array}$ | 170.517 | 5 | FR | WEST |  |  |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 69 | $\begin{array}{r} 8.74166 \\ 6 \end{array}$ | 10.268 | 1 | FL | WEST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 69 | $\begin{array}{r} \hline 8.74166 \\ 6 \\ \hline \end{array}$ | 191.135 | 1 | BL | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 69 | $\begin{array}{r} 8.74166 \\ 6 \\ \hline \end{array}$ | 201.808 | 1 | BL | WEST | M | S |
| WMU | 3220.5 | 69 | 8.74166 | 649.406 | 15 | BR | WEST |  |  |


| 503 | 2 |  | 6 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 69 | $\begin{array}{r} 8.74166 \\ 6 \end{array}$ | 58.969 | 2 | BR | WEST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 69 | $\begin{array}{r} 8.74166 \\ 6 \end{array}$ | 75.161 | 13 | BR | WEST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 73 | 10 | 298.165 | 4 | BL | EAST |  |  |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 74 | 10 | 125.442 | 3 | BR | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 74 | 10 | 319.838 | 16 | FR | EAST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 74 | 10 | 39.417 | 5 | BR | EAST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 74 | 10 | 17.629 | 1 | FL | EAST | M | M |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 74 | 10 | 42.483 | 5 | FL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 74 | 10 | 294.707 | 10 | FR | EAST |  |  |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 74 | 10 | 50.198 | 1 | BR | EAST | M | M |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 74 | 10 | 14.016 | 2 | FL | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 76 | $\begin{array}{r} 8.71169 \\ 2 \end{array}$ |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 78 | 10 | 167.509 | 2 |  | EAST | M | M |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 79 | 10 | 13.457 | 2 | FL |  | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 82 | 10 | 107.427 | 4 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 82 | 10 | 18.927 | 2 | BR | WEST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 82 | 10 | 236.743 | 3 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 82 | 10 | 421.392 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 82 | 10 | 160.688 | 1 | BL | WEST | M | M |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 83 | $\begin{array}{r} 8.68229 \\ 4 \\ \hline \end{array}$ | 167.084 | 1 | BR | EAST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 83 | $\begin{array}{r} 8.68229 \\ 4 \end{array}$ | 105.394 | 3 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 84 | 10 | 139.697 | 6 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 85 | 10 | 192.719 | 2 | FL | WEST | H | S |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 85 | 10 | 19.56 | 3 | FR | WEST | M | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 88 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 89 | 10 | 72.735 | 8 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 89 | 10 | 134.388 | 2 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 89 | 10 | 50.304 | 1 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 90 | $\begin{array}{r} 8.65255 \\ 8 \\ \hline \end{array}$ | 140.451 | 4 | FL | WEST | M | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 91 | 10 | 218.384 | 19 | BR | EAST | M | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 91 | 10 | 60.977 | 1 | BR | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 92 | 10 | 290.637 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 92 | 10 | 89.333 | 2 | BL | EAST | M | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 92 | 10 | 126.03 | 4 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 92 | 10 | 46.315 | 4 | BL | EAST | H | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 92 | 10 | 235.86 | 2 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 92 | 10 | 129.241 | 2 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 92 | 10 | 55.989 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 92 | 10 | 13.312 | 3 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 93 | 10 | 114.943 | 4 | FL | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 93 | 10 | 576.755 | 2 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 94 | 10 | 181.268 | 5 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 98 | 10 | 2.704 | 1 | FL | EAST | H | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 99 | 10 | 135.582 | 3 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 99 | 10 | 369.011 | 9 | BL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 100 | 10 | 126.857 | 8 | BR | EAST | M | S |
| WMU | 3220.5 | 100 | 10 | 195.05 | 3 | FL | EAST | L | S |


| 503 | 2 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 100 | 10 | 160.808 | 3 | FL |  | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 100 | 10 | 353.131 | 4 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 100 | 10 | 61.765 | 6 | BL | EAST | L | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 100 | 10 | 106.292 | 4 | FR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 100 | 10 | 94.282 | 4 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 105 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 106 | 10 | 181.184 | 3 | BR | EAST | H | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 107 | 10 | 69.902 | 2 | FL | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 107 | 10 | 1.562 | 3 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 107 | 10 | 297.482 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 107 | 10 | 147.122 | 7 | FR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 107 | 10 | 51.349 | 3 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 107 | 10 | 379.608 | 4 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 107 | 10 | 227.08 | 3 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 107 | 10 | 4.711 | 2 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 108 | 10 | 384.799 | 3 | BR | WEST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 108 | 10 | 215.299 | 2 | FR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 108 | 10 | 394.845 | 2 | BL | WEST | H | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 108 | 10 | 145.02 | 5 | BR | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 108 | 10 | 12.977 | 2 | FL | WEST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} \hline 3220.5 \\ 2 \end{array}$ | 109 | 10 | 1.543 | 2 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 109 | 10 | 38.539 | 4 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 109 | 10 | 472.115 | 3 | BR | WEST | L | M |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 109 | 10 | 88.588 | 2 | BL | WEST | M | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 109 | 10 | 13.279 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 111 | $\begin{array}{r} 8.56255 \\ 7 \\ \hline \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 112 | 10 | 118.381 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 112 | 10 | 176.912 | 5 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 112 | 10 | 355.062 | 15 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 112 | 10 | 85.173 | 3 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 112 | 10 | 24.441 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 112 | 10 | 118.381 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 112 | 10 | 176.912 | 5 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 112 | 10 | 355.062 | 15 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 112 | 10 | 24.441 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 112 | 10 | 85.173 | 3 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 113 | 10 | 98.53 | 3 | FR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 113 | 10 | 75.085 | 3 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 113 | 10 | 548.62 | 2 | BR | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 116 | 10 | 236.022 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 116 | 10 | 222.562 | 1 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 116 | 10 | 260.61 | 8 | FR | EAST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 116 | 10 | 265.679 | 4 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 118 | $\begin{array}{r} 8.43168 \\ 1 \\ \hline \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 120 | 10 | 288.694 | 3 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 120 | 10 | 199.325 | 2 | BL | EAST | M | S |
| WMU | 3220.5 | 120 | 10 | 65.06 | 5 | BR | EAST | M | S |


| 503 | 2 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 121 | 10 | 28.098 | 1 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 122 | $\begin{array}{r} 7.88321 \\ 2 \end{array}$ | 180.332 | 3 |  | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 122 | $\begin{array}{r} 7.88321 \\ 2 \\ \hline \end{array}$ | 87.096 | 3 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 122 | $\begin{array}{r} 7.88321 \\ 2 \end{array}$ | 396.147 | 3 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 122 | $\begin{array}{r} 7.88321 \\ 2 \\ \hline \end{array}$ | 153.747 | 3 | BR | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 123 | $\begin{array}{r} 9.75471 \\ 7 \\ \hline \end{array}$ | 238.801 | 3 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 123 | $\begin{array}{r} 9.75471 \\ 7 \end{array}$ | 245.728 | 2 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 123 | $\begin{array}{r} 9.75471 \\ 7 \end{array}$ | 87.92 | 3 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 124 | $\begin{array}{r} 3.35825 \\ 9 \end{array}$ | 97.17 | 1 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 124 | $\begin{array}{r} 3.35825 \\ 9 \\ \hline \end{array}$ | 99.113 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 124 | $\begin{array}{r} 3.35825 \\ 9 \\ \hline \end{array}$ | 163.947 | 5 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 125 | $\begin{array}{r} 8.35686 \\ 7 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 128 | 10 | 216.109 | 2 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 128 | 10 | 513.983 | 6 | BL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 129 | $\begin{array}{r} 7.61115 \\ 8 \end{array}$ | 92.151 | 5 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 129 | $\begin{array}{r} 7.61115 \\ 8 \\ \hline \end{array}$ | 173.96 | 6 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 129 | $\begin{array}{r} 7.61115 \\ 8 \\ \hline \end{array}$ |  | 6 | FL | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 129 | $\begin{array}{r} 7.61115 \\ 8 \end{array}$ | 404.658 | 9 | BR | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 129 | $\begin{array}{r} 7.61115 \\ 8 \\ \hline \end{array}$ | 18.143 | 1 | BL | WEST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 129 | $\begin{array}{r} 7.61115 \\ 8 \\ \hline \end{array}$ | 218.551 | 2 | BL | WEST | H | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 129 | $\begin{array}{r} 7.61115 \\ 8 \end{array}$ | 168.303 | 5 | BL | WEST |  | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 130 | $\begin{array}{r} 7.03080 \\ 9 \\ \hline \end{array}$ | 562.494 | 10 | BR | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 130 | $\begin{array}{r} 7.03080 \\ 9 \\ \hline \end{array}$ | 88.476 | 2 | BR | WEST | L | S |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 131 | $\begin{array}{r} 7.64178 \\ 4 \end{array}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 132 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 133 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 134 | 10 | 379.958 | 4 | BL | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 134 | 10 | 100.552 | 14 | FL | WEST | L | S |
| WMU 503 | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 134 | 10 | 178.256 | 3 | BR | WEST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 134 | 10 | 134.469 | 2 | BR | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 134 | 10 | 205.267 | 4 | BL | WEST | M | S |
| WMU <br> 503 | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 134 | 10 | 36.062 | 3 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 134 | 10 | 61.805 | 3 |  | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 135 | $\begin{array}{r} 7.29844 \\ 3 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 136 | $\begin{array}{r} 4.28307 \\ 6 \\ \hline \end{array}$ | 142.77 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 136 | $\begin{array}{r} 4.28307 \\ 6 \end{array}$ | 98.947 | 6 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 137 | $\begin{array}{r} 7.40816 \\ 3 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 138 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 139 | 10 | 169.59 | 4 | FL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 139 | 10 | 146.824 | 2 | FL | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 139 | 10 | 58.283 | 2 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 139 | 10 | 22.033 | 20 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 139 | 10 | 276.376 | 2 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 139 | 10 | 323.637 | 3 | BL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 139 | 10 | 70.853 | 2 | FL | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 140 | 10 | 48.727 | 2 | FL | EAST | M | B |
| WMU | 3220.5 | 140 | 10 | 132.901 | 1 | BL | EAST | M | M |


| 503 | 2 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 141 | $\begin{array}{r} 6.14243 \\ 2 \\ \hline \end{array}$ | 25.918 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 141 | $\begin{array}{r} 6.14243 \\ 2 \\ \hline \end{array}$ | 68.259 | 5 | BR | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 141 | $\begin{array}{r} 6.14243 \\ 2 \\ \hline \end{array}$ | 198.146 | 2 | BL | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 141 | $\begin{array}{r} 6.14243 \\ 2 \\ \hline \end{array}$ | 170.719 | 2 | BL | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 141 | $\begin{array}{r} 6.14243 \\ 2 \\ \hline \end{array}$ | 270.572 | 7 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 141 | $\begin{array}{r} 6.14243 \\ 2 \end{array}$ | 272.937 | 3 | BL | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 141 | $\begin{array}{r} 6.14243 \\ 2 \\ \hline \end{array}$ | 121.93 | 2 | BR | EAST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 143 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 145 | 10 | 392.468 | 3 | FL | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 145 | 10 | 261.108 | 9 | FL | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 145 | 10 | 355.234 | 9 |  | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 145 | 10 | 213.221 | 29 |  | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 145 | 10 | 52.812 | 6 |  | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 145 | 10 | 10.131 | 11 |  | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 145 | 10 | 65.831 | 6 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 145 | 10 | 199.61 | 6 |  | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 145 | 10 | 194.219 | 4 | FL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 145 | 10 | 343.848 | 5 |  | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 146 | $\begin{array}{r} 6.40819 \\ \hline 9 \\ \hline \end{array}$ | 130.713 | 3 | BL | WEST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 146 | $\begin{array}{r} 6.40819 \\ 9 \\ \hline \end{array}$ | 15.033 | 1 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \end{array}$ | 52.64 | 6 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \\ \hline \end{array}$ | 163.61 | 6 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \\ \hline \end{array}$ | 62.836 | 2 | FL | WEST | H | S |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \end{array}$ | 82.257 | 5 | BR | WEST | M | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \end{array}$ | 215.331 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \end{array}$ | 190.114 | 3 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \end{array}$ | 33.124 | 3 | FL | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \end{array}$ | 786.341 | 10 | BR | WEST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} \hline 3220.5 \\ 2 \\ \hline \end{array}$ | 154 | $\begin{array}{r} \hline 7.75762 \\ 6 \\ \hline \end{array}$ | 27.332 | 3 | FL | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 154 | $\begin{array}{r} 7.75762 \\ 6 \\ \hline \end{array}$ | 22.085 | 3 | FL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 155 | $\begin{array}{r} 4.27727 \\ 2 \end{array}$ | 344.317 | 3 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 157 | 10 | 76.305 | 2 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 157 | 10 | 365.784 | 3 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 157 | 10 | 31.734 | 4 | BR | WEST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} \hline 3220.5 \\ 2 \\ \hline \end{array}$ | 163 | $\begin{array}{r} \hline 6.25999 \\ 6 \\ \hline \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 164 | $\begin{array}{r} 3.03893 \\ 1 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 165 | 10 |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} \hline 3220.5 \\ 2 \\ \hline \end{array}$ | 166 | $\begin{array}{r} \hline 2.84164 \\ 7 \\ \hline \end{array}$ | 128.223 | 1 | BL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 166 | $\begin{array}{r} 2.84164 \\ 7 \\ \hline \end{array}$ | 261.209 | 1 | BR | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 167 | $\begin{array}{r} \hline 7.42600 \\ 8 \\ \hline \end{array}$ | 315.914 | 5 | BL | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} \hline 3220.5 \\ 2 \\ \hline \end{array}$ | 172 | 2.98839 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 174 | $\begin{array}{r} 8.08093 \\ 1 \\ \hline \end{array}$ | 300.621 | 4 | BL | EAST | L | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 174 | $\begin{array}{r} 8.08093 \\ 1 \\ \hline \end{array}$ | 65.36 | 2 | BR | EAST | M | S |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} \hline 3220.5 \\ 2 \\ \hline \end{array}$ | 174 | $\begin{array}{r} 8.08093 \\ 1 \\ \hline \end{array}$ | 18.261 | 11 | FL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 176 | 10 | 186.465 | 3 | BR | WEST | M | B |
| $\begin{array}{\|l\|} \hline \text { WMU } \\ 503 \\ \hline \end{array}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 177 | $\begin{array}{r} 9.59343 \\ 5 \\ \hline \end{array}$ | 259.887 | 2 | BR | EAST | L | S |
| WMU | 3220.5 | 178 | 3.34037 |  |  |  |  |  |  |


| 503 | 2 |  | 1 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 180 | $\begin{array}{r} 9.49684 \\ 6 \end{array}$ | 84.046 | 4 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 180 | $\begin{array}{r} 9.49684 \\ 6 \end{array}$ | 439.342 | 6 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 180 | $\begin{array}{r} 9.49684 \\ 6 \\ \hline \end{array}$ | 44.546 | 5 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 180 | $\begin{array}{r} 9.49684 \\ 6 \end{array}$ | 15.164 | 9 | FL | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 181 | 10 | 53.849 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 181 | 10 | 221.201 | 12 | BL | WEST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 181 | 10 | 185.336 | 11 | BL | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 182 | 10 | 164.702 | 6 | BL | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 182 | 10 | 442.974 | 1 | BL | WEST | L | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 182 | 10 | 62.271 | 6 | BR | WEST |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 185 | $\begin{array}{r} 5.73120 \\ 1 \\ \hline \end{array}$ | 136.672 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 185 | $\begin{array}{r} 5.73120 \\ 1 \\ \hline \end{array}$ | 132.357 | 7 | FL | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 185 | $\begin{array}{r} 5.73120 \\ 1 \\ \hline \end{array}$ | 65.706 | 1 | BL | WEST | H | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 186 | 10 | 117.01 | 3 | FL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 186 | 10 | 14.639 | 3 | FL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 187 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 188 | 3.83138 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 189 | $\begin{array}{r} 5.85421 \\ 9 \\ \hline \end{array}$ | 2.486 | 3 | FL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 189 | $\begin{array}{r} 5.85421 \\ 9 \\ \hline \end{array}$ | 48.183 | 3 | BR | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 189 | $\begin{array}{r} \hline 5.85421 \\ 9 \\ \hline \end{array}$ | 5.824 | 1 | FR | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 189 | $\begin{array}{r} 5.85421 \\ 9 \end{array}$ | 114.05 | 8 | BL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 191 | 10 | 195.744 | 3 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 191 | 10 | 130.466 | 1 | BL | EAST | H | B |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 192 | 10 | 67.509 | 3 | BR | WEST | M | B |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 193 | 8.49644 |  | 2 | BR | EAST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 193 | 8.49644 | 200.494 | 2 | BR | EAST | H | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 193 | 8.49644 | 31.707 | 2 | BR | EAST | L | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 193 | 8.49644 | 102.65 | 1 | BR | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 193 | 8.49644 | 393.427 | 2 | BR | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 195 | 10 | 108.593 | 2 | BL | EAST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 195 | 10 | 109.836 | 1 | BL | EAST | H | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 196 | 7.51575 | 262.12 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 196 | 7.51575 | 230.608 | 3 | FL | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 196 | 7.51575 | 109.302 | 1 | BR | WEST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 197 | 10 | 2.013 | 3 | BL | WEST | H | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 198 | 10 | 278.689 | 13 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 198 | 10 | 14.674 | 5 | FL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 201 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 204 | 10 | 609.664 | 6 | BL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 207 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 208 | $\begin{array}{r} 8.08847 \\ 3 \\ \hline \end{array}$ | 352.414 | 3 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 209 | 10 | 14.104 | 3 | BL | WEST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 209 | 10 | 132.266 | 4 | FL | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 211 | 10 | 241.966 | 2 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 213 | 10 | 88.083 | 5 | BR | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 214 | $\begin{array}{r} 2.53107 \\ \hline \end{array}$ |  |  |  |  |  |  |
| WMU | 3220.5 | 216 | 10 | 461.483 | 2 | BR | EAST | M | S |


| 503 | 2 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 218 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 219 | $\begin{array}{r} 5.75034 \\ 7 \end{array}$ | 13.28 | 2 | FL | EAST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 219 | $\begin{array}{r} 5.75034 \\ 7 \end{array}$ | 0.96 | 3 | BR | EAST | L | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 220 | 10 | 233.79 | 13 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 220 | 10 | 213.829 | 1 | BR | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 220 | 10 | 85.993 | 1 | FL | EAST | L | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 221 | $\begin{array}{r} 5.72356 \\ 2 \\ \hline \end{array}$ | 135.618 | 2 | BR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 221 | $\begin{array}{r} \hline 5.72356 \\ 2 \\ \hline \end{array}$ | 23.215 | 2 | BL | WEST | H | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 221 | $\begin{array}{r} 5.72356 \\ 2 \\ \hline \end{array}$ | 19.489 | 8 | BR | WEST | M | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 222 | 10 | 184.776 | 2 | BR | EAST |  | M |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 223 | $\begin{array}{r} 7.15601 \\ 1 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 224 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 225 | $\begin{array}{r} 7.12834 \\ 6 \end{array}$ | 99.395 | 2 | BL | WEST | M | M |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 225 | $\begin{array}{r} 7.12834 \\ 6 \\ \hline \end{array}$ | 284.223 | 1 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 225 | $\begin{array}{r} \hline 7.12834 \\ 6 \\ \hline \end{array}$ | 210.688 | 8 | BR | WEST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 228 | 10 | 52.983 | 3 | FL | EAST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 229 | $\begin{array}{r} 7.07299 \\ 4 \\ \hline \end{array}$ | 139.433 | 7 | BR | EAST | H | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 231 | $\begin{array}{r} 7.04530 \\ \hline \end{array}$ | 135.4 | 1 | BR | EAST | H | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 231 | $\begin{array}{r} 7.04530 \\ 9 \end{array}$ | 28.401 | 5 | FL | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 233 | $\begin{array}{r} 7.01761 \\ 7 \\ \hline \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 234 | 10 | 10.058 | 2 | FL | WEST | L | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 234 | 10 | 74.253 | 6 | BR | WEST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 235 | $\begin{array}{r} 6.98991 \\ \hline \end{array}$ |  |  |  |  |  |  |


| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 236 | 10 | 689.841 | 8 | BR | WEST | M | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 236 | 10 | 138.048 | 2 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 236 | 10 | 192.413 | 7 | BR | WEST | M | B |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 237 | $\begin{array}{r} 6.96221 \\ 3 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 238 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 239 | $\begin{array}{r} 6.93444 \\ 9 \\ \hline \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 240 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 244 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 245 | $\begin{array}{r} 6.85102 \\ 3 \\ \hline \end{array}$ | 244.437 | 3 | BR | EAST |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 245 | $\begin{array}{r} 6.85102 \\ 3 \end{array}$ | 177.997 | 3 | BR | EAST | M | B |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 245 | $\begin{array}{r} 6.85102 \\ 3 \end{array}$ | 54.973 | 4 | FL | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 245 | $\begin{array}{r} 6.85102 \\ 3 \\ \hline \end{array}$ | 175.609 | 6 | BR | EAST | M | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 245 | $\begin{array}{r} 6.85102 \\ 3 \\ \hline \end{array}$ | 100.879 | 8 | BL | EAST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 246 | 10 | 140.814 | 1 | BL | EAST | L | S |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 247 | $\begin{array}{r} 6.82320 \\ 2 \end{array}$ | 56.342 | 3 | FR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 248 | 10 |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 249 | $\begin{array}{r} 6.79539 \\ 1 \\ \hline \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 252 | 10 | 69.373 | 2 | FR | WEST | M | S |
| $\begin{aligned} & \text { WMU } \\ & 503 \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \end{array}$ | 253 | $\begin{array}{r} 6.73981 \\ 3 \end{array}$ |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { WMU } \\ & 503 \\ & \hline \end{aligned}$ | $\begin{array}{r} 3220.5 \\ 2 \\ \hline \end{array}$ | 254 | 10 |  |  |  |  |  |  |

## Density Estimation Results

```
Effort : 1458.630
    # samples : 165
Width : 1402.490
# observations: 355
Model Selection Results
Model 1
    Hazard Rate key, k(y) = 1 - Exp(-(y/A(1))**-A(2))
Detection probability : 16.9
Encounter rate : 65.8
Cluster size : 17.3
```


## Goodness of fit tests

Kolmogorov-Smirnov test

```
D_n =0.0406 p = 0.6011
Cramer-von Mises family tests
W-sq (uniform weighting) \(=0.0618 \quad 0.800<p<=0.900\)
Relevant critical values:
W-sq crit(alpha \(=0.900\) ) \(=0.0460\)
W-sq crit(alpha \(=0.800\) ) \(=0.0622\)
C-sq (cosine weighting) \(=0.0536 \quad 0.600<p<=0.700\)
Relevant critical values:
C-sq crit(alpha=0.700) \(=0.0499\)
C-sq crit(alpha=0.600) \(=0.0622\)
Total Chi-square value \(=12.7250\) Degrees of Freedom \(=15.00\)
Probability of a greater chi-square value, \(\mathrm{P}=0.62353\)
```


## Expected cluster size estimation table

Expected cluster size estimated based on regression of: $\log (s(i))$ on $g(x(i))$

Regression Estimates
$\qquad$

```
Slope = -0.504760 Std error = 0.127542
Intercept = 1.56605 Std error = 0.106946
Correlation= -0.2061 Students-t = -3.95759
Df = 353 Pr (T<t) = 0.457757E-04
```

Expected cluster size $=3.9021$ Standard error $=0.18298$
Mean cluster size $=4.7521$ Standard error $=0.37604$

Detection probability plot


