



## Hiker Use of Selected Trails and Trail Intersections in Acadia National Park, 2013



**Emery Path**

---

**Charles Jacobi, Natural Resource Specialist  
March 2014  
ANP Natural Resource Report 2014 - 4**

## SUMMARY

In a change of pace from 19 years of summit counts, volunteers counted hiker traffic at three intersections throughout the park in July and August and weekends in September from 11:00 a.m. to 2:00 p.m. Trail counters were operated at two long-term monitoring sites on the Gorham Mountain and Triad Trails. At another trail counter site on the new Kebo Brook Trail, data was unusable due to technical problems.

Cadillac Mountain South Ridge Trail/Canon Brook Trail was the most popular of the three intersections, with 47.3 individual hikers per hour, followed by the Acadia Mountain/Man o War Brook Trail/Valley Peak/Valley Cove Trail with 34.4 and the Asticou Trail/Penobscot Mountain with 10.4.

For the Cadillac Mountain South Ridge Trail site, the vast majority of traffic was north and south on the Cadillac South Ridge Trail. Few used the Canon Brook Trail to the east or the west, and of those that did, more used the trail east down the brook. For the Asticou Trail site, the majority of traffic was east and west on the Asticou Trail, with somewhat more traffic to and from the Jordan Pond House (east). Few used the Penobscot Mountain Trail, and of those that did, most were ascending. For the Man o War Brook Trail site, the vast majority of traffic was making a loop on the Acadia Mountain and Man o War Brook Trails, hiking Acadia Mountain first. Few used the Valley Cove or Valley Peak Trails to the south.

The number of dogs off leash per hour is a statistic we have tracked with our summit counts in the past. For all three intersections together, there were 0.44 dogs off leash per hour of observation. This is very high compared to our summit count data which is shown in Table 2. In summit counts we also lumped several sites together for this statistic. The outlier site in 2013 is the Man o War Brook Trail intersection where 44% of dogs (12/27) were observed off leash at the intersection. We do not have an explanation for this unless this loop hike is used by more local and summer residents, or it is simply random variation.

Between May 1 and October 31, 2013, the Gorham Mountain Trail counter recorded a traffic count of 58,561. August 2013 was the busiest August by a considerable amount, with mean traffic of 657 +/- 70 and a total traffic count of nearly 20,000. The busiest days were August 7, July 24, and August 15 with traffic counts of 1,001, 931, and 908 respectively. There were six other days in August and two in July with traffic counts greater than 800. Many of the busiest days in July and August on the Gorham Mountain Trail matched up with the busiest days on the carriage roads and the Sand Beach and Paradise Hill Road traffic counters.

In contrast to the heavily used Gorham Mountain Trail, the Triad Trail counter recorded a count of 2,222 from May 1 – October 31, 2013. Mean daily traffic in August was 24 +/- 5. August 11, 2013 was the busiest day on the Triad Trail with a traffic volume of 65, but there were no good correlations with other measures of park use. Based on the six years of data, peak traffic volume is about 50 – 60 in July or August and the highest monthly mean daily use is about 20 - 25 in August.

There was no evidence at either trail counter site of any effect from the sequester in April and May, probably because the Ocean Drive and Jordan Pond Road were still open to traffic. The October shut down however is evident at both sites, especially Gorham Mountain, where traffic dropped about 2,000 from most other years. The Ocean Drive was closed from October 1 – 16.

**Trail Counter Trends.** Trail counter data suggest increasing use in most months for Gorham Mountain and some months for the Triad. As this dataset grows we will learn more about trends.

## CONTENTS

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| INTRODUCTION .....                                                           | 1  |
| METHODS .....                                                                | 1  |
| INTERSECTION COUNTS .....                                                    | 1  |
| TRAIL COUNTERS .....                                                         | 2  |
| DATA ANALYSIS .....                                                          | 4  |
| <i>Intersections</i> .....                                                   | 4  |
| <i>Trail Counters</i> .....                                                  | 4  |
| RESULTS .....                                                                | 5  |
| INTERSECTION COUNTS .....                                                    | 5  |
| TRAIL COUNTERS .....                                                         | 6  |
| SUMMARY AND DISCUSSION .....                                                 | 11 |
| <i>Intersection Counts</i> .....                                             | 11 |
| <i>Trail Counter Trends</i> .....                                            | 11 |
| <i>Diversity of Experiences</i> .....                                        | 11 |
| REFERENCES .....                                                             | 12 |
| APPENDIX 1: VOLUNTEER INTERSECTION COUNT DATA SHEETS .....                   | 14 |
| APPENDIX 2: VOLUNTEER INTERSECTION COUNT DATA AND STATISTICAL ANALYSES ..... | 17 |
| APPENDIX 3: MONTHLY TRAIL COUNTER DATA AND STATISTICAL ANALYSES .....        | 20 |

## FIGURES

|                                                                                                                                   |    |
|-----------------------------------------------------------------------------------------------------------------------------------|----|
| FIGURE 1: Locations of Intersection and Summit Counts, and Trail Counters, Acadia National Park .....                             | 3  |
| FIGURE 2: Mean Daily Traffic Counter Count by Month at the Gorham Mountain Trail with 95% Confidence Intervals, 2008 - 2013. .... | 10 |
| FIGURE 3: Mean Daily Traffic Counter Count by Month at the Triad Trail with 95% Confidence Intervals, 2008 - 2013. ....           | 10 |

## TABLES

|                                                                                                                                             |   |
|---------------------------------------------------------------------------------------------------------------------------------------------|---|
| TABLE 1: Hiker Count Data and Dog Data from Three Trail Intersections in Acadia National Park in 2013 .....                                 | 5 |
| TABLE 2: Percent of Dogs Off Leash and Dogs On Leash, and Dogs Off Leash Per Hour in Acadia National Park by Location for 1997 – 2012 ..... | 6 |
| TABLE 3: Monthly Trail Counter Statistics for the Gorham Mountain Trail, Acadia National Park 2008 – 2013 ....                              | 8 |
| TABLE 4: Monthly Trail Counter Statistics for the Triad Trail, Acadia National Park 2008 – 2013 .....                                       | 9 |

## ACKNOWLEDGEMENTS

Many thanks go to Laura Sholtz and Bill Ames, dedicated volunteers who count...and count and count... and count some more. For the many years they have hiked Acadia's trails and sat on summits for hours at a time, counting heads and educating hikers about Leave No Trace principles. We would know much less about hiker use of summits, and in 2013, intersections, without their commitment of time and energy.

Many thanks are also due to Friends of Acadia and the Ridgerunner crew. Through donors, Friends of Acadia supports the entire corps of four Ridgerunners for ten weeks each summer. Ridgerunners also count and count and count on trails and carriage roads, educate hikers about Leave No Trace principles, perform minor trail maintenance, and do a multitude of other tasks. Friends of Acadia also supports the Recreation Technician who counts as well, and enters all the data. Thanks to the donors, and to David MacDonald, Stephanie Clement, and all the staff of Friends of Acadia for making this possible. And thanks to the following crews of Ridgerunners and the Recreation Technician each year.

1997: Jim Cavanaugh, Emily Davis, Dana Gross, Stewart Strawbridge, Alex Wilke  
1998: Cammee Campbell, Becca Edson, Joshua Fogg, Christy Nuss, Pete Diachun  
1999: Joe Cashion, Ali Davis, Molly Dodge, Brian Hiester, Christy Nuss, Tim Foley  
2000: Chris Bishop, Lindsey Cotter, Alex Delucia, Tara Jeffers, Petra Koppova, Joe Cashion  
2001: Matt Barrett, Jakob Bueche, Lindsay Madeira, Kimberly Nathane, Brian Malone  
2002: Mike Daubenspeck, Scott Pierce, Patti Reidman, Kate Tanski, Brian Malone,  
2003: Lyrica Hammann, Don Lenahan, Scott Pierce, Will Dominie,  
2004: Sadie Anderson, Catie Carter, Jessi Graff, Don Lenahan, David Kleinpeter,  
2005: Pete Berquist, Catie Carter, Jesse Graff, Jesse Kucenic, Pat Mahoney  
2006: Heather Bleick, Kim Counts, Pat Mahoney, Vassar Pierce, Bhupi Nagpure,  
2007: Catie Carter, Melissa Gates, Elaine Lauriat, Alexa Pezzano, Sandra Klausmeyer,  
2008: Noreen Hogan, Elaine Lauriat, Vassar Pierce, Mary Raikes, Ryan Sharp  
2009: Ethan Burne, Jeremy Cline, Nicole Lavertu, Cecily Swinburne, Kevin Dougherty,  
2010: Ethan Burne, Erin Hardy, Nicole Lavertu, Charlie Mitchell, Kevin Dougherty  
2011: Ethan Burne, Jessie Fefer, Steve Langley, Larissa Lee, Nate Smith  
2012: April Bolstridge, Jared Garfield, Larissa Lee, James McKinney, Steve Langley  
2013: Kristin Dillon, Jared Garfield, Alison Kuzar, Moira O'Niell, Abby Seymour

## INTRODUCTION

Acadia National Park offers spectacular and easily accessible hiking for visitors. With 2.4 million annual visits, tens of thousands of visitors take to the trails each year. In one study, 79% of park visitors reported that they hiked on park trails (Manni et al 2010).

Summits are the main destinations, and Acadia's summits harbor an unusual community of subalpine flora, including several rare species. A thin layer of nonrenewable mountain soil supports this flora. This subalpine environment is very sensitive to visitor use due to a short growing season, severe weather conditions, the thin soil layer, and the volume of hiker traffic.

A greater effort to educate the hiking public about low impact use or "Leave No Trace" principles began in 1998. This program is important for the long-term protection of subalpine summits and other park areas. Park trail crews continue to work in subalpine areas to help concentrate hiker use on trails as much as possible. This will also protect the thin soils and subalpine flora. A third effort also serves the long-term interest of protecting Acadia's subalpine summits - monitoring visitor use. If there is a need to more intensively manage hiking use to protect park resources or visitor experiences, use monitoring data should help inform decisions.

We have reported on summit and trail use together now since 2008 using data collected by ridgerunners and park volunteers (Jacobi 2013, Jacobi 2012, Jacobi 2011, Jacobi 2010, and Jacobi 2008). Earlier summit reports combined data over a two or three year period (see Jacobi 2007, Jacobi 2006, Jacobi 2003a, Jacobi 2001a, Jacobi 1999, and Jacobi 1997).

Since ridgerunners were not scheduled to conduct summit counts in 2013, and because we have a lengthy dataset for most summits now, we decided to focus volunteer counts on several interior trail intersections instead of summits. Without ridgerunners, the dataset will be much smaller but still of value for trails planning and understanding hiker use patterns. We will use volunteers and ridgerunners to conduct these counts at three new intersections in 2014 and 2015.

Therefore, this report covers data collection in 2013 from the volunteer summit steward program (begun in 1995) and electronic trail counters located on the Gorham Mountain Trail, the Triad Trail (formerly Pemetic Mountain Trail), and the new Kebo Brook Trail near the Great Meadow Loop Trail.

## METHODS

### INTERSECTION COUNTS

The three intersections volunteers counted at were: 1. the junction of the Cadillac South Ridge and Canon Brook Trail (at the Featherbed, and hereafter referred to as Cadillac South Ridge Trail); 2. the junction of the Acadia Mountain, Man o War Brook, Valley Cove, and Valley Peak Trails (at the end what was once the Man o War Brook Road and referred to as the Man o War Brook Trail); and 3. the junction of the Asticou and Penobscot Mountain Trails (where the Penobscot Mountain Trail now starts and referred to as the Asticou Trail) (see Figure 1).

Volunteers hiked on their own schedule and made counts in July and August, with a few on September weekends. Counts were made only when the weather was sunny or cloudy. Rainy, drizzly, or very foggy days were avoided. All counts were made for three consecutive hours beginning at 11:00 a.m.

As with the summit counts we have previously conducted, we recorded the direction hikers “came from” and “went to” as they passed through the intersection (see Appendix 1 for data sheet). This gives a measure of total hiker traffic on a section of trail as well as the total number of hikers passing through the intersection. We did not record group size, but volunteers did record information about dogs on and off leash.

We did not try to sample hiking days randomly across the summer and sample sizes for each location are very limited. Thus, we must be very careful drawing conclusions from the information available. It best represents only the days hiked, and only begins to give a picture of hiking activity during good weather in the summer at these locations.

## **TRAIL COUNTERS**

We installed electronic trail counters (Diamond Traffic Products, TCS 4420) about 100-200 meters up three trails: the Gorham Mountain Trail (from the south trailhead), the Triad Trail (up from Intersection 17 on the carriage roads), and the new Kebo Brook Trail (up from Kebo Street) (Figure 1). Data was collected between May 1 and October 31 for all three sites. The UTM coordinates (Northing, Easting) for two of the three sites are: Gorham Mountain 4907414.794000, 564356.963000; and Triad 4907287.365000, 561000.257000.

These trail counters monitor hiker traffic passing in both directions on the trail, recording data hourly and storing it for later retrieval. A hand held “Data Hog” was used to download the hourly data from the trail counters. This data was then uploaded into a computer using Centurion Parks software from Diamond Traffic Products, and opened in Excel for analysis.

There are some unavoidable weather-related problems when using electronic trail counters. Rainy or foggy weather causes droplets to condense on the counter lenses and the reflector. When this occurs, the counter should stop counting. It usually does, but sometimes very high hourly counts are recorded during wet weather also. After checking weather records and relying on our knowledge of use of these trails, we deleted obvious overcounts. We will go into more detail about our protocols in the Data Analysis section of this report. Exceptionally windy weather can move the trees used to mount equipment and cause overcounts as well. This is much harder to pinpoint with weather records, but if it appears to be a significant problem we would move the trail counter site.

We did not validate hiker traffic at the trail counters. When we validated traffic at Gorham Mountain in 2009, the ratio of actual traffic to counter-recorded traffic was nearly 1 to 1 (Jacobi 2009). The Triad and Kebo Brook Trails receive such little use that validation would be very time consuming; we will assume based on the low traffic volume and the nature of the sites (on a steep incline, rough tread, or little opportunity for side by side traffic) that the counter captures almost all hiker traffic on close to a 1 to 1 basis.

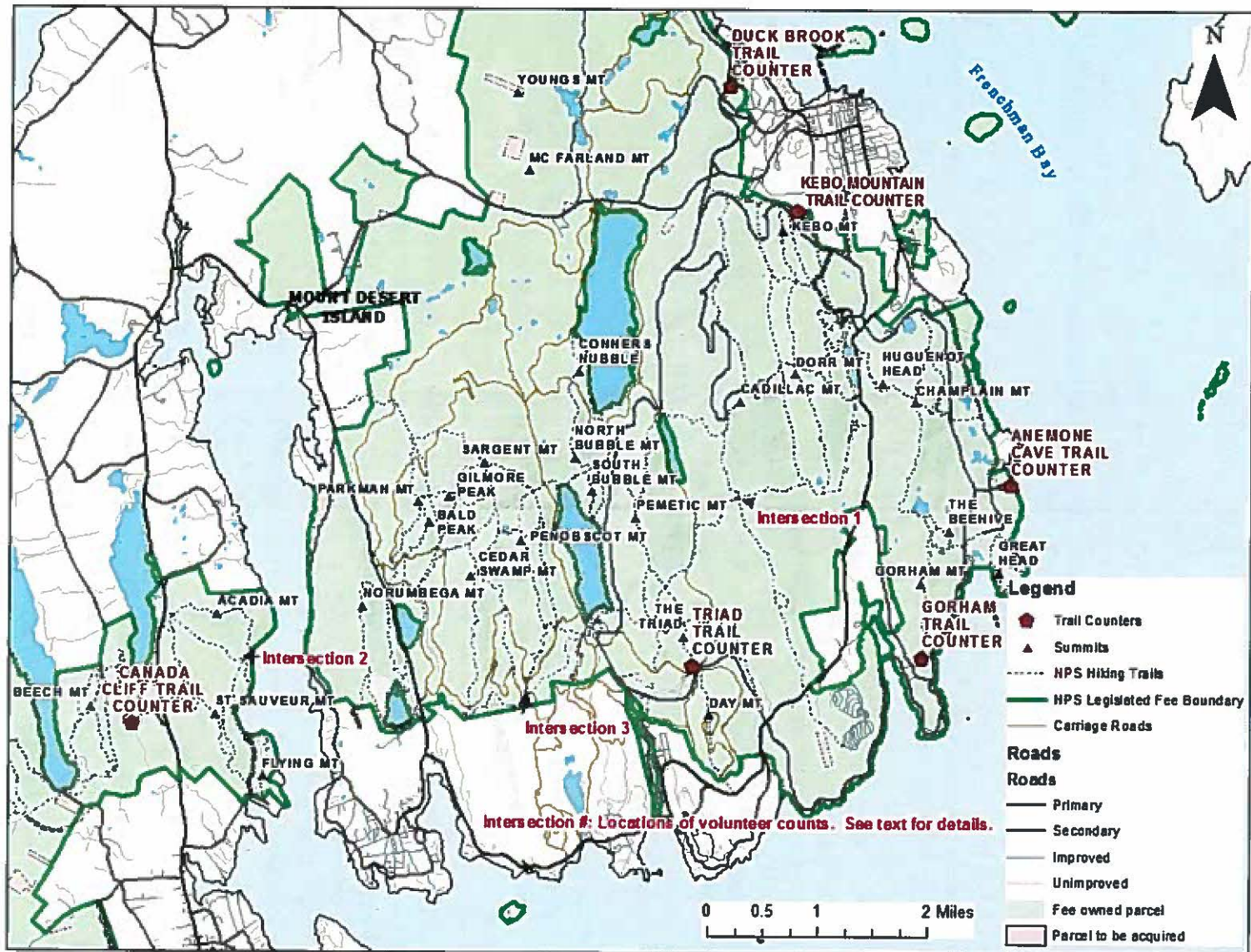


FIGURE 1: LOCATIONS OF INTERSECTION AND SUMMIT COUNTS, AND TRAIL COUNTERS, ACADIA NATIONAL PARK.

## DATA ANALYSIS

### Intersections

Data was entered into a Microsoft Excel spreadsheet statistical analysis. Because of the limited sample sizes, we did not conduct analyses beyond a few totals and simple means.

### Trail Counters

We eliminated hourly data from our analysis based on our local knowledge, inconsistencies with an overall view of the data for each site, and a check of weather records for rain/fog. Then we performed descriptive statistics on trail counter data (sums, means, and confidence intervals), using only the 15 hours from 6:00 a.m. to 9:00 p.m.

However, it has been a challenge to figure out how to address the rainy day data, whether it was higher than expected counts or a string of zeroes. For the past two years we incorrectly applied a 2/3 rule (to eliminate the entire day of data from analysis) to our data; instead of six hours of reliable counts (as for carriage roads) we should have used ten hours (2/3 of 15 hours). From here on we will apply the 2/3 rule at 10 hours for any combination of higher than expected counts *and* zeroes that is clearly the result of rainy weather. Thus, if we have only nine hours of reliable counts due to rain (meaning we eliminate six hours of data), we will eliminate all data for the entire day. For any days with unexplained high counts (not the result of rain but perhaps faulty equipment), we will make a judgment about whether to include this in our data set based on our experience. What this means is that the rainiest days will not be represented in our data, and that importantly, the mean daily use figures will reflect hiker use only for days with tolerable (or more typical) hiking conditions.

This protocol is even more of a challenge with our long-term site at the Triad, which has very low use (often many hours of zero hikers on even nice days), and but has worked incredibly well in the rain since inception, shutting down and recording mostly zeroes, with only occasional higher than expected counts. We'll do our best to apply this rule at this site with few exceptions.

For the Gorham Mountain counter we removed from analysis a total of 132 hours on 31 days. Of these hours, 17 cannot be explained by rain or fog. Six full days were removed from analysis (due to the 2/3 rule), two in May and July and one each in August and September. For the Triad counter we removed 219 hours on 23 days mostly because of rain/fog. Fourteen full days were removed from analysis because of the 2/3 rule, and for all of them, it was due to the counter correctly recording zeroes on rainy days. To be consistent with the other counter sites, we followed the rule described above and removed these days from analysis.

The Kebo Brook Trail Counter data was unusable. There were far too many excessively high counts and they were scattered throughout the hours of many days. During the summer, we were aware that the counter was recording high counts but not their distribution throughout the day. We only see the distribution when the data is downloaded. With other counters and sites, we have seen very high cumulative counts as we check the counter, but these have always been strongly associated with rain events and thus limited in their temporal scope. Clearly, there was a problem with our site selection or set up. We will pursue the Kebo Brook site again in the future.

Remember that trail counter data records hiker traffic in both directions, not the number of individual hikers using a trail.

## RESULTS

### INTERSECTION COUNTS

A summary of the data gathered by volunteers is shown in Table 1 (details in Appendix 2). There were 19 3-hour counts spread across the three intersection sites. For the Cadillac South Ridge Trail there were five counts in July and August and three on September weekends. For the Man o War Brook Trail there were four counts in July and August and one on a September weekend. For the Asticou Trail there were five counts in July and August and one on a September weekend. Most summer counts were in August rather than July.

TABLE 1: HIKER COUNT DATA AND DOG DATA FROM THREE TRAIL INTERSECTIONS IN ACADIA NATIONAL PARK IN 2013

| Measure                                           | South Ridge Cadillac | Asticou | Man o War Brook        | Total |
|---------------------------------------------------|----------------------|---------|------------------------|-------|
| # of Counts                                       | 8                    | 6       | 5                      | 19    |
| # of Hours Counted                                | 24                   | 18      | 15                     | 57    |
| Avg # Hikers/Hour <sup>1</sup>                    | 47.3                 | 10.4    | 34.4                   | NA    |
| Peak # Hikers/Hour <sup>1</sup>                   | 228                  | 66      | 168                    | NA    |
| Dogs Off Leash                                    | 10                   | 3       | 12                     | 25    |
| Dogs On Leash                                     | 38                   | 19      | 15                     | 72    |
| 1. These refer to individual hikers, not traffic. |                      |         |                        |       |
|                                                   |                      |         | Dogs Off Leash/Hour    | 0.44  |
|                                                   |                      |         | Dogs off Leash Percent | 26%   |
|                                                   |                      |         | Dogs On Leash Percent  | 72%   |

It was no surprise to see that Cadillac South Ridge Trail was the most popular of the three intersections, with 47.3 individual hikers per hour, followed by the Man o War Brook Trail with 34.4 and the Asticou Trail with 10.4. Previous summit counts on Acadia Mountain show that about 20-24 hikers arrived at the summit per hour during the same time period. This is consistent with the 34.4 hikers through the Man o War Brook Trail intersection in 2013.

For the Cadillac South Ridge Trail (intersection), the vast majority of traffic was north and south on the Cadillac South Ridge Trail. Few used the Canon Brook Trail to the east or the west, and of those that did, more used the trail east down the brook. For the Asticou Trail (intersection), the majority of traffic was east and west on the Asticou Trail, with somewhat more traffic to and from the Jordan Pond House (east). Few used the Penobscot Mountain Trail, and of those that did most were ascending. For the Man o War Brook Trail (intersection), the vast majority of traffic was making a loop on the Acadia Mountain and Man o War Brook Trails and hiking Acadia Mountain first. Few used the Valley Cove or Valley Peak Trails to the south.

The number of dogs off leash per hour is a statistic we have tracked with our summit counts in the past. For all three intersections together, there were 0.44 dogs off leash per hour of observation. This is very high compared to our summit count data which is shown in Table 2. In summit counts we also lumped several sites together for this statistic. The outlier site in 2013 is the Man o War Brook Trail intersection where 44% of dogs (12/27) were observed off leash at

the intersection. A check of summit count data for Acadia Mountain alone at four different times in the past showed a wide range in the percentages of dogs off leash at the summit (2002-2003: 42%; 2007: 25%; 2009: 0.09%; 2012: 18%). We do not have an explanation for this unless this loop hike was used by more local and summer residents in 2013.

**TABLE 2: PERCENT OF DOGS OFF LEASH AND DOGS ON LEASH, AND DOGS OFF LEASH PER HOUR IN ACADIA NATIONAL PARK BY LOCATION FOR 1997 – 2012<sup>1</sup>**

| Years     | Summit Locations                               | # of Observation Hours | Dogs off Leash | Dogs on Leash | Dogs off Leash per Hour of Observation |
|-----------|------------------------------------------------|------------------------|----------------|---------------|----------------------------------------|
| 1997-1998 | Beech, Dorr, Gorham, Sargent + other summits   | 139                    | 62% (n=42)     | 38% (n=26)    | 0.302                                  |
| 1999-2000 | Acadia, Beech, Gorham, Sargent + other summits | 105                    | 47% (n=34)     | 53% (n=39)    | 0.324                                  |
| 2001      | Acadia Beech Gorham Sargent + other summits    | 114                    | 39% (n=42)     | 61% (n=65)    | 0.368                                  |
| 2002-2003 | Acadia, Champlain, Penobscot, Pemetic, Sargent | 229                    | 46% (n=73)     | 54% (n=86)    | 0.319                                  |
| 2004-2005 | Beech, Dorr, Gorham, Sargent                   | 274                    | 29% (n=67)     | 71% (n=165)   | 0.244                                  |
| 2006-2007 | Acadia, Champlain, Penobscot, Pemetic, Sargent | 284                    | 28% (n=44)     | 72% (n=113)   | 0.155                                  |
| 2008      | Great Notch, Norumbega, Sargent                | 146                    | 61% (n=46)     | 38% (n=29)    | 0.315                                  |
| 2009      | Acadia, Dorr, South Bubble                     | 131                    | 13% (n=12)     | 87% (n=82)    | 0.091                                  |
| 2010      | Beech, Norumbega, Pemetic                      | 172                    | 33% (n=43)     | 67% (n=88)    | 0.250                                  |
| 2011      | Beehive, Sargent, Great Notch                  | 165                    | 49% (54)       | 51% (57)      | 0.33                                   |
| 2012      | Acadia, Dorr, South Bubble                     | 167                    | 22% (43)       | 78% (153)     | 0.26                                   |

1. In 2004, we began counting dogs only during our time on the summit instead of entire hike.

## TRAIL COUNTERS

As mentioned in the Methods section, interpretation of data from these trail counters is complicated by rain and fog and the necessity of applying quality control measures based on our familiarity with visitor use of these sites. This is especially true of the Gorham Mountain site where we have had to remove a considerable amount of suspect data every year. Nonetheless, the data show some degree of consistency from year to year as well as some unusual and unexplained variation, which may also simply be natural variation. Rainy or foggy weather or wind is likely a major contributor to the variation.

Tables 3 and 4 show trail counter statistics for the Gorham Mountain Trail and the Triad Trail by month (for details, see Appendix 3).

Between May 1 and October 31, 2013, the Gorham Mountain Trail counter recorded a traffic count of 58,561, which is similar to the previous three years but still substantially above 2008 and 2009. August 2013 was the busiest August by a considerable amount, with mean traffic of 657 +/- 70 and a total traffic count of nearly 20,000. The busiest days were August 7, July 24, and August 15 with traffic counts of 1,001, 931, and 908 respectively. There were six other days in August and two in July with traffic counts greater than 800. Many of the busiest days in July and August on the Gorham Mountain Trail matched up with the busiest days on the carriage roads (see Jacobi 2014) and the Sand Beach and Paradise Hill Road traffic counters (park files).

There was no evidence of any effect from the sequester in April and May, probably because the Ocean Drive was still open to traffic. The October shut down however is evident in Gorham Mountain Trail traffic data for October, where traffic dropped about 2,000 from most other years. The Ocean Drive was closed from October 1 – 16.

In contrast to the heavily used Gorham Mountain Trail, the Triad Trail counter recorded a count of 2,222 from May 1 – October 31, 2013 (Table 4), which was similar to 2010 and 2011. Mean daily traffic in August was 24 +/-5, most similar to traffic in 2010. August 11, 2013 was the busiest day on the Triad Trail with traffic of 65, but there were no good correlations with other measures of park use. Based on the six years of data, peak traffic volume is about 50 – 60 in July or August and the highest monthly mean daily use is about 20 - 25 in August.

There was no evidence of any effect from the sequester in April and May probably because the Jordan Pond Road was still open to traffic. However the October shut down was evident in Triad Trail traffic data for October, which dropped enough from most other years to be noticeable.

Figures 2 and 3 show the Mean Daily Traffic Counter Counts at the Gorham Mountain and Triad Trails by month for six years with 95% confidence intervals. The confidence intervals are relatively wide, probably because weather has such a dampening effect on use, but also, for May and October, because major holiday weekends with high use are included with lower use weekdays 2-3 weeks earlier or later in the season.

The following confidence intervals are non-overlapping for Gorham Mountain: June 2009 vs. June 2012; September 2008 vs. September 2011; August 2013 vs. August 2008 and August 2009; September 2013 vs. September 2008; and October 2013 vs. October 2008. This last one is the result of the decrease in use from the shutdown.

The following confidence intervals are non-overlapping for the Triad: June 2008 vs. June 2010; August 2008 vs. August 2013; September 2008 vs. September 2011, 2012, and 2013.

**TABLE 3: MONTHLY TRAIL COUNTER STATISTICS FOR THE GORHAM MOUNTAIN TRAIL,  
ACADIA NATIONAL PARK 2008 – 2013.**

| 2008                                                              |                         |           |                | 2009              |            |                   |
|-------------------------------------------------------------------|-------------------------|-----------|----------------|-------------------|------------|-------------------|
| Month                                                             | Mean<br>+/-95% CI       | Range     | Total<br>Count | Mean<br>+/-95% CI | Range      | Total<br>Count    |
| May                                                               | 92 +/- 35               | 15 - 506  | 2853           | 101 +/- 33        | 0 - 372    | 3136              |
| June                                                              | 227 +/- 43              | 48 - 625  | 6796           | 201 +/- 40        | 30 - 344   | 5636 <sup>1</sup> |
| July                                                              | 457 +/- 43              | 160 - 696 | 14161          | 437 +/- 58        | 121 - 784  | 13572             |
| August                                                            | 502 +/- 68              | 110 - 889 | 15564          | 524 +/- 61        | 41 - 866   | 16257             |
| September                                                         | 207 +/- 26              | 33 - 349  | 6004           | 267 +/- 35        | 116 - 585  | 8001              |
| October                                                           | 243 +/- 85 <sup>2</sup> | 80 - 633  | 3402           | 166 +/- 47        | 17 - 597   | 5159              |
| Total                                                             | --                      | --        | 48780          | --                | --         | 51761             |
| 1. Two days missing in June. 2. Data collection only Oct. 1 – 14. |                         |           |                |                   |            |                   |
| 2010                                                              |                         |           |                | 2011              |            |                   |
| Month                                                             | Mean<br>+/-95% CI       | Range     | Total<br>Count | Mean<br>+/-95% CI | Range      | Total<br>Count    |
| May                                                               | 126 +/- 42              | 13 - 534  | 3895           | 120 +/- 52        | 0 - 437    | 2637              |
| June                                                              | 241 +/- 54              | 7 - 568   | 7216           | 286 +/- 63        | 47 - 686   | 8007              |
| July                                                              | 466 +/- 56              | 35 - 755  | 14438          | 531 +/- 52        | 298 - 833  | 16463             |
| August                                                            | 589 +/- 67              | 248 - 906 | 18270          | 563 +/- 92        | 2 - 1118   | 16884             |
| September                                                         | 266 +/- 47              | 61 - 733  | 7982           | 309 +/- 60        | 87 - 722   | 9256              |
| October                                                           | 182 +/- 56              | 0 - 606   | 5635           | 177 +/- 69        | 0 - 723    | 4942              |
| Total                                                             | --                      | --        | 57436          | --                | --         | 58189             |
| 2012                                                              |                         |           |                | 2013              |            |                   |
| Month                                                             | Mean<br>+/-95% CI       | Range     | Total<br>Count | Mean<br>+/-95% CI | Range      | Total<br>Count    |
| May                                                               | 156 +/- 77              | 0 - 706   | 3582           | 120 +/- 39        | 12 - 421   | 3479              |
| June                                                              | 289 +/- 45              | 46 - 462  | 8661           | 270 +/- 49        | 17 - 520   | 8104              |
| July                                                              | 499 +/- 61              | 72 - 739  | 14472          | 522 +/- 70        | 84 - 931   | 15127             |
| August                                                            | 583 +/- 68              | 0 - 887   | 17475          | 657 +/- 70        | 171 - 1001 | 19724             |
| September                                                         | 257 +/- 51              | 0 - 555   | 7193           | 303 +/- 42        | 60 - 626   | 8776              |
| October                                                           | 177 +/- 51              | 0 - 633   | 5480           | 108 +/- 18        | 29 - 279   | 3351              |
| Total                                                             | --                      | --        | 56863          | --                | --         | 58561             |

**TABLE 4: MONTHLY TRAIL COUNTER STATISTICS FOR THE TRIAD TRAIL,  
ACADIA NATIONAL PARK 2008 – 2013.**

| 2008                                                                                                                                                                                 |                   |        |                  | 2009              |        |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------|------------------|-------------------|--------|----------------|
| Month                                                                                                                                                                                | Mean<br>+/-95% CI | Range  | Total<br>Count   | Mean<br>+/-95% CI | Range  | Total<br>Count |
| May                                                                                                                                                                                  | 5 +/- 2           | 0 - 17 | 149 <sup>1</sup> | 6 +/- 3           | 0 - 29 | 136            |
| June                                                                                                                                                                                 | 5 +/- 2           | 0 - 12 | 87 <sup>2</sup>  | 7 +/- 2           | 0 - 23 | 219            |
| July                                                                                                                                                                                 | 10 +/- 3          | 0 - 28 | 314              | 16 +/- 5          | 0 - 66 | 511            |
| August                                                                                                                                                                               | 14 +/- 4          | 0 - 37 | 426              | 16 +/- 3          | 0 - 37 | 491            |
| September                                                                                                                                                                            | 6 +/- 2           | 0 - 23 | 169 <sup>3</sup> | 9 +/- 3           | 0 - 36 | 272            |
| October                                                                                                                                                                              | 11 +/- 6          | 0 - 33 | 159              | 6 +/- 3           | 0 - 28 | 188            |
| Total                                                                                                                                                                                | --                | --     | 1304             | --                | --     | 1817           |
| 1. Data collection started May 11. 2. Two weeks missing in June. 3. We discovered an error in the 2008 report--the monthly total traffic at the Triad for September was 169, not 30. |                   |        |                  |                   |        |                |
| 2010                                                                                                                                                                                 |                   |        |                  | 2011              |        |                |
| Month                                                                                                                                                                                | Mean<br>+/-95% CI | Range  | Total<br>Count   | Mean<br>+/-95% CI | Range  | Total<br>Count |
| May                                                                                                                                                                                  | 5 +/- 2           | 0 - 29 | 152              | 8 +/- 4           | 0 - 30 | 176            |
| June                                                                                                                                                                                 | 12 +/- 4          | 0 - 38 | 345              | 9 +/- 3           | 0 - 36 | 250            |
| July                                                                                                                                                                                 | 17 +/- 4          | 0 - 49 | 520              | 18 +/- 5          | 1 - 46 | 572            |
| August                                                                                                                                                                               | 22 +/- 5          | 0 - 61 | 697              | 20 +/- 6          | 0 - 60 | 613            |
| September                                                                                                                                                                            | 12 +/- 4          | 0 - 40 | 368              | 13 +/- 4          | 1 - 40 | 388            |
| October                                                                                                                                                                              | 7 +/- 3           | 0 - 33 | 217              | 9 +/- 3           | 0 - 32 | 272            |
| Total                                                                                                                                                                                | --                | --     | 2299             | --                | --     | 2271           |
| 2012                                                                                                                                                                                 |                   |        |                  | 2013              |        |                |
| Month                                                                                                                                                                                | Mean<br>+/-95% CI | Range  | Total<br>Count   | Mean<br>+/-95% CI | Range  | Total<br>Count |
| May                                                                                                                                                                                  | 6 +/- 3           | 0 - 36 | 199              | 7 +/- 3           | 0 - 24 | 188            |
| June                                                                                                                                                                                 | 8 +/- 2           | 0 - 20 | 231              | 9 +/- 3           | 0 - 27 | 265            |
| July                                                                                                                                                                                 | 15 +/- 3          | 2 - 37 | 468              | 16 +/- 4          | 1 - 38 | 469            |
| August                                                                                                                                                                               | 20 +/- 4          | 0 - 41 | 633              | 24 +/- 5          | 4 - 65 | 695            |
| September                                                                                                                                                                            | 13 +/- 4          | 0 - 39 | 381              | 16 +/- 3          | 5 - 33 | 419            |
| October                                                                                                                                                                              | 8 +/- 3           | 0 - 38 | 240              | 6 +/- 2           | 0 - 18 | 186            |
| Total                                                                                                                                                                                | --                | --     | 2152             | --                | --     | 2222           |

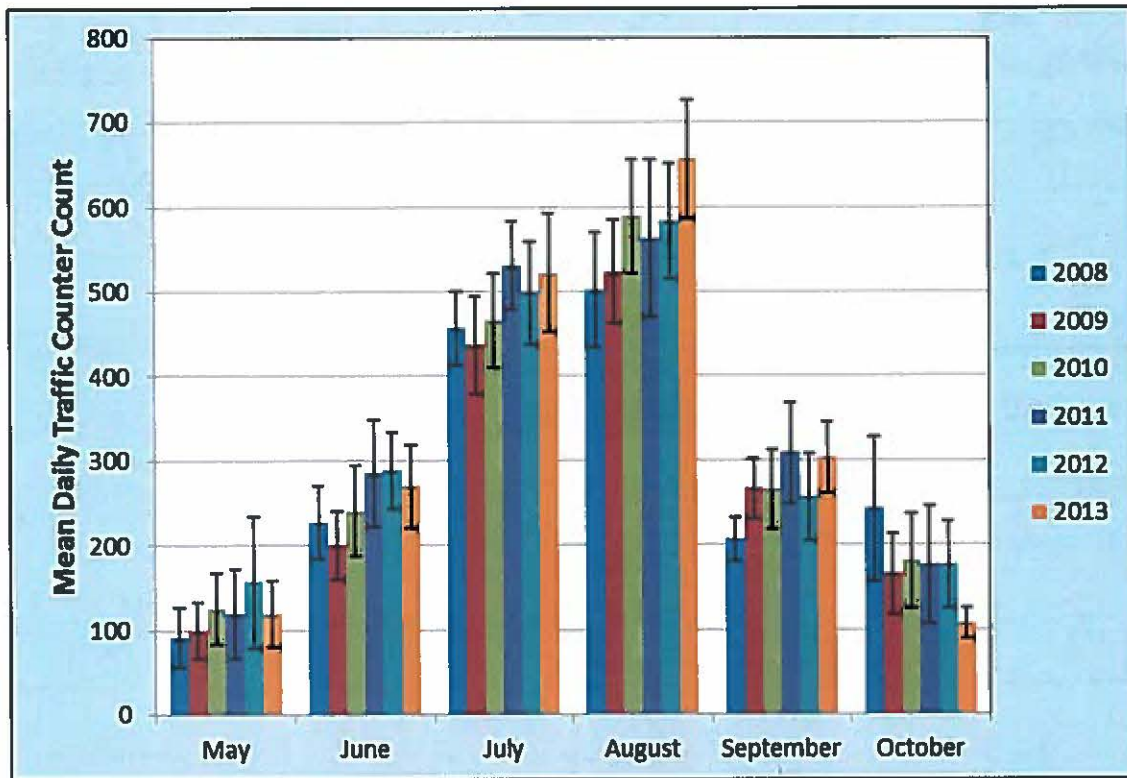


**FIGURE 2: MEAN DAILY TRAFFIC COUNTER COUNT BY MONTH AT THE GORHAM MOUNTAIN TRAIL WITH 95% CONFIDENCE INTERVALS, 2008 - 2013.**

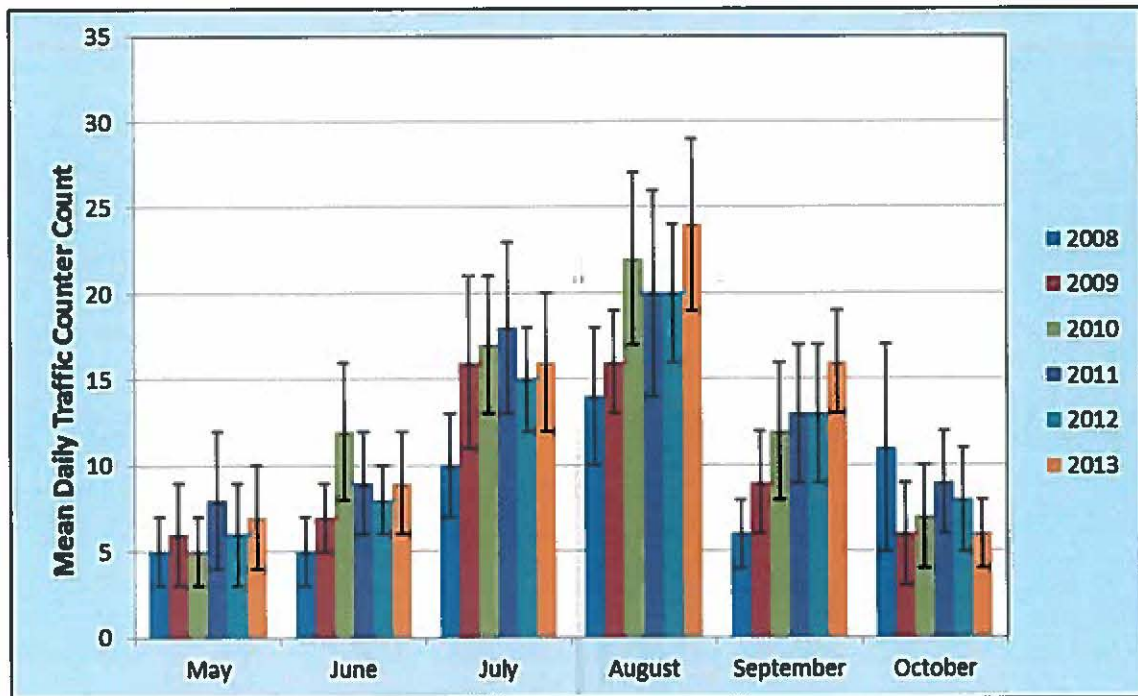


**FIGURE 3: MEAN DAILY TRAFFIC COUNTER COUNT BY MONTH AT THE TRIAD TRAIL WITH 95% CONFIDENCE INTERVALS, 2008 - 2013.**

## **SUMMARY AND DISCUSSION**

The data collected under these programs is not as rigorous as we would like because we were unable to sample our intersection count days in a completely random manner and have a limited sample size for them, and we are also unable to validate trail counter use thoroughly. Therefore, caution should be used in drawing conclusions about trends in hiker use. Nonetheless, over time, we are building a database that is of some use now and in the future, and we will continue to tighten our data collection techniques. Data described here is consistent with previous data from trail censuses (Chase and Jacobi 2000, Jacobi 2003b, Jacobi 2002, Jacobi 2001b, Jacobi 2001c), and trail counters and summit counts (Jacobi 2013, Jacobi 2011, Jacobi 2010, Jacobi 2008, Jacobi 2007a, Jacobi 2006, Jacobi 2003a, Jacobi 2002, Jacobi 2001a, Jacobi 1999, Jacobi 1997).

### **Intersection Counts.**

The magnitude of intersection count data was consistent with our expectations for the three sites. The average dogs off leash per hour statistic for the three intersections was higher than those collected on previous summit counts where we lumped data together for multiple summits. The Man o War Brook Trail intersection was the outlier causing this. Digging down into previous data, we found that the Acadia Mountain summit had a similar rate one season out of the four for which we collected data. There was no obvious explanation.

### **Trail Counter Trends.**

A visual inspection of the graphs suggests increasing use in most months for Gorham Mountain and some months for the Triad. Nonoverlapping confidence intervals also suggest that use may have increased in those instances. The problems with rain and wind at these sites, especially Gorham Mountain, also suggest caution in data interpretation however. As this dataset grows we will learn more about trends.

### **Diversity of Experiences.**

Our trail counter monitoring shows that the difference between high and low use trails in the park (Gorham Mountain vs. Triad) can be very wide. In the same way, based on hourly means, intersection counts on South Ridge Cadillac, Man o War Brook, and Asticou Trails illustrate very different trail experiences. Preserving this type of diversity was a major goal of the hiking trails plan (NPS 2002).

In 2014, we will use ridgerunners and volunteers to count at three more intersections. With more counts from each intersection, we will have more confidence in the resulting data.

## REFERENCES

- Chase, G. and C. Jacobi  
2000 A census of hiking trail use in Acadia National Park, August 3 and 4, 1999. Acadia National Park Natural Resources Report 2000-02. February. 8pp.
- Jacobi, C.  
2014 Monitoring visitor capacity for Acadia National Park carriage roads 2013, crowding and behaviors. Acadia National Park Resources Report 2014-1. January 47pp.
- Jacobi, C.  
2013 Hiker use of selected summits and trails in Acadia National Park, 2012. Acadia National Park Natural Resources Report 2013-2. March. 38pp.
- Jacobi, C.  
2012 Hiker use of selected summits and trails in Acadia National Park, 2011. Acadia National Park Natural Resources Report 2012-2. April. 43pp.
- Jacobi, C.  
2011 Hiker use of selected summits and trails in Acadia National Park, 2010. Acadia National Park Natural Resources Report 2011-2. April. 37pp.
- Jacobi, C.  
2010 Hiker use of selected summits and trails in Acadia National Park, 2009. Acadia National Park Natural Resources Report 2010-3. January. 30pp.
- Jacobi, C.  
2008 Hiker use of selected summits and trails in Acadia National Park, 2008. Acadia National Park Natural Resources Report 2008-4. December. 37pp.
- Jacobi, C.  
2007 Hiker use of mountain summits in Acadia National Park, 2006 and 2007. Acadia National Park Natural Resources Report 2007-4. February. 40pp.
- Jacobi, C.  
2006 Hiker use of mountain summits in Acadia National Park, 2004 and 2005. Acadia National Park Natural Resources Report 2006-3. February. 23pp.
- Jacobi, C.  
2003a Hiker use of mountain summits in Acadia National Park, 2002 and 2003. Acadia National Park Natural Resources Report 2003-15. December. 30pp.
- Jacobi, C.  
2003b A census of hiking trail use in Acadia National Park, August 5 and 6, 2003. Acadia National Park Natural Resources Report 2003-10. October. 14pp.

Jacobi, C.

2002 A census of hiking trail use in Acadia National Park, August 6 and 7, 2002. Acadia National Park Natural Resources Report 2002-07. October. 12 pp.

---

Jacobi, C.

2001a Hiker use of mountain summits in Acadia National Park, 1999, 2000, and 2001. Acadia National Park Natural Resources Report 2001-08. 10pp.

Jacobi, C.

2001b A census of hiking trail use in Acadia National Park, August 7 and 8, 2001. Acadia National Park Natural Resources Report 2001-10. December. 10 pp.

Jacobi, C.

2001c A census of hiking trail use in Acadia National Park, August 1 and 3, 2000. Acadia National Park Natural Resources Report 2001-02. February. 8pp.

Jacobi, C.

1999 Hiker use of mountain summits in Acadia National Park, 1997-1998. Acadia National Park Natural Resources Report 99-02. 32pp.

Jacobi, C.

1997 Hiker use of six mountain summits in Acadia National Park, 1995-1996. Acadia National Park Natural Resources Report 97-02. January. 17pp.

Manni, M. F., Littlejohn, M., and S. J. Hollinghorst

2010 Acadia National Park visitor study: summer 2009. Visitor Services Project Report 221. June 2010. Park Studies Unit, University of Idaho.

National Park Service

2002 Hiking trails management plan. U.S. Department of the Interior. National Park Service. Acadia National Park. 56pp.

## APPENDIX 1: VOLUNTEER INTERSECTION COUNT DATA SHEETS

### Guidelines

- Please make counts from the intersection for three consecutive hours beginning at 11:00 a.m..
- **Do not count hikers arriving before or after your three hour block!**
- Please record the direction hikers are **coming from** and **going to**, with your specific location as the reference point. That is, we are counting each hiker twice as they pass by us.
- Count children only if they are under their own power. Count any rangers or volunteers that enter in uniform. Any large groups (10 or more), make note at bottom of data sheet.
- **Record dogs on/off only while at intersection!**
- Record data legibly.

Volunteers make counts on a **good weather hiking day** at your convenience. Summer and spring and fall weekends are preferred. Ridgerunners follow a schedule that will be adjusted as weather intervenes.

| Name          |                                 | Date                             | Location<br>Featherbed |                        |
|---------------|---------------------------------|----------------------------------|------------------------|------------------------|
| Direction     | Cadillac SR –<br>North (summit) | Cadillac SR Tr –<br>South (Rt 3) | Canon Br Tr -<br>East  | Canon Brk Tr -<br>West |
| Coming from   |                                 |                                  |                        |                        |
| Going to      |                                 |                                  |                        |                        |
| Total Traffic |                                 |                                  |                        |                        |

Notes:

## APPENDIX 1: VOLUNTEER INTERSECTION COUNT DATA SHEETS (CONT.)

### Trail Census Instructions and Data Sheet

#### Guidelines

- Please make counts from the intersection for three consecutive hours beginning at 11:00 a.m..
- **Do not count hikers arriving before or after your three hour block!**
- Please record the direction hikers are **coming from** and **going to**, with your specific location as the reference point. That is, we are counting each hiker twice as they pass by us.
- Count children only if they are under their own power. Count any rangers or volunteers that enter in uniform. Any large groups (10 or more), make note at bottom of data sheet.
- **Record dogs on/off only while at intersection!**
- Record data legibly.

Volunteers make counts on a **good weather hiking day** at your convenience. Summer and spring and fall weekends are preferred. Ridgerunners follow a schedule that will be adjusted as weather intervenes.

|                          |                               |                      |                                                                                           |                       |
|--------------------------|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|-----------------------|
| <b>Name</b>              |                               | <b>Date</b>          | <b>Location</b><br>Jct Man o War Brook, Acadia Mtn,<br>Valley Cove and Valley Peak Trails |                       |
| <b>Direction</b>         | <b>Man O War<br/>Brook Tr</b> | <b>Acadia Mtn Tr</b> | <b>Valley Cove Tr)</b>                                                                    | <b>Valley Peak Tr</b> |
| <b>Coming<br/>from</b>   |                               |                      |                                                                                           |                       |
| <b>Going to</b>          |                               |                      |                                                                                           |                       |
| <b>Total<br/>Traffic</b> |                               |                      |                                                                                           |                       |

**Notes:**

## APPENDIX 1: VOLUNTEER INTERSECTION COUNT DATA (CONT.)

### Trail Census Instructions and Data Sheet

#### Guidelines

- Please make counts from the intersection for three consecutive hours beginning at 11:00 a.m..
- **Do not count hikers arriving before or after your three hour block!**
- Please record the direction hikers are **coming from** and **going to**, with your specific location as the reference point. That is, we are counting each hiker twice as they pass by us.
- Count children only if they are under their own power. Count any rangers or volunteers that enter in uniform. Any large groups (10 or more), make note at bottom of data sheet.
- **Record dogs on/off only while at intersection!**
- Record data legibly.

Volunteers make counts on a **good weather hiking day** at your convenience. Summer and spring and fall weekends are preferred. Ridgerunners follow a schedule that will be adjusted as weather intervenes.

|                      |                                        |                                                |                                                                                 |  |
|----------------------|----------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------|--|
| <b>Name</b>          |                                        | <b>Date</b>                                    | <b>Location</b><br><b>Jct Asticou Jordan Pond and Penobscot Mountain Trails</b> |  |
| <b>Direction</b>     | <b>Asticou Jordan Pond – East (JP)</b> | <b>Asticou Jordan Pond Tr - West (Asticou)</b> | <b>Penobscot Mountain Trail</b>                                                 |  |
| <b>Coming from</b>   |                                        |                                                |                                                                                 |  |
| <b>Going to</b>      |                                        |                                                |                                                                                 |  |
| <b>Total Traffic</b> |                                        |                                                |                                                                                 |  |

**Notes:**

## APPENDIX 2: VOLUNTEER INTERSECTION COUNT DATA AND STATISTICAL ANALYSES

| Asticou-JP Trail Jct All Counts 11a - 2p    |                    |                    |                |              |                 |                |
|---------------------------------------------|--------------------|--------------------|----------------|--------------|-----------------|----------------|
| <b>7/15/2013</b>                            | <b>Ast-JP East</b> | <b>Ast-JP West</b> | <b>Pen Mtn</b> | <b>Total</b> | <b>Dogs Off</b> | <b>Dogs On</b> |
| Coming from                                 | 18                 | 20                 | 0              | 38           | 0               | 2              |
| Going to                                    | 22                 | 8                  | 8              | 38           |                 |                |
| Total                                       | 40                 | 28                 | 8              | 76           |                 |                |
| <b>8/12/2013</b>                            | <b>Ast-JP East</b> | <b>Ast-JP West</b> | <b>Pen Mtn</b> | <b>Total</b> | <b>Dogs Off</b> | <b>Dogs On</b> |
| Coming from                                 | 32                 | 30                 | 4              | 66           | 3               | 5              |
| Going to                                    | 30                 | 28                 | 8              | 66           |                 |                |
| Total                                       | 62                 | 58                 | 12             | 132          |                 |                |
| <b>8/24/2013</b>                            | <b>Ast-JP East</b> | <b>Ast-JP West</b> | <b>Pen Mtn</b> | <b>Total</b> | <b>Dogs Off</b> | <b>Dogs On</b> |
| Coming from                                 | 24                 | 7                  | 5              | 36           |                 | 9              |
| Going to                                    | 12                 | 19                 | 5              | 36           | Sun             |                |
| Total                                       | 36                 | 26                 | 10             | 72           |                 |                |
| Same group of 5 went through 3x             |                    |                    |                |              |                 |                |
| <b>8/26/2013</b>                            | <b>Ast-JP East</b> | <b>Ast-JP West</b> | <b>Pen Mtn</b> | <b>Total</b> | <b>Dogs Off</b> | <b>Dogs On</b> |
| Coming from                                 | 8                  | 6                  | 0              | 14           |                 | 1              |
| Going to                                    | 8                  | 4                  | 2              | 14           | CldRny          |                |
| Total                                       | 16                 | 10                 | 2              | 28           |                 |                |
| <b>8/30/2013</b>                            | <b>Ast-JP East</b> | <b>Ast-JP West</b> | <b>Pen Mtn</b> | <b>Total</b> | <b>Dogs Off</b> | <b>Dogs On</b> |
| Coming from                                 | 10                 | 5                  | 0              | 15           |                 |                |
| Going to                                    | 7                  | 8                  | 0              | 15           |                 |                |
| Total                                       | 17                 | 13                 | 0              | 30           |                 |                |
| <b>9/29/2013</b>                            | <b>Ast-JP East</b> | <b>Ast-JP West</b> | <b>Pen Mtn</b> | <b>Total</b> | <b>Dogs Off</b> | <b>Dogs On</b> |
| Coming from                                 | 8                  | 8                  | 2              | 18           |                 | 2              |
| Going to                                    | 11                 | 5                  | 2              | 18           |                 |                |
| Total                                       | 19                 | 13                 | 4              | 36           |                 |                |
| <b>Grand Totals</b>                         | <b>Ast-JP East</b> | <b>Ast-JP West</b> | <b>Pen Mtn</b> | <b>Total</b> | <b>Dogs Off</b> | <b>Dogs On</b> |
| Coming from                                 | 100                | 76                 | 11             | 187          | 3               | 19             |
| Going to                                    | 90                 | 72                 | 25             | 187          |                 |                |
| Total Traffic                               | 190                | 148                | 36             | 374          |                 |                |
| <b>Average Traffic</b>                      | <b>10.56</b>       | <b>8.22</b>        | <b>2.00</b>    | <b>20.78</b> |                 |                |
| <b>Per Hour on this trail (N=18)</b>        |                    |                    |                |              |                 |                |
| <b>Average Hikers</b>                       |                    |                    |                | <b>10.39</b> |                 |                |
| <b>Per Hour through intersection (n=18)</b> |                    |                    |                |              |                 |                |

## APPENDIX 2: VOLUNTEER INTERSECTION COUNT DATA AND STATISTICAL ANALYSES (CONT.)

| Featherbed                    | All Counts 11a - 2p |       |           |           |       |           |         |
|-------------------------------|---------------------|-------|-----------|-----------|-------|-----------|---------|
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk | Total | Dogs Off  | Dogs On |
| <b>7/14/2013</b>              | North               | South | East      | West      |       |           |         |
| Coming from                   | 49                  | 41    | 7         | 0         | 97    | 1         | 2       |
| Going to                      | 36                  | 47    | 12        | 2         | 97    | Sun       |         |
| Total                         | 85                  | 88    | 19        | 2         | 194   |           |         |
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk |       |           |         |
| <b>8/11/2013</b>              | North               | South | East      | West      | Total | Dogs Off  | Dogs On |
| Coming from                   | 115                 | 92    | 21        | 0         | 228   | 0         | 7       |
| Going to                      | 99                  | 105   | 9         | 15        | 228   | Sun       |         |
| Total                         | 214                 | 197   | 30        | 15        | 456   |           |         |
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk |       |           |         |
| <b>8/18/2013</b>              | North               | South | East      | West      | Total | Dogs Off  | Dogs On |
| Coming from                   | 58                  | 75    | 6         | 2         | 141   | 1         | 8       |
| Going to                      | 73                  | 47    | 15        | 6         | 141   | Sun       |         |
| Total                         | 131                 | 122   | 21        | 8         | 282   | scouts 16 |         |
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk |       |           |         |
| <b>8/25/2013</b>              | North               | South | East      | West      | Total | Dogs Off  | Dogs On |
| Coming from                   | 75                  | 65    | 12        | 8         | 160   | 2         | 6       |
| Going to                      | 69                  | 70    | 7         | 14        | 160   | Sun       |         |
| Total                         | 144                 | 135   | 19        | 22        | 320   |           |         |
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk |       |           |         |
| <b>8/31/2013</b>              | North               | South | East      | West      | Total | Dogs Off  | Dogs On |
| Coming from                   | 73                  | 75    | 1         | 4         | 153   | 1         | 3       |
| Going to                      | 73                  | 57    | 16        | 7         | 153   | Cld-Sun   |         |
| Total                         | 146                 | 132   | 17        | 11        | 306   |           |         |
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk |       |           |         |
| <b>9/7/2013</b>               | North               | South | East      | West      | Total | Dogs Off  | Dogs On |
| Coming from                   | 62                  | 43    | 13        | 9         | 127   | 2         | 3       |
| Going to                      | 56                  | 49    | 11        | 11        | 127   |           |         |
| Total                         | 118                 | 92    | 24        | 20        | 254   |           |         |
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk |       |           |         |
| <b>9/15/2013</b>              | North               | South | East      | West      | Total | Dogs Off  | Dogs On |
| Coming from                   | 36                  | 58    | 4         | 4         | 102   | 2         | 7       |
| Going to                      | 57                  | 36    | 8         | 1         | 102   | Sun       |         |
| Total                         | 93                  | 94    | 12        | 5         | 204   |           |         |
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk |       |           |         |
| <b>9/28/2013</b>              | North               | South | East      | West      | Total | Dogs Off  | Dogs On |
| Coming from                   | 44                  | 72    | 4         | 6         | 126   | 1         | 2       |
| Going to                      | 66                  | 44    | 6         | 10        | 126   | Sun       |         |
| Total                         | 110                 | 116   | 10        | 16        | 252   |           |         |
|                               | Cad SR              | CadSR | Canon Brk | Canon Brk |       |           |         |
| <b>Grand Totals</b>           | North               | South | East      | West      | Total | Dogs Off  | Dogs On |
| Coming from                   | 512                 | 521   | 68        | 33        | 1134  | 10        | 38      |
| Going to                      | 529                 | 455   | 84        | 66        | 1134  |           |         |
| Total Traffic                 | 1041                | 976   | 152       | 99        | 2268  |           |         |
| <b>Average Traffic</b>        | 43.38               | 40.67 | 6.33      | 4.13      | 94.50 |           |         |
| Per Hour on this trail (N=24) |                     |       |           |           |       |           |         |

Average Hikers

47.25

Per Hour through intersection (n=24)

## APPENDIX 2: VOLUNTEER INTERSECTION COUNT DATA

## AND STATISTICAL ANALYSES (CONT.)

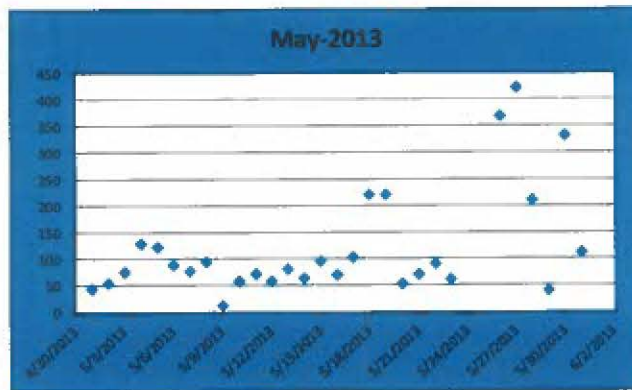
| End of Man O War Brook Trail                |       | All Counts 11a - 2p |          |        |       |          |         |
|---------------------------------------------|-------|---------------------|----------|--------|-------|----------|---------|
|                                             | Man O | Acadia              | Valley   | Valley |       |          |         |
|                                             | War   | Mtn                 | Cove     | Peak   | Total | Dogs Off | Dogs On |
| <b>7/16/2013</b>                            |       |                     |          |        |       |          |         |
| Coming from                                 | 13    | 42                  | 5        | 6      | 66    | 3        | 0       |
| Going to                                    | 43    | 17                  | 4        | 2      | 66    |          |         |
| Total                                       | 56    | 59                  | 9        | 8      | 132   |          |         |
|                                             | Man O | Acadia              | Valley   | Valley |       |          |         |
|                                             | War   | Mtn                 | Cove     | Peak   | Total | Dogs Off | Dogs On |
| <b>8/13/2013</b>                            |       |                     |          |        |       |          |         |
| Coming from                                 | 8     | 90                  | 11       | 13     | 122   | 2        | 3       |
| Going to                                    | 73    | 9                   | 6        | 34     | 122   | Sun-Cld  |         |
| Total                                       | 81    | 99                  | 17       | 47     | 244   |          |         |
|                                             | Man O | Acadia              | Valley   | Valley |       |          |         |
|                                             | War   | Mtn                 | Cove     | Peak   | Total | Dogs Off | Dogs On |
| <b>8/19/2013</b>                            |       |                     |          |        |       |          |         |
| Coming from                                 | 22    | 84                  | 25       | 37     | 168   | 4        | 5       |
| Going to                                    | 78    | 40                  | 22       | 28     | 168   | Sun      |         |
| Total                                       | 100   | 124                 | 47       | 65     | 336   |          |         |
|                                             | Man O | Acadia              | Valley   | Valley |       |          |         |
|                                             | War   | Mtn                 | Cove     | Peak   | Total | Dogs Off | Dogs On |
| <b>8/27/2013</b>                            |       |                     |          |        |       |          |         |
| Coming from                                 | 3     | 74                  | 20       | 22     | 119   | 3        | 5       |
| Going to                                    | 88    | 11                  | 14       | 6      | 119   | Sun      |         |
| Total                                       | 91    | 85                  | 34       | 28     | 238   |          |         |
|                                             | Man O | Acadia              | Valley   | Valley |       |          |         |
|                                             | War   | Mtn                 | Cove     | Peak   | Total | Dogs Off | Dogs On |
| <b>9/14/2013</b>                            |       |                     |          |        |       |          |         |
| Coming from                                 | 7     | 22                  | 4        | 8      | 41    | 0        | 2       |
| Going to                                    | 10    | 11                  | 4        | 16     | 41    | Cld      |         |
| Total                                       | 17    | 33                  | 8        | 24     | 82    |          |         |
|                                             | Man O | Acadia              | Valley   | Valley |       |          |         |
|                                             | War   | Mtn                 | Cove     | Peak   | Total | Dogs Off | Dogs On |
| <b>Grand Totals</b>                         |       |                     |          |        |       |          |         |
| Coming from                                 | 53    | 312                 | 65       | 86     | 516   | 12       | 15      |
| Going to                                    | 292   | 88                  | 50       | 86     | 516   |          |         |
| Total Traffic                               | 345   | 400                 | 115      | 172    | 1032  |          |         |
| <b>Average Traffic</b>                      | 23.00 | 26.67               | 7.67     | 11.47  | 68.80 |          |         |
| <b>Per Hour on this trail(N=15)</b>         |       |                     |          |        |       |          |         |
| <b>Average Hikers</b>                       |       |                     |          |        | 34.4  |          |         |
| <b>Per Hour through intersection (n=15)</b> |       |                     |          |        |       |          |         |
| <b>Dogs off per hour all three sites</b>    |       |                     | 0.438596 |        |       |          |         |

## APPENDIX 3: MONTHLY TRAIL COUNTER DATA AND STATISTICAL ANALYSES

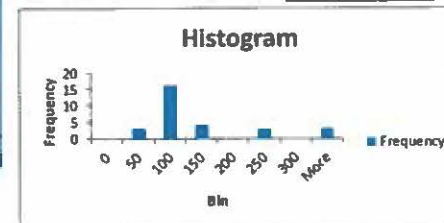
### Gorham Mountain: May 2013

| Date      | DW | 600  | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed                     |
|-----------|----|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|-----------------------------------|
| 5/1/2013  | W  | 2    | 0   | 2   | 0   | 7    | 10   | 0    | 2    | 0    | 3    | 5    | 12   | 0    | 0    | 0    | 43    |                                   |
| 5/2/2013  | T  | 0    | 0   | 0   | 0   | 0    | 12   | 6    | 8    | 5    | 2    | 10   | 8    | 0    | 2    | 0    | 53    |                                   |
| 5/3/2013  | F  | 0    | 0   | 0   | 0   | 10   | 5    | 11   | 15   | 10   | 11   | 5    | 8    | 0    | 0    | 0    | 75    |                                   |
| 5/4/2013  | S  | 0    | 2   | 0   | 2   | 23   | 20   | 14   | 9    | 20   | 15   | 16   | 6    | 2    | 0    | 0    | 129   |                                   |
| 5/5/2013  | S  | 0    | 0   | 7   | 8   | 11   | 11   | 26   | 18   | 17   | 15   | 6    | 0    | 2    | 0    | 0    | 121   |                                   |
| 5/6/2013  | M  | 0    | 0   | 2   | 5   | 5    | 5    | 14   | 12   | 14   | 4    | 20   | 6    | 1    | 0    | 0    | 88    |                                   |
| 5/7/2013  | T  | 2    | 0   | 0   | 0   | 10   | 7    | 10   | 11   | 14   | 6    | 6    | 5    | 5    | 0    | 0    | 76    |                                   |
| 5/8/2013  | W  | 18   | 0   | 1   | 11  | 13   | 5    | 8    | 13   | 13   | 0    | 3    | 5    | 3    | 0    | 0    | 93    |                                   |
| 5/9/2013  | T  | 4    | 0   | 0   | 0   | 2    | 2    | 0    | 0    | 2    | 2    | 0    | 0    | 0    | 0    | 0    | 12    | Rain 6a-10a, 3p-5p                |
| 5/10/2013 | F  | 0    | 0   | 2   | 2   | 9    | 2    | 13   | 4    | 5    | 4    | 4    | 8    | 3    | 1    | 0    | 57    |                                   |
| 5/11/2013 | S  | 2    | 2   | 0   | 8   | 0    | 19   | 1    | 3    | 9    | 2    | 11   | 14   | 0    | 0    | 0    | 71    | Rain 9a-11a, 3p-7p, 11p-12m       |
| 5/12/2013 | S  | 0    | 0   | 0   | 10  | 18   | 8    | 22   | D68  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 58    | Rain 12a-1a, 9a-2p, 10p-12m       |
| 5/13/2013 | M  | D18  | 0   | 6   | 4   | 13   | 14   | 5    | 5    | 6    | 2    | 7    | 6    | 11   | 0    | 0    | 79    | 1                                 |
| 5/14/2013 | T  | 0    | 4   | 2   | 4   | 8    | 15   | 10   | 8    | 5    | 6    | 1    | 0    | 0    | 0    | 0    | 63    | 1                                 |
| 5/15/2013 | W  | 2    | 0   | 4   | 6   | 23   | 10   | 14   | 10   | 11   | 5    | 10   | 0    | 0    | 0    | 0    | 95    | Rain 7p-12m                       |
| 5/16/2013 | T  | 2    | 0   | 0   | 2   | 5    | 5    | 5    | 4    | 9    | 18   | 2    | 17   | 0    | 0    | 0    | 69    |                                   |
| 5/17/2013 | F  | 0    | 1   | 2   | 4   | 6    | 9    | 18   | 7    | 22   | 7    | 10   | 8    | 6    | 2    | 0    | 102   |                                   |
| 5/18/2013 | S  | 1    | 1   | 4   | 27  | 39   | 40   | 37   | 32   | 18   | 13   | 4    | 2    | 3    | 0    | 0    | 221   |                                   |
| 5/19/2013 | S  | 1    | 1   | 2   | 22  | 25   | 44   | 36   | 30   | 17   | 28   | 9    | 2    | 4    | 0    | 0    | 221   |                                   |
| 5/20/2013 | M  | D70  | 1   | 0   | 0   | 0    | D65  | D114 | 3    | 22   | 12   | 6    | 6    | 2    | 0    | 0    | 52    | Rain 1a-11a                       |
| 5/21/2013 | T  | D138 | D62 | 5   | 4   | 4    | 12   | 9    | 9    | 11   | 0    | 2    | 4    | 7    | 3    | 0    | 70    | Rain 8a-12m                       |
| 5/22/2013 | W  | 0    | 0   | 0   | 0   | D143 | 10   | 19   | 19   | 14   | 7    | 6    | 10   | 3    | 2    | D141 | 90    | Rain 12a-10a, 10p-11p             |
| 5/23/2013 | T  | 0    | 0   | 0   | 3   | D47  | 17   | 17   | 8    | 9    | 2    | 0    | 4    | D74  | 0    | 0    | 60    |                                   |
| 5/24/2013 | F  | 0    | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | Rain 12a-8p                       |
| 5/25/2013 | S  | 0    | 0   | 0   | 0   | D23  | D221 | D30  | D201 | D651 | D136 | D36  | D470 | D57  | 0    | 0    | 0     | Rain 2a-5p, 6p-7p, 11p-12m        |
| 5/26/2013 | S  | D71  | 0   | 6   | 17  | 57   | 47   | 58   | 41   | 41   | 30   | 26   | 30   | 8    | 6    | 0    | 367   | Rain 12a-5a, 7a-9a, 12m-1p, 4p-7p |
| 5/27/2013 | M  | 0    | 0   | 14  | 27  | 56   | 67   | 97   | 45   | 61   | 23   | 25   | 6    | 0    | 0    | 0    | 421   |                                   |
| 5/28/2013 | T  | 9    | 2   | 9   | 10  | 32   | 16   | 26   | 30   | 39   | 16   | 13   | 5    | 2    | 1    | 0    | 210   |                                   |
| 5/29/2013 | W  | 0    | 0   | 3   | 17  | 12   | 4    | 2    | 2    | 0    | 0    | 0    | 0    | D24  | D96  | D394 | 40    | Rain 10a-6p                       |
| 5/30/2013 | T  | 0    | 41  | 3   | 17  | 66   | 45   | 51   | 14   | 22   | 25   | 9    | 18   | 6    | 9    | 6    | 332   |                                   |
| 5/31/2013 | F  | D31  | 0   | 2   | 13  | 14   | 10   | 13   | 14   | 15   | 14   | 9    | 5    | 2    | 0    | 0    | 111   | 1                                 |
|           |    |      |     |     |     |      |      |      |      |      |      |      |      |      |      |      |       | 44                                |

| May-13                  |             |
|-------------------------|-------------|
| Mean                    | 119.9655172 |
| Standard Error          | 18.88952082 |
| Median                  | 79          |
| Mode                    | 221         |
| Standard Deviation      | 101.7231828 |
| Sample Variance         | 10347.60591 |
| Kurtosis                | 2.673007587 |
| Skewness                | 1.830664648 |
| Range                   | 409         |
| Minimum                 | 12          |
| Maximum                 | 421         |
| Sum                     | 3479        |
| Count                   | 29          |
| Confidence Level(95.0%) | 38.69342936 |



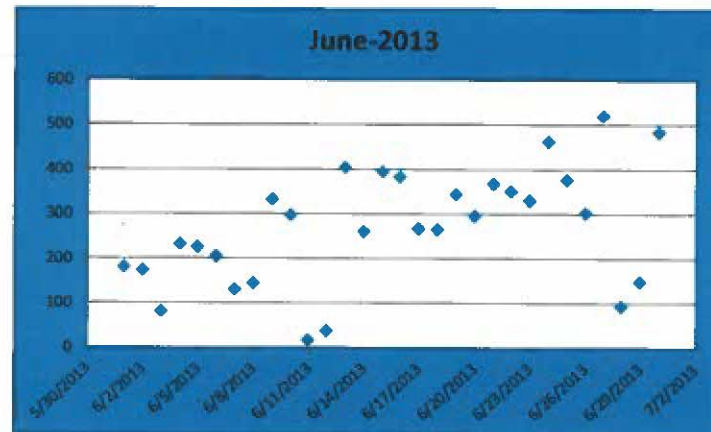
| Bin  | Frequency |
|------|-----------|
| 0    | 0         |
| 50   | 3         |
| 100  | 16        |
| 150  | 4         |
| 200  | 0         |
| 250  | 3         |
| 300  | 0         |
| 350  | 3         |
| More | 3         |



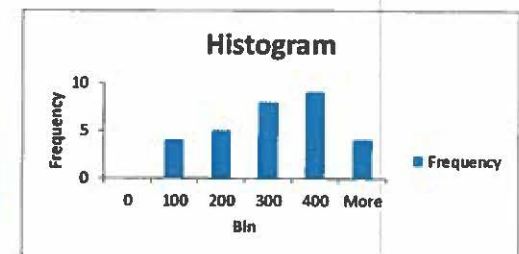
## Gorham Mountain: June 2013

| Date      | DW | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed                    |
|-----------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|----------------------------------|
| 6/1/2013  | S  | 2   | 5   | 9   | 7   | 25   | 23   | 12   | 11   | 7    | 23   | 29   | 24   | 5    | 0    | 0    | 182   |                                  |
| 6/2/2013  | S  | 2   | 3   | 5   | 15  | 21   | 28   | 52   | 17   | 5    | 13   | 5    | 7    | 0    | 0    | 0    | 173   |                                  |
| 6/3/2013  | M  | 0   | 2   | 0   | 6   | 20   | 4    | 1    | 8    | 6    | 14   | 8    | 8    | 2    | 2    | 0    | 81    | Rain 9a-11a                      |
| 6/4/2013  | T  | 0   | 0   | 8   | 18  | 48   | 33   | 40   | 16   | 36   | 7    | 13   | 11   | 2    | 0    | 0    | 232   |                                  |
| 6/5/2013  | W  | 1   | 0   | 7   | 22  | 10   | 30   | 13   | 43   | 27   | 23   | 11   | 39   | 0    | 0    | 0    | 226   |                                  |
| 6/6/2013  | T  | 0   | 0   | 5   | 25  | 23   | 33   | 32   | 34   | 24   | 19   | 0    | 7    | 0    | 2    | 0    | 204   |                                  |
| 6/7/2013  | F  | 0   | 0   | 0   | 4   | 19   | 33   | 20   | 14   | 8    | 12   | 7    | 7    | 7    | 0    | 0    | 131   | Rain 7p-12m                      |
| 6/8/2013  | S  | 0   | 0   | 0   | 0   | 0    | 0    | 93   | 27   | 4    | 10   | 5    | 2    | 0    | 0    | 4    | 145   | Rain 12a-10a                     |
| 6/9/2013  | S  | 4   | 4   | 12  | 28  | 37   | 47   | 48   | 47   | 35   | 18   | 26   | 23   | 0    | 4    | 0    | 333   |                                  |
| 6/10/2013 | M  | 2   | 0   | 4   | 43  | 36   | 34   | 47   | 56   | 28   | 29   | 15   | 3    | 0    | 1    | 0    | 298   |                                  |
| 6/11/2013 | T  | 3   | 3   | 1   | 1   | 0    | 0    | 7    | 0    | 2    | 071  | D137 | 0    | 0    | 0    | 0    | 17    | Rain 6a-10p                      |
| 6/12/2013 | W  | 0   | 0   | 0   | 0   | 0    | D433 | D885 | D131 | 4    | 19   | 7    | 6    | 0    | 0    | 0    | 36    | Rain 1a-4a, 5a-2p, 5p-7p, 8p-12m |
| 6/13/2013 | T  | 0   | 1   | 12  | 25  | 86   | 43   | 95   | 35   | 39   | 13   | 28   | 23   | 4    | 0    | 0    | 404   | 12m-3a                           |
| 6/14/2013 | F  | 0   | 0   | 11  | 16  | 33   | 59   | 55   | 31   | 17   | 20   | 4    | 3    | 7    | 2    | 2    | 260   |                                  |
| 6/15/2013 | S  | 0   | 0   | 14  | 50  | 52   | 86   | 59   | 49   | 43   | 13   | 14   | 4    | 11   | 0    | 0    | 395   |                                  |
| 6/16/2013 | S  | 8   | 23  | 13  | 39  | 52   | 56   | 69   | 57   | 23   | 15   | 27   | 1    | 0    | 0    | 0    | 383   |                                  |
| 6/17/2013 | M  | 1   | 0   | 23  | 33  | 34   | 49   | 44   | 40   | 17   | 15   | 11   | 0    | 0    | 0    | 0    | 267   | Rain 3p-5p                       |
| 6/18/2013 | T  | 4   | 0   | 12  | 37  | 31   | 41   | 41   | 18   | 18   | 35   | 15   | 6    | 2    | 5    | 0    | 265   |                                  |
| 6/19/2013 | W  | 0   | 0   | 9   | 52  | 14   | 56   | 55   | 39   | 46   | 34   | 23   | 16   | 0    | 0    | 0    | 344   |                                  |
| 6/20/2013 | T  | 0   | 3   | 5   | 23  | 40   | 36   | 60   | 43   | 24   | 34   | 8    | 10   | 9    | 0    | 0    | 295   |                                  |
| 6/21/2013 | F  | 0   | 0   | 16  | 44  | 30   | 64   | 43   | 21   | 38   | 42   | 35   | 13   | 15   | 7    | 0    | 368   |                                  |
| 6/22/2013 | S  | 2   | 3   | 6   | 26  | 41   | 50   | 67   | 77   | 41   | 15   | 18   | 2    | 3    | 0    | 0    | 351   |                                  |
| 6/23/2013 | S  | 3   | 4   | 3   | 29  | 33   | 20   | 39   | 63   | 49   | 48   | 27   | 12   | 0    | 0    | 0    | 330   | Rain 10p-12m                     |
| 6/24/2013 | M  | 0   | 2   | 19  | 36  | 71   | 111  | 115  | 41   | 28   | 16   | 15   | 6    | 2    | 0    | 0    | 462   |                                  |
| 6/25/2013 | T  | 1   | 4   | 3   | 58  | 59   | 64   | 53   | 42   | 30   | 14   | 23   | 12   | 8    | 6    | 0    | 377   | Rain 7p-10p                      |
| 6/26/2013 | W  | 0   | 2   | 6   | 22  | 33   | 68   | 45   | 44   | 16   | 32   | 24   | 9    | 0    | 0    | 0    | 301   | Rain 12m-1p, 4p-6p, 8p-9p        |
| 6/27/2013 | T  | 1   | 9   | 16  | 28  | 70   | 106  | 66   | 70   | 55   | 47   | 24   | 18   | 5    | 5    | 0    | 520   | Rain 11p-12m                     |
| 6/28/2013 | F  | 0   | 0   | 0   | 0   | 17   | 73   | 4    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 94    | Rain 12m-6a,                     |
| 6/29/2013 | S  | 0   | 0   | 0   | 0   | 0    | 0    | D137 | 54   | 46   | 26   | 11   | 2    | 0    | 9    | 0    | 148   | Rain 2p-3p                       |
| 6/30/2013 | S  | 0   | 0   | 71  | 51  | 80   | 73   | 50   | 47   | 31   | 26   | 23   | 23   | 7    | 0    | D129 | 482   |                                  |

| Jun-13                  |          |
|-------------------------|----------|
| Mean                    | 270.13   |
| Standard Error          | 23.83    |
| Median                  | 281.00   |
| Mode                    | #N/A     |
| Standard Deviation      | 130.52   |
| Sample Variance         | 17034.53 |
| Kurtosis                | -0.61    |
| Skewness                | -0.14    |
| Range                   | 503.00   |
| Minimum                 | 17.00    |
| Maximum                 | 520.00   |
| Sum                     | 8104.00  |
| Count                   | 30.00    |
| Confidence Level(95.0%) | 48.74    |



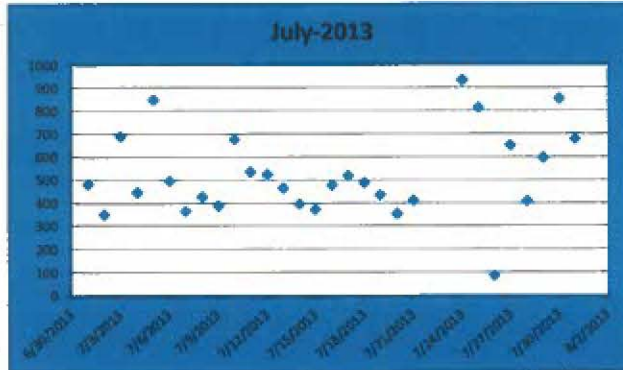
| Bin  | Frequency |
|------|-----------|
| 0    | 0         |
| 100  | 4         |
| 200  | 5         |
| 300  | 8         |
| 400  | 9         |
| More | 4         |



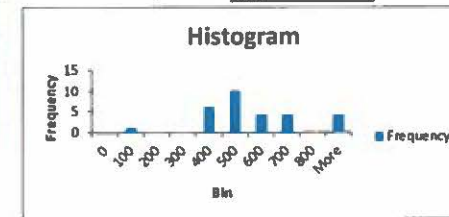
## Gorham Mountain: July 2013

| Date      | DW | 600  | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed              |    |
|-----------|----|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|----------------------------|----|
| 7/1/2013  | M  | 0    | 1   | 9   | 22  | 55   | 86   | 103  | 55   | 68   | 35   | 32   | 13   | 0    | 0    | 0    | 479   | Rain 9p-12m                |    |
| 7/2/2013  | T  | 0    | 0   | 0   | 5   | 133  | 21   | 28   | 35   | 40   | 44   | 21   | 15   | 2    | 4    | 0    | 348   | 12m-9a,4p-6p               |    |
| 7/3/2013  | W  | 0    | 2   | 14  | 20  | 88   | 114  | 102  | 112  | 70   | 57   | 67   | 32   | 9    | 0    | 0    | 687   |                            |    |
| 7/4/2013  | T  | 16   | 5   | 24  | 48  | 39   | 86   | 50   | 92   | 31   | 11   | 21   | 10   | 10   | 4    | 0    | 447   |                            |    |
| 7/5/2013  | F  | 6    | 3   | 41  | 92  | 146  | 162  | 112  | 85   | 83   | 35   | 26   | 36   | 9    | 10   | 0    | 846   |                            |    |
| 7/6/2013  | S  | 5    | 5   | 38  | 35  | 93   | 77   | 76   | 39   | 44   | 27   | 16   | 32   | 8    | 0    | 0    | 495   |                            |    |
| 7/7/2013  | S  | 17   | 17  | 11  | 49  | 72   | 65   | 44   | 14   | 22   | 33   | 13   | 2    | 5    | 0    | 1    | 365   |                            |    |
| 7/8/2013  | M  | 0    | 4   | 17  | 34  | 36   | 45   | 48   | 90   | 56   | 50   | 29   | 12   | 3    | 0    | 0    | 424   | Rain 5a-7a                 |    |
| 7/9/2013  | T  | 0    | 2   | 0   | 28  | 64   | 78   | 62   | 65   | 33   | 38   | 7    | 10   | 1    | 0    | 0    | 388   | Rain 4a-6a                 |    |
| 7/10/2013 | W  | 0    | 0   | 18  | 51  | 69   | 131  | 72   | 125  | 81   | 71   | 38   | 7    | 4    | 0    | 10   | 677   | Rain 11p-12m               |    |
| 7/11/2013 | T  | 0    | 38  | 31  | 43  | 90   | 83   | 56   | 77   | 37   | 35   | 28   | 13   | 4    | 0    | 0    | 535   | Rain 12m-1a                |    |
| 7/12/2013 | F  | 0    | 0   | 19  | 30  | 91   | 77   | 42   | 55   | 58   | 53   | 31   | 35   | 15   | 16   | 0    | 522   |                            |    |
| 7/13/2013 | S  | 3    | 1   | 10  | 61  | 88   | 63   | 66   | 56   | 49   | 18   | 29   | 8    | 9    | 2    | 0    | 463   |                            |    |
| 7/14/2013 | S  | 0    | 3   | 11  | 27  | 58   | 80   | 60   | 46   | 62   | 19   | 9    | 5    | 3    | 5    | 7    | 395   |                            |    |
| 7/15/2013 | M  | 0    | 9   | 5   | 43  | 59   | 73   | 57   | 52   | 28   | 18   | 18   | 4    | 6    | 0    | 0    | 372   |                            |    |
| 7/16/2013 | T  | 0    | 4   | 36  | 65  | 89   | 87   | 43   | 48   | 28   | 19   | 33   | 13   | 8    | 2    | 0    | 475   |                            |    |
| 7/17/2013 | W  | 2    | 16  | 13  | 42  | 70   | 61   | 77   | 64   | 60   | 52   | 15   | 30   | 6    | 2    | 8    | 518   | Rain 11p-12m               |    |
| 7/18/2013 | T  | 10   | 12  | 20  | 30  | 104  | 70   | 49   | 68   | 93   | 18   | 8    | 4    | 0    | 0    | 2    | 488   | Rain 11p-12m               |    |
| 7/19/2013 | F  | 1    | 4   | 15  | 39  | 65   | 65   | 77   | 60   | 46   | 10   | 20   | 26   | 5    | 0    | 0    | 433   | Rain 3a-4a                 |    |
| 7/20/2013 | S  | 3    | 10  | 25  | 27  | 46   | 49   | 67   | 55   | 26   | 25   | 3    | 10   | 5    | 3    | 0    | 354   | Rain 5p-7p                 |    |
| 7/21/2013 | S  | 0    | 8   | 17  | 36  | 85   | 112  | 124  | 28   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 410   | ??                         |    |
| 7/22/2013 | M  | 0    | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | ??    |                            | 15 |
| 7/23/2013 | T  | 0    | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       | Rain 5a-1p, 7p-9p          | 15 |
| 7/24/2013 | W  | 0    | 6   | 24  | 92  | 130  | 140  | 125  | 152  | 120  | 72   | 51   | 16   | 3    | 0    | 0    | 931   |                            |    |
| 7/25/2013 | T  | 3    | 6   | 26  | 71  | 101  | 116  | 79   | 134  | 149  | 75   | 32   | 14   | 2    | 5    | 0    | 813   |                            |    |
| 7/26/2013 | F  | 0    | 0   | 0   | 20  | 58   | 0    | 6    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 84    | Rain 12a-4p, 7p-8p, 9p-12m |    |
| 7/27/2013 | S  | D17  | D42 | 8   | 23  | 95   | 99   | 116  | 83   | 85   | 52   | 45   | 24   | 20   | 0    | 0    | 650   | Rain 1a-4a                 | 2  |
| 7/28/2013 | S  | 1    | 2   | 25  | 48  | 90   | 87   | 30   | 30   | 25   | 26   | 17   | 9    | 10   | 5    | 0    | 405   | Rain 11a-2p                |    |
| 7/29/2013 | M  | 2    | 16  | 9   | 45  | 72   | 91   | 78   | 63   | 58   | 67   | 59   | 29   | 6    | 0    | 0    | 595   |                            |    |
| 7/30/2013 | T  | D116 | 4   | 50  | 72  | 102  | 123  | 137  | 105  | 69   | 70   | 74   | 28   | 12   | 6    | 0    | 852   | ??                         | 1  |
| 7/31/2013 | W  | 4    | 13  | 16  | 58  | 102  | 145  | 106  | 55   | 55   | 53   | 41   | 12   | 10   | 3    | 3    | 676   |                            | 38 |

| Jul-13                  |          |
|-------------------------|----------|
| Mean                    | 521.62   |
| Standard Error          | 34.26    |
| Median                  | 479.00   |
| Mode                    | #N/A     |
| Standard Deviation      | 184.50   |
| Sample Variance         | 34038.67 |
| Kurtosis                | 0.51     |
| Skewness                | 0.41     |
| Range                   | 847.00   |
| Minimum                 | 84.00    |
| Maximum                 | 931.00   |
| Sum                     | 15127.00 |
| Count                   | 29.00    |
| Confidence Level(95.0%) | 70.18    |



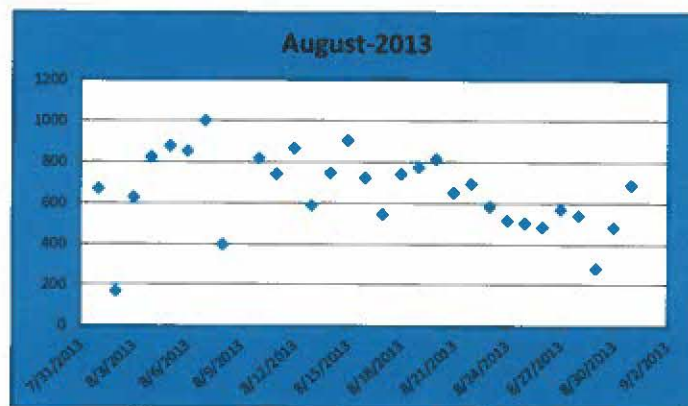
| Bin  | Frequency |
|------|-----------|
| 0    | 0         |
| 100  | 1         |
| 200  | 0         |
| 300  | 0         |
| 400  | 6         |
| 500  | 10        |
| 600  | 4         |
| 700  | 4         |
| 800  | 0         |
| More | 4         |



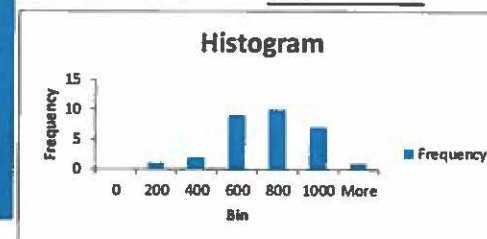
## Gorham Mountain: August 2013

| Date      | DW | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed                    |
|-----------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|----------------------------------|
| 8/1/2013  | T  | 3   | 4   | 22  | 47  | 107  | 98   | 120  | 80   | 62   | 38   | 33   | 31   | 14   | 9    | 3    | 671   |                                  |
| 8/2/2013  | F  | 0   | 0   | 0   | 4   | 6    | 41   | 12   | 32   | 60   | 12   | 0    | 4    | D29  | D18  | D106 | 171   | Rain 3a-9a, 10a-11a, 12n-4p<br>3 |
| 8/3/2013  | S  | 0   | 0   | 10  | 42  | 89   | 113  | 89   | 82   | 96   | 59   | 36   | 8    | 4    | 0    | 0    | 628   | Rain 10-12n                      |
| 8/4/2013  | S  | 0   | 4   | 16  | 99  | 113  | 129  | 114  | 128  | 59   | 59   | 66   | 29   | 4    | 2    | 3    | 825   |                                  |
| 8/5/2013  | M  | 4   | 20  | 19  | 87  | 129  | 154  | 145  | 77   | 80   | 64   | 45   | 39   | 10   | 5    | 0    | 878   |                                  |
| 8/6/2013  | T  | 2   | 7   | 26  | 62  | 103  | 169  | 132  | 111  | 104  | 74   | 49   | 12   | 2    | 2    | 0    | 855   |                                  |
| 8/7/2013  | W  | 8   | 6   | 47  | 73  | 145  | 186  | 172  | 121  | 99   | 61   | 31   | 18   | 20   | 14   | 0    | 1001  |                                  |
| 8/8/2013  | T  | 6   | 11  | 38  | 32  | 34   | 32   | 43   | 42   | 64   | 49   | 27   | 20   | D67  | D251 | 0    | 398   | Rain 8a-11a<br>2                 |
| 8/9/2013  | F  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | Rain 6a-1p, 2p-10p<br>15         |
| 8/10/2013 | S  | 0   | 0   | 19  | 75  | 99   | 151  | 129  | 91   | 110  | 101  | 36   | 8    | 0    | 1    | 0    | 820   |                                  |
| 8/11/2013 | S  | 6   | 9   | 29  | 51  | 105  | 94   | 102  | 94   | 110  | 74   | 49   | 12   | 6    | 0    | 3    | 744   |                                  |
| 8/12/2013 | M  | 2   | 4   | 26  | 73  | 117  | 174  | 131  | 134  | 97   | 47   | 29   | 26   | 7    | 2    | 0    | 869   |                                  |
| 8/13/2013 | T  | 0   | 5   | 17  | 53  | 107  | 114  | 112  | 78   | 61   | 35   | 6    | 2    | 0    | 0    | 0    | 590   |                                  |
| 8/14/2013 | W  | 0   | 0   | 9   | 40  | 91   | 94   | 136  | 123  | 84   | 73   | 42   | 34   | 21   | 2    | 0    | 749   |                                  |
| 8/15/2013 | T  | 2   | 14  | 14  | 65  | 119  | 179  | 200  | 121  | 82   | 46   | 42   | 18   | 6    | 0    | 0    | 908   |                                  |
| 8/16/2013 | F  | 6   | 11  | 26  | 78  | 122  | 107  | 106  | 89   | 69   | 60   | 29   | 14   | 5    | 3    | 0    | 725   |                                  |
| 8/17/2013 | S  | 5   | 3   | 10  | 71  | 71   | 74   | 83   | 80   | 62   | 40   | 36   | 14   | 0    | 0    | 0    | 549   |                                  |
| 8/18/2013 | S  | 7   | 1   | 11  | 74  | 84   | 142  | 116  | 75   | 85   | 64   | 46   | 28   | 9    | 0    | 0    | 742   |                                  |
| 8/19/2013 | M  | 0   | 0   | 27  | 68  | 114  | 145  | 113  | 113  | 86   | 43   | 35   | 25   | 5    | 2    | 0    | 776   |                                  |
| 8/20/2013 | T  | 2   | 4   | 23  | 80  | 119  | 146  | 134  | 105  | 99   | 50   | 23   | 15   | 14   | 0    | 3    | 817   |                                  |
| 8/21/2013 | W  | 0   | 15  | 35  | 47  | 128  | 121  | 76   | 69   | 56   | 44   | 32   | 19   | 10   | 0    | 0    | 652   |                                  |
| 8/22/2013 | T  | 0   | 4   | 32  | 69  | 118  | 155  | 89   | 84   | 60   | 39   | 11   | 12   | 6    | 17   | 0    | 696   |                                  |
| 8/23/2013 | F  | 12  | 6   | 18  | 76  | 86   | 81   | 87   | 82   | 53   | 31   | 31   | 22   | 0    | 0    | 0    | 585   | Rain 1a-3a                       |
| 8/24/2013 | S  | 10  | 16  | 17  | 40  | 62   | 77   | 67   | 85   | 72   | 29   | 19   | 17   | 5    | 0    | 0    | 516   |                                  |
| 8/25/2013 | S  | 1   | 0   | 17  | 53  | 64   | 75   | 67   | 62   | 79   | 27   | 38   | 20   | 0    | 0    | 0    | 503   |                                  |
| 8/26/2013 | M  | D33 | 2   | 1   | 14  | 49   | 42   | 85   | 101  | 82   | 50   | 47   | 13   | 0    | 0    | 0    | 486   | Rain 6a-8a<br>1                  |
| 8/27/2013 | T  | 0   | 0   | 24  | 45  | 52   | 121  | 85   | 87   | 69   | 41   | 29   | 13   | 2    | 2    | 0    | 570   |                                  |
| 8/28/2013 | W  | 0   | 7   | 13  | 32  | 52   | 105  | 66   | 77   | 67   | 44   | 33   | 31   | 16   | 0    | 0    | 543   | Rain 6p-8p                       |
| 8/29/2013 | T  | 0   | 0   | 2   | 10  | 20   | 20   | 44   | 47   | 38   | 51   | 44   | 2    | 4    | 0    | 0    | 282   | Rain 8a-9a                       |
| 8/30/2013 | F  | 0   | 7   | 17  | 43  | 53   | 80   | 53   | 64   | 38   | 64   | 49   | 15   | 3    | 0    | 0    | 486   |                                  |
| 8/31/2013 | S  | D73 | 7   | 13  | 26  | 91   | 150  | 140  | 92   | 54   | 38   | 48   | 17   | 13   | 0    | 0    | 689   | Rain 2a-4a<br>1<br>22            |

| Aug-13                  |          |
|-------------------------|----------|
| Mean                    | 657.47   |
| Standard Error          | 34.38    |
| Median                  | 680.00   |
| Mode                    | 486.00   |
| Standard Deviation      | 188.30   |
| Sample Variance         | 35456.74 |
| Kurtosis                | 0.37     |
| Skewness                | -0.58    |
| Range                   | 830.00   |
| Minimum                 | 171.00   |
| Maximum                 | 1001.00  |
| Sum                     | 19724.00 |
| Count                   | 30.00    |
| Confidence Level(95.0%) | 70.31    |



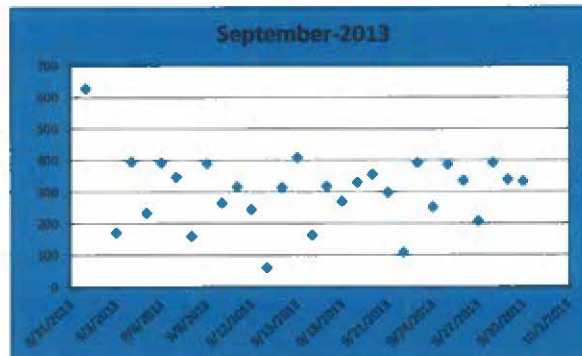
| Bin  | Frequency |
|------|-----------|
| 0    | 0         |
| 200  | 1         |
| 400  | 2         |
| 600  | 9         |
| 800  | 10        |
| 1000 | 7         |
| 1    | 1         |
| More | 1         |



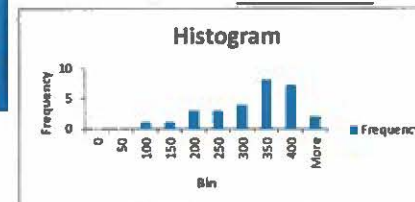
## Gorham Mountain: September 2013

| Date      | DW | 600  | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total |                                                 | Hours Removed |
|-----------|----|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|-------------------------------------------------|---------------|
| 9/1/2013  | S  | 15   | 16  | 75  | 24  | 43   | 79   | 115  | 61   | 79   | 30   | 63   | 21   | 2    | 3    | 0    | 626   | Rain 1a-3a                                      |               |
| 9/2/2013  | M  | D481 | 0   | 02  | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       | Rain 2a-4a, 5a-7a, 9a-12m                       | 15            |
| 9/3/2013  | T  | 0    | 0   | 0   | 0   | 25   | 33   | 30   | 25   | 19   | 17   | 18   | 2    | 0    | D82  | D78  | 169   | Rain 8p-10p                                     | 2             |
| 9/4/2013  | W  | 0    | 5   | 7   | 53  | 63   | 70   | 60   | 32   | 42   | 28   | 21   | 10   | 4    | 0    | 0    | 395   |                                                 |               |
| 9/5/2013  | T  | 0    | 0   | 0   | 0   | 0    | 28   | 35   | 31   | 52   | 45   | 26   | 15   | 0    | 0    | 0    | 232   | Rain 3a-10a                                     |               |
| 9/6/2013  | F  | 6    | 7   | 22  | 45  | 71   | 59   | 57   | 33   | 41   | 35   | 10   | 6    | 0    | 0    | 0    | 392   |                                                 |               |
| 9/7/2013  | S  | 0    | 1   | 22  | 26  | 41   | 55   | 62   | 41   | 38   | 31   | 22   | 4    | 2    | 0    | 0    | 345   | Rain 1p-12m                                     |               |
| 9/8/2013  | S  | 0    | 0   | 4   | 10  | 4    | 11   | 6    | 17   | 36   | 30   | 30   | 12   | 0    | 0    | 0    | 160   | Rain 5a-8a, 9a-12n                              |               |
| 9/9/2013  | M  | 0    | 4   | 14  | 30  | 42   | 55   | 76   | 35   | 53   | 43   | 16   | 13   | 7    | 0    | 0    | 388   |                                                 |               |
| 9/10/2013 | T  | 0    | 8   | 35  | 50  | 41   | 56   | 36   | 22   | 4    | 6    | 6    | 0    | 0    | 0    | 0    | 264   |                                                 |               |
| 9/11/2013 | W  | 0    | 2   | 8   | 40  | 31   | 47   | 70   | 22   | 33   | 34   | 21   | 6    | 2    | 0    | 0    | 316   | Rain 11p-12m                                    |               |
| 9/12/2013 | T  | D29  | 8   | 0   | 41  | 42   | 38   | 34   | 44   | 25   | 5    | 4    | 3    | 0    | 0    | 0    | 244   | Rain 12m-2a                                     |               |
| 9/13/2013 | F  | 9    | 0   | 14  | 5   | 2    | D153 | D59  | 4    | 14   | 6    | 6    | 0    | 0    | 0    | 0    | 60    | Rain 12a-3a, 6a-7a, 8a-1p, 3p-5p, 7p-8p, 9p-10p | 1             |
| 9/14/2013 | S  | D85  | D31 | 4   | 51  | 60   | 63   | 33   | 31   | 36   | 18   | 10   | 8    | 0    | 0    | 0    | 314   | ??Fog                                           | 2             |
| 9/15/2013 | S  | 4    | 7   | 16  | 60  | 65   | 55   | 60   | 60   | 45   | 21   | 10   | 2    | 2    | 0    | 0    | 407   |                                                 |               |
| 9/16/2013 | M  | 2    | 1   | 10  | 15  | 17   | 25   | 15   | 26   | 27   | 14   | 10   | 0    | 0    | 0    | 0    | 162   |                                                 |               |
| 9/17/2013 | T  | 7    | 0   | 12  | 50  | 48   | 61   | 55   | 31   | 17   | 26   | 9    | 0    | 1    | 0    | 0    | 317   |                                                 |               |
| 9/18/2013 | W  | 0    | 0   | 2   | 25  | 39   | 42   | 59   | 45   | 32   | 15   | 4    | 5    | 0    | 1    | 0    | 269   |                                                 |               |
| 9/19/2013 | T  | 0    | 2   | 4   | 24  | 37   | 50   | 54   | 51   | 28   | 20   | 34   | 8    | 2    | 8    | 8    | 330   |                                                 |               |
| 9/20/2013 | F  | 0    | 3   | 15  | 43  | 49   | 59   | 42   | 50   | 29   | 38   | 13   | 11   | 2    | 0    | 0    | 354   |                                                 |               |
| 9/21/2013 | S  | 0    | 0   | 12  | 30  | 55   | 48   | 41   | 25   | 27   | 29   | 23   | 7    | 0    | 0    | 0    | 297   |                                                 |               |
| 9/22/2013 | S  | 0    | 1   | 75  | 12  | 21   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 109   | Rain 7a-1p,                                     |               |
| 9/23/2013 | M  | 0    | 5   | 2   | 21  | 34   | 67   | 75   | 81   | 67   | 25   | 9    | 5    | 0    | 0    | 0    | 391   |                                                 |               |
| 9/24/2013 | T  | 2    | 0   | 52  | 46  | 11   | 12   | 22   | 50   | 27   | 18   | 10   | 2    | 0    | 0    | 0    | 252   |                                                 |               |
| 9/25/2013 | W  | 9    | 3   | 15  | 25  | 144  | 58   | 42   | 44   | 28   | 11   | 4    | 2    | 0    | 0    | 0    | 385   |                                                 |               |
| 9/26/2013 | T  | D37  | 5   | 13  | 22  | 63   | 77   | 60   | 39   | 27   | 16   | 8    | 4    | 0    | 0    | 0    | 334   | ??                                              | 1             |
| 9/27/2013 | F  | 0    | 3   | 11  | 13  | 26   | 16   | 50   | 28   | 24   | 12   | 19   | 2    | 0    | 0    | 0    | 204   |                                                 |               |
| 9/28/2013 | S  | 4    | 4   | 28  | 35  | 55   | 59   | 41   | 47   | 54   | 33   | 15   | 3    | 0    | 9    | 5    | 392   |                                                 |               |
| 9/29/2013 | S  | 0    | 50  | 5   | 24  | 42   | 54   | 51   | 37   | 21   | 30   | 14   | 8    | 1    | 0    | 0    | 337   |                                                 |               |
| 9/30/2013 | M  | 2    | 6   | 9   | 34  | 35   | 41   | 91   | 25   | 35   | 40   | 7    | 4    | 2    | 0    | 0    | 331   |                                                 | 23            |

| Sep-13                  |          |
|-------------------------|----------|
| Mean                    | 302.62   |
| Standard Error          | 20.71    |
| Median                  | 317.00   |
| Mode                    | 392.00   |
| Standard Deviation      | 111.52   |
| Sample Variance         | 12436.74 |
| Kurtosis                | 1.68     |
| Skewness                | 0.22     |
| Range                   | 566.00   |
| Minimum                 | 60.00    |
| Maximum                 | 626.00   |
| Sum                     | 8776.00  |
| Count                   | 29.00    |
| Confidence Level(95.0%) | 42.42    |



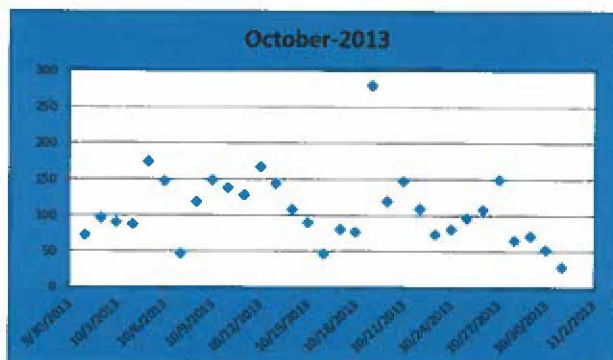
| Bin  | Frequency |
|------|-----------|
| 0    | 0         |
| 50   | 0         |
| 100  | 1         |
| 150  | 1         |
| 200  | 3         |
| 250  | 3         |
| 300  | 4         |
| 350  | 8         |
| 400  | 7         |
| More | 2         |



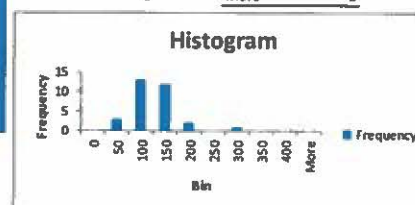
## Gorham Mountain: October 2013

| Date       | DW | 600  | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed        |
|------------|----|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|----------------------|
| 10/1/2013  | T  | 0    | 0   | 3   | 4   | 8    | 16   | 12   | 15   | 6    | 7    | 0    | 2    | 0    | 0    | 0    | 73    |                      |
| 10/2/2013  | W  | 0    | 6   | 2   | 6   | 16   | 7    | 18   | 12   | 9    | 7    | 3    | 10   | 0    | 0    | 0    | 96    |                      |
| 10/3/2013  | T  | 0    | 0   | 6   | 6   | 14   | 5    | 31   | 10   | 11   | 4    | 3    | 0    | 0    | 0    | 0    | 90    |                      |
| 10/4/2013  | F  | 1    | 1   | 5   | 2   | 8    | 26   | 13   | 19   | 8    | 3    | 0    | 2    | 0    | 0    | 0    | 88    |                      |
| 10/5/2013  | S  | 0    | 1   | 5   | 14  | 23   | 30   | 42   | 21   | 26   | 5    | 4    | 4    | 0    | 0    | 0    | 175   |                      |
| 10/6/2013  | S  | 3    | 0   | 0   | 8   | 15   | 33   | 21   | 11   | 29   | 6    | 6    | 15   | 0    | 0    | 0    | 147   | Rain 8p-12m,         |
| 10/7/2013  | M  | 0    | 0   | 0   | 2   | 9    | 13   | 4    | 4    | 3    | 4    | 7    | 0    | 0    | 0    | D50  | 46    | Rain 11p-12m, 12m-2a |
| 10/8/2013  | T  | 0    | 0   | 4   | 21  | 11   | 16   | 23   | 19   | 13   | 4    | 4    | 4    | 0    | 0    | 0    | 119   |                      |
| 10/9/2013  | W  | 1    | 0   | 2   | 13  | 20   | 26   | 42   | 15   | 8    | 15   | 3    | 4    | 0    | 0    | 0    | 149   |                      |
| 10/10/2013 | T  | 0    | 11  | 2   | 6   | 21   | 18   | 20   | 24   | 29   | 4    | 2    | 1    | 0    | 0    | 0    | 138   |                      |
| 10/11/2013 | F  | 2    | 0   | 6   | 6   | 17   | 23   | 15   | 24   | 15   | 8    | 9    | 4    | 0    | 0    | 0    | 129   |                      |
| 10/12/2013 | S  | 3    | 3   | 0   | 11  | 16   | 23   | 30   | 22   | 19   | 23   | 10   | 8    | 0    | 0    | 0    | 168   |                      |
| 10/13/2013 | S  | 0    | 7   | 0   | 31  | 20   | 20   | 32   | 19   | 8    | 1    | 5    | 1    | 0    | 0    | 0    | 144   |                      |
| 10/14/2013 | M  | 0    | 4   | 5   | 8   | 12   | 25   | 16   | 11   | 18   | 4    | 4    | 1    | 0    | 0    | 0    | 108   |                      |
| 10/15/2013 | T  | 0    | 0   | 4   | 6   | 25   | 15   | 14   | 11   | 9    | 7    | 0    | 0    | 0    | 0    | 0    | 91    |                      |
| 10/16/2013 | W  | 0    | 2   | 3   | 4   | 13   | 9    | 4    | 9    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 46    | Rain 12n-4p          |
| 10/17/2013 | T  | D298 | 0   | D59 | 4   | 10   | 6    | 20   | 17   | 7    | 15   | 2    | 0    | 0    | 0    | 0    | 81    | Fog??                |
| 10/18/2013 | F  | 0    | 0   | 0   | 0   | 0    | 35   | 11   | 5    | 6    | 7    | 9    | 4    | 0    | 0    | 0    | 77    | Rain 2a-9a           |
| 10/19/2013 | S  | 0    | 5   | 12  | 28  | 35   | 29   | 42   | 40   | 45   | 25   | 16   | 2    | 0    | 0    | 0    | 279   |                      |
| 10/20/2013 | S  | 0    | 0   | 2   | 2   | 17   | 17   | 27   | 13   | 20   | 19   | 0    | 3    | 0    | 0    | 0    | 120   | Rain 6a-7a           |
| 10/21/2013 | M  | 2    | 0   | 8   | 25  | 8    | 32   | 16   | 17   | 17   | 13   | 7    | 3    | 0    | 0    | 0    | 148   |                      |
| 10/22/2013 | T  | 6    | 0   | 0   | 7   | 12   | 18   | 17   | 6    | 16   | 10   | 16   | 2    | 0    | 0    | 0    | 110   |                      |
| 10/23/2013 | W  | 0    | 0   | 2   | 5   | 21   | 13   | 10   | 13   | 7    | 1    | 2    | 0    | 0    | 0    | 0    | 74    |                      |
| 10/24/2013 | T  | 0    | 0   | 2   | 9   | 7    | 15   | 16   | 9    | 8    | 8    | 0    | 7    | 0    | 0    | 0    | 81    |                      |
| 10/25/2013 | F  | 0    | 0   | 5   | 2   | 10   | 18   | 33   | 24   | 2    | 2    | 0    | 0    | 0    | 0    | 0    | 96    |                      |
| 10/26/2013 | S  | 0    | 0   | 5   | 1   | 11   | 32   | 17   | 20   | 11   | 6    | 5    | 0    | 0    | 0    | 0    | 108   | Rain 1p-3p, 4p-6p    |
| 10/27/2013 | S  | 0    | 0   | 11  | 2   | 8    | 13   | 28   | 20   | 16   | 32   | 6    | 14   | 0    | 0    | 0    | 150   | Rain 5a-8a           |
| 10/28/2013 | M  | 0    | 0   | 0   | 8   | 12   | 9    | 10   | 15   | 5    | 7    | 0    | 0    | 0    | 0    | 0    | 66    |                      |
| 10/29/2013 | T  | 0    | 0   | 19  | 3   | 14   | 6    | 4    | 12   | 7    | 5    | 2    | 0    | 0    | 0    | 0    | 72    |                      |
| 10/30/2013 | W  | 0    | 0   | 2   | 0   | 2    | 10   | 10   | 17   | 9    | 3    | 0    | 0    | 0    | 0    | 0    | 53    |                      |
| 10/31/2013 | T  | 0    | 0   | 0   | 3   | 4    | 6    | 6    | 6    | 2    | 2    | 0    | 0    | 0    | D32  | 0    | 29    | Rain 3p-12m          |
| Total      |    |      |     |     |     |      |      |      |      |      |      |      |      |      |      |      | 58561 | 1<br>4               |

| Oct-13                  |         |
|-------------------------|---------|
| Mean                    | 108.10  |
| Standard Error          | 8.85    |
| Median                  | 96.00   |
| Mode                    | 96.00   |
| Standard Deviation      | 49.30   |
| Sample Variance         | 2430.56 |
| Kurtosis                | 3.48    |
| Skewness                | 1.31    |
| Range                   | 250.00  |
| Minimum                 | 29.00   |
| Maximum                 | 279.00  |
| Sum                     | 3351.00 |
| Count                   | 31.00   |
| Confidence Level(95.0%) | 18.08   |



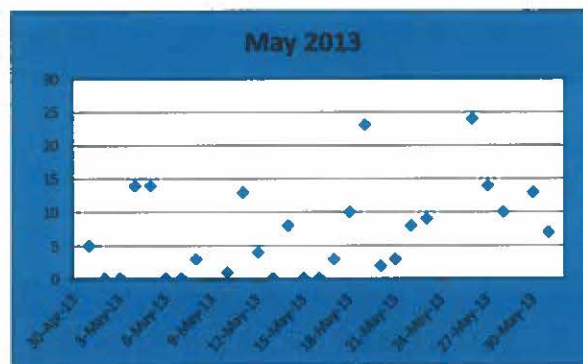
| Bin  | Frequency |
|------|-----------|
| 0    | 0         |
| 50   | 3         |
| 100  | 13        |
| 150  | 12        |
| 200  | 2         |
| 250  | 0         |
| 300  | 1         |
| 350  | 0         |
| 400  | 0         |
| More | 0         |



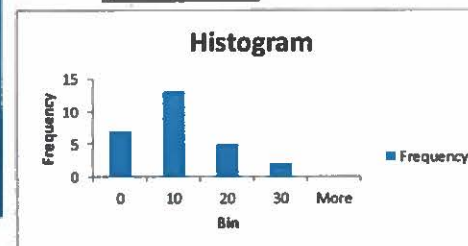
## Triad: May 2013

| Date      | DW | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed      |                                   |                            |
|-----------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|--------------------|-----------------------------------|----------------------------|
| 1-May-13  | W  | 0   | 0   | 0   | 0   | 4    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 5     |                    |                                   |                            |
| 2-May-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                    |                                   |                            |
| 3-May-13  | F  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                    |                                   |                            |
| 4-May-13  | S  | 0   | 0   | 0   | 0   | 14   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 14    |                    |                                   |                            |
| 5-May-13  | S  | 0   | 0   | 1   | 6   | 7    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 14    |                    |                                   |                            |
| 6-May-13  | M  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                    |                                   |                            |
| 7-May-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                    |                                   |                            |
| 8-May-13  | W  | 0   | 0   | 0   | 1   | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3     |                    |                                   |                            |
| 9-May-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | D17  | 0    | 0    | 0    | 0    |       | Rain 6a-10a, 3p-5p | 15                                |                            |
| 10-May-13 | F  | 0   | D11 | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 1     |                    | 1                                 |                            |
| 11-May-13 | S  | 0   | 0   | 3   | 2   | 6    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 13    |                    | Rain 9a-11a, 3p-7p, 11p-12m       | Weekend-did not delete day |
| 12-May-13 | S  | 0   | 0   | 0   | 0   | 2    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 4     |                    | Rain 12a-1a, 9a-2p, 10p-12m       |                            |
| 13-May-13 | M  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                    |                                   |                            |
| 14-May-13 | T  | 0   | 0   | 1   | 1   | 0    | 2    | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0    | 8     |                    |                                   |                            |
| 15-May-13 | W  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                    | Rain 7p-12m                       |                            |
| 16-May-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                    |                                   |                            |
| 17-May-13 | F  | 0   | 0   | 0   | 1   | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3     |                    |                                   |                            |
| 18-May-13 | S  | 0   | 0   | 0   | 0   | 0    | 4    | 0    | 4    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 10    |                    |                                   |                            |
| 19-May-13 | S  | 0   | 0   | 0   | 17  | 0    | 0    | 2    | 0    | 1    | 3    | 0    | 0    | 0    | 0    | 0    | 23    |                    |                                   |                            |
| 20-May-13 | M  | 0   | 0   | 0   | 0   | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2     |                    | Rain 1a-11a                       |                            |
| 21-May-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 3     |                    | Rain 8a-12n                       |                            |
| 22-May-13 | W  | 0   | 0   | 0   | 8   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 8     |                    | Rain 12a-10a, 10p-11p             |                            |
| 23-May-13 | T  | 0   | 0   | 0   | 0   | 7    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 9     |                    |                                   |                            |
| 24-May-13 | F  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       |                    | Rain 12a-8p                       | 15                         |
| 25-May-13 | S  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    |       |                    | Rain 2a-5p, 6p-7p, 11p-12m        | 15                         |
| 26-May-13 | S  | 0   | 0   | 0   | 0   | 5    | 2    | 9    | 0    | 6    | 0    | 2    | 0    | 0    | 0    | 0    | 24    |                    | Rain 12a-5a, 7a-9a, 12n-1p, 4p-7p |                            |
| 27-May-13 | M  | 0   | 0   | 0   | 0   | 2    | 1    | 3    | 4    | 3    | 0    | 0    | 0    | 1    | 0    | 0    | 14    |                    |                                   |                            |
| 28-May-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 3    | 2    | 0    | 1    | 4    | 0    | 0    | 0    | 10    |                    |                                   |                            |
| 29-May-13 | W  | 0   | 0   | 0   | 0   | 0    | 6    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       |                    | Rain 10a-6p                       | 15                         |
| 30-May-13 | T  | 0   | 1   | 0   | 0   | 0    | 8    | 2    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 13    |                    |                                   |                            |
| 31-May-13 | F  | 0   | 0   | 2   | 0   | 0    | 3    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 7     |                    |                                   |                            |
| 188       |    |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |       |                    |                                   |                            |

| May-13                  |        |
|-------------------------|--------|
| Mean                    | 6.96   |
| Standard Error          | 1.34   |
| Median                  | 5.00   |
| Mode                    | 0.00   |
| Standard Deviation      | 6.94   |
| Sample Variance         | 48.19  |
| Kurtosis                | 0.37   |
| Skewness                | 0.96   |
| Range                   | 24.00  |
| Minimum                 | 0.00   |
| Maximum                 | 24.00  |
| Sum                     | 188.00 |
| Count                   | 27.00  |
| Confidence Level(95.0%) | 2.75   |



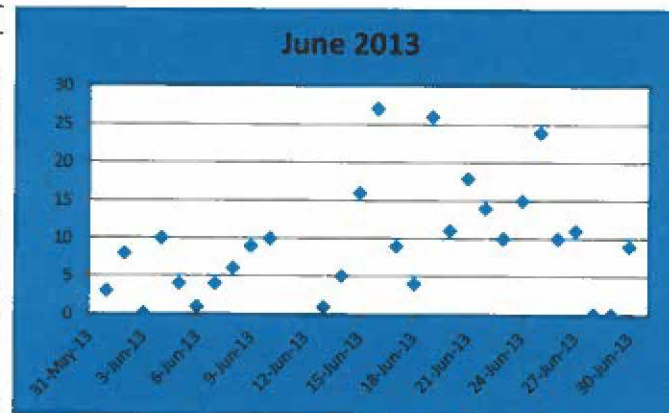
| Bins | Bin  | Frequency |
|------|------|-----------|
| 0    | 0    | 7         |
| 10   | 10   | 13        |
| 20   | 20   | 5         |
| 30   | 30   | 2         |
| More | More | 0         |



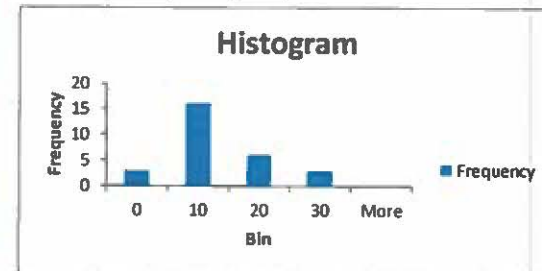
## Triad: June 2013

| Date      | DW | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed                    |
|-----------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|----------------------------------|
| 1-Jun-13  | S  | 1   | 0   | 0   | 0   | 0    | 0    | 0    | 1    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 3     |                                  |
| 2-Jun-13  | S  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 1    | 0    | 0    | 7    | 0    | 0    | 0    | 0    | 8     |                                  |
| 3-Jun-13  | M  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                                  |
| 4-Jun-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 3    | 0    | 0    | 0    | 5    | 0    | 0    | 2    | 0    | 10    | Rain 9a-11a                      |
| 5-Jun-13  | W  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 2    | 0    | 4     |                                  |
| 6-Jun-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     |                                  |
| 7-Jun-13  | F  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 1    | 1    | 0    | 0    | 4     | Rain 7p-12m                      |
| 8-Jun-13  | S  | 0   | 0   | 0   | 0   | 0    | 0    | 6    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 6     | Rain 12a-10a                     |
| 9-Jun-13  | S  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 7    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 9     |                                  |
| 10-Jun-13 | M  | 0   | 0   | 0   | 0   | 1    | 0    | 0    | 4    | 3    | 2    | 0    | 0    | 0    | 0    | 0    | 10    |                                  |
| 11-Jun-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                                  |
| 12-Jun-13 | W  | D9  | 0   | D51 | D68 | D42  | 0    | D7   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | Rain 6a-10p                      |
| 13-Jun-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | Rain 1a-4a, 5a-2p, 5p-7p, 8p-12m |
| 14-Jun-13 | F  | 0   | 0   | 0   | 2   | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 5     | 12m-3a                           |
| 15-Jun-13 | S  | 0   | 0   | 0   | 1   | 0    | 3    | 0    | 7    | 3    | 2    | 0    | 0    | 0    | 0    | 0    | 16    |                                  |
| 16-Jun-13 | S  | 0   | 0   | 10  | 5   | 0    | 0    | 9    | 0    | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 27    |                                  |
| 17-Jun-13 | M  | 0   | 0   | 0   | 6   | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 9     | Rain 3p-5p                       |
| 18-Jun-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 2    | 1    | 1    | 0    | 0    | 0    | 4     |                                  |
| 19-Jun-13 | W  | 0   | 0   | 8   | 2   | 0    | 2    | 0    | 9    | 1    | 2    | 2    | 0    | 0    | 0    | 0    | 26    |                                  |
| 20-Jun-13 | T  | 0   | 0   | 0   | 1   | 0    | 1    | 2    | 0    | 3    | 1    | 0    | 3    | 0    | 0    | 0    | 11    |                                  |
| 21-Jun-13 | F  | 0   | 0   | 0   | 4   | 0    | 0    | 2    | 0    | 0    | 2    | 8    | 2    | 0    | 0    | 0    | 18    |                                  |
| 22-Jun-13 | S  | 0   | 0   | 3   | 3   | 2    | 0    | 0    | 0    | 2    | 0    | 3    | 1    | 0    | 0    | 0    | 14    |                                  |
| 23-Jun-13 | S  | 0   | 0   | 0   | 0   | 0    | 0    | 10   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 10    | Rain 10p-12m                     |
| 24-Jun-13 | M  | 0   | 0   | 4   | 4   | 0    | 3    | 0    | 1    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 15    |                                  |
| 25-Jun-13 | T  | 0   | 1   | 0   | 0   | 0    | 1    | 5    | 0    | 9    | 8    | 0    | 0    | 0    | 0    | 0    | 24    | Rain 7p-10p                      |
| 26-Jun-13 | W  | 0   | 0   | 0   | 0   | 0    | 4    | 0    | 0    | D13  | 6    | 0    | 0    | 0    | 0    | 0    | 10    | Rain 12n-1p, 4p-6p, 8p-9p        |
| 27-Jun-13 | T  | 0   | 0   | 1   | 1   | 0    | 6    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 11    | Rain 11p-12m                     |
| 28-Jun-13 | F  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | Rain 12m-6a,                     |
| 29-Jun-13 | S  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | Rain 2p-3p                       |
| 30-Jun-13 | S  | 0   | 0   | 0   | 0   | 0    | 0    | 2    | 5    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 9     |                                  |
| 265       |    |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |       |                                  |

| Jun-13                  |        |
|-------------------------|--------|
| Mean                    | 9.46   |
| Standard Error          | 1.43   |
| Median                  | 9.00   |
| Mode                    | 10.00  |
| Standard Deviation      | 7.56   |
| Sample Variance         | 57.15  |
| Kurtosis                | 0.34   |
| Skewness                | 0.88   |
| Range                   | 27.00  |
| Minimum                 | 0.00   |
| Maximum                 | 27.00  |
| Sum                     | 265.00 |
| Count                   | 28.00  |
| Confidence Level(95.0%) | 2.93   |



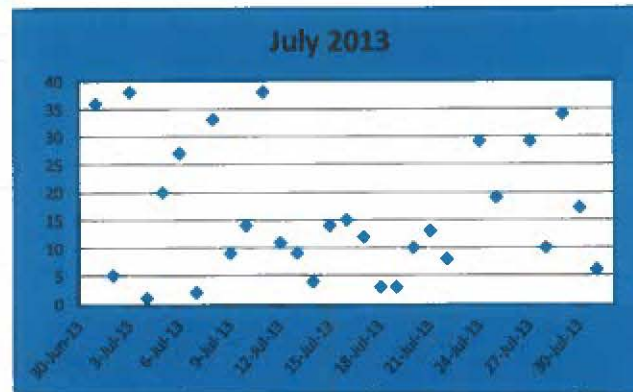
| Bins | Bin  | Frequency |
|------|------|-----------|
| 0    | 0    | 3         |
| 10   | 10   | 16        |
| 20   | 20   | 6         |
| 30   | 30   | 3         |
| More | More | 0         |



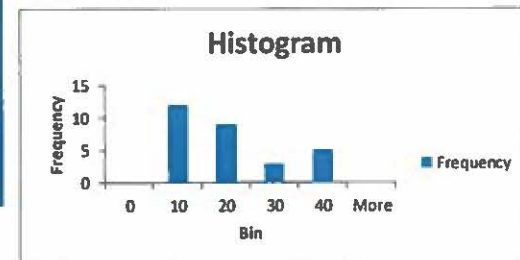
## Triad: July 2013

| Date      | DW | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed              |
|-----------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|----------------------------|
| 1-Jul-13  | M  | 0   | 0   | 3   | 0   | 3    | 5    | 9    | 9    | 5    | 0    | 0    | 0    | 2    | 0    | 0    | 36    | Rain 9p-12m                |
| 2-Jul-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 2    | 1    | 0    | 0    | 5     | 12m-9a,4p-6p               |
| 3-Jul-13  | W  | 0   | 0   | 1   | 6   | 8    | 7    | 5    | 9    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 38    |                            |
| 4-Jul-13  | T  | 0   | 1   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     |                            |
| 5-Jul-13  | F  | 0   | 0   | 0   | 0   | 0    | 0    | 8    | 5    | 1    | 4    | 0    | 0    | 2    | 0    | 0    | 20    |                            |
| 6-Jul-13  | S  | 0   | 0   | 0   | 0   | 2    | 2    | 0    | 4    | 18   | 1    | 0    | 0    | 0    | 0    | 0    | 27    |                            |
| 7-Jul-13  | S  | 0   | 0   | 0   | 0   | 0    | 1    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 2     |                            |
| 8-Jul-13  | M  | 0   | 0   | 0   | 3   | 4    | 13   | 6    | 4    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 33    | Rain 5a-7a                 |
| 9-Jul-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 3    | 0    | 0    | 6    | 0    | 0    | 0    | 0    | 9     | Rain 4a-6a                 |
| 10-Jul-13 | W  | 0   | 0   | 0   | 0   | 0    | 12   | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 14    | Rain 11p-12m               |
| 11-Jul-13 | T  | 0   | 0   | 0   | 5   | 9    | 7    | 2    | 7    | 8    | 0    | 0    | 0    | 0    | 0    | 0    | 38    | Rain 12m-1a                |
| 12-Jul-13 | F  | 0   | 0   | 0   | 0   | 0    | 0    | 5    | 0    | 0    | 2    | 3    | 1    | 0    | 0    | 0    | 11    |                            |
| 13-Jul-13 | S  | 0   | 0   | 0   | 0   | 0    | 1    | 1    | 0    | 2    | 3    | 0    | 2    | 0    | 0    | 0    | 9     |                            |
| 14-Jul-13 | S  | 0   | 1   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 4     |                            |
| 15-Jul-13 | M  | 0   | 0   | 0   | 0   | 0    | 0    | 2    | 8    | 0    | 1    | 3    | 0    | 0    | 0    | 0    | 14    |                            |
| 16-Jul-13 | T  | 0   | 0   | 8   | 0   | 1    | 6    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 15    |                            |
| 17-Jul-13 | W  | 2   | 5   | 0   | 4   | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 12    | Rain 11p-12m               |
| 18-Jul-13 | T  | 0   | 0   | 0   | 0   | 1    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3     | Rain 11p-12m               |
| 19-Jul-13 | F  | 0   | 0   | 1   | 2   | 033  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3     | Rain 3a-4a                 |
| 20-Jul-13 | S  | 0   | 0   | 0   | 0   | 6    | 0    | 0    | 0    | 0    | 0    | 3    | 0    | 1    | 0    | 0    | 10    | Rain 5p-7p                 |
| 21-Jul-13 | S  | 0   | 0   | 0   | 0   | 0    | 6    | 0    | 3    | 0    | 3    | 1    | 0    | 0    | 0    | 0    | 13    |                            |
| 22-Jul-13 | M  | 0   | 2   | 2   | 0   | 0    | 0    | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0    | 8     |                            |
| 23-Jul-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       | Rain 5a-1p, 7p-9p          |
| 24-Jul-13 | W  | 0   | 014 | 0   | 5   | 7    | 2    | 2    | 10   | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 29    |                            |
| 25-Jul-13 | T  | 0   | 0   | 0   | 8   | 0    | 4    | 0    | 4    | 1    | 0    | 2    | 0    | 0    | 0    | 0    | 19    |                            |
| 26-Jul-13 | F  | 0   | 1   | 1   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       | Rain 12a-4p, 7p-8p, 9p-12m |
| 27-Jul-13 | S  | 0   | 074 | 2   | 1   | 0    | 1    | 0    | 11   | 2    | 6    | 4    | 0    | 0    | 2    | 0    | 29    | Rain 1a-4a                 |
| 28-Jul-13 | S  | 0   | 0   | 0   | 0   | 4    | 0    | 0    | 0    | 6    | 0    | 0    | 0    | 0    | 0    | 0    | 10    | Rain 11a-2p                |
| 29-Jul-13 | M  | 0   | 08  | 0   | 0   | 7    | 6    | 3    | 5    | 8    | 5    | 0    | 0    | 0    | 0    | 0    | 34    |                            |
| 30-Jul-13 | T  | 0   | 0   | 0   | 0   | 3    | 0    | 7    | 3    | 0    | 4    | 0    | 0    | 0    | 0    | 0    | 17    |                            |
| 31-Jul-13 | W  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 4    | 0    | 0    | 6     |                            |
| 469       |    |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |       |                            |

| Jul-13                  |        |
|-------------------------|--------|
| Mean                    | 16.17  |
| Standard Error          | 2.19   |
| Median                  | 13.00  |
| Mode                    | 38.00  |
| Standard Deviation      | 11.77  |
| Sample Variance         | 138.65 |
| Kurtosis                | -0.88  |
| Skewness                | 0.64   |
| Range                   | 37.00  |
| Minimum                 | 1.00   |
| Maximum                 | 38.00  |
| Sum                     | 469.00 |
| Count                   | 29.00  |
| Confidence Level(95.0%) | 4.48   |



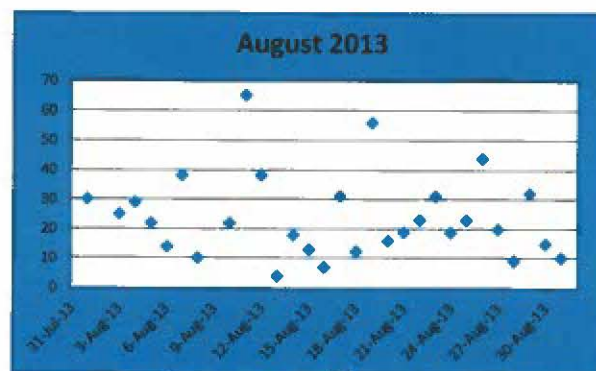
| Bin  | Bin | Frequency |
|------|-----|-----------|
| 0    | 0   | 0         |
| 10   | 10  | 12        |
| 20   | 20  | 9         |
| 30   | 30  | 3         |
| 40   | 40  | 5         |
| More |     | 0         |



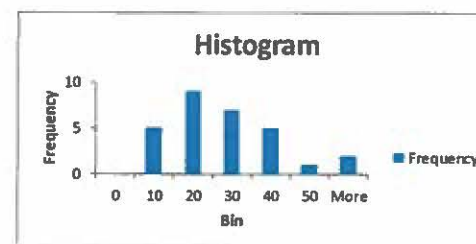
## Triad: August 2013

| Date      | DW | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total |                             | Hours Removed |
|-----------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|-----------------------------|---------------|
| 1-Aug-13  | T  | 0   | 0   | 0   | 0   | 8    | 5    | 9    | 3    | 5    | 0    | 0    | 0    | 0    | 0    | 0    | 30    |                             |               |
| 2-Aug-13  | F  | 0   | 0   | 0   | 0   | 4    | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0    | 0    |       |                             |               |
| 3-Aug-13  | S  | 0   | D12 | 3   | 2   | 2    | 0    | 6    | 0    | 6    | 2    | 0    | 4    | 0    | 0    | 0    | 25    | Rain 3a-9a, 10a-11a, 12n-4p | 15            |
| 4-Aug-13  | S  | 0   | 0   | 0   | 8   | 13   | 2    | 6    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 29    | Rain 10-12n                 | 1             |
| 5-Aug-13  | M  | 0   | 0   | 0   | 2   | 2    | 2    | 0    | 5    | 3    | 3    | 5    | 0    | 0    | 0    | 0    | 22    |                             |               |
| 6-Aug-13  | T  | 0   | 3   | 0   | 0   | 1    | 9    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 14    |                             |               |
| 7-Aug-13  | W  | 0   | 0   | 3   | 2   | 5    | 7    | 5    | 0    | 0    | 5    | 3    | 0    | 4    | 4    | 0    | 38    |                             |               |
| 8-Aug-13  | T  | 0   | 0   | 0   | 0   | 3    | D12  | 0    | 0    | 7    | 0    | 0    | 0    | 0    | 0    | 0    | 10    | Rain 8a-11a                 | 1             |
| 9-Aug-13  | F  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       | Rain 6a-1p, 2p-10p          | 15            |
| 10-Aug-13 | S  | 0   | 0   | 0   | 0   | 5    | 7    | 0    | 0    | 2    | 2    | 3    | 3    | 0    | 0    | 0    | 22    |                             |               |
| 11-Aug-13 | S  | 0   | 3   | 7   | 9   | 0    | 12   | 0    | 0    | 12   | 22   | 0    | 0    | 0    | 0    | 0    | 65    |                             |               |
| 12-Aug-13 | M  | 0   | 0   | 0   | 7   | 0    | 15   | 0    | 4    | 4    | 4    | 4    | 0    | 0    | 0    | 0    | 38    |                             |               |
| 13-Aug-13 | T  | 0   | 0   | 0   | 0   | 0    | 2    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 4     |                             |               |
| 14-Aug-13 | W  | 0   | 0   | 0   | 0   | 0    | 4    | 7    | 0    | 0    | 5    | 1    | 1    | 0    | 0    | 0    | 18    |                             |               |
| 15-Aug-13 | T  | 0   | 0   | 0   | 0   | 0    | 4    | 0    | 2    | 4    | 0    | 3    | 0    | 0    | 0    | 0    | 13    |                             |               |
| 16-Aug-13 | F  | 0   | 2   | 0   | 0   | 0    | 4    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 7     |                             |               |
| 17-Aug-13 | S  | 0   | 0   | 0   | 4   | 0    | 5    | 2    | 7    | 8    | 3    | 0    | 2    | 0    | 0    | 0    | 31    |                             |               |
| 18-Aug-13 | S  | 0   | 0   | 0   | 2   | 3    | 4    | 0    | 0    | 2    | 0    | 1    | 0    | 0    | 0    | 0    | 12    |                             |               |
| 19-Aug-13 | M  | 0   | 0   | 0   | 0   | 17   | 18   | 6    | 6    | 9    | 0    | 0    | 0    | 0    | 0    | 0    | 56    |                             |               |
| 20-Aug-13 | T  | 0   | 2   | 0   | 3   | 4    | 3    | 0    | 0    | 0    | 3    | 1    | 0    | 0    | 0    | 0    | 16    |                             |               |
| 21-Aug-13 | W  | 0   | 0   | 0   | 0   | 0    | 2    | 8    | 3    | 6    | 0    | 0    | 0    | 0    | 0    | 0    | 19    |                             |               |
| 22-Aug-13 | T  | 0   | 0   | 0   | 5   | 8    | 1    | 0    | 0    | 0    | 9    | 0    | 0    | 0    | 0    | 0    | 23    |                             |               |
| 23-Aug-13 | F  | 0   | 0   | 0   | 0   | 0    | 0    | 12   | 10   | 9    | 0    | 0    | 0    | 0    | 0    | 0    | 31    | Rain 1a-3a                  |               |
| 24-Aug-13 | S  | 0   | 0   | 3   | 3   | 2    | 0    | 3    | 5    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 19    |                             |               |
| 25-Aug-13 | S  | 0   | 0   | 0   | 0   | 0    | 7    | 0    | 5    | 7    | 4    | 0    | 0    | 0    | 0    | 0    | 23    |                             |               |
| 26-Aug-13 | M  | 0   | 0   | 0   | 0   | 17   | 0    | 8    | 6    | 5    | 2    | 2    | 2    | 2    | 0    | 0    | 44    | Rain 6a-8a                  |               |
| 27-Aug-13 | T  | 0   | 0   | 0   | 0   | 3    | 0    | 5    | 12   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 20    |                             |               |
| 28-Aug-13 | W  | 0   | 0   | 0   | 0   | 3    | 0    | 2    | 0    | 3    | 0    | 0    | 1    | 0    | 0    | 0    | 9     | Rain 6p-8p                  |               |
| 29-Aug-13 | T  | 0   | 0   | 0   | 0   | 2    | 0    | 0    | 2    | 4    | 13   | 11   | 0    | 0    | 0    | 0    | 32    | Rain 8a-9a                  |               |
| 30-Aug-13 | F  | 0   | 0   | 0   | 0   | 0    | 1    | 0    | 6    | 8    | 0    | 0    | 0    | 0    | 0    | 0    | 15    |                             |               |
| 31-Aug-13 | S  | 0   | 0   | 0   | 0   | 2    | 0    | 3    | 2    | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 10    | Rain 2a-4a                  |               |
| 695       |    |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |       |                             |               |

| Aug-13                  |        |
|-------------------------|--------|
| Mean                    | 23.97  |
| Standard Error          | 2.64   |
| Median                  | 22.00  |
| Mode                    | 22.00  |
| Standard Deviation      | 14.20  |
| Sample Variance         | 201.75 |
| Kurtosis                | 1.61   |
| Skewness                | 1.20   |
| Range                   | 61.00  |
| Minimum                 | 4.00   |
| Maximum                 | 65.00  |
| Sum                     | 695.00 |
| Count                   | 29.00  |
| Confidence Level(95.0%) | 5.40   |



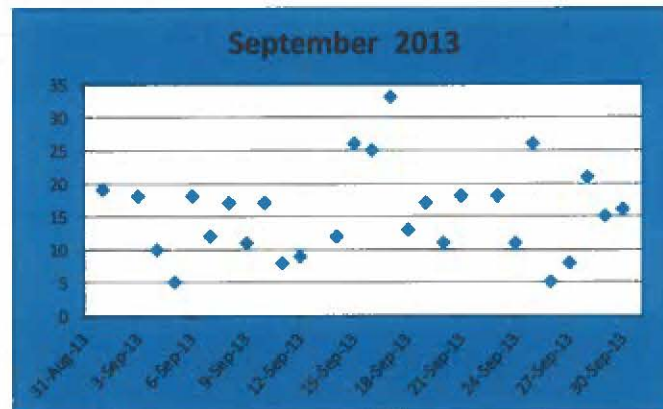
| Bins | Bin | Frequency |
|------|-----|-----------|
| 0    | 0   | 0         |
| 10   | 10  | 5         |
| 20   | 20  | 9         |
| 30   | 30  | 7         |
| 40   | 40  | 5         |
| 50   | 50  | 1         |
| More |     | 2         |



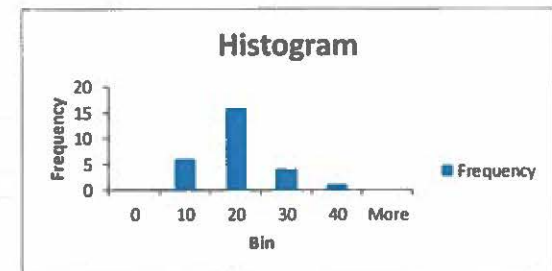
## Triad: September 2013

| Date      | DW | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total |                                      | Hours Removed              |
|-----------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|--------------------------------------|----------------------------|
| 1-Sep-13  | S  | 0   | 0   | 0   | 0   | 8    | 3    | 2    | 6    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 19    | Rain 1a-3a                           |                            |
| 2-Sep-13  | M  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       | Rain 2a-4a, 5a-7a, 9a-12m            | 15                         |
| 3-Sep-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 7    | 11   | 0    | 0    | 0    | 0    | 0    | 0    | 18    | Rain 8p-10p                          |                            |
| 4-Sep-13  | W  | 0   | 0   | 5   | 0   | 0    | 0    | 0    | 0    | 1    | 4    | 0    | 0    | 0    | 0    | 0    | 10    |                                      |                            |
| 5-Sep-13  | T  | 0   | 2   | 0   | 0   | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 5     | Rain 3a-10a                          |                            |
| 6-Sep-13  | F  | 0   | 0   | 2   | 2   | 0    | 7    | 0    | 4    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 18    |                                      |                            |
| 7-Sep-13  | S  | 0   | 0   | 2   | 0   | 0    | 1    | 0    | 0    | 0    | 3    | 0    | 6    | 0    | 0    | 0    | 12    | Rain 1p-12m                          | Weekend-did not delete day |
| 8-Sep-13  | S  | 0   | 0   | 0   | 0   | 0    | 1    | 0    | 5    | 5    | 6    | 0    | 0    | 0    | 0    | 0    | 17    | Rain 5a-8a, 9a-12n                   |                            |
| 9-Sep-13  | M  | 0   | 0   | 0   | 0   | 0    | 0    | 6    | 0    | 3    | 2    | 0    | 0    | 0    | 0    | 0    | 11    |                                      |                            |
| 10-Sep-13 | T  | 0   | 0   | 0   | 1   | 5    | 3    | 0    | 7    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 17    |                                      |                            |
| 11-Sep-13 | W  | 0   | 0   | 0   | 0   | D32  | 5    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 8     | Rain 11p-12m                         | 1                          |
| 12-Sep-13 | T  | 0   | 0   | 1   | 0   | 0    | 1    | 0    | 7    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 9     | Rain 12m-2a                          |                            |
| 13-Sep-13 | F  | 0   | 0   | 0   | 0   | 6    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 13    | Rain 12a-3a, 6a-7a, 8a-1p, 3p-5p, 7p | 15                         |
| 14-Sep-13 | S  | 0   | 0   | 0   | 2   | 0    | 0    | 7    | 0    | 2    | 0    | 0    | 1    | 0    | 0    | 0    | 12    |                                      |                            |
| 15-Sep-13 | S  | 1   | 0   | 3   | 7   | 3    | 2    | 0    | 5    | 0    | 0    | 3    | 2    | 0    | 0    | 0    | 26    |                                      |                            |
| 16-Sep-13 | M  | 0   | 0   | 0   | 0   | 2    | 8    | 8    | 0    | 4    | 3    | 0    | 0    | 0    | 0    | 0    | 25    |                                      |                            |
| 17-Sep-13 | T  | 0   | 0   | 7   | 2   | 9    | 2    | 1    | 0    | 8    | 4    | 0    | 0    | 0    | 0    | 0    | 33    |                                      |                            |
| 18-Sep-13 | W  | 0   | 0   | 0   | 2   | 7    | 0    | 4    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 13    |                                      |                            |
| 19-Sep-13 | T  | 0   | 0   | 3   | 2   | 4    | 2    | 0    | 3    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 17    |                                      |                            |
| 20-Sep-13 | F  | 0   | 0   | 0   | 0   | 2    | 6    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 11    |                                      |                            |
| 21-Sep-13 | S  | 0   | 0   | 0   | 4   | 0    | 0    | 5    | 2    | 0    | 6    | 1    | 0    | 0    | 0    | 0    | 18    |                                      |                            |
| 22-Sep-13 | S  | 0   | 0   | 4   | 4   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |       | Rain 7a-1p,                          | 15                         |
| 23-Sep-13 | M  | 0   | 0   | 0   | 1   | 5    | 3    | 0    | 9    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 18    |                                      |                            |
| 24-Sep-13 | T  | 0   | 0   | 0   | 2   | 0    | 0    | 0    | 0    | 7    | 0    | 2    | 0    | 0    | 0    | 0    | 11    |                                      |                            |
| 25-Sep-13 | W  | 0   | 0   | 2   | 7   | 10   | 3    | 2    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 26    |                                      |                            |
| 26-Sep-13 | T  | 0   | 0   | 0   | 0   | 3    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 5     |                                      |                            |
| 27-Sep-13 | F  | 0   | 0   | 0   | 0   | 0    | 4    | 0    | 2    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 8     |                                      |                            |
| 28-Sep-13 | S  | 0   | 0   | 0   | 6   | 4    | 4    | 2    | 0    | 4    | 0    | 1    | 0    | 0    | 0    | 0    | 21    |                                      |                            |
| 29-Sep-13 | S  | 1   | 3   | 0   | 0   | 0    | 0    | 5    | 3    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 15    |                                      |                            |
| 30-Sep-13 | M  | 0   | 0   | 0   | 0   | 0    | 0    | 4    | 10   | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 16    |                                      |                            |
|           |    |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      | 419   |                                      |                            |

| Sep-13                  |          |
|-------------------------|----------|
| Mean                    | 15.51852 |
| Standard Error          | 1.301293 |
| Median                  | 16       |
| Mode                    | 18       |
| Standard Deviation      | 6.761716 |
| Sample Variance         | 45.7208  |
| Kurtosis                | 0.376403 |
| Skewness                | 0.641326 |
| Range                   | 28       |
| Minimum                 | 5        |
| Maximum                 | 33       |
| Sum                     | 419      |
| Count                   | 27       |
| Confidence Level(95.0%) | 2.674846 |



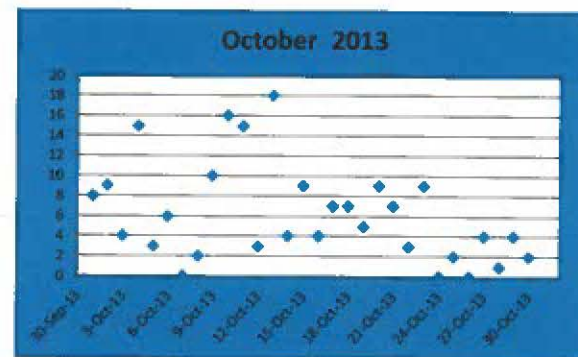
| Bins | Bin | Frequency |
|------|-----|-----------|
| 0    | 0   | 0         |
| 10   | 10  | 6         |
| 20   | 20  | 16        |
| 30   | 30  | 4         |
| 40   | 40  | 1         |
| More |     | 0         |



## Triad: October 2013

| Date      | DW | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | Total | Hours Removed        |
|-----------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|----------------------|
| 1-Oct-13  | T  | 0   | 0   | 0   | 0   | 0    | 3    | 0    | 3    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 8     |                      |
| 2-Oct-13  | W  | 0   | 0   | 0   | 0   | 5    | 0    | 0    | 1    | 0    | 1    | 1    | 1    | 0    | 0    | 0    | 9     |                      |
| 3-Oct-13  | T  | 0   | 0   | 0   | 0   | 4    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 4     |                      |
| 4-Oct-13  | F  | 0   | 0   | 1   | 9   | 0    | 3    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 15    |                      |
| 5-Oct-13  | S  | 0   | 0   | 0   | 2   | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3     |                      |
| 6-Oct-13  | S  | 0   | 0   | 0   | 0   | 0    | 5    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 6     | Rain 8p-12m,         |
| 7-Oct-13  | M  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | Rain 11p-12m, 12m-2a |
| 8-Oct-13  | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 1    | 1    | 0    | 0    | 0    | 0    | 0    | 2     |                      |
| 9-Oct-13  | W  | 0   | 0   | 1   | 0   | 9    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 10    |                      |
| 10-Oct-13 | T  | 2   | 2   | 0   | 0   | 2    | 4    | 0    | 3    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 16    |                      |
| 11-Oct-13 | F  | 0   | 0   | 0   | 0   | 11   | 0    | 0    | 3    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 15    |                      |
| 12-Oct-13 | S  | 0   | 0   | 0   | 0   | 0    | 0    | 1    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 3     |                      |
| 13-Oct-13 | S  | 0   | 0   | 0   | 0   | 2    | 5    | 4    | 2    | 1    | 4    | 0    | 0    | 0    | 0    | 0    | 18    |                      |
| 14-Oct-13 | M  | 0   | 0   | 0   | 4   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 4     |                      |
| 15-Oct-13 | T  | 0   | 0   | 0   | 0   | 6    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 9     |                      |
| 16-Oct-13 | W  | 0   | 0   | 0   | 3   | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 4     | Rain 12n-4p          |
| 17-Oct-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 3    | 4    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 7     |                      |
| 18-Oct-13 | F  | 0   | 0   | 0   | 0   | 0    | 0    | 5    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 7     | Rain 2a-9a           |
| 19-Oct-13 | S  | 0   | 0   | 0   | 0   | 0    | 0    | 3    | 1    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 5     |                      |
| 20-Oct-13 | S  | 0   | 0   | 3   | 0   | 0    | 0    | 4    | 1    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 9     | Rain 6a-7a           |
| 21-Oct-13 | M  | 0   | 0   | 4   | 0   | 0    | 0    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 7     |                      |
| 22-Oct-13 | T  | 0   | 0   | 0   | 0   | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3     |                      |
| 23-Oct-13 | W  | 0   | 0   | 0   | 0   | 9    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 9     |                      |
| 24-Oct-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     |                      |
| 25-Oct-13 | F  | 0   | 0   | 0   | 0   | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2     |                      |
| 26-Oct-13 | S  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | Rain 1p-3p, 4p-6p    |
| 27-Oct-13 | S  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 2    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 4     | Rain 5a-8a           |
| 28-Oct-13 | M  | 0   | 0   | 0   | 0   | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     |                      |
| 29-Oct-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 4    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 4     |                      |
| 30-Oct-13 | W  | 0   | 0   | 0   | 2   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2     |                      |
| 31-Oct-13 | T  | 0   | 0   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | Rain 3p-12m          |
|           |    |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      | 186   | 15                   |
|           |    |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |       | 219                  |

| Oct-13                  |          |
|-------------------------|----------|
| Mean                    | 6.2      |
| Standard Error          | 0.892369 |
| Median                  | 4.5      |
| Mode                    | 4        |
| Standard Deviation      | 4.887704 |
| Sample Variance         | 23.88966 |
| Kurtosis                | 0.200847 |
| Skewness                | 0.906857 |
| Range                   | 18       |
| Minimum                 | 0        |
| Maximum                 | 18       |
| Sum                     | 186      |
| Count                   | 30       |
| Confidence Level(95.0%) | 1.825099 |



| Bins | Bin | Frequency |
|------|-----|-----------|
| 0    | 0   | 3         |
| 5    | 5   | 13        |
| 10   | 10  | 10        |
| 15   | 15  | 2         |
| 20   | 20  | 2         |
| 25   | 25  | 0         |
| 30   | 30  | 0         |
| More |     | 0         |

