

**Towards Trash Free Waters:  
Quantifying Potential Aquatic Trash Recovery in the  
Hillsborough River Watershed**

**Prepared for**

Nestlé Waters North America

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**Prepared by**

Timothy G. Townsend (Principal Investigator)

Max J. Krause

Sarah A. Gustitus

Jeremy Toms

University of Florida

Gainesville, FL 32611

## Executive Summary

Despite advances in solid waste management and increased awareness of the negative environmental consequences of pollution, littering is still common in the US. Littering can be the result of carelessness, accidents, or intentional actions, but the effect is the same. In recent years, concerned citizens have increased their attention to litter in the Hillsborough River Watershed (HRW). The University of Florida (UF) research team collaborated with local municipalities and non-government organizations (NGOs) to quantify and map the quantity of collected litter within the HRW. Because much of the storm water within the HRW drains into the Hillsborough River, all of the litter within the watershed has the potential to become aquatic trash (PAT). The PAT that was collected in roadside and park cleanups before it made its way into the Tampa Bay or the Gulf of Mexico (recovered PAT) was cataloged into a database and mapped using ESRI ArcGIS software. Concentrations of recovered PAT were reported as pounds per acre for 1,015 cleanup events at 168 unique sites within the HRW from 2008-2014, shown in Figure E1. Additionally, educational campaigns such as storm drain markings and field visits by the WaterVentures mobile lab were mapped to identify where residents could be expected to have increased awareness of the negative issues associated with littering.

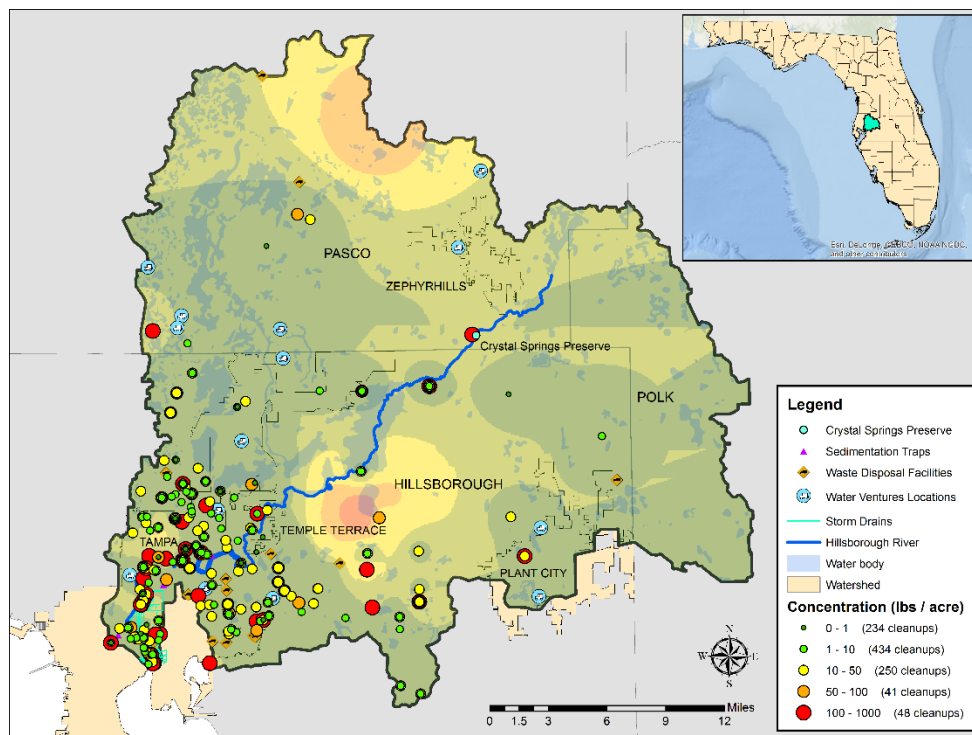


Figure E-1. Potential aquatic trash recovered in over 1,000 cleanup events from 2008-2014.

For all 5 years, median concentrations of PAT were 6.7, and 0.79 for the City of Tampa and the City of Temple Terrace, respectively. Median PAT concentrations for Hillsborough County and Pasco County were 4.8 and 37 lbs/acre, respectively. The discrepancy in concentrations is a result of the currently available data. It is not believed that the counties have significantly different PAT concentrations, however the data presented here are the reflection of data submitted to UF during the previous year. No data were obtained regarding PAT in Polk County. The increased frequency of cleanup events and recovered PAT indicate not that littering is increasing within the watershed, but, for the first time these data are being reported and quantified. The results of this study are the first phase in quantifying and assessing the issue of PAT within the HRW.

On February 24, 2015, the HRW Trash Free Waters (TFW) Partnership was formed to manage PAT within the HRW. From the research presented in this report, the Partnership will develop metrics to monitor progress made to clean and restore the Hillsborough River and other waterbodies within the watershed. In conjunction with the Environmental Protection Agency's (EPA) TFW Program, the Partnership established a Resolution to engage local communities and municipalities in their efforts to make the Hillsborough River and adjacent waterbodies, Trash Free Waters.

## **Acknowledgements**

The volunteers that have removed debris, trash, litter, waste, refuse, garbage, junk, and all other treasures from the waterways are truly appreciated for their efforts to better their local and global communities. Because of them, we are that much closer to Trash Free Waters. The authors would also like to acknowledge the following people for their contributions to this project and report: Debora Fillis Ryba (Nestlé Waters NA), Debbie Evenson (KTBB), Tom Damico (KTBB), Melinda Spell (TBW), Peter Clark (TBW), Heather Maggio (City of Tampa), Joe Gross (City of Temple Terrace), Adam Saslow (SRA), Laura Johnson (EPA), Lottie Kelly (Covanta), and Karen Pate (Crystal Springs Preserve).

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## **Abbreviations and Acronyms**

AT – Aquatic trash

EPA – United States Environmental Protection Agency

FDEP – Florida Department of Environmental Protection

HRCC – Hillsborough River & Coastal Cleanup

HRW – Hillsborough River watershed

KPB – Keep Pasco Beautiful

KPCB – Keep Polk County Beautiful

KTBB – Keep Tampa Bay Beautiful

MSW – Municipal solid waste

NW - Nestlé Waters North America

PAT – Potential aquatic trash

TBW – Tampa Bay Watch

TFW - Trash Free Waters program

TPAT – Total potential aquatic trash

UF – University of Florida

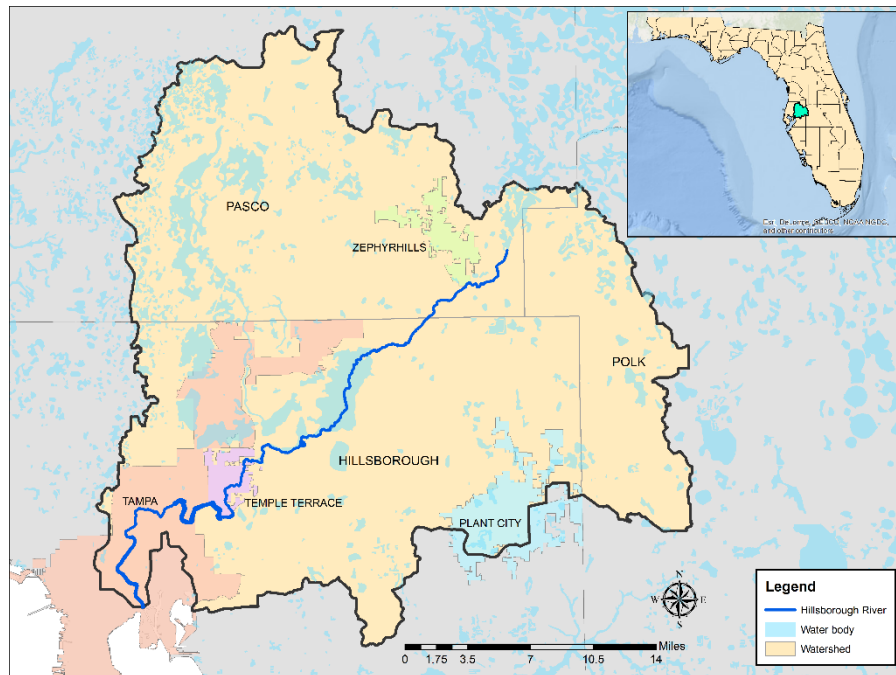
WTE – Waste to energy



## 1. Introduction

There is growing concern of the magnitudes and potential impact of unmanaged municipal solid wastes (MSW) in the marine and aquatic environments. MSW is made up of typical household wastes, such as paper, plastic, food scraps, beverage containers, and clothes. In a managed system, waste is disposed of in sanitary landfills or recovered for energy at a waste to energy (WTE) facility. When MSW is discarded inappropriately, it is considered litter. Litter has many negative societal impacts, increasing blight, reducing community value, and potential harm to human health and the environment (EPA 2015).

A watershed is an area of land that drains to a single location, or sink, usually a river or waterbody. Litter can be transported via rain runoff into the waterbody, where it becomes aquatic trash. Thus, any litter within a watershed can be considered potential aquatic trash (PAT). If the waterbody is connected to marine environments, the aquatic trash can be transported across the world (Jambeck et al. 2015). This is especially true in extreme storm events, such as hurricanes, where winds and storm surges can transport material over great distances.



**Figure 1-1: The Hillsborough River watershed**

Concerned citizens have organized groups to remove PAT from the Hillsborough River Watershed (HRW) and the 59 mile long Hillsborough River. This watershed covers 457,000 acres and spans portions of Hillsborough, Pasco, and Polk Counties in Southwest Florida, shown

in Figure 1-1. The waters of the Hillsborough River, along with any debris mobilized by its current, flow into Tampa Bay, the Gulf of Mexico, and the Atlantic Ocean.

### **1.1. Motivation**

The objective of this research was to (1) quantify the amount of PAT in the HRW and (2) develop a map and database of cleanup efforts that quantified PAT recovered from the watershed. The results of this work are the first phase of quantifying and managing PAT within the HRW. This research, in conjunction with the Environmental Protection Agency's (EPA) Trash Free Waters Program will be used to determine metrics for which local groups can use to assess cleanup and educational campaigns with the intent of making the Hillsborough River and other waterbodies within the HRW, trash free waters (TFW).

### **1.2. Scope**

Researchers at the University of Florida (UF) collected, compiled, and geographically categorized pertinent data on various PAT cleanup activities documented within the HRW from county and city governments, and several non-government organizations (NGOs). This data was provided to the researchers by various member organizations of HRW TFW Partnership. Data points spanned the watershed, from points in, adjacent to, and further than 10 miles or more from the Hillsborough River. A major objective of this project was to consolidate all of the collected data into an electronic database linked with global positioning system (GPS) data. Other information that was incorporated included storm drain markings, storm drain sedimentation traps, waste disposal facilities and educational campaigns. Additional guidance was provided by the EPA's Trash Free Waters Program in the Office of Wetlands, Oceans, and Watersheds.

### **1.3. Organization of Report**

Section 1 is an introduction to the Trash Free Waters project in the HRW, including motivation and scope of the current report. A brief overview of major groups involved in this project and background information regarding current solid waste management systems in place within the Counties is presented in Section 2. In Section 3, the materials and methods used are reported. Results, both by year and by area, are presented in Section 4 followed discussion of the data. Recommendations for improving data quality are offered in Section 5. Conclusions of the

report are located in Section 6. Appendix A is a walkthrough for using the Marine Debris Tracker. Appendix B is the map database, including cleanup data and locations.

## **2. Background Information**

### **2.1. EPA Trash Free Waters Program**

With the growing concern of marine debris, the EPA recently implemented the Trash Free Waters (TFW) program, which is focusing its efforts in the Southeastern US. The TFW program implementation consists of three phases. The first phase, reconnaissance, involves creating an inventory of existing program and efforts relating to aquatic trash. The second phase, regional strategizing, involves discussing and planning for the most effective routes to achieving trash free waterways. The third phase, implementation, involves supporting and implementing various projects, as well as setting and measuring goals.

Reconnaissance efforts occurred in towns along the Gulf of Mexico in 2014 and a task force waste established to begin establishing a Trash Free Waters effort for the Hillsborough River and adjacent waterbodies. The data collection and analysis by the UF research team began soon after to quantify the PAT within the HRW.

### **2.2. Keep Tampa Bay Beautiful**

Keep Tampa Bay Beautiful (KTBB), a local affiliate of Keep America Beautiful, is a non-profit organization that has been working to provide meaningful service to the Tampa Bay area since 1989. In 2012, they merged with a similar organization, Keep Hillsborough County Beautiful to increase their impact in the community. KTBB hosts various events to improve the quality of life in the area, including hosting various litter cleanups, lending recycling bins to local events, and creating adopt-a-road programs, along with other special events and educational programs. KTBB has removed over 125 tons of waste from their area and improved over 930 miles of road and 3,000 acres of public lands.

One of the most prominent events organized by KTBB is the Hillsborough River & Coastal Cleanup (HRCC). During this event, thousands of volunteers participate in cleanups along the Hillsborough River and other adjacent waterways throughout Hillsborough County. Volunteers not only collect and remove litter at this event, but also collect detailed data on the number and type of littered items that are collected, as well as the overall tonnage (Keep Tampa Bay Beautiful 2015).

### **2.3. Keep Pasco Beautiful**

Keep Pasco Beautiful (KPB) is a local affiliate of Keep America Beautiful in Pasco County. They were established in 1992 as Keep Pasco Clean and Green, and underwent a name change when they received their certification through Keep America Beautiful in 1994. Much like KTBB, KPB hosts various cleanup activities, including the annual Great American Cleanup, a Keep America Beautiful event hosted on the third Saturday of every April. In 2015, KPB attracted 497 volunteers to this event and recovered over 17 tons of PAT. They also host various recycling events, educational events, and hold an annual art contest for local high-schoolers based on art made of recycled materials (Keep Pasco Beautiful 2015).

### **2.4. WaterVentures**

WaterVentures: Florida's Learning Lab is a mobile science center with a focus on water education and increasing awareness of how water affects the average person's life. This customized 53 foot semi-trailer travels throughout Florida, making appearances at schools, communities and events. The WaterVentures truck is accompanied by a staff of trained educators who interact directly with the public to educate them on stewardship of Florida's diverse watersheds. Topics covered by the WaterVentures exhibits include aquifers, wetlands, the water cycle, water conservation, recycling, global affairs, the water molecule, watersheds, and hydrology (WaterVentures 2015).

### **2.5. Tampa Bay Watch**

Tampa Bay Watch (TBW) is a nonprofit organization established in 1993 that trains and organizes volunteers from various backgrounds to participate in environmental projects that benefit Tampa Bay. These environmental projects include salt marsh plantings, storm drain markings, oyster bar creation, coastal cleanups, and wildlife protection events. They also offer educational opportunities. Volunteers that participate in TBW activities include citizen volunteers, students, scout groups, at-risk youth and civic organizations. TBW regularly publishes newsletters, annual reports and long-term strategic plans for their restoration activities (Tampa Bay Watch, 2015).

## 2.6. Crystal Springs Preserve

Crystal Springs Preserve is a privately owned 525-acre sanctuary located in Crystal Springs, FL. The preserve's name comes from Crystal Springs, a magnitude 2 spring system located within the preserve, which is also the source of water for Zephyrhills Water. Crystal Springs Preserve offers a variety of educational programs and experiences for visitors, including school groups and other youth organizations. The preserve prides itself on giving visitors the opportunity for hands-on, directed learning opportunities among its miles of wooded trails, river boardwalks, nature center, wilderness pavilion and butterfly gardens (Crystal Springs Preserve 2015).

## 2.7. Recycling Programs in the Watershed

The state of Florida has a 75% recycling goal by 2020, which all Florida counties are required to assist in reaching by implementing their own recycling programs (FDEP, 2010a). In 2013, Hillsborough County led the state with a recycling rate of 73%. Pasco County and Polk County reported recycling rates of 67% and 29% respectively in the same year (FDEP, 2014). These recycling rates include both traditional recycling, as well as renewable energy credits as assigned by the Florida Department of Environmental Protection (FDEP, 2010a). WTE facilities that recover energy from the incineration of MSW are given recycling credit, which is counted towards the county recycling rate. Traditional recycling involves the recycling of items such as plastic containers, paper products and metal containers into new products. The traditional recycling rates for each county in the HRW since 2008 are displayed in Table 2-1.

**Table 2-1: Traditional recycling rates from 2008-2013 for each county in the Hillsborough River Watershed**

County	2008 <sup>1</sup>	2009 <sup>2</sup>	2010 <sup>3</sup>	2011 <sup>4</sup>	2012 <sup>5</sup>	2013 <sup>6</sup>
Hillsborough	38%	38%	42%	29%	40%	43%
Pasco	33%	38%	22%	24%	24%	36%
Polk	23%	23%	24%	29%	30%	25%

<sup>1</sup>FDEP, 2009; <sup>2</sup>FDEP, 2010b; <sup>3</sup>FDEP, 2011; <sup>4</sup>FDEP, 2012; <sup>5</sup>FDEP, 2013; <sup>6</sup>FDEP, 2014

### 2.7.1. Hillsborough County

Waste management in Hillsborough County is split into five districts and the City of Tampa. Unlike the rest of the county, the City of Tampa is not within a district, and manages its own trash and recycling collection. Within the five waste districts, each household is provided

with a 65-gallon blue recycling cart. A single stream recycling system is utilized, where all recyclable materials, including paper products, plastic containers (#1-7), plastic packaging, glass containers, aluminum cans, and other recyclables may all be commingled in one receptacle. Residents receive two garbage pickups, one recycling pickup, and one yard waste pickup each week. The City of Tampa recycles a range of items similar to what is recycled throughout the rest of county, with the exception of plastic films and packaging. Beginning in February 2013, the City of Tampa began transitioning its residents from 14-gallon blue recycling bins to 96-gallon green recycling carts. There are several household hazardous waste collection locations throughout Hillsborough County.

### **2.7.2. Pasco County**

Pasco County residents may recycle in any bin, can or cart that displays the reflective recycling sticker provided by their waste hauler. Residents who pay for twice-a-week curbside garbage pickup also receive recycling pickups at least twice a month. Only plastic, glass and metal containers may be recycled through curbside recycling. Paper recycling drop-offs are located at various fire stations, libraries, parks or schools throughout the county, and the profits from these drop-off locations typically go to the facility hosting them. Pasco County also offers recycling programs for a variety of household hazardous waste items including anti-freeze, fluorescent bulbs, and motor oil, among others.

### **2.7.3. Polk County**

Polk County offers curbside recycling in yellow bins. A single stream system is utilized in Polk County, which accepts glass bottles and jars, paper products, cartons, cardboard, newspaper, plastic containers (#1-7), and aluminum or tin cans. Recycling is collected weekly on the same day as garbage and yard trash. Four household hazardous waste collection centers are available throughout the county.

### **3. Materials and Methods**

Data were reported from a variety of sources to the UF research team. Most of the data had some location assigned, but further site descriptions were required to properly characterize and analyze the data. The mapping software, Google Earth Pro (<https://www.google.com/earth/>) was used to locate, identify, and determine acreage of sites on cleanup data cards. Microsoft Excel was used for statistical analyses and database management. ESRI's ArcGIS software suite was used to map the points from the database. The following sections describe the process and assumptions required to accurately develop the 2015 HRW PAT Assessment Map, referred herein as "the map."

#### **3.1. Data Collection**

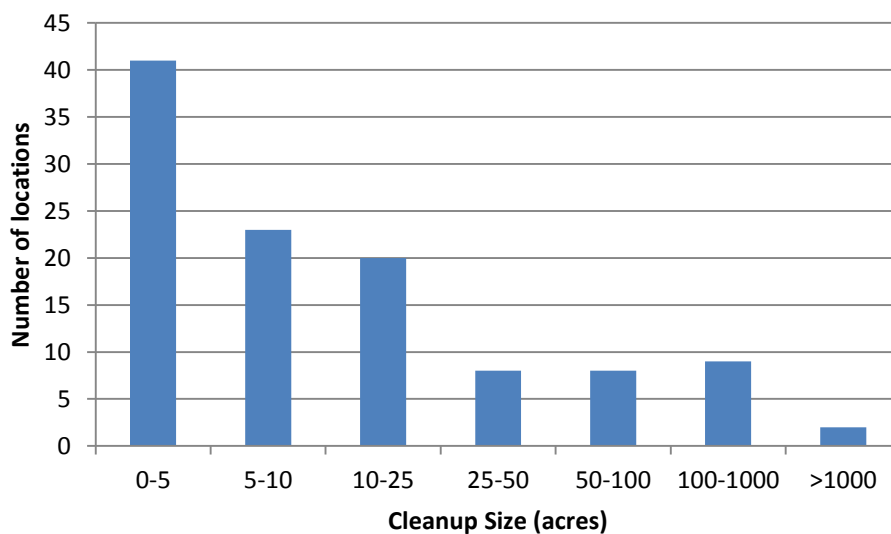
An initial call for data was announced in March 2014. KTBB and KPB responded to this call with data from cleanup activities that occurred from 2008-2014 in their respective areas, which amounted to a total of 1,970 points. These data points were geolocated and filtered by the UF research team until they were reduced to only points that fell within the watershed and had quantifiable information on litter collected; this resulted in 1,015 usable points. As the efforts of these organizations have progressed through the years, their methods for data keeping have done the same. Data collected in later years typically had a higher level of detail compared to data from earlier years. This data was preserved within the database, but for comparisons between years total weights were used. Locations for storm drain markers, storm drain sedimentation traps, waste disposal facilities and educational campaigns were also provided and added to the map.

#### **3.2. Data Assumptions**

In many instances, assumptions had to be made to ensure that every applicable data point could be represented as accurately as possible. As provided, data points were typically indicated by a location name without specific geographic coordinates, and often without an indication of the total area covered by the cleanup. Sites with discrete boundaries (e.g., schools, parks, businesses) were geolocated by UF and cleanup areas were determined using the area measurement tool in Google Earth Pro. Unless explicitly stated in the reported data, the entire area of the cleanup site was established as the cleanup area. For example, John B. Sargeant Park



is 23 acres and all cleanup events at this site were assumed to have covered the entire 23 acres (SFWMD 2015). The use of this data is described in the following section. When the location listed was a roadway, the cleanup was assumed to cover the width of a double lane road (50 feet) and a distance of 2 miles, covering 12 acres. When “Hillsborough River” was listed as the location, an area of 9 acres was assumed, which was the median size of all other identified cleanup areas within the watershed (excluding the 12 acre road cleanup sites). The median was used instead of the average, which was 61 acres, because of a non-normal distribution of cleanup location areas towards smaller cleanups. The distribution of the areas covered in cleanups, excluding those that are based on the above assumption, is displayed in Figure 3-1. Cleanup areas of very large sites (greater than 100 acres) are preserves and larger parks. Without descriptions of the actual sub-areas covered at those sites, the entire area was used to determine concentration.



**Figure 3-1: Distribution of areas covered during cleanups**

In many instances, the number of trash bags used for a cleanup was reported but total collected weights were not. The weight of litter can vary considerably and in these cases, an assumption of 20 lbs of PAT per bag was made. This is the assumption typically used by KAB in their reporting (Keep America Beautiful 2012). Therefore, in many cases, both the weight of PAT collected and the area in which it was recovered were determined from assumed values. Wherever possible, reported measurements were used.

### **3.3. PAT Concentration**

Cleanup data cards typically reported the number of bags and then a calculated weight based on the 20 lbs/bag assumption described in the previous section. The quantity of PAT recovered at a cleanup event was divided by the area of the cleanup site to determine a PAT concentration for that site. PAT concentrations (amount of waste in a specified area) are reported in lbs/acre. PAT concentrations were calculated for 1,015 points from 2008-2014 and were used in the development of the map.

### **3.4. Mapping**

Following the filtering of the data, the applicable data points were mapped using ESRI ArcGIS software. Water body, county, and city boundaries were obtained from the Florida Geographic Data Library (FGDL, 2015). The map was projected using the Albers Conical system. The geographic coordinate system (GCS) used was North American 1983 HARN.

PAT concentrations were represented as points which were scaled and color coded by the lbs/acre value. Once the points were plotted, tools available within ArcGIS were utilized to separate the locations into several distinct areas: Tampa, Plant City, Temple Terrace, unincorporated Hillsborough County, and unincorporated Pasco County. Data sets were also calculated for Hillsborough County and Pasco County in their entirety. No data points were provided within Polk County, which covers the easternmost portion of the watershed. To achieve these results, the ArcGIS tools that were used included project, buffer, clip, dissolve, and IDW (inverse distance weighted).

### **3.5. Waste Composition**

Historically, waste composition (components of the recovered PAT) was not recorded at all cleanup events. Waste composition was reported for the 2014 HRCC and these data were examined to determine if they could be used within the map or the Excel database. Waste composition was reported on each collection card by item count (not weight) and these data were imported into a separate Excel worksheet. These data have not been incorporated into the map, but the reported quantities of waste components from the 2014 HRCC are reported in the Results Section 4.3 and comments were made regarding the findings.

### **3.6. Total PAT in Watershed Areas**

Some of the data submitted to the UF research team were not able to be used for the development of the map. National Pollutant Discharge Elimination System (NPDES) permits submitted by counties contained data reported by the NGOs (e.g., KTBB, KPB, etc.) for litter removal. Additional cleanups in stormwater basins, stormwater sediment traps, and street sweeping collection directly managed by the municipalities were also reported. To further estimate the amount of unmanaged litter that was recovered before becoming aquatic trash, these data were used to estimate the total PAT (TPAT) within the municipality. Data were reported by quantity of items, bags, or volumes. Assumptions to normalize all data were required in each case. A specific weight of 220 lb/yd<sup>3</sup> for litter was used in the case of collected litter volumes (Tchobanoglous et al. 1993). Tires and furniture were also assumed to be 20 lbs/item. The fraction of county area that falls within the watershed was multiplied by the TPAT determined in the NPDES to estimate the concentration within the watershed. This assumes TPAT are distributed evenly throughout the county.

## 4. Results and Discussion

Data from a variety of sources were compiled to develop a map of the concentrations of recovered PAT within the HRW. Data submitted by counties in the NPDES permits were not typically geolocated and could not be added to the map. However, they could be used to estimate the TPAT within the county. Additionally, storm drain markings submitted by TBW were not associated with cleanup data, but were added to the map to identify areas where active educational campaigns are underway to inform residents of the environmental impacts of littering. Similarly, WaterVentures locations were added to the map to identify areas visited by the learning lab. Cleanup data results and the estimation of TPAT within the HRW are presented below.

### 4.1. Results by Year

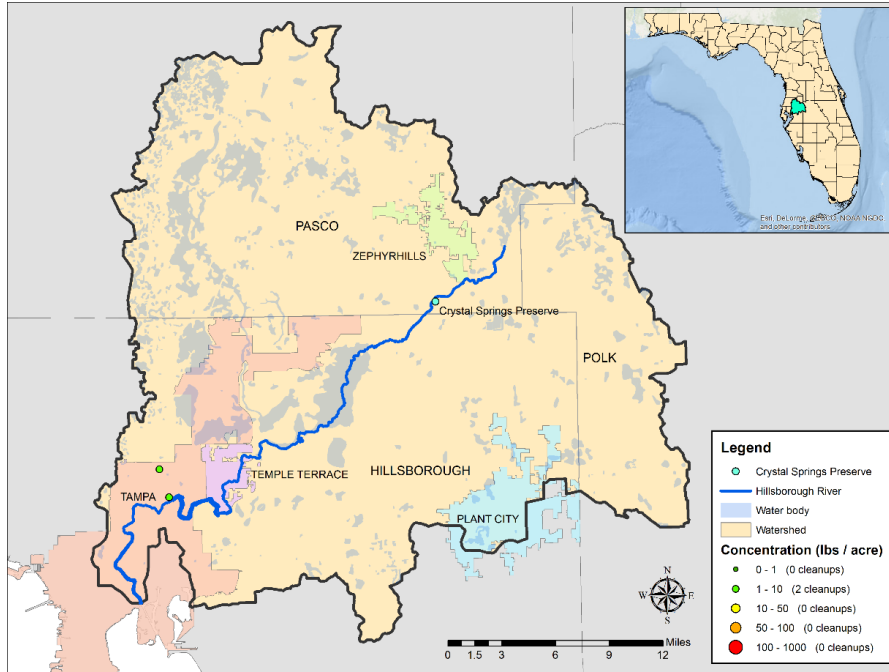
The number of submitted cleanup events with documented information on waste quantities increased significantly from 2008 to 2014. Due to the lack of available data at the time of completion of this report, 2015 was not reported here. The results by year are summarized in Table 4-1. In 2008, there were only two usable points in the watershed with documented waste quantities, both within the City of Tampa. The higher of these two points reported approximately 5.3 lbs/acre, and the lower reported 2.9 lbs/acre. In 2014, there were 235 applicable data points across the watershed. These points ranged in magnitude from 0.39-2800 lbs/acre, with 179 of these points falling below 20 lbs/acre. The greatest number of collection events reported occurred in 2013.

**Table 4-1: Summary of PAT collection events by year**

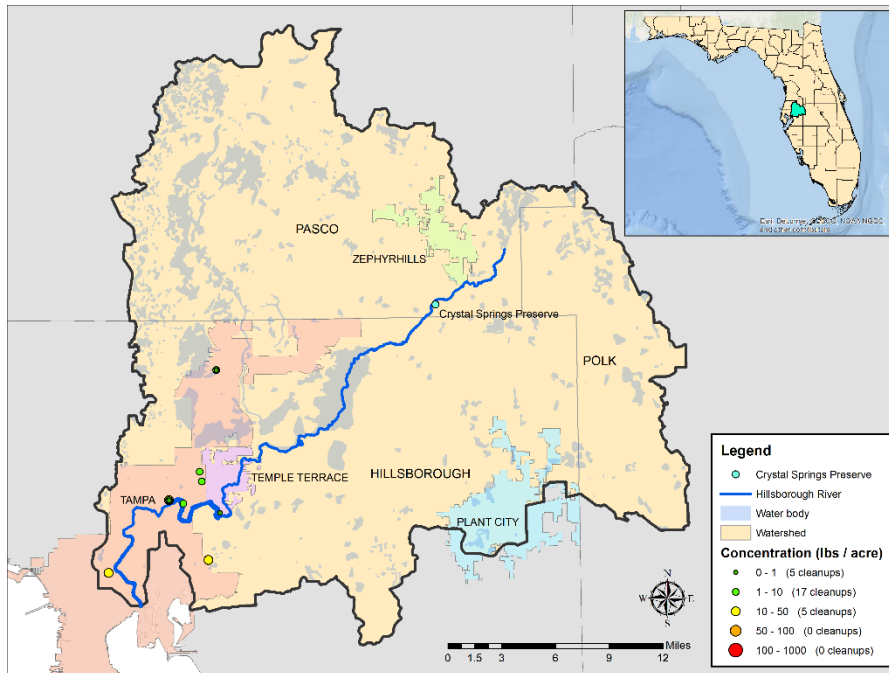
Year	Number of Events	PAT Collected		
		Minimum	Maximum	Median
2008	2	2.9	5.3	4.1
2009	27	0.59	24	4.8
2010	31	0.063	510	13
2011	181	0.39	7600	3.3
2012	255	0.39	4700	6.7
2013	279	0.063	3800	3.2
2014	235	0.39	2800	6.7

Figures 4-1 – 4-7 are the yearly cleanup efforts within the watershed from 2008-2014. Data are presented on a logarithmic scale (factors of 10). This emphasizes the point that the

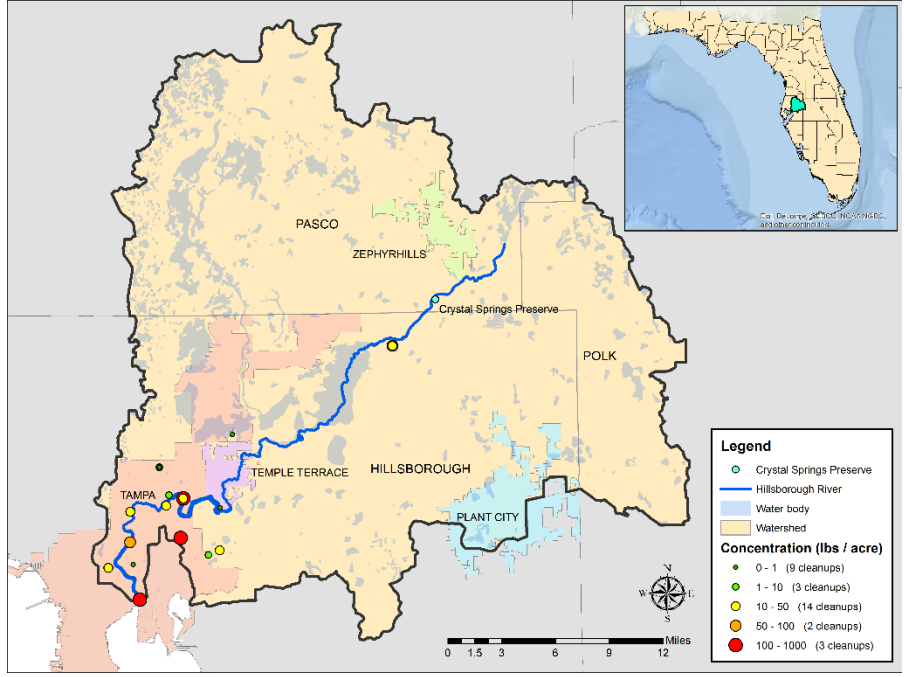
majority of cleanups were found to have low concentrations of PAT but a handful of larger cleanups reported high recoveries of PAT from the watershed. This is described in detail in the following section, Results by Area.



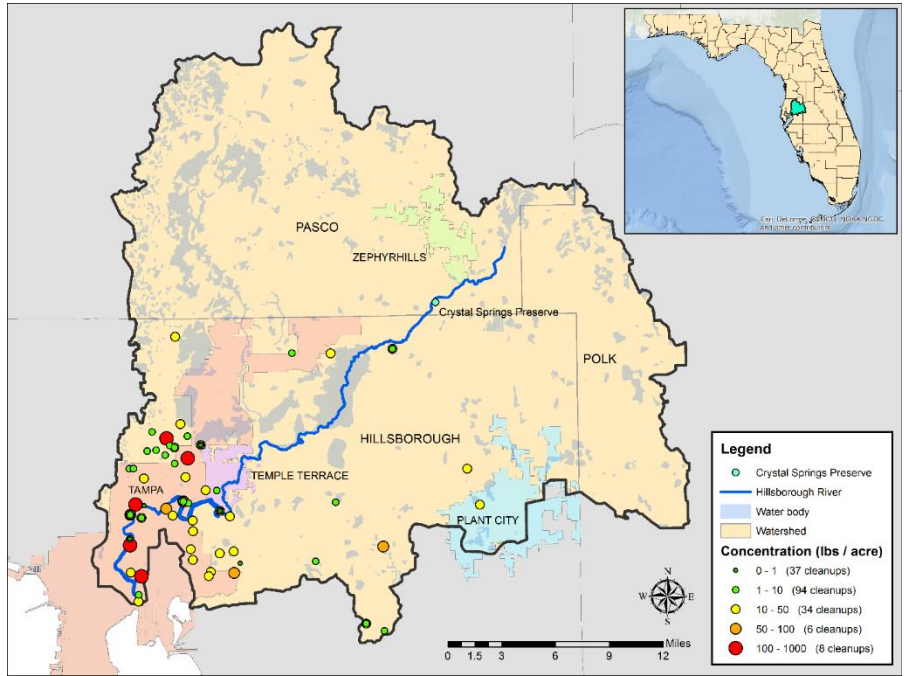
**Figure 4-1. There were 2 cleanup events in the HRW in 2008.**



**Figure 4-2. There were 27 cleanup events in the HRW in 2009.**



**Figure 4-3. There were 31 cleanup events in the HRW in 2010.**



**Figure 4-4. There were 181 cleanup events in the HRW in 2011.**

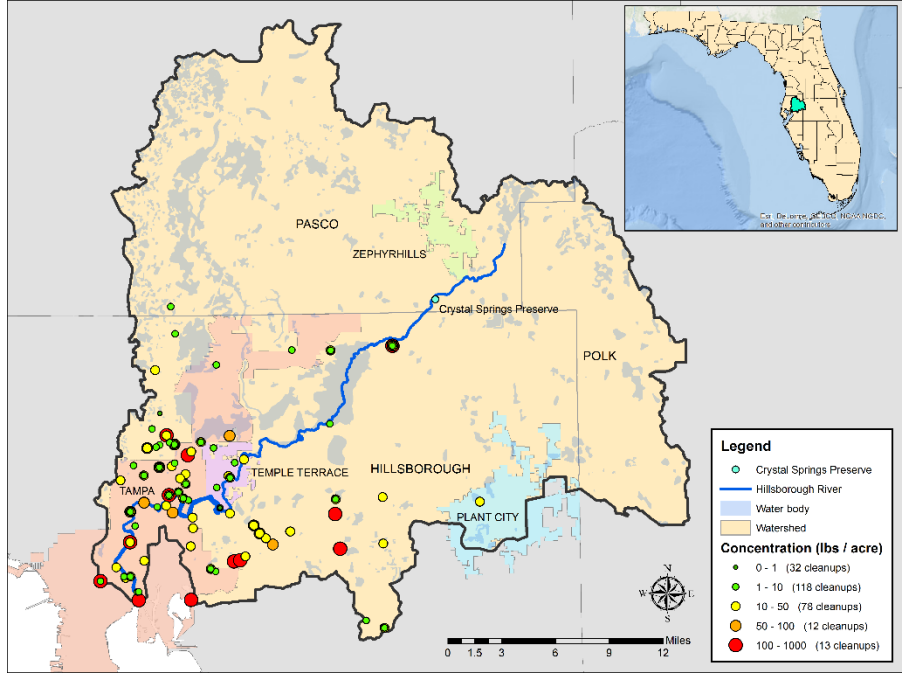


Figure 4-5. There were 255 cleanup events in the HRW in 2012.

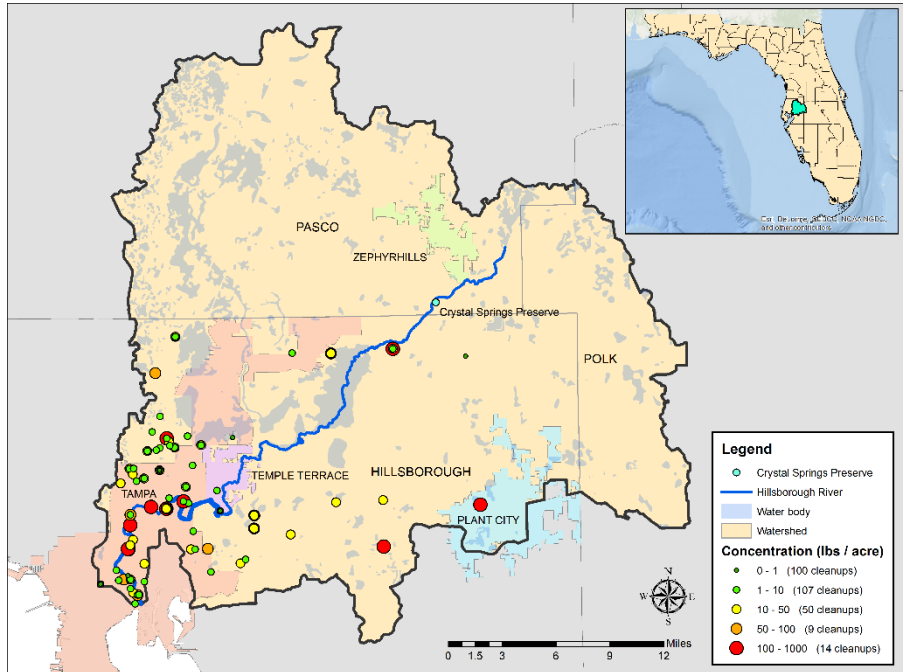
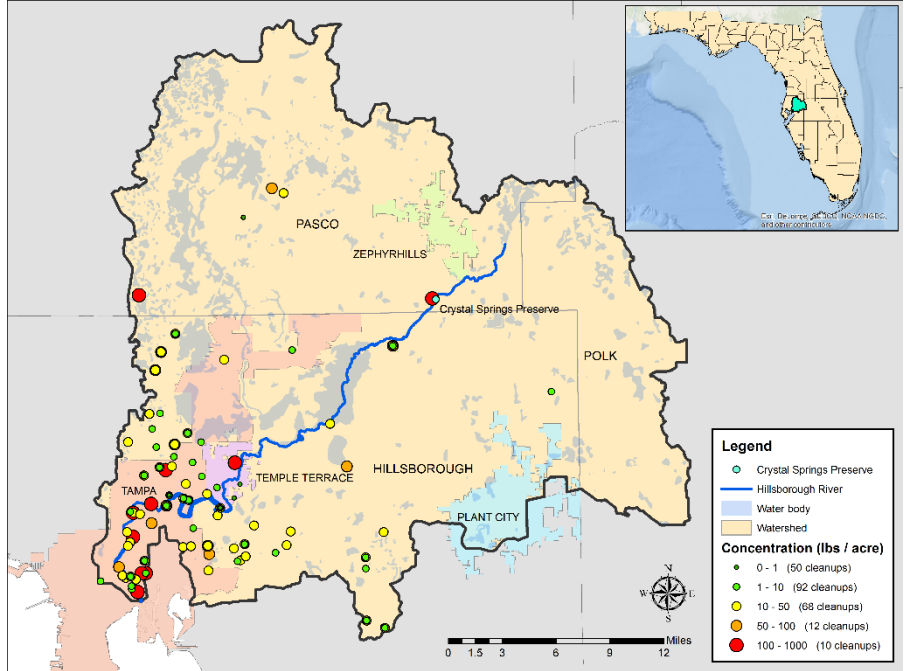


Figure 4-6. There were 279 cleanup events in the HRW in 2013.



**Figure 4-7. There were 235 cleanup events in the HRW in 2014.**

The focus of the majority of the cleanups has been in the lower portion of the Hillsborough River, specifically within the City of Tampa. Significant portions of Pasco, Polk and unincorporated Hillsborough County have yet to be investigated for PAT recovery.

#### **4.2. Results by Area**

Data were analyzed by region to determine if there were differences observed in PAT concentration within the watershed. Once the points were mapped, they were separated by area and scaled by magnitude. Figure 4-8 displays the final map of recovered PAT from 2008-2014 from the HRW including litter cleanups, locations of sedimentation traps, waste disposal facilities, WaterVentures visits, and storm drain markings. A total of 1,015 cleanups at 168 unique locations were reported throughout the HRW. The average amount of PAT collected throughout these cleanups was 52 lbs/acre and the median amount was 4.8 lbs/acre. The large discrepancy between the average and median can be explained by the non-normal distribution of points and several outliers of large magnitude. Detailed results by data type and area are discussed below.



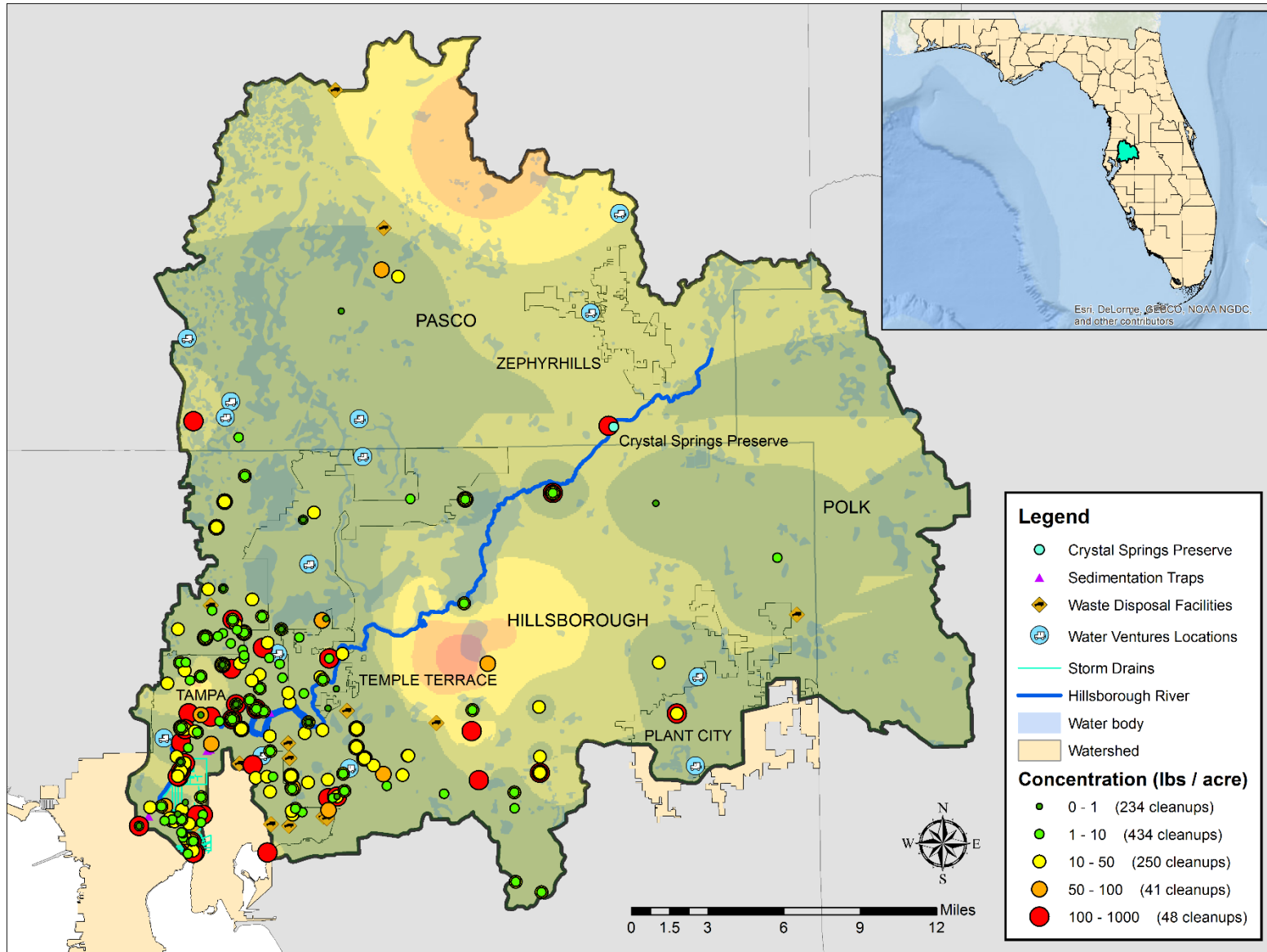
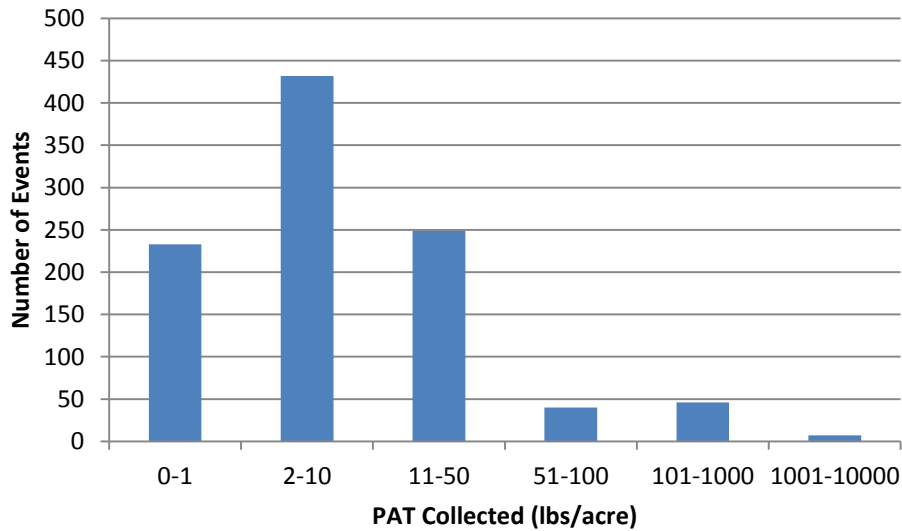


Figure 4-8: Map of the Hillsborough River watershed with all provided data incorporated.

#### 4.2.1. Hillsborough County

Of the three counties in the watershed, Hillsborough County makes up the largest portion of the watershed, covering almost 230,000 acres of the total 457,000 acres. Of the 1,015 debris cleanups utilized in this study, 1,007 of them fell within Hillsborough County. These results are illustrated in Figure 4-9. The average value of PAT collected was 50 lbs/acre, and the median value of PAT collected was 4.8 lbs/acre. The two points with the highest values in the entire dataset, 4,700 and 7,600 lbs/acre respectively, fell within Hillsborough County, leading to the large discrepancy between the average and median. The distribution of the data was skewed towards events that resulted in less than 10 lbs/acre of PAT collected.

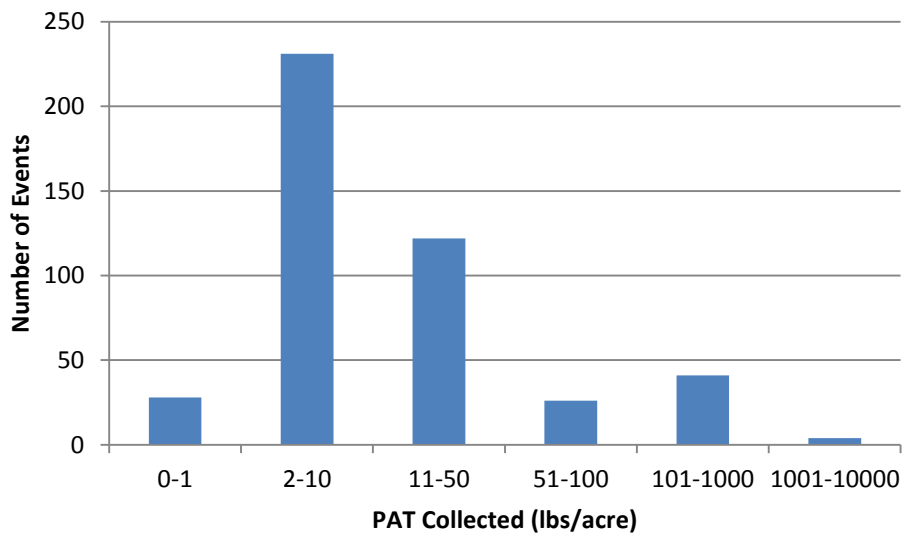


**Figure 4-9: Histogram of events within Hillsborough County, with a non-normal distribution skewed to the right.**

The four largest cleanups by density, resulting in over 2,000 lbs PAT/acre, were all at either Mann Wagon Park or Reese’s Fish Camp, two small parks. A majority of the largest cleanups by density took place in parks or communities as opposed to streets or industrial areas. Hillsborough County encompasses Tampa, Temple Terrace, and Plant City as well as a significant unincorporated area. Only four points within Hillsborough County fell in Plant City, and they were all at the same location. Further details on cleanup events within Tampa and Temple Terrace are discussed below.

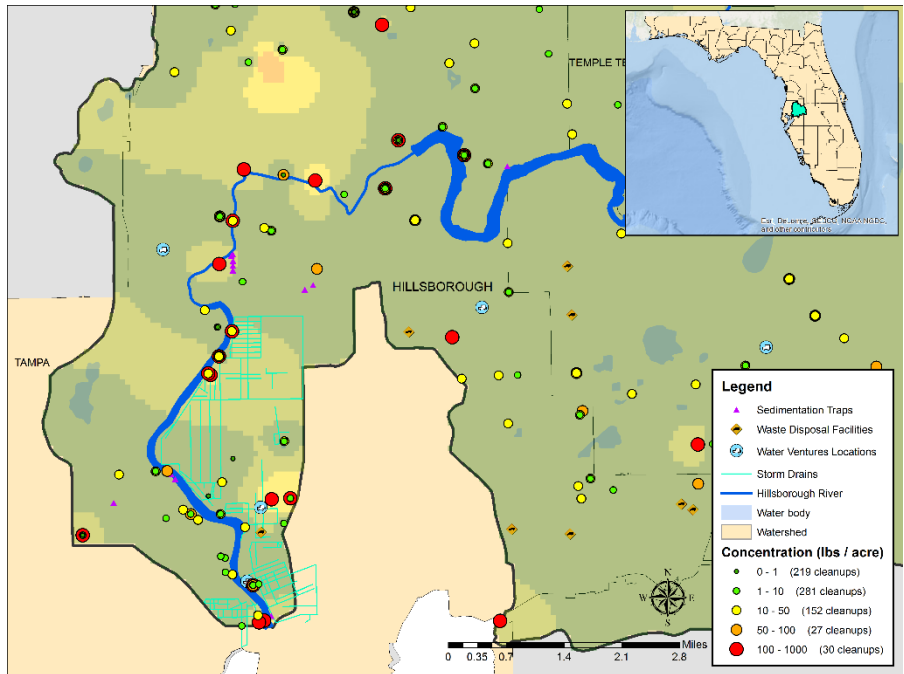
#### 4.2.1.1 City of Tampa

Tampa is the largest city represented in the watershed, and encompasses the point where the Hillsborough River meets Tampa Bay. Of the 1,007 points within Hillsborough County, 449 of them fell within the City of Tampa. The average and mean amounts of PAT collected were 56 and 6.7 lbs/acre, respectively, with a large discrepancy between the average and median once again explained by two of the largest data points having significantly higher concentrations than the majority of cleanups. The distribution of points in Tampa follows a pattern similar to that seen in Hillsborough County, with a skew towards smaller collections and a majority of the points falling between 1 and 10 lbs/acre of PAT collected. Similar to Hillsborough County, the majority of high density collections took place at parks. These results are summarized in Figure 4-10.



**Figure 4-10: Histogram of events within Tampa, with a non-normal distribution skewed to the right.**

Stormwater drain markers were added to areas by Tampa Bay Watch. The markers indicate that storm drains lead to the Hillsborough River without treatment, and should not be used as a waste bin. The storm drain markers were placed on the roads highlighted in Figure 4-11. Attention should be paid in future years to this area to evaluate the efficacy of the storm drain markers in reducing PAT concentrations here. As Figure 4-11 shows, there are some cleanup events in the vicinity that reported high concentrations of PAT.



**Figure 4-11. Storm drain markers were installed on the highlighted roads to direct residents not to allow litter to flow into the stormwater system.**

#### 4.2.1.2 City of Temple Terrace

Of the 1,007 points within Hillsborough County, 252 of them fell within the City of Temple Terrace. The average and median amounts of PAT collected in this area were 2.5 and 0.79 lbs/acre, respectively. As with Hillsborough County and the City of Tampa, the distribution of cleanup concentrations were skewed to the right (the tail of data points is to the right), however the overall magnitude of events in Temple Terrace was much lower. Approximately 72% of the cleanups in Temple Terrace reported less than 1 lb/acre. Unlike Hillsborough County and Tampa, the five largest events in Temple Terrace took place along roads; a majority of the remaining points took place at Riverhills Park. These results are summarized in Figure 4-12.

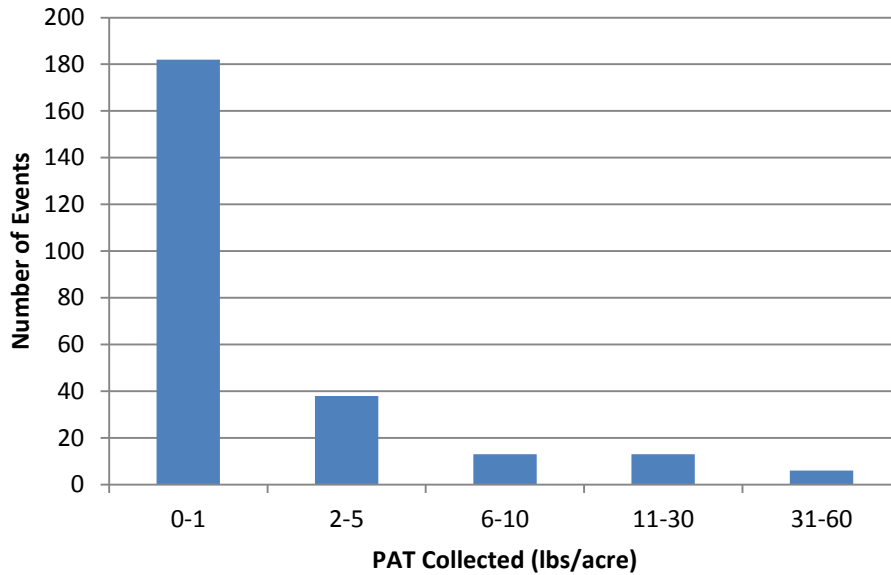


Figure 4-12: Histogram of events in Temple Terrace, with a non-normal distribution skewed to the right.

#### 4.2.2. Pasco County

Of the total 1,015 points used, only 8 were within Pasco County, which covers 166,000 acres of the HRW. The average and median amounts of PAT collected in Pasco County were 230 and 37 lbs/acre, respectively, which are both significantly higher than found in any of the other areas. Unlike the results in Hillsborough, the Pasco County results were skewed towards cleanup events with a larger PAT concentration. These results are summarized in Figure 4-13. Additional data points would be beneficial to more realistically assess PAT in Pasco County.

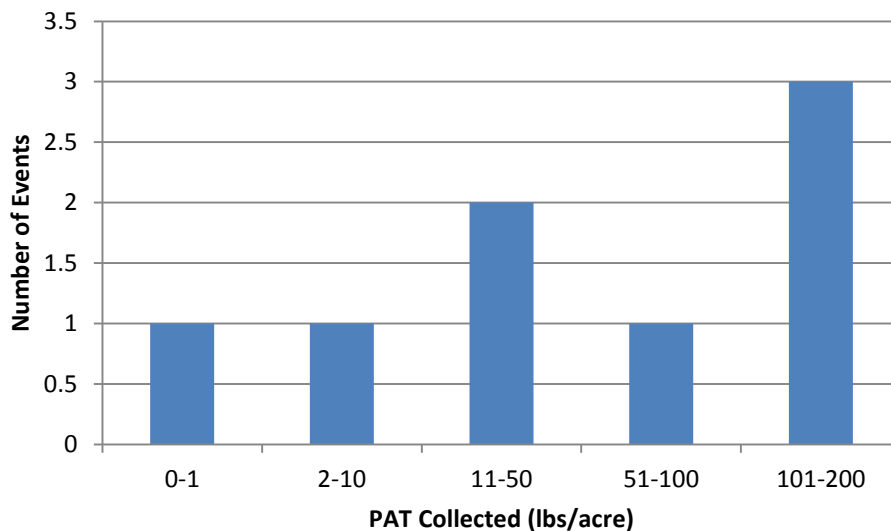


Figure 4-13: Histogram of events within Pasco County, with a non-normal distribution, skewed to the left.

### 4.3. Waste Composition

Because waste composition was infrequently or inconsistently reported in cleanups, the data have not been used in the development of the map. However, waste composition can be a crucial tool to assess potential environmental impacts (e.g., toxic materials) or target specific items for campaigns to reduce litter (e.g., monofilament line on fishing piers).

Typical waste composition studies report waste types, such as newspaper, cardboard, and food waste, by weight. This is because waste management programs charge for treatment or disposal of waste by weight. The following data from the 2014 HRCC are reported by count per category of waste and shown in Figures 4-14 – 4-19. Smaller more common items (e.g., food wrappers) are recovered in higher frequency than bulky items (e.g., furniture) and result in a higher count.

Figure 4-14 shows all plastic items collected during the HRCC. These are grocery bags, plastic bottles, cups, lids, straws, to-go containers, 6-pack rings, and other items. These are frequently single-use items, intended for disposal. They are inexpensive to manufacture, and while some of them are widely recycled, others are difficult to recycle.

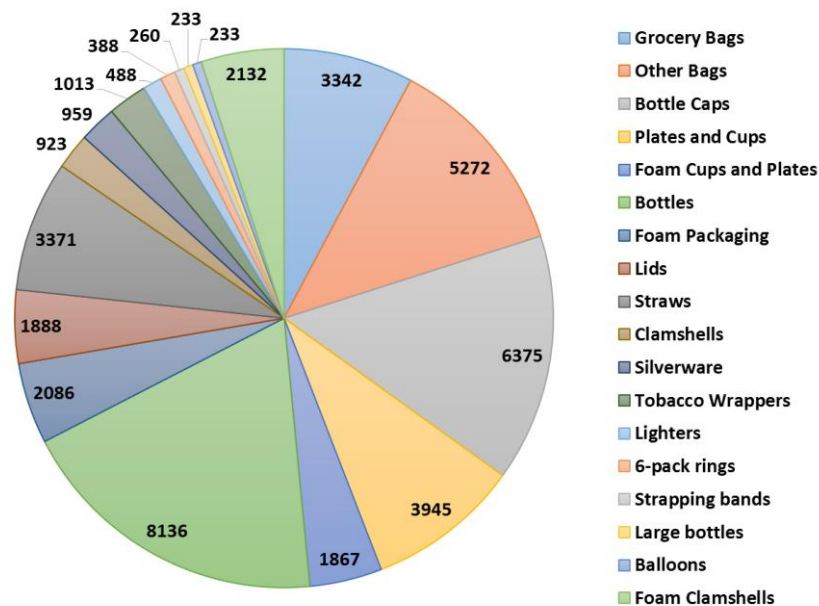
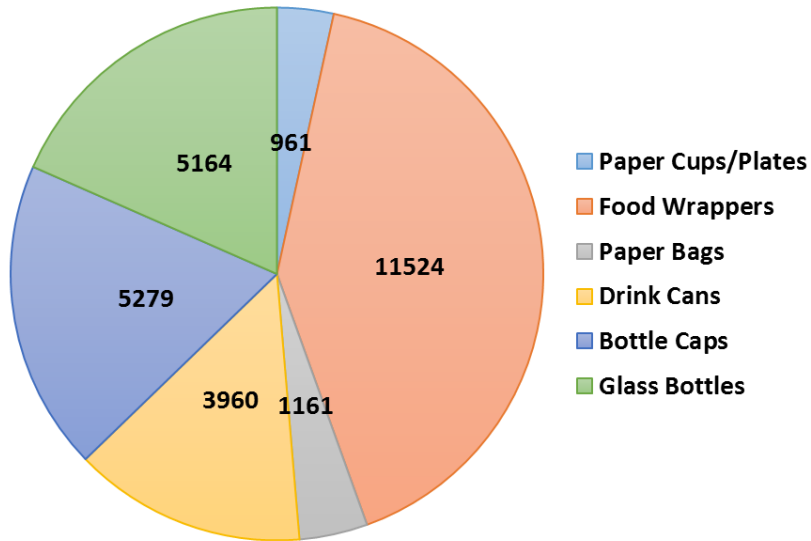


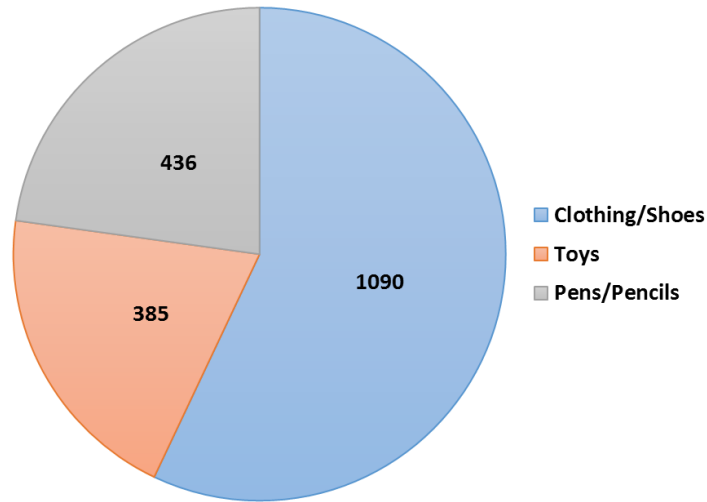
Figure 4-14. Plastic items collected during the 2014 HRCC.

Figure 4-15 shows all items associated with food and beverage packaging and service. Similar to the items in Figure 4-14, these items are typically intended for a single use. Drink cans and glass bottles are both recyclable in Hillsborough County, where this debris was collected. The remaining items are typically more difficult to recycle.



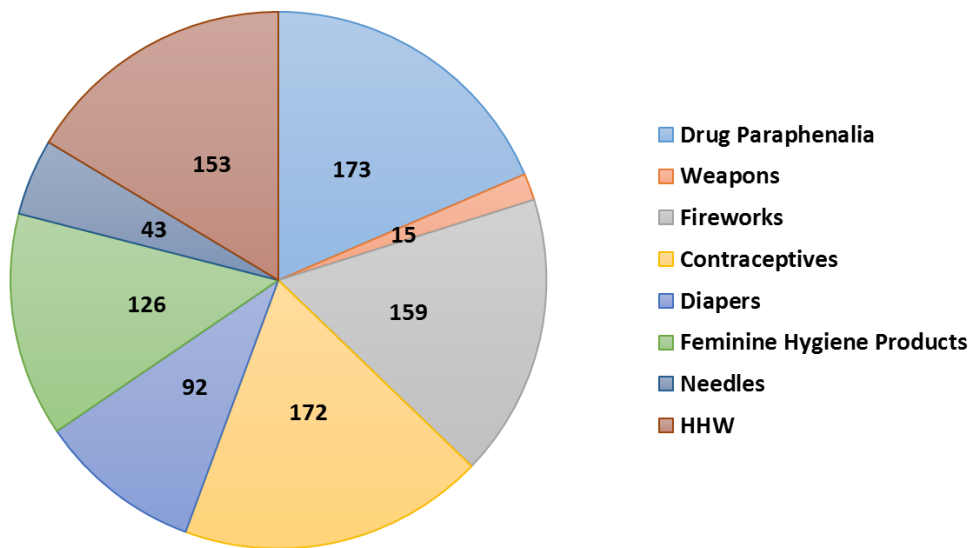
**Figure 4-15. Food wares collected during the 2014 HRCC.**

Figure 4-16 shows household items including clothing, toys, and writing utensils. Unlike the items displayed in the previous figures, these items are typically intended for extended use. While difficult to recycle, items such as clothing, shoes and toys can be refurbished or repurposed to avoid disposal.



**Figure 4-16. Household products collected during the 2014 HRCC.**

Figure 4-17 shows residual items that were collected during the HRCC. Most of these items have limited, if any, recycling or reuse options. Several of these items, such as weapons, needles, and household hazardous waste (HHW) can pose significant threats to human health and the environment.

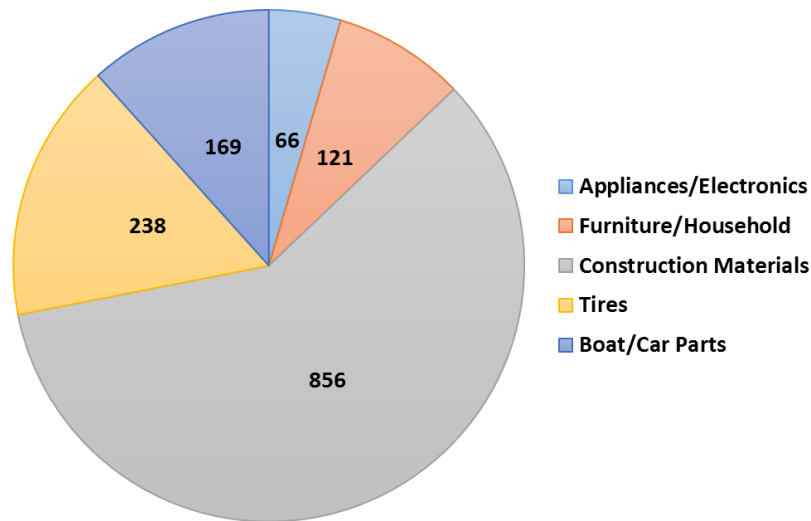


**Figure 4-17. Residuals collected during the 2014 HRCC.**

Figure 4-18 shows durable goods collected, including larger items such as appliances and furniture. Construction materials such as wood or metal, and a variety of components from

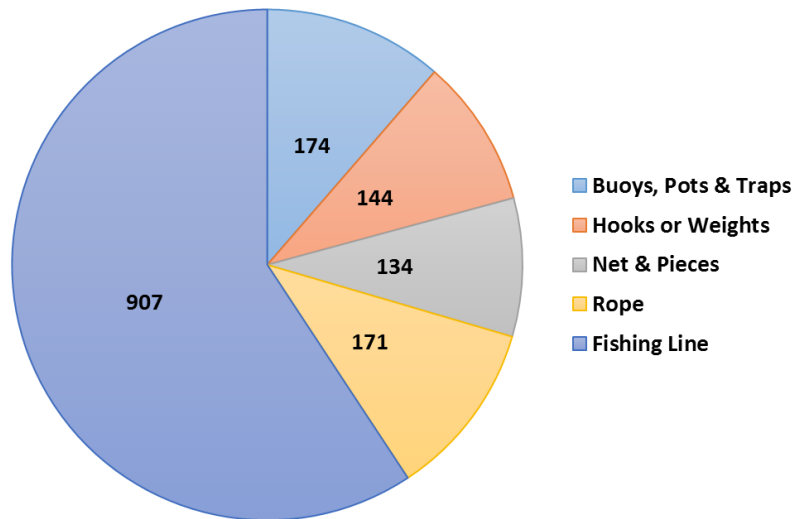


appliances and electronics often have viable recycling or recovery options. Furniture can often be refurbished or repurposed to avoid disposal. While most of the items seen in this figure are larger and heavier than previously discussed items, and therefore are less likely to be moved into the river by a storm event or other means, they can significantly decrease the aesthetic value of an area, and some may have the potential for harm to human health or the environment.



**Figure 4-18. Durable goods collected during the 2014 HRCC.**

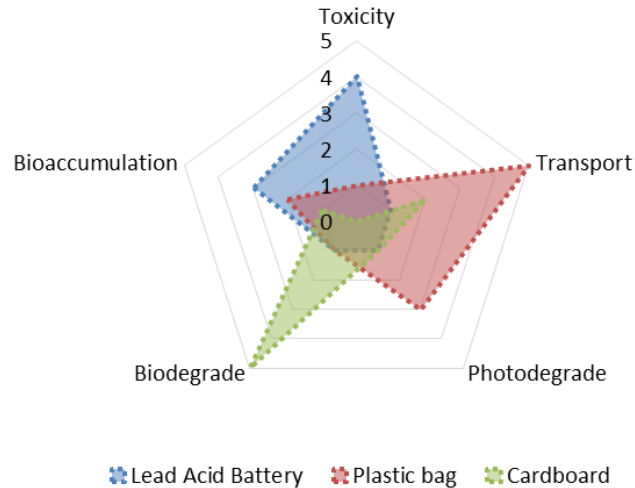
Figure 4-19 shows a variety of items used for fishing that were collected. For this collection, each yard of fishing line was considered one piece. These items are often small and found in the water, where they can pose a significant threat to aquatic organisms who may try to ingest the debris or become ensnared in it. While most of these items don't have many mainstream recycling options currently available, some smaller operations have found alternative uses for used fishing gear.



**Figure 4-19. Fishing gear collected during the 2014 HRCC.**

Waste composition can be valuable data for waste managers to target operations on specific waste fractions. The efforts documented here have historically been to remove all PAT from the watershed. At this stage, this strategy is still encouraged because of the vast quantities of small debris that are consistently reported in cleanup efforts. However, larger items such as TVs or appliances that are intentionally littered may have larger environmental impacts than small items and a potential avenue of research to investigate these impacts may guide cleanup and educational campaigns in future years.

One concept could be to develop a waste impact scale that could comparatively assess different waste components based on specified criteria. The point would be to develop criteria to quantitatively identify waste components of greatest concern, and focus cleanup and educational campaigns on those items. Examples of criteria could include toxicity to the environment, ability of items to be transported throughout the watershed (by air or water), the ability of items to photodegrade or biodegrade, and the potential of the wastes or degraded constituents to bioaccumulate within the ecosystem. Based on the different waste types, like those shown in Figure 4-20, the magnitude of each criteria would be different.



**Figure 4-20. A conceptual Waste Impact Diagram that could be developed to compare the potential environmental impacts of different waste components.**

This idea would require a time and energy to be developed but could prove a useful tool for those seeking to prioritize cleanups of specific waste types. This would also require accurate waste composition to be collected for all cleanups to ensure accurate data are being collected across the watershed. This is not currently in development at UF but is provided as a point of discussion to highlight the fact that different waste types will behave and impact ecosystems differently. At this point in time, it is not recommended to prioritize removal by litter type, but continue to removal all PAT from the watershed.

#### 4.4. Total Potential Aquatic Trash

The map in Figure 4-8 shows the progress of cleanup events that have taken place throughout the watershed. However, this should not be taken as a complete accounting of the total amount and distribution of PAT and aquatic trash present in the HRW. The absence of data do not mean the absence of PAT. In order better estimate the total potential aquatic trash (TPAT) distribution in the watershed other reports of litter removal were reviewed. Collected PAT by NGOs was considered along with other previously unmanaged debris that is recovered by municipalities (e.g., stormwater basins, sediment traps, street sweepings, etc.). In order to estimate this, NPDES reports from each county were utilized, which report the total amount of litter collected each year by county programs as well as NGOs. These amounts were then multiplied by the ratio of the area of the county within the HRW to the total area of the county to estimate how much TPAT exists within the watershed.

#### **4.4.1. Hillsborough County**

Litter cleanups reported in the Hillsborough County NPDES included operations by the county and a contractor, as well as KTBB and its predecessor, KHCB. An average of over 1,150,000 lbs (5.1 lb/acre) was estimated for the portion of Hillsborough County within the HRW. This data is summarized in Table 4-2 below. The discrepancies between these values and values reported in Section 4 are expected because this information includes operations run directly through the county. In Tampa alone, 16,850,000 lbs of PAT was reported between government and NGO cleanups. Applying the fraction of the city in the watershed to this total, 9,390,000 lbs (220 lbs/acre) of TPAT is estimated to be in the portion of Tampa within the HRW. This value is larger than the value of litter collected within Hillsborough County and this is discussed in Section 4.4.4.

**Table 4-2: Litter collection reported in Hillsborough County NPDES reports 2008-2012**

Data Type	2008		2009		2010		2011		2012	
	yd <sup>3</sup>	lbs	yd <sup>3</sup>	lbs	yd <sup>3</sup>	lbs	yd <sup>3</sup>	lbs	bags	lbs
County <sup>1</sup>	16,216	3,567,520	6,095	1,340,845	17,163	3,775,860	71	6,859	326	6,520
Contractor <sup>2</sup>		401,180		383,000		319,240				
KHCB/KTBB Adopt-A-Road		40,900		22,380		30,192		38,777		35,159
KHCB/KTBB Coastal Cleanup		49,720		61,827		70,888				
KTBB Pick-up Events								87,707		105,723
Street Sweepings								3,700,000		3,269,080
<b>Total (lbs)</b>		<b>4,059,320</b>		<b>1,808,052</b>		<b>4,196,180</b>		<b>3,833,343</b>		<b>3,416,482</b>
<b>Total in watershed (lbs)</b>		<b>1,356,170</b>		<b>604,048</b>		<b>1,401,893</b>		<b>1,280,674</b>		<b>1,141,406</b>
<b>Total in watershed (lbs/acre)</b>		<b>5.92</b>		<b>2.64</b>		<b>6.12</b>		<b>5.59</b>		<b>4.98</b>

<sup>1</sup> From 2008-2010 a value of 220 lb/yd<sup>3</sup> (Tchobanoglous et al. 1993) was used to estimate weight for county collection, which included large materials (appliances, furniture, etc), not litter, during those years. In 2011, weights of 20 lb/bag for full 42 gallon bags was used to estimate weight for county collections, which were typical litter that year.

<sup>2</sup> Contractor data was not tracked in 2011 and 2012

#### 4.4.2. Polk County

The litter cleanup operations reported in the Polk County NPDES includes inmate work through the Weekend Detention Program, county operations, and Keep Polk County Beautiful (KPCB) events. An average of over 83,000 lbs (1.35 lbs/acre) was estimated for the portion of Polk County within the HRW. This data is summarized in Table 4-3.

**Table 4-3: Litter collection reported in Polk County NPDES reports 2007, 2008, 2011 and 2012. Reports from 2009 and 2010 were not available.**

Data Type	2007		2008		2011		2012	
	bags/items	lbs	bags/items	lbs	bags/items	lbs	bags/items	lbs
Inmate work	32,318	646,360	38,876	777,520	35,990	719,800	109,381	2,187,620
KPCB Litter Pickup	1,894	37,880	1,333	26,660	3,996	423,920	231	363,500
KPCB Adopt-A-Highway	3,001	60,020	1,545	30,900	1,369	27,370	1,062	21,240
KPCB Waterway Cleanup					152	3,170	34	2,700
Roadway Maintenance/ Water Resources					48,798	976,720	51	1,020
Tires (all)	4,640	92,800	9,093	181,860	11,171	223,420	5,503	110,060
Furniture (all)	24	480	668	13,360	29	580	1,110	22,200
Appliances (all)	7	140	20	400	36	720	11	220
<b>Total (lbs)</b>	<b>837,680</b>		<b>1,030,700</b>		<b>2,375,700</b>		<b>2,708,560</b>	
<b>Total in watershed (lbs)</b>	<b>40,024</b>		<b>49,246</b>		<b>113,509</b>		<b>129,413</b>	
<b>Total in watershed (lbs/acre)</b>	<b>0.65</b>		<b>0.80</b>		<b>1.85</b>		<b>2.10</b>	

#### 4.4.3. Pasco County

NPDES reports were not available from Pasco County at the time that this report was produced. A total of 42,560 lbs of PAT was reported in cleanup events examined in this study. If that quantity of PAT were distributed over the 166,650 acres of Pasco County within the watershed, it would produce a PAT density of 0.26 lbs/acre. This value is expected to increase when county operated cleanups are taken into account.

#### 4.4.4. Watershed

The estimated TPAT densities derived from NPDES reports varies greatly from 0.65 lbs/acre seen in 2007 in Polk County, to a maximum of 6.12 lbs/acre seen in 2010 in Hillsborough County. Applying these values to the entire watershed produces estimates ranging from 457,000 to 2,800,000 lbs of TPAT generated in the HRW each year. The actual amount of TPAT is likely closer to the higher end of the estimates, since not all PAT is collected, and the density of PAT increased significantly in Polk County since the estimate of 0.65 lbs/acre was seen in 2007. This may have more to do with increased cleanup efforts than an actual increase in littering.

The PAT recovered by NGOs was compared to the TPAT reported by municipalities, and is shown in Table 4-4. In general, the PAT is a fraction of the other debris collected by the municipalities, indicating that even more PAT may be unaccounted for in areas that have not been investigated, such as northern Hillsborough County.

**Table 4-4: Pounds of PAT reported by NGOs and TPAT reported by municipalities.**

Year	Hillsborough County		City of Tampa		Polk County		Pasco County	
	PAT	TPAT	PAT	TPAT	PAT	TPAT	PAT	TPAT
	(lbs)							
2007	-	-	-	-	-	40,024	-	-
2008	540	1,356,170	540	-	-	49,246	-	-
2009	6,620	604,048	6,580	-	-	-	-	-
2010	11,700	1,401,893	10,160	-	-	-	-	-
2011	49,542	1,280,674	37,014	-	-	113,509	-	-
2012	70,389	1,141,406	34,560	-	-	129,413	240	-
2013	54,108	-	19,531	-	-	-	-	-
2014	50,961	-	18,467	9,390,734	-	-	42,320	-

The TPAT quantities are estimates based on the assumptions described in Section 3.6. The magnitude difference between the PAT and TPAT values indicates littering in the HRW will continue without strong educational campaigns, regulatory policies, and implementations of programs that encourage litter reduction. Litter cleanups are a response to a problem that has already occurred. The solution is to engage the public in ways that decrease the ability or desire to litter. This may include increasing waste bin availability in public areas or adding signage in areas where significant PAT is recovered. As mentioned previously, it is difficult to determine with the current dataset if generation is occurring at these sites or if they are points of accumulation within the watershed.

#### **4.5. Costs of PAT Recovery**

There are a number of waste collection and management facilities throughout the HRW. These facilities charge a tipping fee to dispose of waste. NGOs help remove unmanaged waste that enters the environment either through accidental negligence or intentional abandonment. These groups rely on the volunteer hours, incur the costs of paid employees and necessary equipment (nets, bags, vehicles) to recover the PAT. The city or county incurs the cost of tipping fees to actually dispose of the waste, as well as the costs of employees to transport the waste. Meanwhile, the entire community incurs the costs of environmental degradation and lost tourism that may result from accumulation of litter in the waterways. While these organizations have an essential role in keeping their communities clean, ultimately the best way to reduce the cost of managing waste within the HRW is for each citizen and visitor to responsibly manage the waste that they produce. Factors such as availability of waste receptacles, incentives for recycling, and educational campaigns could have an impact on individuals' decisions about how they manage their waste.

As the impacts of the 2008 Recession are receding, tourism is again taking off in Southwest Florida. The warm waters of the Gulf of Mexico, beautiful beaches with tropical shells, and warm climate are ideal for vacationers from across the world. As part of the continued investment in the community, it is vital to reduce the amount of PAT that could pollute the waterways, reduce the aesthetics of these valued areas, and negatively impact local habitats that the tourist industries depend on.



It is difficult to quantify environmental degradation or its impacts to tourism, especially when such changes take lengths of time to be fully realized. The total quantity of waste collected by NGOs from 2008-2014 was 144 tons. Taking the average tipping fee (waste disposal fee) as \$65/ton, the cost of all waste- had it been properly managed- was found to be \$9,340. A small sum to ensure clean waters.



**Figure 4-21. The cost of collecting all the litter outweighs the cost of the trash being disposed of properly in the first place.**

However, when accounting for all 94,400 volunteer hours and using the federal minimum wage of \$7.25/hour, the cost of waste collection and disposal for the same time was \$693,000 or about \$5,000/ton. This does not include the cost of equipment and supplies to collect the waste, the fuel required for volunteers to reach cleanup sites, or any quantification of environmental degradation, as indicated in Figure 5-2. The actual costs of PAT recovery could be even higher.

## 5. Recommendations to Improve Data Quality

In order to transform the Hillsborough River into a trash-free waterway, it is first necessary that the magnitude and impact of current efforts are understood. This report offers a basic understanding of the current state of cleanup operations within the HRW. Since any debris within the watershed have the potential to become aquatic trash, it is crucial that litter reduction efforts focus not only on the river and adjacent land, but also areas throughout the watershed. In order to gain the best understanding of the progress of these operations, accuracy in measurements must become a priority.

In order to continue tracking the progress of cleanups in the HRW, it is essential information be recorded and reported in a consistent manner. There were hundreds of points that were not incorporated into this study because of a lack of information; most no information on the amount of waste collected was reported. Additionally, much of the recovered PAT are estimated based on a conservative 20 pound per bag assumption. Because the most common types of litter are disposable items, such as cigarette butts, plastic bottles, plastic bags, aluminum cans, etc., this assumed value may overestimate the quantity of PAT within the HRW. Portable hanging scales could be used to weigh bags, significantly increasing the accuracy of the reported measurements and removing this uncertainty from future studies.

For this study, areas covered by most cleanup events were estimated by the UF research team. Current and common technologies now allow for location tracking without the use of stand-alone GPS devices. Third-party GPS applications (apps) for smartphones such as GPS Essentials (mictale.com) and Simple GPS Coordinate Display (Generic Co.), MyTracks (Google, Inc.) are available through the Google Play store for android smartphones. Similar apps are available for Apple devices via the Apple App Store. The Marine Debris Tracker (Southeast Atlantic Marine Debris Initiative) is a unique app specifically for cataloging and geolocating PAT. Registered users can report recovered debris and later download the quantity of items and GPS data. A walkthrough for this program is given in Appendix A.<sup>1</sup> Smartphones and internet-enabled computers can track locations in real-time, enabling highly accurate location data.

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<sup>1</sup> UF does not endorse the use of any third-party applications. The use of applications is at the discretion of the user.

In the development of the map, the entire area of each identified site was used to determine concentration (e.g., Rowlett Park is 84 acres). This may underestimate the PAT concentration in areas where waste is collected in only a specific region of the site (e.g., in the picnic area of Rowlett Park). If the areas were identified at the time of the cleanup, more accurate PAT concentrations could be calculated. Additionally, more conclusions could be drawn as to the source of the PAT. If recovery of PAT is occurring in the upland areas of parks, it could be assumed that generation of PAT is occurring onsite and different tactics such as increasing waste bins or signage could alleviate littering. However, if PAT recovery was occurring on shorelines or within the river at the site, that location may be a site of PAT accumulation, where actual waste generation is occurring upstream. In such instances, educational campaigns or increasing waste bins at the site would not significantly impact the amount of PAT recovered. Again, the use of GPS technologies could improve the quality of data for these purposes.

Additional information that affects the success of a cleanup event could further aid in normalizing data. Events attended by large groups of people, lasting for longer durations, or utilizing more equipment could result in much greater recovery than other events covering the same area with less resources. Consistency in what aspects of the cleanup event are reported could aid in the creation of a standard data set in which cleanups could be directly compared to better understand success and progress.

## 6. Conclusions

Litter cleanup data reported by NGOs were used to develop a map that quantified the PAT within the HRW. From 2008-2014, 1,015 cleanup events occurred at 168 unique sites within Hillsborough and Pasco Counties. Stormwater drain markings in the south Tampa area were installed to educate the local population to not litter. Fliers were also distributed in the area with personal, house visits in an effort to reduce litter from entering the stormwater systems, which drain to the Hillsborough River. It will be necessary to focus on the reported cleanups in these areas to determine if the educational campaigns are contributing to litter reductions. As previously mentioned, some of the litter is likely coming from upriver locations and is transported via the river or stormwater systems to downstream locations. There is a significant disparity between cleanup events occurring in the south Tampa area and the upper Hillsborough River near the border of Hillsborough County and Pasco County. Cleanup efforts in Pasco and northern Hillsborough should be targeted as these areas contain unknown quantities of PAT, which may be transported to the lower portions of the river and into Tampa Bay. If significant quantities of PAT are entering the river upstream, they may be more difficult to recover in the lower portions without sea-going equipment and resources. As mentioned in the Recommendations, identifying what types of equipment and specifying the areas that were cleaned can greatly improve the data analysis towards identifying sources of the PAT, which was not possible from the current data set.

Because areas within the watershed were not selected for cleanup, the total PAT within the watershed is likely an underestimate. TPAT was estimated by the local NPDES permits which track litter removal, street sweepings, and other debris collection programs. Some of the TPAT data were not geolocated and could not be added to the map. The PAT data reported by NGOs were mostly geolocated and constitute the points on the map. Therefore, the map represents - not all- but a significant quantity of the PAT actually recovered in the HRW.

The next phase of research and collaboration will focus on defining metrics that all groups within the Partnership will monitor. Once metrics are in place and a plan of action is agreed upon within the community, implementation can occur. The establishment of the HRW TFW Partnership will ensure the TFW program continues and grows in the coming years. The resolution drafted on February 24, 2015, will act as a motivating document for private and public

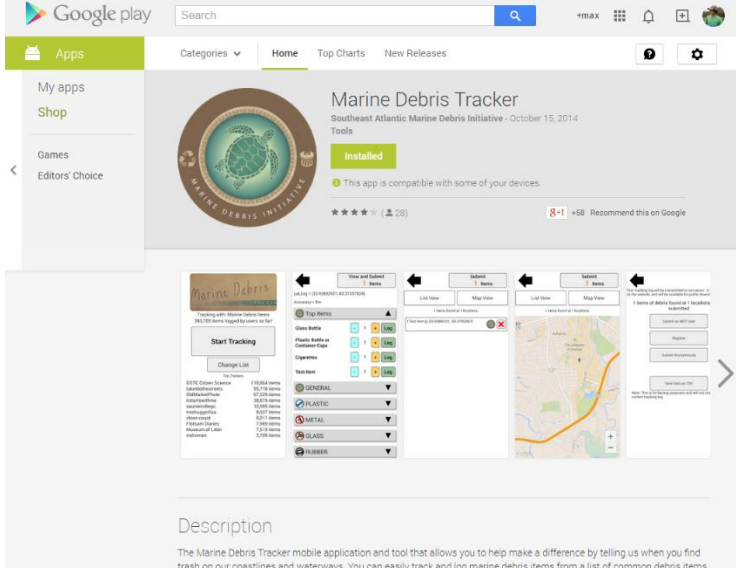
groups as well as government agencies to participate in the combined efforts to establish the Hillsborough River and adjacent waterbodies as EPA Trash Free Waterways.



## 7. References

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## Appendix A. Walkthrough to install and use the Marine Debris Tracker (MDT) for your smartphone or network-enabled tablet

MDT tracks debris collected just like you normally do with a pen and paper. Except it also adds GPS data so the exact location of items is also recorded. These data are sent to a marine debris database established by Dr. Jenna Jambeck and NOAA but are also available for download by registered users. Therefore, data recorded with MDT can be tracked in real-time, and analyzed at a later date (<http://www.marinedebris.engr.uga.edu/>).

<p>To download the Marine Debris Tracker, go to your favorite app store and search “Marine Debris Tracker.” The logo is shown in Figure 1.</p> <p>Install remotely to your device if you’re on the computer, the app is about 10 megabytes.</p>	
<p>Before opening the app, make sure your phone’s GPS is enabled.</p> <p>On android phones: Settings More Location, Click <b>ON</b></p>	<p>Smartphone companies (Android, Apple, Microsoft, etc.) record GPS data from users. You can prohibit this by Disagreeing with the terms prompted when you turn on the location feature of your phone.</p> <p>Disagreeing will still allow the MDT to register GPS coordinates, so you can have your privacy, and still help collect data!</p>

<p>On your mobile device, open the app. You will see the following image. <b>Start tracking</b> takes you to the list of pollutants to track.</p> <p><b>Change list</b> refers to the list of pollutants. For our purposes, the default list (Marine Debris items) is what we want. You'll see the top tracker groups below those two buttons.</p>	 <p>Tracking with: Marine Debris Items 393,703 items logged by users so far!</p> <p><b>Start Tracking</b></p> <p>Change List</p> <p>Top Trackers</p> <table border="1"> <tr><td>GSTC Citizen Science</td><td>118,864 items</td></tr> <tr><td>takeittothestreets</td><td>95,778 items</td></tr> <tr><td>OldMarketPhoto</td><td>67,529 items</td></tr> <tr><td>itstartswithme</td><td>38,875 items</td></tr> <tr><td>saunieindiego</td><td>10,595 items</td></tr> <tr><td>treehuggerlisa</td><td>8,637 items</td></tr> <tr><td>clean coast</td><td>8,011 items</td></tr> <tr><td>Flotsam Diaries</td><td>7,969 items</td></tr> <tr><td>Museum of Litter</td><td>7,515 items</td></tr> <tr><td>mdroman</td><td>2,709 items</td></tr> </table>	GSTC Citizen Science	118,864 items	takeittothestreets	95,778 items	OldMarketPhoto	67,529 items	itstartswithme	38,875 items	saunieindiego	10,595 items	treehuggerlisa	8,637 items	clean coast	8,011 items	Flotsam Diaries	7,969 items	Museum of Litter	7,515 items	mdroman	2,709 items
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<p>The screen will show all sorts of categories and each category contains a lot of common waste items.</p>																					
<p>To test out the app, click <b>Top Items</b></p>																					
<p>Scroll to the bottom to find the <b>Test Item</b></p>																					
<p>Click on the <b>1</b> next to <b>Test Item</b>.</p>																					
<p>Enter <b>5</b>. Click <b>Log</b></p>																					
<p>Click <b>Submit 5 items</b></p>	 <p>Submit 1 Items</p> <p>List View    Map View</p> <p>1 items found at 1 locations.</p> <p>1 Test Item @ (33.93890101, -83.37553907)</p>																				
<p>Click <b>Submit as MDT User</b></p>																					
<p>Enter the following credentials: Username: Password: Click <b>Login through MDT</b></p>	<p>Logging in allows all the data to be stored under a single account that can be accessed online at <a href="http://www.marinedebris.egr.uga.edu/data">http://www.marinedebris.egr.uga.edu/data</a></p>																				
<p>Click <b>Done, Back to Tracking</b></p>	<p>You should log and submit the items at every new location you go to because the data are georeferenced.</p>																				
<p>You've tracked your trash. Now you know how to use the app, and you can always use it because it's right in your pocket!</p>	<p>Other questions can be answered at <a href="http://www.marinedebris.egr.uga.edu/">http://www.marinedebris.egr.uga.edu/</a></p>																				



**Appendix B. Map Database of Recovered PAT from 2008-2014 in the HRW.**

OBJECTID	*Shape *	FID_	Date	Year	Location	Address	Database	NEW_Latit	NEW_Long	source_of	lbs	Acres	Source_Ac	lbs_per_ac	Area	Volunteers	vol_hours	
556	Point	555	3/19/2010	2010	Lake Park	6920 East	F Bob Luce	28.07492	-82.3729	mikes KML		20	318.6485	mikes KML	0.062765	Hillsborou	1	2.5
558	Point	557	5/14/2010	2010	Lake Park	6920 East	F Bob Luce	28.07492	-82.3729	mikes KML		20	318.6485	mikes KML	0.062765	Hillsborou	1	2.5
559	Point	558	5/6/2013	2013	Lettuce Lake park	6922 East	F Bob Luce	28.07492	-82.3729	mikes KML		20	318.6485	mikes KML	0.062765	Hillsborou	1	2.5
432	Point	431	5/6/2013	2013	Lettuce Lake	6920 East	F KTTB	28.07492	-82.3729	mikes KML		20	318.6485	mikes KML	0.062765	Hillsborou	1	2
560	Point	559	5/9/2013	2013	Lettuce Lake park	6923 East	F Bob Luce	28.07492	-82.3729	mikes KML		20	318.6485	mikes KML	0.062765	Hillsborou	1	3
561	Point	560	10/11/2013	2013	Lettuce Lake park	6924 East	F Bob Luce	28.07492	-82.3729	mikes KML		20	318.6485	mikes KML	0.062765	Hillsborou	1	2.5
220	Point	219	9/21/2013	2013	Blackwater Creek Preserve	Blackwater	KTTB	28.13808	-82.1587	lookup		180	1714.331	mikes KML	0.104997	Hillsborou	23	69
361	Point	360	4/27/2013	2013	Ridgewood Park	Ridgewoo	KTTB	27.96456	-82.4702	mikes KML		7	60.55739	mikes KML	0.115593	Tampa	50	200
86	Point	85	5/9/2013	2013	Lettuce Lake	6920 East	F KTTB	28.07492	-82.3729	mikes KML		40	318.6485	mikes KML	0.12553	Hillsborou	1	2
557	Point	556	3/22/2010	2010	Lake Park	6920 East	F Bob Luce	28.07492	-82.3729	mikes KML		100	318.6485	mikes KML	0.313825	Hillsborou	1	2.5
389	Point	388	2/22/2010	2010	The Heights Project	Tampa, FL,	KTTB	27.97109	-82.4653	jeremys K		400	1228.283	jeremys K	0.325658	Tampa	35	52.5
456	Point	455	5/18/2013	2013	Copeland Park	Copeland	F KTTB	28.04936	-82.4401	HRCC KML		20	56.40383	mikes KML	0.354586	Tampa	25	100
293	Point	292	11/21/2013	2013	Copeland Park	Copeland	F KTTB	28.04936	-82.4401	HRCC KML		20	56.40383	mikes KML	0.354586	Tampa	30	60
114	Point	113	6/19/2010	2010	The Heights Project	Tampa, FL,	KTTB	27.97109	-82.4653	jeremys K		440	1228.283	jeremys K	0.358224	Tampa	15	52.5
563	Point	562	8/20/2010	2010	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
564	Point	563	9/5/2010	2010	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
568	Point	567	3/15/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
569	Point	568	3/23/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
574	Point	573	5/13/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
576	Point	575	5/23/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
578	Point	577	6/3/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
583	Point	582	6/22/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
585	Point	584	6/24/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
589	Point	588	7/12/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
590	Point	589	7/22/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
591	Point	590	7/25/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
592	Point	591	9/12/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
594	Point	593	9/19/2011	2011	Riverhills park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	
955	Point	972	10/26/2011	2011	Riverhills park	Riverhills	P KTTB	28.01599	-82.3851	sarah		20	50.79895		0.393709	Temple Tei	1	20
956	Point	973	11/1/2011	2011	Riverhills park	Riverhills	P KTTB	28.01599	-82.3851	sarah		20	50.79895		0.393709	Temple Tei	1	20
957	Point	974	11/2/2011	2011	Riverhills park	Riverhills	P KTTB	28.01599	-82.3851	sarah		20	50.79895		0.393709	Temple Tei	1	20
637	Point	636	6/29/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	4
547	Point	546	7/13/2012	2012	Riverhills park	Riverhills	P KTTB	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	2
640	Point	639	7/20/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
641	Point	640	7/27/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
642	Point	641	7/30/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
643	Point	642	8/3/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
644	Point	643	8/9/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	2
645	Point	644	8/24/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
647	Point	646	9/12/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
648	Point	647	9/25/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
649	Point	648	9/27/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
650	Point	649	10/1/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	2
651	Point	650	10/9/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
652	Point	651	10/10/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
653	Point	652	10/15/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
654	Point	653	10/16/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
655	Point	654	10/19/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3
656	Point	655	11/2/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3.5
657	Point	656	11/5/2012	2012	Riverhills Park	Riverhills	P Bob Luce	28.01599	-82.3851	mikes KML		20	50.79895	mikes KML	0.393709	Temple Tei	1	3



715 Point	714	10/10/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
716 Point	715	10/14/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
717 Point	716	10/16/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
718 Point	717	10/18/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
719 Point	718	10/25/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	4
721 Point	720	10/31/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
723 Point	722	11/8/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
724 Point	723	11/14/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
727 Point	726	12/3/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
728 Point	727	12/5/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	2.5
730 Point	729	12/19/2013	2013 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3.5
735 Point	734	2/10/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
143 Point	142	2/10/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	4
736 Point	735	2/17/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3.5
469 Point	468	2/17/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
742 Point	741	4/10/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
743 Point	742	4/14/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	4
8 Point	7	4/14/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	5
744 Point	743	4/23/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	4
745 Point	744	4/28/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
746 Point	745	4/30/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
751 Point	750	6/9/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	2.5
752 Point	751	6/20/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	2.5
398 Point	397	6/27/2014	2014 Riverhills Park and Neighb	Tampa, FL, KTTB	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	21	84
755 Point	754	6/30/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
521 Point	520	7/1/2014	2014 Riverhills Neighborhood, s	Tampa, FL, KTTB	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	27	54
764 Point	763	10/30/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	20	50.79895	mikes KML	0.393709	Temple Tei	1	3
980 Point	1014	7/29/2011	2011 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	5	12	0.416667	Tampa	5	5	
991 Point	1025	9/10/2011	2011 North Blvd	North Boul KTTB	27.99426	-82.468	sarah	5	12	0.416667	Tampa	4	5	
392 Point	391	1/22/2011	2011 Sulphur Springs	Sulphur Sp KTTB	28.02086	-82.4545	HRCC KML	220	486.368	jeremys KN	0.452332	Tampa	5	8
68 Point	67	6/21/2014	2014 River Run/Rolling Terrace	Rolling Hill KTTB	28.03479	-82.3668	jeremys KN	20	43.99357	jeremys KN	0.454612	Temple Tei	37	74
336 Point	335	6/26/2014	2014 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	40	84.33231	mikes KML	0.474314	Tampa	5	10
313 Point	312	7/31/2014	2014 Rowlety Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	40	84.33231	mikes KML	0.474314	Tampa	5	7.5
492 Point	491	2/19/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	27	50.79895	mikes KML	0.531507	Temple Tei	1	2
451 Point	450	2/27/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	27	50.79895	mikes KML	0.531507	Temple Tei	1	3
507 Point	506	4/2/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	27	50.79895	mikes KML	0.531507	Temple Tei	1	2
212 Point	211	9/5/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	27	50.79895	mikes KML	0.531507	Temple Tei	1	3
75 Point	74	4/10/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	27	50.79895	mikes KML	0.531507	Temple Tei	1	4
943 Point	950	7/30/2011	2011 Harney ByPass Canal	KTTB	27.97331	-82.3673	sarah	8	13.63807	0.586593	Hillsborouğ	5	8	
144 Point	143	7/11/2009	2009 New Tampa Community P	New Tamp KTTB	28.13144	-82.3868	mikes KML	40	67.70913	mikes KML	0.590762	Tampa	3	6
494 Point	493	7/18/2009	2009 New Tampa Community P	New Tamp KTTB	28.13144	-82.3868	mikes KML	40	67.70913	mikes KML	0.590762	Tampa	3	6
51 Point	50	7/25/2009	2009 New Tampa Community P	New Tamp KTTB	28.13144	-82.3868	mikes KML	40	67.70913	mikes KML	0.590762	Tampa	3	6
259 Point	258	10/28/2013	2013 MacFarlane park	Macfarlanç KTTB	27.95797	-82.4953	mikes KML	20	30.18358	mikes KML	0.662612	Tampa	2	5
184 Point	183	7/5/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	34	50.79895	mikes KML	0.669305	Temple Tei	1	4
139 Point	138	7/30/2013	2013 Riverhills Park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	34	50.79895	mikes KML	0.669305	Temple Tei	1	3
273 Point	272	10/25/2010	2010 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	40	56.40383	mikes KML	0.709172	Tampa	42	126
333 Point	332	4/27/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	40	56.40383	mikes KML	0.709172	Tampa	25	75
380 Point	379	10/19/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	40	56.40383	mikes KML	0.709172	Tampa	8	32
10 Point	9	11/9/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	40	56.40383	mikes KML	0.709172	Tampa	2	8
239 Point	238	<Null>	2014 Wesley Chapel Sunrise Rot	Curley Rd ç KPCB	28.25029	-82.3604	jeremys KN	120	162.4574	jeremys KN	0.738655	Pasco		
363 Point	362	12/8/2012	2012 Violet Cury Nature Preserv	Violet Cury KTTB	28.09286	-82.4391	HRCC KML	120	158.98	mikes KML	0.754812	Hillsborouğ	5	10



738 Point	737	3/3/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3.5
739 Point	738	3/14/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
740 Point	739	3/19/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	2.5
7 Point	6	3/19/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	2.5
741 Point	740	3/31/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
285 Point	284	3/31/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
76 Point	75	4/30/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
747 Point	746	5/7/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
748 Point	747	5/29/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
749 Point	748	6/4/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
750 Point	749	6/6/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
753 Point	752	6/25/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
754 Point	753	6/27/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
756 Point	755	7/18/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
757 Point	756	7/21/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
758 Point	757	8/7/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	2.5
41 Point	40	8/7/2014	2014 Riverhills Park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	4
759 Point	758	8/20/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
760 Point	759	9/11/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
761 Point	760	9/18/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3.5
763 Point	762	10/16/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
765 Point	764	11/24/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3.5
767 Point	766	12/4/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
768 Point	767	12/18/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
769 Point	768	12/29/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
770 Point	769	1/13/2015	2015 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	40	50.79895	mikes KML	0.787418	Temple Te	1	3
140 Point	139	8/6/2013	2013 Riverhills Park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	41	50.79895	mikes KML	0.807103	Temple Te	1	2.5
277 Point	276	6/25/2014	2014 Orange River Estates	7607 Gladε KTTB	28.02385	-82.3724	jeremys KN	80	97.20067	jeremys KN	0.82304	Temple Te	21	84
372 Point	371	1/24/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	47	50.79895	mikes KML	0.925216	Temple Te	1	3
772 Point	771	10/12/2009	2009 Rowlett park	Rowlett Pa Bob Luce	28.02669	-82.4316	HRCC KML	80	84.33231	mikes KML	0.948628	Tampa	1	
267 Point	266	7/23/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	49	50.79895	mikes KML	0.964587	Temple Te	1	1.5
406 Point	405	2/22/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	52	50.79895	mikes KML	1.023643	Temple Te	1	3
74 Point	73	9/19/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	54	50.79895	mikes KML	1.063014	Temple Te	1	2
186 Point	185	4/13/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	60	56.40383	mikes KML	1.063758	Tampa	66	264
275 Point	274	6/19/2014	2014 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	60	56.40383	mikes KML	1.063758	Tampa	4	8
445 Point	444	8/7/2014	2014 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	60	56.40383	mikes KML	1.063758	Tampa	13	19.5
260 Point	259	7/9/2010	2010 Grant Park Neighborhood	Grant Park KTTB	27.97802	-82.3962	jeremys KN	200	186.4742	jeremys KN	1.072534	Tampa	15	45
414 Point	413	5/13/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	55	50.79895	mikes KML	1.0827	Temple Te	1	2
183 Point	182	4/18/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	57	50.79895	mikes KML	1.12207	Temple Te	1	2
579 Point	578	6/7/2011	2011 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	60	50.79895	mikes KML	1.181127	Temple Te	1	
582 Point	581	6/17/2011	2011 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	60	50.79895	mikes KML	1.181127	Temple Te	1	
733 Point	732	1/10/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	60	50.79895	mikes KML	1.181127	Temple Te	1	3
387 Point	386	4/23/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	60	50.79895	mikes KML	1.181127	Temple Te	1	3
762 Point	761	10/9/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	60	50.79895	mikes KML	1.181127	Temple Te	1	3.5
766 Point	765	12/1/2014	2014 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	60	50.79895	mikes KML	1.181127	Temple Te	1	3
415 Point	414	4/24/2014	2014 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	100	84.33231	mikes KML	1.185785	Tampa	8	12
1086 Point	1160	9/3/2011	2011 22nd st (bt UACC and Univ	12224-122 KTTB	28.0615	-82.4346	sarah	15	12		1.25	Hillsboroug	11	15
983 Point	1017	9/23/2011	2011 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	15	12		1.25	Tampa	5	15
412 Point	411	4/12/2014	2014 Takomah Trail Park	Takomah T KTTB	28.04156	-82.4015	HRCC KML	40	31.29783	mikes KML	1.278044	Tampa	8	40
69 Point	68	8/1/2013	2013 Riverhills Park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	69	50.79895	mikes KML	1.358296	Temple Te	1	3
502 Point	501	<Null>	2014 Lower Green Swamp Prese	3536 East F HRCC	28.10595	-82.0807	jeremys KN	920	673.2739	jeremys KN	1.366457	Hillsboroug	7	

124 Point	123	4/28/2014	2014 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	70	50.79895	mikes KML	1.377981	Temple Tei	1	5
487 Point	486	4/12/2014	2014 Violet Cury Nature Preserv	Violet Cury KTTB	28.09286	-82.4391	HRCC KML	225	158.98	mikes KML	1.415272	Hillsborouğ	29	87
294 Point	293	5/15/2014	2014 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	80	56.40383	mikes KML	1.418343	Tampa	6	9
771 Point	770	9/21/2009	2009 Rowlett park	Rowlett Pa Bob Luce	28.02669	-82.4316	HRCC KML	120	84.33231	mikes KML	1.422942	Tampa	1	
773 Point	772	10/19/2009	2009 Rowlett park	Rowlett Pa Bob Luce	28.02669	-82.4316	HRCC KML	120	84.33231	mikes KML	1.422942	Tampa	1	
378 Point	377	2/7/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	75	50.79895	mikes KML	1.476408	Temple Tei	1	3
168 Point	167	5/14/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	75	50.79895	mikes KML	1.476408	Temple Tei	1	4
72 Point	71	8/22/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	76	50.79895	mikes KML	1.496094	Temple Tei	1	3
404 Point	403	9/21/2013	2013 Riverfront Park	USF Riverfr KTTB	27.95394	-82.4679	HRCC KML	221	146.0916	jeremys KN	1.51275	Tampa	24	48
570 Point	569	4/29/2011	2011 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	80	50.79895	mikes KML	1.574836	Temple Tei	1	
586 Point	585	6/27/2011	2011 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	80	50.79895	mikes KML	1.574836	Temple Tei	1	
491 Point	490	2/4/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	80	50.79895	mikes KML	1.574836	Temple Tei	1	4
344 Point	343	2/11/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	80	50.79895	mikes KML	1.574836	Temple Tei	1	3
400 Point	399	5/17/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	80	50.79895	mikes KML	1.574836	Temple Tei	1	3
272 Point	271	8/12/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	80	50.79895	mikes KML	1.574836	Temple Tei	1	2
776 Point	775	10/28/2009	2009 Temple Crest park	8230 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
785 Point	784	1/5/2011	2011 Temple Crest park	8177 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
800 Point	799	2/18/2011	2011 Temple Crest park	8192 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
801 Point	800	2/23/2011	2011 Temple Crest park	8193 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
803 Point	802	3/2/2011	2011 Temple Crest park	8195 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
804 Point	803	3/25/2011	2011 Temple Crest park	8196 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
808 Point	807	4/11/2011	2011 Temple Crest park	8200 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
809 Point	808	4/13/2011	2011 Temple Crest park	8201 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
811 Point	810	4/18/2011	2011 Temple Crest park	8203 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
817 Point	816	7/13/2011	2011 Temple Crest park	8210 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
819 Point	818	7/15/2011	2011 Temple Crest park	8211 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
821 Point	820	7/20/2011	2011 Temple Crest park	8213 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
822 Point	821	8/1/2011	2011 Temple Crest park	8214 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
823 Point	822	8/12/2011	2011 Temple Crest park	8215 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
825 Point	824	9/30/2011	2011 Temple Crest park	8217 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	
859 Point	858	7/25/2012	2012 Temple Crest park	8166 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	2
860 Point	859	7/26/2012	2012 Temple Crest park	8167 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3
867 Point	866	12/4/2012	2012 Temple Crest park	8174 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	4
868 Point	867	12/7/2012	2012 Temple Crest park	8175 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	4
869 Point	868	12/10/2012	2012 Temple Crest park	8176 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3
880 Point	879	12/13/2013	2013 Temple Crest park	8143 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3
210 Point	209	4/24/2014	2014 Temple Crest park	8116 Nortf KTTB	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	5
882 Point	881	5/9/2014	2014 Temple Crest park	8118 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	4
884 Point	883	5/16/2014	2014 Temple Crest park	8120 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3
885 Point	884	5/19/2014	2014 Temple Crest park	8121 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3.5
890 Point	889	6/23/2014	2014 Temple Crest park	8126 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	2.5
891 Point	890	7/24/2014	2014 Temple Crest park	8127 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	1
892 Point	891	7/28/2014	2014 Temple Crest park	8128 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	2.5
893 Point	892	8/28/2014	2014 Temple Crest park	8129 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3
894 Point	893	11/5/2014	2014 Temple Crest park	8130 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3
895 Point	894	11/13/2014	2014 Temple Crest park	8131 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3
896 Point	895	11/21/2014	2014 Temple Crest park	8132 Nortf Bob Luce	28.02392	-82.4186	HRCC KML	20	12.55609	mikes KML	1.592853	Tampa	1	3
963 Point	980	12/19/2011	2011 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	sarah	84	50.79895		1.653577	Temple Tei	1	84
185 Point	184	9/9/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	84	50.79895	mikes KML	1.653577	Temple Tei	1	3
975 Point	994	7/2/2011	2011 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	20	12		1.666667	Hillsborouğ	7	20
981 Point	1015	7/30/2011	2011 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	20	12		1.666667	Tampa	9	20

973 Point	991	9/3/2011	2011 BBD (Fletcher to Fowler)	East Fowle KTTB	28.05455	-82.426	sarah	20	12	1.666667	Tampa	2	20	
982 Point	1016	9/10/2011	2011 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	20	12	1.666667	Tampa	17	20	
1010 Point	1057	10/15/2011	2011 Ashley Dr	North Ashl KTTB	27.94898	-82.4604	sarah	20	12	1.666667	Tampa	5	20	
1038 Point	1091	10/25/2011	2011 Dixon Dr	North Dixo KTTB	28.01105	-82.457	sarah	20	12	1.666667	Tampa	4	20	
1003 Point	1046	12/11/2011	2011 42nd St	North 42nd KTTB	28.07659	-82.4141	sarah	20	12	1.666667	Hillsborou	4	20	
1011 Point	1058	2/18/2012	2012 Ashley Rd	Ashley Stre KTTB	28.00218	-82.4629	sarah	20	12	1.666667	Tampa	3	20	
1068 Point	1134	4/1/2012	2012 North Boulevard	North Boul KTTB	27.96138	-82.4678	sarah	20	12	1.666667	Tampa	39	20	
1012 Point	1059	4/21/2012	2012 Baybrooks Ave	Baybrooks KTTB	28.05222	-82.3712	sarah	20	12	1.666667	Temple Te	30	20	
243 Point	242	7/28/2012	2012 Fletcher	East Fletch KTTB	28.06927	-82.4019	street	20	12	street	1.666667	Tampa	4	10
33 Point	32	9/19/2012	2012 St. Cloud	South Sain KTTB	27.91727	-82.2362	street	20	12	street	1.666667	Hillsborou	2	2
166 Point	165	9/27/2012	2012 Columbus Dr	East Colum KTTB	27.96677	-82.3943	street	20	12	street	1.666667	Tampa	3	3
254 Point	253	9/30/2012	2012 Ashley Drive	North Ashl KTTB	27.94898	-82.4604	street	20	12	street	1.666667	Tampa	4	6
433 Point	432	12/5/2012	2012 Columbus Dr	East Colum KTTB	27.96677	-82.3943	street	20	12	street	1.666667	Tampa	7	7
34 Point	33	12/11/2012	2012 St. Cloud Ave	South Sain KTTB	27.91727	-82.2362	street	20	12	street	1.666667	Hillsborou	2	6
32 Point	31	2/22/2013	2013 Skipper Rd	Skipper Ro KTTB	28.08046	-82.4464	street	20	12	street	1.666667	Hillsborou	4	4
388 Point	387	7/10/2013	2013 E Columbus Ext	KTTB	27.96677	-82.3943	jeremys KN	20	12	street	1.666667	Tampa	3	3
544 Point	543	9/15/2013	2013 Livingston Ave	Livingston KTTB	28.06925	-82.4305	street	20	12	street	1.666667	Hillsborou	6	12
439 Point	438	11/3/2013	2013 46th St	North 46th KTTB	28.05289	-82.4099	street	20	12	street	1.666667	Tampa	6	9
173 Point	172	11/3/2013	2013 Ashley Dr	North Ashl KTTB	27.94898	-82.4604	street	20	12	street	1.666667	Tampa	6	12
478 Point	477	11/24/2013	2013 Ashley Dr	North Ashl KTTB	27.94898	-82.4604	street	20	12	street	1.666667	Tampa	3	6
296 Point	295	12/1/2013	2013 Ashley Dr	North Ashl KTTB	27.94898	-82.4604	street	20	12	street	1.666667	Tampa	4	8
188 Point	187	2/9/2014	2014 46th Street	North 46th KTTB	28.05289	-82.4099	street	20	12	street	1.666667	Tampa	6	12
145 Point	144	8/4/2009	2009 New Tampa Community P	New Tamp KTTB	28.13144	-82.3868	mikes KML	120	67.70913	mikes KML	1.772287	Tampa	15	30
78 Point	77	2/4/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	100	56.40383	mikes KML	1.772929	Tampa	65	195
539 Point	538	3/18/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	100	56.40383	mikes KML	1.772929	Tampa	80	240
141 Point	140	9/13/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	94	50.79895	mikes KML	1.850432	Temple Te	1	2
5 Point	4	6/29/2009	2009 Greco Softball Complex	Greco Soft KTTB	28.04943	-82.4032	mikes KML	40	21.60639	mikes KML	1.851304	Tampa	1	1
252 Point	251	7/1/2009	2009 Greco Softball Complex	Greco Soft KTTB	28.04943	-82.4032	mikes KML	40	21.60639	mikes KML	1.851304	Tampa	1	1
525 Point	524	3/12/2014	2014 Rowlett Park/22nd St	8200 Nortl KTTB	28.02669	-82.4316	HRCC KML	160	84.33231	mikes KML	1.897256	Tampa	12	60
276 Point	275	<Null>	2014 Rowlett Park	Rowlett Pa HRCC	28.02669	-82.4316	HRCC KML	160	84.33231	mikes KML	1.897256	Tampa	14	
587 Point	586	7/5/2011	2011 Riverhills park	Riverhills P Bob Luce	28.01599	-82.3851	mikes KML	100	50.79895	mikes KML	1.968545	Temple Te	1	
535 Point	534	4/12/2014	2014 Lowry Park	Lowry Park KTTB	28.01371	-82.4673	HRCC KML	100	48.35245	mikes KML	2.068148	Tampa	11	44
1078 Point	1146	3/6/2012	2012 Skipper Rd	Skipper Ro KTTB	28.08046	-82.4464	sarah	25	12	2.083333	Hillsborou	10	25	
1080 Point	1150	3/18/2012	2012 St. Cloud Ave	South Sain KTTB	27.91727	-82.2362	sarah	25	12	2.083333	Hillsborou	2	25	
11 Point	10	7/24/2014	2014 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	120	56.40383	mikes KML	2.127515	Tampa	13	26
444 Point	443	4/27/2013	2013 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	180	84.33231	mikes KML	2.134413	Tampa	9	27
342 Point	341	10/1/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	20	9	mikes KML	2.222222	Hillsborou	1	2
Point		1/9/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	20	9	mikes KML	2.222222	Hillsborou	1	2
343 Point	342	10/11/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	20	9	mikes KML	2.222222	Hillsborou	1	3
489 Point	488	10/16/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	20	9	mikes KML	2.222222	Hillsborou	1	3
119 Point	118	6/20/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	20	9	mikes KML	2.222222	Hillsborou	1	2
125 Point	124	7/24/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	20	9	mikes KML	2.222222	Hillsborou	1	2
253 Point	252	7/31/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	20	9	mikes KML	2.222222	Hillsborou	1	2
121 Point	120	8/5/2014	2014 TT- University Square Tow	2900 Unive KTTB	28.05765	-82.4269	address	20	8.925617	jeremys KN	2.240741	Hillsborou	44	132
962 Point	979	12/16/2011	2011 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	sarah	120	50.79895		2.362254	Temple Te	1	120
929 Point	936	5/22/2012	2012 Copeland Park	Copeland F KTTB	28.04936	-82.4401	sarah	24	10		2.4	Tampa	26	24
988 Point	1022	6/30/2011	2011 Miller Rd	East Miller KTTB	28.02241	-82.4139	sarah	30	12		2.5	Tampa	6	30
977 Point	996	9/10/2011	2011 Bullard Parkway	Bullard Par KTTB	28.03242	-82.3879	sarah	30	12		2.5	Temple Te	15	30
984 Point	1018	9/17/2011	2011 Kingsway Rd	North King KTTB	28.02163	-82.2791	sarah	30	12		2.5	Hillsborou	9	30
274 Point	273	9/21/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	142	56.40383	mikes KML	2.51756	Tampa	28	84
967 Point	984	5/19/2012	2012 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	sarah	130	50.79895		2.559108	Temple Te	1	130



204 Point	203	8/28/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	136	50.79895	mikes KML	2.677221	Temple Tei	1	3
13 Point	12	10/4/2008	2008 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	240	84.33231	mikes KML	2.845884	Tampa	150	600
84 Point	83	10/20/2012	2012 Sargeants Park	John B Sarç KTTB	28.08253	-82.2836	mikes KML	67	23	mikes KML	2.913043	Hillsborouç	9	18
787 Point	786	1/10/2011	2011 Temple Crest park	8179 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
788 Point	787	1/12/2011	2011 Temple Crest park	8180 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
792 Point	791	1/26/2011	2011 Temple Crest park	8184 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
793 Point	792	1/28/2011	2011 Temple Crest park	8185 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
794 Point	793	1/31/2011	2011 Temple Crest park	8186 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	4
797 Point	796	2/7/2011	2011 Temple Crest park	8189 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
798 Point	797	2/8/2011	2011 Temple Crest park	8190 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
799 Point	798	2/9/2011	2011 Temple Crest park	8191 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
802 Point	801	2/25/2011	2011 Temple Crest park	8194 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
805 Point	804	4/4/2011	2011 Temple Crest park	8197 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
806 Point	805	4/6/2011	2011 Temple Crest park	8198 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
807 Point	806	4/8/2011	2011 Temple Crest park	8199 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
810 Point	809	4/15/2011	2011 Temple Crest park	8202 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
813 Point	812	4/27/2011	2011 Temple Crest park	8205 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
814 Point	813	5/18/2011	2011 Temple Crest park	8206 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
818 Point	817	7/13/2011	2011 Temple Crest park	8209 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
824 Point	823	9/28/2011	2011 Temple Crest park	8216 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	
934 Point	941	10/12/2011	2011 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	sarah	40	12.55609		3.185705	Tampa	1	40
935 Point	942	11/16/2011	2011 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	sarah	40	12.55609		3.185705	Tampa	1	40
937 Point	944	11/23/2011	2011 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	sarah	40	12.55609		3.185705	Tampa	1	40
854 Point	853	6/5/2012	2012 Temple Crest park	8161 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	2
856 Point	855	7/6/2012	2012 Temple Crest park	8163 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
857 Point	856	7/9/2012	2012 Temple Crest park	8164 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
858 Point	857	7/10/2012	2012 Temple Crest park	8165 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	2
455 Point	454	7/25/2012	2012 Temple Crest Park	8116 Nortř KTTB	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
375 Point	374	7/26/2012	2012 Temple Crest Park	8116 Nortř KTTB	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
861 Point	860	8/15/2012	2012 Temple Crest park	8168 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
862 Point	861	8/16/2012	2012 Temple Crest park	8169 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
863 Point	862	9/14/2012	2012 Temple Crest park	8170 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
865 Point	864	10/12/2012	2012 Temple Crest park	8172 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3.5
866 Point	865	11/30/2012	2012 Temple Crest park	8173 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3.5
870 Point	869	1/11/2013	2013 Temple Crest park	8133 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
872 Point	871	1/16/2013	2013 Temple Crest park	8135 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	4
874 Point	873	2/28/2013	2013 Temple Crest park	8137 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
355 Point	354	2/28/2013	2013 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
875 Point	874	3/5/2013	2013 Temple Crest park	8138 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
376 Point	375	3/5/2013	2013 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	2
876 Point	875	3/8/2013	2013 Temple Crest park	8139 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3.5
524 Point	523	3/8/2013	2013 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
774 Point	773	3/11/2013	2013 Temple Cresk park	8116 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
Point		3/11/2013	2013 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	2
878 Point	877	4/8/2013	2013 Temple Crest park	8141 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	4
879 Point	878	4/9/2013	2013 Temple Crest park	8142 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
Point		12/13/2013	2013 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	5
881 Point	880	4/2/2014	2014 Temple Crest park	8117 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
515 Point	514	4/2/2014	2014 Temple Crest park	8116 Nortř KTTB	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	4
883 Point	882	5/12/2014	2014 Temple Crest park	8119 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	4
886 Point	885	5/21/2014	2014 Temple Crest park	8122 Nortř Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3

887 Point	886	5/23/2014	2014 Temple Crest park	8123 North Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
888 Point	887	5/27/2014	2014 Temple Crest park	8124 North Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	2.5
889 Point	888	6/16/2014	2014 Temple Crest park	8125 North Bob Luce	28.02392	-82.4186	HRCC KML	40	12.55609	mikes KML	3.185705	Tampa	1	3
67 Point	66	1/17/2009	2009 Takomah Trail Park	Takomah T KTTB	28.04156	-82.4015	HRCC KML	100	31.29783	mikes KML	3.19511	Tampa	75	225
73 Point	72	8/29/2013	2013 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	mikes KML	166	50.79895	mikes KML	3.267784	Temple Te	1	3
961 Point	978	12/14/2011	2011 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	sarah	168	50.79895		3.307155	Temple Te	1	168
966 Point	983	12/30/2011	2011 Riverhills park	Riverhills P KTTB	28.01599	-82.3851	sarah	168	50.79895		3.307155	Temple Te	1	168
6 Point	5	4/12/2014	2014 MacFarlane park	Macfarlane KTTB	27.95797	-82.4953	mikes KML	100	30.18358	mikes KML	3.31306	Tampa	70	210
1055 Point	1121	12/3/2011	2011 Lumsden Rd	East Lumsc KTTB	27.92336	-82.2528	sarah	40	12		3.333333	Hillsborou	5	40
1014 Point	1064	12/10/2011	2011 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	40	12		3.333333	Hillsborou	5	40
997 Point	1038	12/14/2011	2011 131st ST	East 131st KTTB	28.06558	-82.4429	sarah	40	12		3.333333	Hillsborou	10	40
1009 Point	1052	1/28/2012	2012 58th St	58th St, Ta KTTB	27.96472	-82.3898	sarah	40	12		3.333333	Tampa	15	40
1015 Point	1065	1/28/2012	2012 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	40	12		3.333333	Hillsborou	6	40
1067 Point	1133	2/1/2012	2012 North Boulevard	North Boul KTTB	27.96138	-82.4678	sarah	40	12		3.333333	Tampa	30	40
1043 Point	1107	3/24/2012	2012 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	40	12		3.333333	Tampa	6	40
998 Point	1039	3/31/2012	2012 131st ST	East 131st KTTB	28.06558	-82.4429	sarah	40	12		3.333333	Hillsborou	5	40
1063 Point	1129	4/29/2012	2012 Miller Rd	East Miller KTTB	28.02241	-82.4139	sarah	40	12		3.333333	Tampa	4	40
1045 Point	1109	5/26/2012	2012 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	40	12		3.333333	Tampa	6	40
382 Point	381	6/28/2012	2012 McKinley Dr	McKinley C KTTB	28.03564	-82.4162	street	40	12	street	3.333333	Tampa	12	24
362 Point	361	9/1/2012	2012 Fletcher	East Fletch KTTB	28.06927	-82.4019	street	40	12	street	3.333333	Tampa	10	25
30 Point	29	9/8/2012	2012 Robertson Rd	Robertson KTTB	28.15693	-82.4242	street	40	12	street	3.333333	Hillsborou	6	12
474 Point	473	9/22/2012	2012 Bullard Parkway	Bullard Par KTTB	28.03242	-82.3879	street	40	12	street	3.333333	Temple Te	19	19
356 Point	355	10/6/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	street	40	12	street	3.333333	Hillsborou	4	12
116 Point	115	10/16/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	30	9	mikes KML	3.333333	Hillsborou	1	2
420 Point	419	11/9/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	30	9	mikes KML	3.333333	Hillsborou	1	2
100 Point	99	11/18/2012	2012 Livingston Rd	Livingston KTTB	28.17898	-82.4278	street	40	12	street	3.333333	Pasco	10	20
318 Point	317	11/18/2012	2012 Livingston Rd	Livingston KTTB	28.17898	-82.4278	street	40	12	street	3.333333	Pasco	10	20
354 Point	353	1/15/2013	2013 130th St	East 130th KTTB	28.06501	-82.4511	street	40	12	street	3.333333	Hillsborou	7	7
393 Point	392	3/24/2013	2013 Ashley Blvd	Ashley Stre KTTB	28.04074	-82.4612	street	40	12	street	3.333333	Tampa	5	10
430 Point	429	8/3/2013	2013 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	street	40	12	street	3.333333	Hillsborou	5	7.5
245 Point	244	8/17/2013	2013 S Hyde Park Ave	South Hyde KTTB	27.94167	-82.4639	street	40	12	street	3.333333	Tampa	4	8
511 Point	510	9/7/2013	2013 Livingston Ave	Livingston KTTB	28.06925	-82.4305	street	40	12	street	3.333333	Hillsborou	9	13.5
548 Point	547	9/7/2013	2013 Livingston Ave	Livingston KTTB	28.06925	-82.4305	street	40	12	street	3.333333	Hillsborou	9	13.5
192 Point	191	9/21/2013	2013 Fremont & Pine St	North Fren KTTB	27.96076	-82.4787	street	40	12	street	3.333333	Tampa	5	10
317 Point	316	10/26/2013	2013 Henderson Ave	East Hend KTTB	27.95957	-82.4553	street	40	12	street	3.333333	Tampa	9	18
35 Point	34	12/23/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	30	9	mikes KML	3.333333	Hillsborou	1	5
327 Point	326	12/30/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	30	9	mikes KML	3.333333	Hillsborou	1	4
358 Point	357	2/1/2014	2014 42nd St	North 42nd KTTB	28.07659	-82.4141	street	40	12	street	3.333333	Hillsborou	7	14
151 Point	150	3/18/2014	2014 Miller Rd	East Miller KTTB	28.02241	-82.4139	street	40	12	street	3.333333	Tampa	5	10
360 Point	359	6/4/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	30	9	mikes KML	3.333333	Hillsborou	1	2
97 Point	96	6/14/2014	2014 Falkenburg Rd	North Falk KTTB	27.97906	-82.335	street	40	12	street	3.333333	Hillsborou	7	7
512 Point	511	7/19/2014	2014 N. Blvd	N Boulevard KTTB	27.96138	-82.4678	HRCC KML	40	12	street	3.333333	Tampa	7	10.5
481 Point	480	7/19/2014	2014 North Boulevard Fletcher	East Fletch KTTB	27.96138	-82.4678	HRCC KML	40	12	street	3.333333	Tampa	7	10.5
164 Point	163	9/1/2014	2014 Skipper Rd	Skipper Ro KTTB	28.08046	-82.4464	street	40	12	street	3.333333	Hillsborou	14	28
85 Point	84	5/4/2013	2013 Violet Cury Nature Preserv	Violet Cury KTTB	28.09286	-82.4391	HRCC KML	551	158.98	mikes KML	3.465845	Hillsborou	16	48
335 Point	334	2/27/2014	2014 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	200	56.40383	mikes KML	3.545858	Tampa	12	24
311 Point	310	<Null>	2014 Copeland Park	Copeland F HRCC	28.04936	-82.4401	HRCC KML	200	56.40383	mikes KML	3.545858	Tampa	24	
12 Point	11	10/20/2012	2012 New Tampa Rec Center	Campus Re KTTB	28.13144	-82.3868	mikes KML	249	67.70913	mikes KML	3.677495	Tampa	15	37.5
209 Point	208	2/3/2014	2014 Tampa Prep	Tampa Pre KTTB	27.96399	-82.4539	mikes KML	40	10.81248	mikes KML	3.699429	Tampa	40	120
1061 Point	1127	10/15/2011	2011 Miller Rd	East Miller KTTB	28.02241	-82.4139	sarah	45	12		3.75	Tampa	6	45
1062 Point	1128	12/27/2011	2011 Miller Rd	East Miller KTTB	28.02241	-82.4139	sarah	45	12		3.75	Tampa	4	45

1002 Point	1045	1/21/2012	2012 30th ST	30th St @ I KTTB	28.05257	-82.426 sarah	45	12	3.75 Tampa	10	45
533 Point	532	6/15/2012	2012 Columbus Dr	East Colum KTTB	27.96677	-82.3943 street	45	12 street	3.75 Tampa	3	3
377 Point	376	10/20/2012	2012 Riverhills park	Riverhills P KTTB	28.01599	-82.3851 mikes KML	195	50.79895 mikes KML	3.838662 Temple Tei	18	45
413 Point	412	4/27/2013	2013 Lowry Park	Lowry Park KTTB	28.01371	-82.4673 HRCC KML	190	48.35245 mikes KML	3.92948 Tampa	30	90
953 Point	970	9/17/2011	2011 Riverhills Park	Riverhills P KTTB	28.01599	-82.3851 sarah	200	50.79895	3.937089 Temple Tei	19	200
306 Point	305	5/1/2013	2013 Curtis Hixon Park	Curtis Hixo KTTB	27.94879	-82.4616 HRCC KML	20	5.01071 mikes KML	3.99145 Tampa	7	28
915 Point	918	4/20/2012	2012 American Youth Academy	American \ KTTB	28.06438	-82.3904 sarah	20	5	4 Hillsborouξ	30	20
208 Point	207	4/27/2013	2013 University Area Communit	University KTTB	28.07496	-82.4331 mikes KML	40	9.743486 mikes KML	4.105307 Hillsborouξ	27	81
		7/16/2011	2011 Lowry Park	Lowry Park KTTB	28.01371	-82.4673 HRCC KML	200	48.35245 mikes KML	4.136295 Tampa	18	54
972 Point	989	6/25/2011	2011 131st St	East 131st KTTB	28.06558	-82.4429 sarah	50	12	4.166667 Hillsborouξ	9	50
1035 Point	1088	9/17/2011	2011 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173 sarah	50	12	4.166667 Hillsborouξ	9	50
996 Point	1037	12/22/2011	2011 130th St	East 130th KTTB	28.06501	-82.4511 sarah	50	12	4.166667 Hillsborouξ	27	50
979 Point	998	2/18/2012	2012 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173 sarah	50	12	4.166667 Hillsborouξ	9	50
1 Point	0	3/11/2013	2013 MacFarlane Park	Macfarlanε KTTB	27.95797	-82.4953 mikes KML	130	30.18358 mikes KML	4.306978 Tampa	11	33
182 Point	181	6/12/2014	2014 Robles Park	Robles Par KTTB	27.97404	-82.455 HRCC KML	80	18.03413 mikes KML	4.436033 Tampa	5	7.5
1090 Point	1171	10/31/2011	2011 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 sarah	40	9	4.444444 Hillsborouξ	1	40
1092 Point	1173	5/22/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 sarah	40	9	4.444444 Hillsborouξ	1	40
345 Point	344	8/31/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	4
115 Point	114	10/10/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	1
36 Point	35	10/15/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2
460 Point	459	10/19/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2.5
395 Point	394	11/2/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2
197 Point	196	11/28/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2
126 Point	125	12/10/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	3
224 Point	223	9/27/2013	2013 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	3.5
279 Point	278	10/10/2013	2013 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	3
300 Point	299	10/18/2013	2013 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	3
131 Point	130	10/28/2013	2013 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	3
221 Point	220	1/21/2014	2014 Hillsboough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	4
357 Point	356	5/29/2014	2014 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2
280 Point	279	6/6/2014	2014 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2
443 Point	442	6/9/2014	2014 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2
120 Point	119	6/23/2014	2014 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2
281 Point	280	6/25/2014	2014 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	2
53 Point	52	7/21/2014	2014 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253 HRCC KML	40	9 mikes KML	4.444444 Hillsborouξ	1	4
777 Point	776	10/30/2009	2009 Temple Crest park	8231 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	
781 Point	780	11/17/2009	2009 Temple Crest park	8235 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	
784 Point	783	11/30/2009	2009 Temple Crest park	8238 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	
790 Point	789	1/18/2011	2011 Temple Crest park	8182 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	
791 Point	790	1/24/2011	2011 Temple Crest park	8183 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	
795 Point	794	2/2/2011	2011 Temple Crest park	8187 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	4
796 Point	795	2/4/2011	2011 Temple Crest park	8188 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	
820 Point	819	7/18/2011	2011 Temple Crest park	8212 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	
853 Point	852	6/4/2012	2012 Temple Crest park	8160 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	4
855 Point	854	6/28/2012	2012 Temple Crest park	8162 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	3
864 Point	863	9/24/2012	2012 Temple Crest park	8171 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	4
871 Point	870	1/14/2013	2013 Temple Crest park	8134 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	4
873 Point	872	1/23/2013	2013 Temple Crest park	8136 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	3.5
877 Point	876	3/18/2013	2013 Temple Crest park	8140 Nort† Bob Luce	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	3.5
528 Point	527	3/18/2013	2013 Temple Crest park	8116 Nort† KTTB	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	2
546 Point	545	4/8/2013	2013 Temple Crest park	8116 Nort† KTTB	28.02392	-82.4186 HRCC KML	60	12.55609 mikes KML	4.778558 Tampa	1	2

214 Point	213	4/12/2014	2014 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	404	84.33231	mikes KML	4.790572	Tampa	34	153
1060 Point	1126	10/2/2011	2011 Miller Rd	East Miller KTTB	28.02241	-82.4139	sarah	60	12			5 Tampa	5	60
914 Point	915	1/14/2012	2012 Heritage Festival	600 North KTTB	27.94885	-82.4617	sarah	20	4			5 Tampa	4	20
1065 Point	1131	1/28/2012	2012 North Blvd	North Boul KTTB	27.96138	-82.4678	sarah	60	12			5 Tampa	10	60
1071 Point	1137	4/14/2012	2012 Ola Ave	North Ola , KTTB	28.05098	-82.4637	sarah	60	12			5 Tampa	15	60
1020 Point	1070	4/21/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	60	12			5 Hillsborou	10	60
1036 Point	1089	5/12/2012	2012 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173	sarah	60	12			5 Hillsborou	6	60
1084 Point	1158	5/15/2012	2012 Yukon & 34th ST	East Yukon KTTB	28.02893	-82.4228	sarah	60	12			5 Tampa	1	60
1044 Point	1108	5/18/2012	2012 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	60	12			5 Tampa	6	60
948 Point	958	5/19/2012	2012 Branchton Park	15702 Mor KTTB	28.14189	-82.2819	sarah	100	20			5 Hillsborou	8	100
216 Point	215	11/17/2012	2012 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173	street	60	12	street		5 Hillsborou	4	4
447 Point	446	12/1/2012	2012 Clifton St Median	Clifton Stre KTTB	28.0173	-82.4425	street	60	12	street		5 Tampa	5	7.5
454 Point	453	4/23/2013	2013 130th Ave	East 130th KTTB	28.06501	-82.4511	street	60	12	street		5 Hillsborou	24	24
202 Point	201	7/6/2013	2013 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	street	60	12	street		5 Hillsborou	13	13
102 Point	101	11/20/2013	2013 McKinley Ave	McKinley C KTTB	28.03564	-82.4162	street	60	12	street		5 Tampa	3	6
150 Point	149	12/28/2013	2013 Miller Rd	East Miller KTTB	28.02241	-82.4139	street	60	12	street		5 Tampa	4	8
113 Point	112	1/13/2014	2014 St Cloud	South Sain KTTB	27.91727	-82.2362	street	60	12	street		5 Hillsborou	3	5.25
366 Point	365	2/15/2014	2014 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173	street	60	12	street		5 Hillsborou	7	10.5
417 Point	416	5/4/2014	2014 Miller Rd	East Miller KTTB	28.02241	-82.4139	street	60	12	street		5 Tampa	4	8
323 Point	322	6/19/2014	2014 St. Cloud Rd	South Sain KTTB	27.91727	-82.2362	street	60	12	street		5 Hillsborou	1	2.5
368 Point	367	8/2/2014	2014 Lumsden	East Lumsc KTTB	27.92336	-82.2528	street	60	12	street		5 Hillsborou	4	4
322 Point	321	9/8/2014	2014 St Cloud Rd	South Sain KTTB	27.91727	-82.2362	street	60	12	street		5 Hillsborou	2	10
371 Point	370	9/21/2013	2013 Veteran's Memorial Park	Wildernes KTTB	27.97642	-82.3625	HRCC KML	80	15.9203	jeremys KN	5.025031	Hillsborou	4	12
64 Point	63	7/6/2012	2012 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	HRCC KML	65	12.55609	mikes KML	5.176771	Tampa	1	2
347 Point	346	9/17/2012	2012 MacFarlane Park	Macfarlan KTTB	27.95797	-82.4953	mikes KML	160	30.18358	mikes KML	5.300895	Tampa	4	12
213 Point	212	10/4/2008	2008 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	300	56.40383	mikes KML	5.318788	Tampa	150	600
312 Point	311	4/17/2010	2010 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	300	56.40383	mikes KML	5.318788	Tampa	19	57
103 Point	102	8/19/2012	2012 Miller Rd	East Miller KTTB	28.02241	-82.4139	street	65	12	street	5.416667	Tampa	4	12
464 Point	463	4/12/2010	2010 Rowlett Park AND 22ND ST	8200 Nort KTTB	28.02669	-82.4316	HRCC KML	460	84.33231	mikes KML	5.454612	Tampa	20	60
426 Point	425	7/2/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	50	9	mikes KML	5.555556	Hillsborou	1	4
158 Point	157	5/7/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	50	9	mikes KML	5.555556	Hillsborou	1	2
923 Point	928	4/21/2012	2012 Yellow Jacket Field	Tampa, FL, KTTB	27.96144	-82.4737	sarah	40	7		5.714286	Tampa	13	40
1076 Point	1143	11/27/2011	2011 S St. Cloud	South Sain KTTB	27.91727	-82.2362	sarah	70	12		5.833333	Hillsborou	2	70
1037 Point	1090	5/25/2012	2012 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173	sarah	70	12		5.833333	Hillsborou	6	70
383 Point	382	5/24/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	55	9	mikes KML	6.111111	Hillsborou	1	3
15 Point	14	8/22/2009	2009 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	520	84.33231	mikes KML	6.166083	Tampa	16	32
295 Point	294	9/21/2013	2013 Violet Cury Nature Preserv	Violet Cury KTTB	28.09286	-82.4391	HRCC KML	1003	158.98	mikes KML	6.30897	Hillsborou	66	198
235 Point	234	<Null>	2014 Julian Lane Riverfront Park	1001 Nort HRCC	27.95365	-82.467	jeremys KN	120	18.89312	jeremys KN	6.351518	Tampa	21	
780 Point	779	11/13/2009	2009 Temple Crest park	8234 Nort Bob Luce	28.02392	-82.4186	HRCC KML	80	12.55609	mikes KML	6.37141	Tampa	1	
782 Point	781	11/20/2009	2009 Temple Crest park	8236 Nort Bob Luce	28.02392	-82.4186	HRCC KML	80	12.55609	mikes KML	6.37141	Tampa	1	
815 Point	814	6/29/2011	2011 Temple Crest park	8207 Nort Bob Luce	28.02392	-82.4186	HRCC KML	80	12.55609	mikes KML	6.37141	Tampa	1	
411 Point	410	6/5/2012	2012 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	HRCC KML	80	12.55609	mikes KML	6.37141	Tampa	1	2
987 Point	1021	6/18/2011	2011 Miller Rd	East Miller KTTB	28.02241	-82.4139	sarah	80	12		6.666667	Tampa	5	80
992 Point	1026	9/10/2011	2011 Ola Ave	North Ola , KTTB	28.05098	-82.4637	sarah	80	12		6.666667	Tampa	13	80
1077 Point	1145	10/25/2011	2011 Skipper Rd	Skipper Ro KTTB	28.08046	-82.4464	sarah	80	12		6.666667	Hillsborou	15	80
1052 Point	1116	12/20/2011	2011 Highview Rd	Highview R KTTB	27.97417	-82.2982	sarah	80	12		6.666667	Hillsborou	4	80
1024 Point	1074	1/28/2012	2012 Bullard Parkway	Bullard Par KTTB	28.03242	-82.3879	sarah	80	12		6.666667	Temple Tei	12	80
1085 Point	1159	5/18/2012	2012 Yukon & 34th ST	East Yukon KTTB	28.02893	-82.4228	sarah	80	12		6.666667	Tampa	1	80
157 Point	156	7/9/2012	2012 Yukon & 34th ST	East Yukon KTTB	28.02893	-82.4228	street	80	12	street	6.666667	Tampa	1	2
194 Point	193	8/18/2012	2012 Lumsden Rd	East Lumsc KTTB	27.92336	-82.2528	street	80	12	street	6.666667	Hillsborou	4	30
551 Point	550	9/8/2012	2012 Livingston	Livingston KTTB	28.06925	-82.4305	street	80	12	street	6.666667	Hillsborou	10	30

418 Point	417	9/22/2012	2012 North Boulevard (Fletcher)	East Fletch KTTB	27.96138	-82.4678	HRCC KML	80	12 street	6.666667 Tampa	8	12
545 Point	544	10/9/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	2
302 Point	301	10/12/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	2
28 Point	27	10/20/2012	2012 Ola Ave	North Ola , KTTB	28.05098	-82.4637	street	80	12 street	6.666667 Tampa	11	16.5
330 Point	329	11/1/2012	2012 Miller Rd	East Miller KTTB	28.02241	-82.4139	street	80	12 street	6.666667 Tampa	6	9
222 Point	221	11/5/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	3
37 Point	36	11/20/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	2
107 Point	106	12/1/2012	2012 Ola Ave	North Ola , KTTB	28.05098	-82.4637	street	80	12 street	6.666667 Tampa	18	36
198 Point	197	12/4/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	2
110 Point	109	12/8/2012	2012 Robertson Rd	Robertson KTTB	28.15693	-82.4242	street	80	12 street	6.666667 Hillsborou	8	12
170 Point	169	12/27/2012	2012 Miller Rd	East Miller KTTB	28.02241	-82.4139	street	80	12 street	6.666667 Tampa	5	15
287 Point	286	12/31/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	5
299 Point	298	1/2/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	4
498 Point	497	2/9/2013	2013 131st ST	East 131st KTTB	28.06558	-82.4429	street	80	12 street	6.666667 Hillsborou	6	12
29 Point	28	2/9/2013	2013 Ola Ave	North Ola , KTTB	28.05098	-82.4637	street	80	12 street	6.666667 Tampa	22	22
315 Point	314	2/16/2013	2013 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173	street	80	12 street	6.666667 Hillsborou	8	8
20 Point	19	3/2/2013	2013 Bullard Pkwy	Bullard Par KTTB	28.03242	-82.3879	street	80	12 street	6.666667 Temple Tei	5	25
218 Point	217	3/14/2013	2013 Miller Rd	East Miller KTTB	28.02241	-82.4139	street	80	12 street	6.666667 Tampa	4	12
483 Point	482	3/22/2013	2013 Skipper Rd	Skipper Ro KTTB	28.08046	-82.4464	street	80	12 street	6.666667 Hillsborou	4	12
316 Point	315	4/24/2013	2013 E Columbus Ext	KTTB	27.96677	-82.3943	jeremys KM	80	12 street	6.666667 Tampa	4	16
46 Point	45	10/25/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	5
39 Point	38	12/7/2013	2013 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426	street	80	12 street	6.666667 Hillsborou	3	4.5
154 Point	153	12/7/2013	2013 Robertson Rd	Robertson KTTB	28.15693	-82.4242	street	80	12 street	6.666667 Hillsborou	4	6
44 Point	43	12/8/2013	2013 42nd St	North 42nd KTTB	28.07659	-82.4141	street	80	12 street	6.666667 Hillsborou	8	16
292 Point	291	12/23/2013	2013 43rd St	North 43rd KTTB	27.99974	-82.41	street	80	12 street	6.666667 Tampa	4	4
337 Point	336	2/1/2014	2014 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	street	80	12 street	6.666667 Tampa	5	10
18 Point	17	2/21/2014	2014 43rd Street	North 43rd KTTB	27.99974	-82.41	street	80	12 street	6.666667 Tampa	7	21
47 Point	46	5/16/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	2
27 Point	26	5/27/2014	2014 N 77th St	North 77th KTTB	27.97258	-82.3699	street	80	12 street	6.666667 Hillsborou	4	8
384 Point	383	6/16/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	60	9 mikes KML	6.666667 Hillsborou	1	2
938 Point	945	11/29/2011	2011 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	sarah	84	12.55609	6.689981 Tampa	1	84
939 Point	946	12/2/2011	2011 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	sarah	84	12.55609	6.689981 Tampa	1	84
985 Point	1019	7/3/2011	2011 Livingston	Livingston KTTB	28.06925	-82.4305	sarah	81	12	6.75 Hillsborou	5	81
91 Point	90	7/3/2012	2012 Ashley Dr	North Ashl KTTB	27.94898	-82.4604	street	81	12 street	6.75 Tampa	5	18.75
225 Point	224	10/15/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	64	9 mikes KML	7.111111 Hillsborou	1	3
897 Point	896	11/8/2014	2014 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	220	30 Damico err	7.333333 Tampa		21
990 Point	1024	9/3/2011	2011 North Blvd	North Boul KTTB	27.99426	-82.468	sarah	90	12	7.5 Tampa	9	90
1030 Point	1082	1/28/2012	2012 Columbus Dr	East Colum KTTB	27.96677	-82.3943	sarah	90	12	7.5 Tampa	17	90
1047 Point	1111	2/4/2012	2012 Florence Ave	Florence A KTTB	28.04288	-82.4544	sarah	90	12	7.5 Tampa	9	90
421 Point	420	3/29/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	70	9 mikes KML	7.777778 Hillsborou	1	4
190 Point	189	8/9/2014	2014 Falkenburg Rd	North Falk KTTB	27.97906	-82.335	street	94	12 street	7.833333 Hillsborou	8	16
308 Point	307	4/12/2014	2014 Cass St/Tampa Prep	Tampa Pre KTTB	27.95114	-82.467	mikes KML	85	10.81248 mikes KML	7.861286 Tampa	6	18
778 Point	777	11/3/2009	2009 Temple Crest park	8232 Nort Bob Luce	28.02392	-82.4186	HRCC KML	100	12.55609 mikes KML	7.964263 Tampa	1	
779 Point	778	11/6/2009	2009 Temple Crest park	8233 Nort Bob Luce	28.02392	-82.4186	HRCC KML	100	12.55609 mikes KML	7.964263 Tampa	1	
786 Point	785	1/7/2011	2011 Temple Crest park	8178 Nort Bob Luce	28.02392	-82.4186	HRCC KML	100	12.55609 mikes KML	7.964263 Tampa	1	
789 Point	788	1/14/2011	2011 Temple Crest park	8181 Nort Bob Luce	28.02392	-82.4186	HRCC KML	100	12.55609 mikes KML	7.964263 Tampa	1	
812 Point	811	4/20/2011	2011 Temple Crest park	8204 Nort Bob Luce	28.02392	-82.4186	HRCC KML	100	12.55609 mikes KML	7.964263 Tampa	1	
816 Point	815	7/1/2011	2011 Temple Crest park	8208 Nort Bob Luce	28.02392	-82.4186	HRCC KML	100	12.55609 mikes KML	7.964263 Tampa	1	
437 Point	436	1/23/2013	2013 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	HRCC KML	100	12.55609 mikes KML	7.964263 Tampa	1	3
83 Point	82	10/20/2012	2012 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	672	84.33231 mikes KML	7.968476 Tampa	55	110
81 Point	80	9/21/2013	2013 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	HRCC KML	688	84.33231 mikes KML	8.158202 Tampa	56	168

995 Point	1036	10/27/2011	2011 130th St	East 130th KTTB	28.06501	-82.4511 sarah	100	12	8.333333 Hillsborou	37	100
1016 Point	1066	12/10/2011	2011 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426 sarah	100	12	8.333333 Hillsborou	18	100
1034 Point	1087	12/10/2011	2011 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173 sarah	100	12	8.333333 Hillsborou	10	100
1056 Point	1122	2/4/2012	2012 Lumsden Rd	East Lumsc KTTB	27.92336	-82.2528 sarah	100	12	8.333333 Hillsborou	4	100
1075 Point	1142	3/10/2012	2012 Robertson Rd	Robertson KTTB	28.15693	-82.4242 sarah	100	12	8.333333 Hillsborou	9	100
999 Point	1040	4/20/2012	2012 131st ST	East 131st KTTB	28.06558	-82.4429 sarah	100	12	8.333333 Hillsborou	64	100
1033 Point	1085	5/14/2012	2012 Columbus Dr	East Colur KTTB	27.96677	-82.3943 sarah	100	12	8.333333 Tampa	2	100
161 Point	160	6/16/2012	2012 Robertson Rd	Robertson KTTB	28.15693	-82.4242 street	100	12 street	8.333333 Hillsborou	7	14
187 Point	186	7/14/2012	2012 131st ST	East 131st KTTB	28.06558	-82.4429 street	100	12 street	8.333333 Hillsborou	10	20
248 Point	247	9/15/2012	2012 Kingsway Rd	North King KTTB	28.02163	-82.2791 street	100	12 street	8.333333 Hillsborou	5	15
407 Point	406	9/15/2012	2012 Kingsway Rd	North King KTTB	28.02163	-82.2791 street	100	12 street	8.333333 Hillsborou	7	17.5
516 Point	515	10/5/2012	2012 132nd Street	East 132nd KTTB	28.06732	-82.4396 street	100	12 street	8.333333 Hillsborou	7	7
496 Point	495	11/12/2012	2012 N. Blvd	N Boulevar KTTB	27.96138	-82.4678 HRCC KML	100	12 street	8.333333 Tampa	10	15
304 Point	303	2/9/2013	2013 132nd Street	East 132nd KTTB	28.06732	-82.4396 street	100	12 street	8.333333 Hillsborou	10	20
288 Point	287	3/23/2013	2013 Miller Rd	East Miller KTTB	28.02241	-82.4139 street	100	12 street	8.333333 Tampa	3	9
26 Point	25	9/14/2013	2013 McKinley Ave	McKinley C KTTB	28.03564	-82.4162 street	100	12 street	8.333333 Tampa	4	8
90 Point	89	9/21/2013	2013 Albany Ave	North Alba KTTB	27.96902	-82.4806 street	100	12 street	8.333333 Tampa	8	16
503 Point	502	10/19/2013	2013 44th & Chelsea St	East Chelse KTTB	27.98514	-82.4085 street	100	12 street	8.333333 Tampa	6	18
457 Point	456	11/15/2013	2013 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019 street	100	12 street	8.333333 Tampa	4	8
96 Point	95	11/16/2013	2013 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173 street	100	12 street	8.333333 Hillsborou	5	5
495 Point	494	12/14/2013	2013 Florence Ave	Florence A KTTB	28.04288	-82.4544 street	100	12 street	8.333333 Tampa	10	15
416 Point	415	2/15/2014	2014 Bullard Parkway	Bullard Par KTTB	28.03242	-82.3879 street	100	12 street	8.333333 Temple Tei	16	32
106 Point	105	6/7/2014	2014 North Boulevard	North Boul KTTB	27.96138	-82.4678 HRCC KML	100	12 street	8.333333 Tampa	5	5
247 Point	246	6/23/2014	2014 Valrico Rd	North Valri KTTB	27.96522	-82.2528 street	100	12 street	8.333333 Hillsborou	1	5.5
307 Point	306	6/27/2014	2014 22nd St	South 22nc KTTB	28.01825	-82.4343 HRCC KML	60	6.923757 mikes KML	8.665815 Tampa	9	18
968 Point	985	4/30/2012	2012 Hillsborough River- Riverhi	1104 River KTTB	28.04014	-82.3755 sarah	80	9	8.888889 Temple Tei	1	80
326 Point	325	1/11/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	80	9 mikes KML	8.888889 Hillsborou	1	3
369 Point	368	1/14/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	80	9 mikes KML	8.888889 Hillsborou	1	5
542 Point	541	1/10/2014	2014 Hillsboough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	80	9 mikes KML	8.888889 Hillsborou	1	5
118 Point	117	5/19/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	80	9 mikes KML	8.888889 Hillsborou	1	2
201 Point	200	5/27/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	80	9 mikes KML	8.888889 Hillsborou	1	2
282 Point	281	7/18/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	80	9 mikes KML	8.888889 Hillsborou	1	4
55 Point	54	4/7/2014	2014 FLG	KTTB	27.9863	-82.3632 mikes KML	7	0.755963 mikes KML	9.259712 Hillsborou	4	12
775 Point	774	10/9/2009	2009 Temple Crest park	8229 Nortl Bob Luce	28.02392	-82.4186 HRCC KML	120	12.55609 mikes KML	9.557115 Tampa	1	
783 Point	782	11/24/2009	2009 Temple Crest park	8237 Nortl Bob Luce	28.02392	-82.4186 HRCC KML	120	12.55609 mikes KML	9.557115 Tampa	1	
1082 Point	1156	5/11/2012	2012 Yukon & 34th ST	East Yukon KTTB	28.02893	-82.4228 sarah	115	12	9.583333 Tampa	1	115
899 Point	898	3/28/2015	2015 Hillsborough River SP	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	390	40 Damico err	9.75 Hillsborou		633
		2/5/2011	2011 Lowry Park	Lowry Park KTTB	28.01371	-82.4673 HRCC KML	480	48.35245 mikes KML	9.927108 Tampa	35	105
334 Point	333	8/24/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401 HRCC KML	560	56.40383 mikes KML	9.928404 Tampa	16	48
989 Point	1023	6/11/2011	2011 North Blvd	North Boul KTTB	27.99426	-82.468 sarah	120	12	10 Tampa	7	120
1069 Point	1135	11/5/2011	2011 Ola Ave	North Ola , KTTB	28.05098	-82.4637 sarah	120	12	10 Tampa	10	120
1023 Point	1073	12/3/2011	2011 Bullard Parkway	Bullard Par KTTB	28.03242	-82.3879 sarah	120	12	10 Temple Tei	14	120
1064 Point	1130	12/3/2011	2011 N Blvd	N Boulevar KTTB	28.05098	-82.4676 sarah	120	12	10 Tampa	8	120
949 Point	960	1/14/2012	2012 Lowry Park	Lowry Park KTTB	28.01371	-82.4673 sarah	200	20	10 Tampa	100	200
1070 Point	1136	2/4/2012	2012 Ola Ave	North Ola , KTTB	28.05098	-82.4637 sarah	120	12	10 Tampa	13	120
1025 Point	1075	4/21/2012	2012 Bullard Parkway	Bullard Par KTTB	28.03242	-82.3879 sarah	120	12	10 Temple Tei	14	120
930 Point	937	5/23/2012	2012 Copeland Park	Copeland F KTTB	28.04936	-82.4401 sarah	100	10	10 Tampa	30	100
472 Point	471	9/14/2013	2013 N Blvd	N Boulevar KTTB	28.05098	-82.4676 street	120	12 street	10 Tampa	6	6
45 Point	44	9/14/2013	2013 North Boulevard	North Boul KTTB	27.96138	-82.4678 HRCC KML	120	12 street	10 Tampa	31	93
147 Point	146	2/22/2014	2014 Florence Ave	Florence A KTTB	28.04288	-82.4544 street	120	12 street	10 Tampa	9	9
467 Point	466	3/4/2014	2014 Valrico Rd - SR 60 to Whee	valrico and KTTB	27.97436	-82.2528 street	120	12 street	10 Hillsborou	1	5.5

111 Point	110	3/23/2014	2014 Robertson Rd	Robertson KTTB	28.15693	-82.4242	street	120	12	street	10 Hillsborou	3	6
465 Point	464	3/25/2014	2014 131st St	East 131st KTTB	28.06558	-82.4429	street	120	12	street	10 Hillsborou	4	8
370 Point	369	5/12/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	90	9	mikes KML	10 Hillsborou	1	2
497 Point	496	5/17/2014	2014 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173	street	120	12	street	10 Hillsborou	8	12
241 Point	240	6/30/2014	2014 43rd Street	North 43rd KTTB	27.99974	-82.41	street	120	12	street	10 Tampa	6	9
367 Point	366	8/16/2014	2014 Cross Creek Blvd	Cross Cree KTTB	28.14257	-82.3173	street	120	12	street	10 Hillsborou	11	11
936 Point	943	11/21/2011	2011 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	sarah	126	12.55609		10.03497 Tampa	1	126
352 Point	351	4/12/2014	2014 Veterans Memorial Park	Wildernes KTTB	27.97642	-82.3625	HRCC KML	160	15.9203	jeremys KN	10.05006 Hillsborou	13	32.5
219 Point	218	9/7/2013	2013 Robertson Rd	Robertson KTTB	28.15693	-82.4242	street	122	12	street	10.16667 Hillsborou	4	4
1040 Point	1104	12/9/2011	2011 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	124	12		10.33333 Tampa	5	124
236 Point	235	6/21/2011	2011 Lowry Park	Lowry Park KTTB	28.01371	-82.4673	HRCC KML	500	48.35245	mikes KML	10.34074 Tampa	35	105
410 Point	409	9/21/2013	2013 Branchton Park	15704 Mor KTTB	28.14189	-82.2819	mikes KML	60	5.796706	mikes KML	10.35071 Hillsborou	21	21
52 Point	51	4/5/2014	2014 N 42nd Street	North 42nd KTTB	28.07659	-82.4141	street	127	12	street	10.58333 Hillsborou	5	7.5
952 Point	969	4/21/2012	2012 Veteran's Memorial Park	Wildernes KTTB	27.97642	-82.3625	sarah	373	35		10.65714 Hillsborou	14	373
401 Point	400	7/3/2014	2014 Burrell Park	Park Squar KTTB	28.09249	-82.4487	mikes KML	100	9.358811	mikes KML	10.68512 Hillsborou	10	10
1019 Point	1069	3/31/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	130	12		10.83333 Hillsborou	10	130
301 Point	300	11/1/2012	2012 130th St	East 130th KTTB	28.06501	-82.4511	street	130	12	street	10.83333 Hillsborou	40	40
970 Point	987	5/7/2012	2012 Hillsborough River- Temple	KTTB	28.04014	-82.4213	sarah	100	9		11.11111 Tampa	1	100
117 Point	116	5/9/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	100	9	mikes KML	11.11111 Hillsborou	1	2
266 Point	265	5/23/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	100	9	mikes KML	11.11111 Hillsborou	1	2
940 Point	947	5/25/2012	2012 Temple Crest Park	8116 Nort KTTB	28.02392	-82.4186	sarah	140	12.55609		11.14997 Tampa	1	140
941 Point	948	5/30/2012	2012 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	sarah	144	12.55609		11.46854 Tampa	1	144
211 Point	210	10/20/2012	2012 Robles Park	Robles Par KTTB	27.97404	-82.455	HRCC KML	210	18.03413	mikes KML	11.64459 Tampa	12	36
986 Point	1020	8/20/2011	2011 Lumsden Rd	East Lumsc KTTB	27.92336	-82.2528	sarah	140	12		11.66667 Hillsborou	6	140
1017 Point	1067	2/4/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	140	12		11.66667 Hillsborou	29	140
1048 Point	1112	3/3/2012	2012 Florence Ave	Florence A KTTB	28.04288	-82.4544	sarah	140	12		11.66667 Tampa	11	140
1022 Point	1072	4/28/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	140	12		11.66667 Hillsborou	11	140
341 Point	340	12/23/2012	2012 St. Cloud	South Sain KTTB	27.91727	-82.2362	street	140	12	street	11.66667 Hillsborou	7	98
94 Point	93	1/12/2013	2013 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	street	140	12	street	11.66667 Hillsborou	29	116
146 Point	145	4/20/2013	2013 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	street	140	12	street	11.66667 Hillsborou	19	76
482 Point	481	12/13/2013	2013 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	street	140	12	street	11.66667 Tampa	7	7
189 Point	188	1/11/2014	2014 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426	street	140	12	street	11.66667 Hillsborou	17	68
449 Point	448	3/8/2014	2014 North Boulevard	North Boul KTTB	27.96138	-82.4678	HRCC KML	140	12	street	11.66667 Tampa	7	7
303 Point	302	3/27/2014	2014 McKinley Ave	McKinley C KTTB	28.03564	-82.4162	street	140	12	street	11.66667 Tampa	7	14
261 Point	260	<Null>	2014 Lizards Tail Road	Lizards Tail HRCC	28.1356	-82.3797	street	140	12	street	11.66667 Tampa	17	
373 Point	372	4/1/2014	2014 Oak Park	5300 East KTTB	27.96549	-82.3967	mikes KML	40	3.419268	mikes KML	11.69841 Tampa	6	12
9 Point	8	10/20/2012	2012 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	667	56.40383	mikes KML	11.82544 Tampa	34	102
471 Point	470	<Null>	2014 Riverhills Park	Riverhills P HRCC	28.01599	-82.3851	mikes KML	615	50.79895	mikes KML	12.10655 Temple Tei	92	
229 Point	228	9/14/2013	2013 22nd St	South 22nd KTTB	28.01825	-82.4343	HRCC KML	84	6.923757	mikes KML	12.13214 Tampa	6	30
328 Point	327	5/21/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	110	9	mikes KML	12.22222 Hillsborou	1	2
427 Point	426	5/17/2014	2014 Reed Park	Tampa, FL, KTTB	27.98614	-82.4699	HRCC KML	20	1.632945	mikes KML	12.24781 Tampa	30	133.25
271 Point	270	6/4/2012	2012 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	HRCC KML	154	12.55609	mikes KML	12.26496 Tampa	1	4
348 Point	347	7/21/2010	2010 Lowry Park Kid City	1101 West KTTB	28.01371	-82.4673	HRCC KML	600	48.35245	mikes KML	12.40889 Tampa	25	75
1008 Point	1051	12/4/2011	2011 53rd St	53Rd St, T KTTB	27.96328	-82.3962	sarah	150	12		12.5 Tampa	10	150
520 Point	519	2/21/2010	2010 Temple Crest	Temple Cr KTTB	28.02392	-82.4186	HRCC KML	160	12.55609	mikes KML	12.74282 Tampa	8	36
199 Point	198	12/7/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	115	9	mikes KML	12.77778 Hillsborou	1	3
351 Point	350	1/16/2013	2013 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	115	9	mikes KML	12.77778 Hillsborou	1	5
453 Point	452	7/24/2014	2014 Burrell Park	Park Squar KTTB	28.09249	-82.4487	mikes KML	120	9.358811	mikes KML	12.82214 Hillsborou	9	9
435 Point	434	3/2/2013	2013 130th Ave	East 130th KTTB	28.06501	-82.4511	street	154	12	street	12.83333 Hillsborou	20	20
278 Point	277	10/17/2009	2009 Grant Park Neighborhood	Grant Park KTTB	27.97802	-82.3962	jeremys KN	2400	186.4742	jeremys KN	12.87041 Tampa	150	600
283 Point	282	10/1/2009	2009 Capaz Park Playgroun	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824 Tampa	25	50

440 Point	439	11/1/2009	2009 Capaz Park Playgrounddd	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824	Tampa	25	50
402 Point	401	12/1/2009	2009 Capaz Park Playgrounddd	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824	Tampa	25	50
206 Point	205	1/1/2010	2010 Capaz Park Playgrounddd	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824	Tampa	25	50
436 Point	435	2/1/2010	2010 Capaz Park Playgrounddd	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824	Tampa	25	50
177 Point	176	3/1/2010	2010 Capaz Park Playgrounddd	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824	Tampa	25	50
178 Point	177	4/1/2010	2010 Capaz Park Playgrounddd	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824	Tampa	25	50
165 Point	164	5/1/2010	2010 Capaz Park Playgrounddd	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824	Tampa	25	50
162 Point	161	6/1/2010	2010 Capaz Park Playgrounddd	Capaz Park KTTB	27.96853	-82.4879	mikes KML	40	3.106015	mikes KML	12.87824	Tampa	25	50
63 Point	62	4/27/2013	2013 Forest Hills Park	725 West 1 KTTB	28.04637	-82.4646	mikes KML	120	9.238882	mikes KML	12.98858	Tampa	6	27
486 Point	485	4/27/2013	2013 Bypass Park	Park Drive, KTTB	27.97331	-82.3673	HRCC KML	180	13.63807	mikes KML	13.19835	Hillsborouξ	20	80
1021 Point	1071	9/17/2011	2011 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	160	12		13.33333	Hillsborouξ	42	160
1013 Point	1063	10/20/2011	2011 Brorein St	Brorein St KTTB	27.94347	-82.4607	sarah	160	12		13.33333	Tampa	7	160
1066 Point	1132	3/10/2012	2012 North Blvd	North Boul KTTB	27.96138	-82.4678	sarah	160	12		13.33333	Tampa	10	160
976 Point	995	4/28/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	160	12		13.33333	Hillsborouξ	24	160
969 Point	986	5/4/2012	2012 Hillsborough River- Riverhi	1104 River KTTB	28.04014	-82.3755	sarah	120	9		13.33333	Temple Te	1	120
1083 Point	1157	5/14/2012	2012 Yukon & 34th ST	East Yukon KTTB	28.02893	-82.4228	sarah	160	12		13.33333	Tampa	1	160
325 Point	324	7/10/2012	2012 hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253	HRCC KML	120	9	mikes KML	13.33333	Hillsborouξ	1	4
49 Point	48	9/29/2012	2012 Sligh Ave	Sligh Aven KTTB	28.00141	-82.3543	street	160	12	street	13.33333	Hillsborouξ	8	20
172 Point	171	11/26/2012	2012 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253	HRCC KML	120	9	mikes KML	13.33333	Hillsborouξ	1	4
93 Point	92	12/15/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	street	160	12	street	13.33333	Hillsborouξ	23	92
255 Point	254	12/15/2012	2012 North Blvd	North Boul KTTB	27.96138	-82.4678	HRCC KML	160	12	street	13.33333	Tampa	8	8
286 Point	285	3/9/2013	2013 north boulevard	North Boul KTTB	27.96138	-82.4678	HRCC KML	160	12	street	13.33333	Tampa	9	9
153 Point	152	3/9/2013	2013 Robertson Rd	Robertson KTTB	28.15693	-82.4242	street	160	12	street	13.33333	Hillsborouξ	10	15
488 Point	487	9/27/2013	2013 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	street	160	12	street	13.33333	Tampa	5	15
289 Point	288	12/7/2013	2013 North Boulevard	North Boul KTTB	27.96138	-82.4678	HRCC KML	160	12	street	13.33333	Tampa	8	8
475 Point	474	6/28/2014	2014 Robertson Rd	Robertson KTTB	28.15693	-82.4242	street	160	12	street	13.33333	Hillsborouξ	4	8
244 Point	243	9/6/2014	2014 Old Hillsborough Ave	East Old Hi KTTB	27.99606	-82.321	street	160	12	street	13.33333	Hillsborouξ	5	10
Point		12/8/2012	2012 Robles Park	Robles Par KTTB	27.97404	-82.455	HRCC KML	247	18.03413	mikes KML	13.69625	Tampa	56	112
136 Point	135	4/27/2013	2013 Rivercrest Park	Rivercrest KTTB	27.98911	-82.4678	HRCC KML	140	10.15359	mikes KML	13.78823	Tampa	7	21
928 Point	934	11/20/2011	2011 Branchton Park	15702 Mor KTTB	28.14189	-82.2819	sarah	140	10		14	Hillsborouξ	10	140
109 Point	108	8/7/2013	2013 Old Hillsborough Ave	East Old Hi KTTB	27.99606	-82.321	street	175	12	street	14.58333	Hillsborouξ	8	16
160 Point	159	<Null>	2014 Water Works Park	1710 Nort HRCC	27.959	-82.463	HRCC KML	60	4.031801	jeremys KN	14.88169	Tampa	18	
1057 Point	1123	12/6/2011	2011 McKinley Dr	North Mal KTTB	28.04355	-82.4162	sarah	180	12		15	Tampa	7	180
1059 Point	1125	3/22/2012	2012 McKinley Dr	North Mal KTTB	28.04355	-82.4162	sarah	180	12		15	Tampa	17	180
1042 Point	1106	3/23/2012	2012 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019	sarah	180	12		15	Tampa	6	180
148 Point	147	4/20/2013	2013 Kingsway Rd	North King KTTB	28.02163	-82.2791	street	180	12	street	15	Hillsborouξ	10	20
163 Point	162	8/24/2013	2013 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426	street	180	12	street	15	Hillsborouξ	36	72
195 Point	194	2/10/2014	2014 St Cloud	South Sain KTTB	27.91727	-82.2362	street	180	12	street	15	Hillsborouξ	1	6
19 Point	18	4/26/2014	2014 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426	street	180	12	street	15	Hillsborouξ	23	92
298 Point	297	<Null>	2014 N. Rivershore Dr.	North Rive HRCC	27.99724	-82.4705	street	180	12	street	15	Tampa	10	
246 Point	245	8/5/2014	2014 St Cloud	South Sain KTTB	27.91727	-82.2362	street	181	12	street	15.08333	Hillsborouξ	4	80
947 Point	956	4/21/2012	2012 Tomlin Middle School	Tomlin (Mi KTTB	28.01801	-82.1472	sarah	200	13.16168		15.19563	Plant City	30	200
510 Point	509	10/6/2012	2012 Tomlin Middle School	Tomlin (Mi KTTB	28.01801	-82.1472	mikes KML	200	13.16168	mikes KML	15.19563	Plant City	120	720
238 Point	237	5/22/2013	2013 Copeland Park	Copeland F KTTB	28.04936	-82.4401	HRCC KML	860	56.40383	mikes KML	15.24719	Tampa	23	46
458 Point	457	1/29/2013	2013 McKinley Ave	McKinley C KTTB	28.03564	-82.4162	street	185	12	street	15.41667	Tampa	11	22
365 Point	364	<Null>	2014 Robles Park	Robles Par HRCC	27.97404	-82.455	HRCC KML	280	18.03413	mikes KML	15.52612	Tampa	17	
530 Point	529	<Null>	2014 Wesley Chapel Park	Overpass & KPCB	28.26935	-82.3233	jeremys KN	1740	110.741	jeremys KN	15.71234	Pasco		
1091 Point	1172	11/11/2011	2011 Hillsborough River	Hillsborouξ KTTB	28.14489	-82.2253	sarah	144	9		16	Hillsborouξ	1	144
950 Point	967	1/14/2012	2012 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	sarah	400	25		16	Tampa	40	400
942 Point	949	9/17/2011	2011 Tomlin Middle School	Tomlin (Mi KTTB	28.01801	-82.1472	sarah	215	13.16168		16.3353	Plant City	85	200
1089 Point	1170	9/17/2011	2011 Hillsborough River State P	Hillsborouξ KTTB	28.14489	-82.2253	sarah	150	9		16.66667	Hillsborouξ	80	150



1005 Point	1048	10/4/2011	2011 43rd St (Hills to Sligh)	6512 N 43r KTTB	28.00836	-82.4101 sarah	200	12	16.66667 Hillsborou	8	200
1007 Point	1050	10/15/2011	2011 52nd St	52nd St, Ta KTTB	28.03274	-82.3979 sarah	200	12	16.66667 Tampa	16	200
1072 Point	1138	1/14/2012	2012 Old Hillsborough Ave	East Old Hi KTTB	27.99606	-82.321 sarah	200	12	16.66667 Hillsborou	15	200
1028 Point	1080	4/21/2012	2012 Chelsea St	East Chelse KTTB	27.98515	-82.4123 sarah	200	12	16.66667 Tampa	21	200
92 Point	91	10/6/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426 street	200	12 street	16.66667 Hillsborou	24	96
123 Point	122	10/30/2012	2012 43rd Street	North 43rd KTTB	27.99974	-82.41 street	200	12 street	16.66667 Tampa	9	36
473 Point	472	11/24/2012	2012 Florence Ave	Florence A KTTB	28.04288	-82.4544 street	200	12 street	16.66667 Tampa	5	5
353 Point	352	12/14/2012	2012 Fletcher	East Fletch KTTB	28.06927	-82.4019 street	200	12 street	16.66667 Tampa	6	12
191 Point	190	3/1/2013	2013 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019 street	200	12 street	16.66667 Tampa	8	20
129 Point	128	4/21/2013	2013 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426 street	200	12 street	16.66667 Hillsborou	18	36
132 Point	131	4/27/2013	2013 Cass St Bridge	Cass St @ I KTTB	27.95073	-82.4656 HRCC KML	200	12 street	16.66667 Tampa	10	20
466 Point	465	1/25/2014	2014 Florence Ave	Florence A KTTB	28.04288	-82.4544 street	200	12 street	16.66667 Tampa	14	14
228 Point	227	2/22/2014	2014 27th ST	North 27th KTTB	28.05002	-82.4288 street	200	12 street	16.66667 Tampa	10	25
156 Point	155	5/17/2014	2014 Sligh Ave	Sligh Aven KTTB	28.00141	-82.3543 street	200	12 street	16.66667 Hillsborou	14	56
448 Point	447	7/21/2014	2014 E Lumsden	East Lumsc KTTB	27.92336	-82.2528 street	200	12 street	16.66667 Hillsborou	5	10
104 Point	103	7/21/2014	2014 Miller Rd	East Miller KTTB	28.02241	-82.4139 street	200	12 street	16.66667 Tampa	5	10
526 Point	525	7/21/2014	2014 St Cloud	South Sain KTTB	27.91727	-82.2362 street	200	12 street	16.66667 Hillsborou	5	10
319 Point	318	<Null>	2014 McKinley Dr. (Fowler to Bu	McKinley C HRCC	28.03564	-82.4162 street	200	12 street	16.66667 Tampa	7	
924 Point	929	9/17/2011	2011 Lake Forest	Lake Fores KTTB	28.08642	-82.4204 sarah	160	9.4	17.02128 Hillsborou	20	160
951 Point	968	4/21/2012	2012 Hanna Rd	Hanna Roa KTTB	28.12789	-82.4429 sarah	512	30	17.06667 Hillsborou	20	512
994 Point	1033	7/22/2011	2011 Sam Allen Rd	West Sam . KTTB	28.04719	-82.1584 sarah	205	12	17.08333 Hillsborou	6	205
223 Point	222	11/30/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	155	9 mikes KML	17.22222 Hillsborou	1	4
180 Point	179	9/19/2013	2013 22nd St	South 22nc KTTB	28.01825	-82.4343 HRCC KML	120	6.923757 mikes KML	17.33163 Tampa	25	50
127 Point	126	2/6/2010	2010 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	160	9 mikes KML	17.77778 Hillsborou	40	160
43 Point	42	4/27/2013	2013 Strawberry Crest HS	Strawberry KTTB	28.02287	-82.2361 mikes KML	1000	55.88601 mikes KML	17.89357 Hillsborou	42	126
399 Point	398	7/1/2014	2014 All People's Community Ce	All Peoples KTTB	28.00978	-82.3875 mikes KML	120	6.703735 mikes KML	17.90047 Hillsborou	27	54
24 Point	23	5/9/2014	2014 Gallagher Rd	Gallagher F KTTB	27.9945	-82.2361 street	215	12 street	17.91667 Hillsborou	12	36
62 Point	61	7/25/2014	2014 Grandview Acres- TT	Grandview KTTB	28.02735	-82.397 jeremys KN	160	8.80197 jeremys KN	18.17775 Temple Tei	38	114
309 Point	308	12/13/2012	2012 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186 HRCC KML	230	12.55609 mikes KML	18.3178 Tampa	1	4
1074 Point	1141	12/10/2011	2011 Robertson Rd	Robertson KTTB	28.15693	-82.4242 sarah	220	12	18.33333 Hillsborou	11	220
1051 Point	1115	4/21/2012	2012 Harney Rd	Harney Ro KTTB	28.01138	-82.376 sarah	220	12	18.33333 Hillsborou	21	220
203 Point	202	1/26/2013	2013 Kingsway Rd	North King KTTB	28.02163	-82.2791 street	220	12 street	18.33333 Hillsborou	17	51
50 Point	49	3/23/2013	2013 Sligh Ave	Sligh Aven KTTB	28.00141	-82.3543 street	220	12 street	18.33333 Hillsborou	11	27.5
424 Point	423	3/4/2014	2014 Valrico Rd - SR 60 to Whee	valrico and KTTB	27.97436	-82.2528 street	220	12 street	18.33333 Hillsborou	1	7
340 Point	339	<Null>	2014 N. Blvd Bridge	HRCC	27.96138	-82.4678 HRCC KML	220	12 street	18.33333 Tampa	12	
108 Point	107	6/2/2012	2012 Old Hillsborough Ave	East Old Hi KTTB	27.99606	-82.321 street	224	12 street	18.66667 Hillsborou	15	30
1073 Point	1139	6/2/2012	2012 Old Hillsborough Ave	East Old Hi KTTB	27.99606	-82.321 sarah	224	12	18.66667 Hillsborou	15	224
196 Point	195	11/13/2012	2012 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	170	9 mikes KML	18.88889 Hillsborou	1	3
1031 Point	1083	3/17/2012	2012 Columbus Dr	East Colum KTTB	27.96677	-82.3943 sarah	228	12	19 Tampa	19	228
99 Point	98	1/26/2013	2013 Kingsway Rd	North King KTTB	28.02163	-82.2791 street	230	12 street	19.16667 Hillsborou	9	27
79 Point	78	1/18/2014	2014 Copeland Park	Copeland F KTTB	28.04936	-82.4401 HRCC KML	1100	56.40383 mikes KML	19.50222 Tampa	73	255.5
364 Point	363	9/15/2012	2012 Rivercrest Park	Rivercrest KTTB	27.98911	-82.4678 HRCC KML	200	10.15359 mikes KML	19.69747 Tampa	25	75
264 Point	263	4/3/2014	2014 MLK Community	East Martii KTTB	27.96222	-82.4753 mikes KML	40	2.014215 mikes KML	19.85885 Tampa	6	12
910 Point	911	10/3/2011	2011 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186 sarah	40	2	20 Tampa	1	40
1006 Point	1049	10/6/2011	2011 52nd St	52nd St, Ta KTTB	28.03274	-82.3979 sarah	240	12	20 Tampa	7	240
1029 Point	1081	10/15/2011	2011 Columbus Dr	East Colum KTTB	27.96677	-82.3943 sarah	240	12	20 Tampa	25	240
905 Point	906	10/21/2011	2011 Riverhills park	Riverhills P KTTB	28.01599	-82.3851 sarah	40	2	20 Temple Tei	1	40
1041 Point	1105	1/28/2012	2012 Fletcher Ave	East Fletch KTTB	28.06927	-82.4019 sarah	240	12	20 Tampa	18	240
501 Point	500	11/8/2012	2012 McKinley Dr	McKinley C KTTB	28.03564	-82.4162 street	240	12 street	20 Tampa	7	14
477 Point	476	2/23/2014	2014 Chelsea St	East Chelse KTTB	27.98515	-82.4123 street	240	12 street	20 Tampa	13	26
438 Point	437	<Null>	2014 John B Sargeant Park	US 301 Noi HRCC	28.08253	-82.2836 mikes KML	460	23 mikes KML	20 Hillsborou	23	

1054 Point	1118	4/21/2012	2012 Kingsway Rd	North King KTTB	28.02163	-82.2791 sarah	245	12	20.41667 Hillsborou	11	245
396 Point	395	<Null>	2014 Stewart Mid School	1125 West HRCC	27.96039	-82.4723 jeremys KN	345	16.56664 jeremys KN	20.82498 Tampa	22	
1026 Point	1078	10/15/2011	2011 Chelsea St	East Chelse KTTB	27.98515	-82.4123 sarah	250	12	20.83333 Tampa	11	250
23 Point	22	3/2/2013	2013 Florence Ave	Florence A KTTB	28.04288	-82.4544 street	250	12 street	20.83333 Tampa	10	10
350 Point	349	12/14/2010	2010 Median: MLK Blvd	East Marti KTTB	27.98158	-82.3858 street	260	12 street	21.66667 Hillsborou		
1053 Point	1117	1/21/2012	2012 Kingsway Rd	North King KTTB	28.02163	-82.2791 sarah	260	12	21.66667 Hillsborou	14	260
1058 Point	1124	2/9/2012	2012 McKinley Dr	North Malc KTTB	28.04355	-82.4162 sarah	260	12	21.66667 Tampa	12	260
1081 Point	1154	3/24/2012	2012 W. Old Hillsborough	Old Hillsbo KTTB	27.99606	-82.3214 sarah	260	12	21.66667 Hillsborou	10	260
913 Point	914	4/21/2012	2012 Rotary Park	Rotary Cen KTTB	28.05474	-82.3626 sarah	65	3	21.66667 Temple Te	6	65
1032 Point	1084	5/4/2012	2012 Columbus Dr	East Colum KTTB	27.96677	-82.3943 sarah	260	12	21.66667 Tampa	11	260
105 Point	104	4/13/2013	2013 N. Blvd	N Boulevar KTTB	27.96138	-82.4678 HRCC KML	260	12 street	21.66667 Tampa	17	42.5
217 Point	216	8/17/2013	2013 Kingsway Rd	North King KTTB	28.02163	-82.2791 street	260	12 street	21.66667 Hillsborou	17	51
249 Point	248	9/21/2013	2013 Robles Park	Robles Par KTTB	27.97404	-82.455 HRCC KML	398	18.03413 mikes KML	22.06927 Tampa	16	48
422 Point	421	9/15/2012	2012 HRSP	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	200	9 mikes KML	22.22222 Hillsborou	54	162
38 Point	37	4/13/2014	2014 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	200	9 mikes KML	22.22222 Hillsborou	17	34
907 Point	908	10/7/2011	2011 Temple Crest park	8116 Nortl KTTB	28.02392	-82.4186 sarah	45	2	22.5 Tampa	1	45
898 Point	897	1/17/2015	2015 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316 HRCC KML	684	30 Damico err	22.8 Tampa		342
470 Point	469	4/12/2014	2014 Rainbow Heights	Rainbow D KTTB	27.98465	-82.4196 jeremys KN	140	6.045368 jeremys KN	23.15823 Tampa	15	45
98 Point	97	10/6/2012	2012 Garden Lane	Garden Lar KTTB	27.99491	-82.3493 HRCC KML	280	12 street	23.33333 Hillsborou	6	18
149 Point	148	5/17/2014	2014 Lumsden	East Lumsc KTTB	27.92336	-82.2528 street	280	12 street	23.33333 Hillsborou	18	72
917 Point	920	4/22/2012	2012 Dover Park	Dover Park KTTB	27.98531	-82.2361 sarah	118	5	23.6 Hillsborou	2	118
14 Point	13	6/20/2009	2009 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316 HRCC KML	2000	84.33231 mikes KML	23.7157 Tampa	10	30
390 Point	389	3/15/2014	2014 Seminole Heights Commur	Tampa, FL, KTTB	28.01159	-82.4584 mikes KML	200	8.395438 mikes KML	23.82246 Tampa	13	26
912 Point	913	4/21/2012	2012 University Area	University KTTB	28.07496	-82.4331 sarah	60	2.5	24 Hillsborou	14	60
87 Point	86	9/26/2012	2012 43rd Street	North 43rd KTTB	27.99974	-82.41 street	300	12 street	25 Tampa	9	18
434 Point	433	2/16/2013	2013 Harney Rd	Harney Ro: KTTB	28.01192	-82.354 HRCC KML	300	12 street	25 Hillsborou	25	28.75
122 Point	121	10/20/2012	2012 Veteran's Memorial Park	Wildernes: KTTB	27.97642	-82.3625 HRCC KML	400	15.9203 jeremys KN	25.12515 Hillsborou	30	150
920 Point	925	11/14/2011	2011 Temple Crest park	8116 Nortl KTTB	28.02392	-82.4186 sarah	126	5	25.2 Tampa	1	126
179 Point	178	9/28/2013	2013 Muller Magnet School	Muller Maj KTTB	28.07231	-82.4313 mikes KML	100	3.967477 mikes KML	25.20494 Hillsborou	79	316
291 Point	290	<Null>	2014 22nd St. Park	22nd Stree HRCC	28.01825	-82.4343 HRCC KML	175	6.923757 mikes KML	25.27529 Tampa	19	
133 Point	132	3/3/2013	2013 N Blvd	N Boulevar KTTB	28.05098	-82.4676 street	310	12 street	25.83333 Tampa	17	25.5
2 Point	1	2/6/2014	2014 FLG Cleanup	KTTB	27.9863	-82.3632 mikes KML	20	0.755963 mikes KML	26.45632 Hillsborou	1	1
42 Point	41	2/14/2014	2014 FLG Cleanup	KTTB	27.9863	-82.3632 mikes KML	20	0.755963 mikes KML	26.45632 Hillsborou	11	55
56 Point	55	2/17/2014	2014 FLG Cleanup	KTTB	27.9863	-82.3632 mikes KML	20	0.755963 mikes KML	26.45632 Hillsborou	10	60
541 Point	540	4/29/2010	2010 Lowry Park	Lowry Park KTTB	28.01371	-82.4673 HRCC KML	1280	48.35245 mikes KML	26.47229 Tampa	24	86
1039 Point	1092	11/19/2011	2011 Dixon Dr	North Dixo KTTB	28.01105	-82.457 sarah	320	12	26.66667 Tampa	4	320
112 Point	111	5/18/2013	2013 Sligh Ave	Sligh Aveni KTTB	28.00141	-82.3543 street	320	12 street	26.66667 Hillsborou	22	88
346 Point	345	7/26/2014	2014 Orient Road	Orient Roa KTTB	27.98308	-82.3731 street	320	12 street	26.66667 Hillsborou	16	32
320 Point	319	12/14/2013	2013 Old Hillsborough Ave	East Old Hi KTTB	27.99606	-82.321 street	325	12 street	27.08333 Hillsborou	6	18
1046 Point	1110	11/26/2011	2011 Florence Ave	Florence A KTTB	28.04288	-82.4544 sarah	330	12	27.5 Tampa	7	330
359 Point	358	12/8/2012	2012 Albany Ave	North Alba KTTB	27.96902	-82.4806 street	335	12 street	27.91667 Tampa	9	22.5
944 Point	951	2/18/2012	2012 22nd St Park	22nd Stree KTTB	28.01825	-82.4343 sarah	420	15	28 Tampa	46	420
442 Point	441	2/24/2014	2014 St Cloud	South Sain: KTTB	27.91727	-82.2362 street	340	12 street	28.33333 Hillsborou	1	6
423 Point	422	8/9/2014	2014 Sunset Lane	Sunset Lan KTTB	28.14244	-82.4375 street	340	12 street	28.33333 Hillsborou	20	80
130 Point	129	3/29/2014	2014 Hanna Rd	Hanna Roa KTTB	28.12789	-82.4429 street	342	12 street	28.5 Hillsborou	15	45
553 Point	552	2/16/2013	2013 22nd ST	South 22nc KTTB	28.01825	-82.4343 HRCC KML	200	6.923757 mikes KML	28.88605 Tampa	12	36
137 Point	136	9/21/2013	2013 Rivercrest Park	Rivercrest KTTB	27.98911	-82.4678 HRCC KML	300	10.15359 mikes KML	29.5462 Tampa	33	99
446 Point	445	12/14/2013	2013 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426 street	355	12 street	29.58333 Hillsborou	26	104
59 Point	58	10/20/2012	2012 Branchton Park	15701 Mor KTTB	28.14189	-82.2819 mikes KML	180	5.796706 mikes KML	31.05212 Hillsborou	50	125
227 Point	226	9/21/2013	2013 HRSP	Hillsborou KTTB	28.14489	-82.2253 HRCC KML	280	9 mikes KML	31.11111 Hillsborou	90	360
922 Point	927	1/28/2012	2012 22nd St	South 22nc KTTB	28.01825	-82.4343 sarah	220	6.923757	31.77466 Tampa	12	220

468 Point	467	3/22/2014	2014 Hamner Tower Park	KTTB	28.07001	-82.4685	mikes KML	240	7.509528	mikes KML	31.9594	Hillsborou	25	75
931 Point	938	4/21/2012	2012 Lowry Park	Lowry Park KTTB	28.01371	-82.4673	sarah	320	10		32	Tampa	49	320
534 Point	533	5/15/2010	2010 Lowry Park	Lowry Park KTTB	28.01371	-82.4673	HRCC KML	1600	48.35245	mikes KML	33.09036	Tampa	22	88
262 Point	261	9/7/2013	2013 Sligh Ave	Sligh Aven KTTB	28.00141	-82.3543	street	399	12	street	33.25	Hillsborou	26	39
138 Point	137	4/12/2014	2014 Robles Park	Robles Par KTTB	27.97404	-82.455	HRCC KML	600	18.03413	mikes KML	33.27025	Tampa	40	120
251 Point	250	3/8/2010	2010 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	300	9	mikes KML	33.33333	Hillsborou	18	72
339 Point	338	1/12/2011	2011 Median: MLK Blvd	East Marti KTTB	27.98158	-82.3858	street	400	12	street	33.33333	Hillsborou	10	30
1027 Point	1079	1/28/2012	2012 Chelsea St	East Chelse KTTB	27.98515	-82.4123	sarah	400	12		33.33333	Tampa	12	400
331 Point	330	2/16/2013	2013 Chelsea St	East Chelse KTTB	27.98515	-82.4123	street	400	12	street	33.33333	Tampa	25	28.75
101 Point	100	3/1/2014	2014 Lumsden	East Lumsc KTTB	27.92336	-82.2528	street	404	12	street	33.66667	Hillsborou	15	60
22 Point	21	1/26/2013	2013 Florence Ave	Florence A KTTB	28.04288	-82.4544	street	410	12	street	34.16667	Tampa	10	10
240 Point	239	4/19/2011	2011 29th Street	29th Streei KTTB	28.01259	-82.4285	street	420	12	street	35	Tampa	9	36
1000 Point	1043	1/24/2012	2012 27th St	North 27th KTTB	28.05002	-82.4288	sarah	420	12		35	Tampa	6	420
65 Point	64	10/20/2012	2012 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	HRCC KML	440	12.55609	mikes KML	35.04276	Tampa	60	120
		4/17/2014	2014 Oak Park	5300 East : KTTB	27.96549	-82.3967	mikes KML	120	3.419268	mikes KML	35.09523	Tampa	9	18
57 Point	56	5/10/2014	2014 Oak Park	5300 East : KTTB	27.96549	-82.3967	mikes KML	120	3.419268	mikes KML	35.09523	Tampa	6	12
181 Point	180	4/4/2014	2014 22nd St	South 22nc KTTB	28.01825	-82.4343	HRCC KML	248	6.923757	mikes KML	35.8187	Tampa	15	75
450 Point	449	5/18/2013	2013 Chelsea St	East Chelse KTTB	27.98515	-82.4123	street	430	12	street	35.83333	Tampa	14	42
509 Point	508	12/1/2012	2012 North Blvd	North Boul KTTB	27.96138	-82.4678	HRCC KML	440	12	street	36.66667	Tampa	18	27
459 Point	458	10/20/2012	2012 North Blvd	North Boul KTTB	27.96138	-82.4678	HRCC KML	443	12	street	36.91667	Tampa	11	33
169 Point	168	6/14/2011	2011 43rd street	North 43rd KTTB	27.99974	-82.41	street	450	12	street	37.5	Tampa	8	32
4 Point	3	10/28/2012	2012 Branchton Park	15702 Mor KTTB	28.14189	-82.2819	mikes KML	220	5.796706	mikes KML	37.95259	Hillsborou	11	16.5
932 Point	939	3/9/2012	2012 Stewart Middle School	1125 West KTTB	27.96039	-82.4723	sarah	380	10		38	Tampa	180	380
88 Point	87	5/17/2011	2011 43rd/29th street	3301 N 43r KTTB	27.97667	-82.4105	jeremys K	460	12	street	38.33333	Tampa	9	32
80 Point	79	10/6/2012	2012 Perimeter of USF	Tampa, FL, KTTB	28.06159	-82.4108	jeremys K	2260	58.65177	jeremys K	38.53251	Tampa	354	1062
176 Point	175	<Null>	2014 Lowry Park Boat Ramp	Lowry Park HRCC	28.0129	-82.4647	HRCC KML	80	2.050569	mikes KML	39.01356	Tampa	4	
1004 Point	1047	1/12/2012	2012 43rd St (7th to Sligh)	6512 N 43r KTTB	28.00836	-82.4101	sarah	480	12		40	Hillsborou	9	480
933 Point	940	4/21/2012	2012 Strawberry Crest HS	Strawberry KTTB	28.02287	-82.2361	sarah	400	10		40	Hillsborou	47	400
918 Point	921	5/19/2012	2012 Family Fun Day	Downs Ave KTTB	28.04157	-82.377	sarah	200	5		40	Temple Tei	27	200
152 Point	151	3/2/2013	2013 Old Hillsborough Ave	East Old Hi KTTB	27.99606	-82.321	street	480	12	street	40	Hillsborou	5	12.5
425 Point	424	<Null>	2014 Rivercrest Park	Rivercrest HRCC	27.98911	-82.4678	HRCC KML	410	10.15359	mikes KML	40.37981	Tampa	10	
386 Point	385	4/12/2014	2014 Oak Park	5300 East : KTTB	27.96549	-82.3967	mikes KML	140	3.419268	mikes KML	40.94444	Tampa	20	60
452 Point	451	<Null>	2014 Temple Crest Park	8116 Nort HRCC	28.02392	-82.4186	HRCC KML	520	12.55609	mikes KML	41.41417	Tampa	48	
48 Point	47	1/18/2011	2011 MLK Blvd	East Marti KTTB	27.98158	-82.3858	street	500	12	street	41.66667	Hillsborou	11	44
978 Point	997	7/23/2011	2011 Columbus Ave	Columbus KTTB	27.96697	-82.4675	sarah	500	12		41.66667	Tampa	50	500
1050 Point	1114	1/28/2012	2012 Harney Rd	Harney Ro: KTTB	28.01138	-82.376	sarah	500	12		41.66667	Hillsborou	10	500
193 Point	192	10/1/2012	2012 Hanna Rd	Hanna Roa KTTB	28.12789	-82.4429	street	500	12	street	41.66667	Hillsborou	23	69
324 Point	323	10/1/2012	2012 Sunset Rd	Sunset Dri KTTB	27.99086	-82.3435	street	500	12	street	41.66667	Hillsborou	16	48
297 Point	296	9/7/2013	2013 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426	street	505	12	street	42.08333	Hillsborou	48	144
403 Point	402	<Null>	2014 Hillsborough River St. Park	Hillsborou HRCC	28.14489	-82.2253	HRCC KML	380	9	mikes KML	42.22222	Hillsborou	37	
31 Point	30	10/20/2012	2012 Rome Ave	Rome Aver KTTB	28.03916	-82.4759	street	512	12	street	42.66667	Tampa	32	64
428 Point	427	9/21/2013	2013 Rome Ave	Rome Aver KTTB	28.03916	-82.4759	street	514	12	street	42.83333	Tampa	32	80
462 Point	461	<Null>	2014 Bypass Canal Park (Harney	HRCC	27.97331	-82.3673	HRCC KML	590	13.63807	mikes KML	43.26125	Hillsborou	20	
233 Point	232	11/13/2010	2010 22nd Street	South 22nc KTTB	28.01825	-82.4343	HRCC KML	300	6.923757	mikes KML	43.32908	Tampa	12	48
1049 Point	1113	10/15/2011	2011 Harney Rd	Harney Ro: KTTB	28.01138	-82.376	sarah	530	12		44.16667	Hillsborou	11	530
66 Point	65	6/24/2014	2014 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	HRCC KML	580	12.55609	mikes KML	46.19272	Tampa	52	78
60 Point	59	10/12/2013	2013 22nd St	South 22nc KTTB	28.01825	-82.4343	HRCC KML	320	6.923757	mikes KML	46.21768	Tampa	40	80
215 Point	214	4/23/2014	2014 Bryan Rd	Bryan Roa KTTB	27.98511	-82.3248	street	560	12	street	46.66667	Hillsborou	1	6
21 Point	20	5/24/2014	2014 Chelsea St & Harney	KTTB	27.98537	-82.3968	jeremys K	560	12	street	46.66667	Hillsborou	12	36
128 Point	127	9/21/2013	2013 Haya Park	West Haya KTTB	27.99351	-82.4651	jeremys K	202	4.192674	mikes KML	48.17928	Tampa	17	34
993 Point	1027	9/17/2011	2011 Orient Rd	Orient Roa KTTB	27.98308	-82.3731	sarah	585	12		48.75	Hillsborou	30	560

175 Point	174 <Null>	2014 Reed Park	730 W Emr HRCC	27.98614	-82.4699	HRCC KML	80	1.632945	mikes KML	48.99124	Tampa	3	
25 Point	24 8/9/2014	2014 Hanna Rd	Hanna Roa KTTB	28.12789	-82.4429	street	605	12	street	50.41667	Hillsborou	5	15
95 Point	94 10/5/2013	2013 Chelsea St/Hanley Rd	KTTB	27.98537	-82.3968	jeremys KN	608	12	street	50.66667	Hillsborou	34	68
270 Point	269 4/27/2013	2013 Branchton Park	15703 Mor KTTB	28.14189	-82.2819	mikes KML	300	5.796706	mikes KML	51.75353	Hillsborou	30	90
329 Point	328 3/6/2010	2010 Rivercrest Park	Rivercrest KTTB	27.98911	-82.4678	HRCC KML	540	10.15359	mikes KML	53.18316	Tampa	114	342
155 Point	154 12/1/2012	2012 Sligh Ave	Sligh Aven KTTB	28.00141	-82.3543	street	643	12	street	53.58333	Hillsborou	20	80
552 Point	551 9/21/2013	2013 Lowry Park	Lowry Park KTTB	28.01371	-82.4673	HRCC KML	2615	48.35245	mikes KML	54.08206	Tampa	271	813
321 Point	320 7/14/2012	2012 Six Mile Creek	6 Mile Cre KTTB	27.98581	-82.3372	street	650	12	street	54.16667	Hillsborou	14	63
419 Point	418 2/8/2014	2014 Sunset Lane	Sunset Lan KTTB	28.14244	-82.4375	street	652	12	street	54.33333	Hillsborou	16	48
338 Point	337 10/19/2013	2013 Hanna Rd	Hanna Roa KTTB	28.12789	-82.4429	street	653	12	street	54.41667	Hillsborou	8	32
971 Point	988 4/21/2012	2012 Copeland Park	Copeland F KTTB	28.04936	-82.4401	sarah	500	9		55.55556	Tampa	27	500
550 Point	549 9/15/2012	2012 Hillsborough River State P	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	500	9	mikes KML	55.55556	Hillsborou	62	186
167 Point	166 4/12/2014	2014 HRSP	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	500	9	mikes KML	55.55556	Hillsborou	35	105
479 Point	478 <Null>	2014 Pascowildlife, Inc. trailer (\	Overpass & KPCB	28.27345	-82.3339	address	680	12	street	56.66667	Pasco		
265 Point	264 10/20/2012	2012 Rivertower Park	Tampa, FL, KTTB	28.02086	-82.4545	HRCC KML	760	13.25503	mikes KML	57.33672	Tampa	30	90
903 Point	904 5/26/2012	2012 130th St	East 130th KTTB	28.06501	-82.4511	sarah	120	2		60	Hillsborou	25	120
921 Point	926 4/21/2012	2012 Thonotosassa Regional Pai	6920 East F KTTB	28.07393	-82.3754	sarah	310	5		62	Hillsborou	30	310
1079 Point	1147 5/10/2012	2012 Sligh Ave	Sligh Aven KTTB	28.00141	-82.3543	sarah	750	12		62.5	Hillsborou	20	750
89 Point	88 6/24/2014	2014 56th St & Chelsea	North 56th KTTB	27.98537	-82.3968	street	760	12	street	63.33333	Hillsborou	52	104
391 Point	390 4/6/2014	2014 Annual Home Tour	KTTB	28.00428	-82.4481	mikes KML	70	1.105136	mikes KML	63.34062	Tampa	14	140
290 Point	289 12/21/2013	2013 Sligh Ave	Sligh Aven KTTB	28.00141	-82.3543	street	768	12	street	64	Hillsborou	20	80
385 Point	384 4/12/2014	2014 22nd St	South 22nd KTTB	28.01825	-82.4343	HRCC KML	450	6.923757	mikes KML	64.99362	Tampa	5	15
908 Point	909 11/9/2011	2011 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	sarah	130	2		65	Tampa	3	130
226 Point	225 4/22/2010	2010 Hillsborough River	Hillsborou KTTB	28.14489	-82.2253	HRCC KML	600	9	mikes KML	66.66667	Hillsborou	96	288
1018 Point	1068 3/2/2012	2012 Bruce B. Downs	Bruce B Dc KTTB	28.06751	-82.426	sarah	800	12		66.66667	Hillsborou	43	800
514 Point	513 9/21/2013	2013 Yellow Jackets Field	Tampa, FL, KTTB	27.96144	-82.4737	jeremys KN	370	5.524119	jeremys KN	66.97901	Tampa	19	57
332 Point	331 <Null>	2014 Grant Park	Grant Park HRCC	27.9787	-82.3957	jeremys KN	220	3.256152	jeremys KN	67.56441	Tampa	56	
242 Point	241 4/12/2014	2014 Bruce B Downs	Bruce B Dc KTTB	28.06751	-82.426	street	840	12	street	70	Hillsborou	58	232
58 Point	57 9/21/2013	2013 Harney Park	Harney Pa KTTB	28.01192	-82.354	HRCC KML	264	3.764228	jeremys KN	70.1339	Hillsborou	38	76
529 Point	528 <Null>	2014 Baker Creek Boat Ramp	12000 Tho HRCC	28.04791	-82.2687	HRCC KML	1720	24.37377	jeremys KN	70.56766	Hillsborou	79	
268 Point	267 10/6/2012	2012 Garden Lane	Garden Lar KTTB	27.99491	-82.3493	HRCC KML	880	12	street	73.33333	Hillsborou	6	18
538 Point	537 9/21/2013	2013 22nd St Park	23rd Stree KTTB	28.01825	-82.4343	HRCC KML	510	6.923757	mikes KML	73.65943	Tampa	44	132
927 Point	932 9/17/2011	2011 Dover Park	Dover Park KTTB	27.98531	-82.2361	sarah	755	10		75.5	Hillsborou	76	740
409 Point	408 <Null>	2014 Riverside Park TT	HRCC	27.96906	-82.4783	HRCC KML	400	5.041635	jeremys KN	79.33934	Tampa	37	
519 Point	518 2/12/2011	2011 22nd Street	South 22nd KTTB	28.01825	-82.4343	HRCC KML	560	6.923757	mikes KML	80.88094	Tampa	20	400
429 Point	428 <Null>	2014 Riverside Garden Park	3001 Nort HRCC	27.96906	-82.4783	HRCC KML	420	5.041635	jeremys KN	83.30631	Tampa	29	
974 Point	993 7/23/2011	2011 Broadway Rd	Broadway . KTTB	27.96562	-82.3729	sarah	1000	12		83.33333	Tampa	50	1000
909 Point	910 11/11/2011	2011 Temple Crest park	8116 Nort KTTB	28.02392	-82.4186	sarah	170	2		85	Tampa	1	170
540 Point	539 4/27/2013	2013 Curtis Hixon Park	Curtis Hixo KTTB	27.94879	-82.4616	HRCC KML	435	5.01071	mikes KML	86.81404	Tampa	45	135
499 Point	498 10/20/2012	2012 Lowry Park	Lowry Park KTTB	28.01371	-82.4673	HRCC KML	4420	48.35245	mikes KML	91.41212	Tampa	160	480
1001 Point	1044 2/25/2012	2012 29th ST	29th Stree KTTB	28.01259	-82.4285	sarah	1120	12		93.33333	Tampa	52	1120
523 Point	522 4/2/2011	2011 Lowry Park	Lowry Park KTTB	28.01371	-82.4673	HRCC KML	4600	48.35245	mikes KML	95.13479	Tampa	20	60
135 Point	134 6/18/2010	2010 Fair Oaks	West Fair C KTTB	27.99197	-82.4214	mikes KML	400	3.980308	mikes KML	100.4947	Tampa	54	108
916 Point	919 4/21/2012	2012 Bypass Park	Park Drive, KTTB	27.97331	-82.3673	sarah	585	5		117	Hillsborou	45	585
234 Point	233 8/24/2013	2013 University Area Communit	University KTTB	28.07496	-82.4331	mikes KML	1185	9.743486	mikes KML	121.6197	Hillsborou	40	120
904 Point	905 3/29/2012	2012 Lenna St	Lenna Aven KTTB	27.98155	-82.2756	sarah	260	2		130	Hillsborou	110	260
397 Point	396 10/20/2012	2012 Rivercrest Park	Rivercrest KTTB	27.98911	-82.4678	HRCC KML	1331	10.15359	mikes KML	131.0866	Tampa	36	108
61 Point	60 4/27/2013	2013 22nd St Park	22nd Stree KTTB	28.01825	-82.4343	HRCC KML	930	6.923757	mikes KML	134.3201	Tampa	25	75
314 Point	313 4/27/2014	2014 109th, 22nd St, Progress V	KTTB	28.04702	-82.4345	jeremys KN	1680	12	street	140	Tampa	104	312
431 Point	430 4/17/2014	2014 Lowry Park Boat Ramp	Lowry Park KTTB	28.0129	-82.4647	HRCC KML	300	2.050569	mikes KML	146.3009	Tampa	13	39
518 Point	517 4/27/2013	2013 Reed Park	Tampa, FL, KTTB	27.98614	-82.4699	HRCC KML	240	1.632945	mikes KML	146.9737	Tampa	11	33

159 Point	158	4/27/2013	2013 Hillsborough River State Park	Hillsborough KTTB	28.14489	-82.2253	HRCC KML	1368	9 mikes KML	152 Hillsborough	135	270
463 Point	462	9/21/2013	2013 Temple Crest park	8116 North KTTB	28.02392	-82.4186	HRCC KML	2000	12.55609 mikes KML	159.2853 Tampa	100	300
484 Point	483	<Null>	2014 Curtis Hixon Park	Curtis Hix HRCC	27.94879	-82.4616	HRCC KML	800	5.01071 mikes KML	159.658 Tampa	36	
527 Point	526	1/19/2013	2013 University Area	University KTTB	28.07496	-82.4331	mikes KML	1700	9.743486 mikes KML	174.4755 Hillsborough	530	1325
555 Point	554	<Null>	2014 Crystal Springs	1609 Cryst KPCB	28.18263	-82.1886	jeremys KN	20620	117.6987 jeremys KN	175.1931 Pasco		
902 Point	903	4/21/2012	2012 MacFarlane Park	Macfarlane KTTB	27.95797	-82.4953	sarah	280	1.5	186.6667 Tampa	25	280
508 Point	507	4/27/2013	2013 Tomlin Middle School	Tomlin (Mi KTTB	28.01801	-82.1472	mikes KML	2500	13.16168 mikes KML	189.9454 Plant City	75	225
174 Point	173	3/15/2014	2014 Morgan Street Park	North Mor KTTB	27.96387	-82.4577	mikes KML	100	0.497708 mikes KML	200.921 Tampa	2	8
1087 Point	1167	4/17/2012	2012 Palm River	Palm River KTTB	27.94197	-82.4126	sarah	2500	12	208.3333 Hillsborough	3	2500
485 Point	484	2/21/2010	2010 Temple Crest	Temple Cr KTTB	28.02392	-82.4186	HRCC KML	2700	12.55609 mikes KML	215.0351 Tampa	7	42
3 Point	2	5/19/2011	2011 Purity Springs	Tampa, FL KTTB	28.02194	-82.4623	jeremys KN	300	1.308107 jeremys KN	229.339 Tampa	20	40
504 Point	503	<Null>	2014 Ignacio Haya Linear Park	5000 North HRCC	27.99348	-82.4651	mikes KML	1000	4.192674 mikes KML	238.5113 Tampa	18	
381 Point	380	4/12/2014	2014 Baybrooks	Baybrooks KTTB	28.05222	-82.3712	street	3200	12 street	266.6667 Temple Tei	30	90
549 Point	548	<Null>	2014 Land O' Lakes	21744 SR 5 KPCB	28.18856	-82.4568	address	3220	12 street	268.3333 Pasco		
946 Point	954	4/28/2012	2012 Orient Park	Orient Parl KTTB	27.97252	-82.3729	sarah	4050	15	270 Hillsborough	35	4050
490 Point	489	9/21/2013	2013 Reed Park	Tampa, FL, KTTB	27.98614	-82.4699	HRCC KML	480	1.632945 mikes KML	293.9474 Tampa	18	54
257 Point	256	9/21/2013	2013 Epps Park	350 West F KTTB	28.00534	-82.4675	jeremys KN	180	0.60232 jeremys KN	298.8445 Tampa	19	57
925 Point	930	8/27/2011	2011 University Area	University KTTB	28.07496	-82.4331	sarah	3000	9.743486	307.898 Hillsborough	284	3000
919 Point	922	1/29/2012	2012 Gasparilla Post Event	243 Bayshc KTTB	27.94225	-82.4605	sarah	1640	5	328 Tampa	70	1640
517 Point	516	9/21/2013	2013 Dover Park	Dover Park KTTB	27.98531	-82.2361	HRCC KML	642	1.871343 mikes KML	343.0691 Hillsborough	65	195
506 Point	505	4/14/2011	2011 Rivercrest	Rivercrest KTTB	27.98911	-82.4678	HRCC KML	4000	10.15359 mikes KML	393.9493 Tampa	16	48
926 Point	931	1/14/2012	2012 University Area	University KTTB	28.07496	-82.4331	sarah	4000	9.743486	410.5307 Hillsborough	215	4000
532 Point	531	1/19/2013	2013 University Area	University KTTB	28.07496	-82.4331	mikes KML	4000	9.743486 mikes KML	410.5307 Hillsborough	200	600
1088 Point	1169	4/14/2012	2012 USF Area	University KTTB	28.0587	-82.4139	sarah	5000	12	416.6667 Tampa	250	5000
258 Point	257	10/6/2012	2012 University Area	University KTTB	28.07496	-82.4331	mikes KML	4060	9.743486 mikes KML	416.6886 Hillsborough	354	1062
945 Point	953	10/8/2011	2011 Gandhi Day	University KTTB	28.0587	-82.4139	sarah	7120	15	474.6667 Tampa	356	7120
911 Point	912	4/21/2012	2012 Hillsborough River State Park	Hillsborough KTTB	28.14489	-82.2253	sarah	1248	2.5	499.2 Hillsborough	87	1248
394 Point	393	7/22/2010	2010 Tony Janus Park	Tampa, FL, KTTB	27.94256	-82.4594	mikes KML	500	0.98052 mikes KML	509.9335 Tampa	45	90
269 Point	268	7/9/2013	2013 Bob Luce	KTTB	27.98587	-82.4695	mikes KML	70	0.123818 mikes KML	565.3459 Tampa	1	4
230 Point	229	9/21/2013	2013 Mann Wagon	Tampa, FL, KTTB	28.01979	-82.4482	HRCC KML	120	0.210314 mikes KML	570.5754 Tampa	9	27
522 Point	521	4/12/2014	2014 Mann Wagon Park	Tampa, FL, KTTB	28.01979	-82.4482	HRCC KML	120	0.210314 mikes KML	570.5754 Tampa	26	130
901 Point	900	4/21/2012	2012 Evans Park	1104 North KTTB	28.00972	-82.2799	sarah	580	1	580 Hillsborough	34	580
232 Point	231	3/24/2011	2011 Morgan St.	North Mor KTTB	27.96387	-82.4577	mikes KML	300	0.497708 mikes KML	602.7631 Tampa	12	36
200 Point	199	4/29/2013	2013 Hillsborough River	Hillsborough KTTB	28.14489	-82.2253	HRCC KML	5520	9 mikes KML	613.3333 Hillsborough	16	64
256 Point	255	3/8/2011	2011 Morgan St.	North Mor KTTB	27.96387	-82.4577	mikes KML	320	0.497708 mikes KML	642.9473 Tampa	12	36
231 Point	230	3/22/2011	2011 Morgan St.	North Mor KTTB	27.96387	-82.4577	mikes KML	360	0.497708 mikes KML	723.3157 Tampa	12	36
513 Point	512	1/18/2014	2014 Tampa Heights Community	Tampa, FL, KTTB	27.96399	-82.4539	mikes KML	1500	1.87756 mikes KML	798.9092 Tampa	70	350
906 Point	907	4/21/2012	2012 Rowlett Park	Rowlett Pa KTTB	28.02669	-82.4316	sarah	1700	2	850 Tampa	50	1700
205 Point	204	2/15/2011	2011 Morgan St.	North Mor KTTB	27.96387	-82.4577	mikes KML	450	0.497708 mikes KML	904.1446 Tampa	13	52
405 Point	404	1/18/2014	2014 University Area Community	University KTTB	28.07496	-82.4331	mikes KML	10000	9.743486 mikes KML	1026.327 Hillsborough	725	2175
554 Point	553	<Null>	2014 City of Dade City (in St. Lec	Curley Rd KPCB	28.33197	-82.2743	address	15940	12 street	1328.333 Pasco		
171 Point	170	2/26/2011	2011 Morning Star School	Morning St KTTB	28.04045	-82.4569	mikes KML	9000	6.073749 mikes KML	1481.787 Tampa	155	1240
250 Point	249	10/20/2012	2012 Reese's Fish Camp	Tampa, FL, KTTB	28.05065	-82.2823	mikes KML	600	0.2198 mikes KML	2729.754 Hillsborough	38	114
461 Point	460	<Null>	2014 Mann Wagon Park	HRCC	28.01979	-82.4482	HRCC KML	580	0.210314 mikes KML	2757.781 Tampa	22	
476 Point	475	9/21/2013	2013 Reese's Fish Camp	Tampa, FL, KTTB	28.05065	-82.2823	mikes KML	840	0.2198 mikes KML	3821.656 Hillsborough	62	186
54 Point	53	10/20/2012	2012 Mann Wagon Park	Tampa, FL, KTTB	28.01979	-82.4482	HRCC KML	978	0.210314 mikes KML	4650.19 Tampa	59	177
900 Point	899	9/17/2011	2011 Reese's Fish Camp	Tampa, FL, KTTB	28.05065	-82.2823	sarah	1680	0.2198	7643.312 Hillsborough	56	1680