Powell Butte Nature Park User Survey
May 2012

Portland Parks & Recreation

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Portland Parks and Recreation would like to thank the Portland Water Bureau for providing resources to support this survey project.
Executive Summary

In 2011 Portland Parks & Recreation (PP&R), with financial support from the Portland Water Bureau, contracted with PSU’s Survey Research Lab (SRL) to conduct an intercept survey at Powell Butte Nature Park. The purpose of the survey is to better understand preferences, motivations, frequency of use, and satisfaction of park users. A total of 206 people responded to surveys conducted in the park on Saturday June 25, 2011. Major findings are as follows:

• When compared to Portland’s population survey respondents overrepresented white populations and underrepresented non-white populations. Regarding household incomes and levels of education, Powell Butte survey respondents are consistent with characteristics of the overall population in Portland.

• The largest number of respondents indicated coming from zip codes immediately surrounding the park. Zip codes along Powell Boulevard and Southern Multnomah County had the highest representation of visitors.

• One quarter of survey respondents indicated that this was their first visit to Powell Butte. This is substantially higher than findings from previous park surveys. Over 60% of respondents indicated that they visit the park once a month or more.

• Trails, Forests, and Wildlife were noted as the most important natural area park features

• Hiking/Walking (43%), Plant and Wildlife Viewing (17%), Walking the Dog (13%) and Cycling (13%) were identified as the first, second, and third most popular activities to engage in while at the park.

• More Garbage Cans/Less Litter was identified most often as an improvement that would help improve people’s experience. More Signage and Increased Restrooms were also commonly noted as needed improvements.
Executive Summary

Single track trail looking east
Powell Butte Nature Park is a 612 acre natural area park located in outer East Portland. The park is the second largest Natural Area park within the Portland Park system. The park provides hiking, biking and horseback riding opportunities as well abundant vistas of East Portland and various Cascade peaks. There are also abundant opportunities for wildlife and plant viewing. In the past the land providing grazing opportunities for cattle at the nearby Meadowland Dairy. In the 1970’s the Portland Water Bureau constructed a 50 million gallon underground reservoir. As of today construction continues on a second water reservoir. This work is accompanied by redevelopment of park facilities, including a significant amount of habitat restoration activity.

In 2011 PP&R, with financial support from the Portland Water Bureau, contracted with PSU to conduct park intercept surveys at Powell Butte. Intercept surveys were chosen as the preferred survey mode because they are particularly effective at capturing perceptions of park users as they occur in the park and allow for immediate reporting of experiences, attitudes, and behaviors before the effects of time have lessened reactions. The purpose of the survey is to better understand preferences, motivations, frequency of use, and satisfaction of park users.

METHODOLOGY

Questions for the survey were developed by PP&R with guidance from staff at the PSU Survey Research Lab. The questions were written to better understand who uses the park, timing of use, where they are coming from, motivations for using the park, perceptions about park quality, and preferences for future improvements.
Introduction

A total of 206 people responded to surveys conducted in the park on June 25, 2011. SRL staff engaged potential respondents at several locations throughout the park to ensure that a variety of locations and activities were represented (See Table 1). Maps with the trailhead locations are in Appendix D of this report.

All interviewers who worked on the project received training conducted by the SRL Interview Coordinators, including a contextual overview of the background and purpose of the study. Expanded detail about the methodology is included in Appendix B of this report.

<table>
<thead>
<tr>
<th>Trailhead Location</th>
<th>Number of Completed Surveys</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Entrance off of 162nd</td>
<td>140</td>
</tr>
<tr>
<td>Springwater Trail</td>
<td>42</td>
</tr>
<tr>
<td>Holgate Blvd</td>
<td>7</td>
</tr>
<tr>
<td>Ellis Street</td>
<td>17</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>206</strong></td>
</tr>
</tbody>
</table>
For analysis purposes demographic data was compared to results from the 2010 Census and the US Census Bureau's American Community Survey 2005-09 estimates for the City of Portland. When compared to the Portland population, survey respondents had a higher percentage of individuals who identified as white in race. All other races were underrepresented except for American Indian. When comparing both education and households income, survey respondents closely reflected the characteristics of Portland’s population. This is in contrast to recent survey work at Forest Park where survey respondents where overwhelmingly higher educated and had higher incomes compared to the Portland population. The detailed demographic characteristics of the 206 Powell Butte survey respondents are included in Table 2.
### TABLE 2: DEMOGRAPHIC CHARACTERISTICS OF SURVEY RESPONDENTS

<table>
<thead>
<tr>
<th>Category</th>
<th>N = 206</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gender</strong></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>45%</td>
</tr>
<tr>
<td>Female</td>
<td>54%</td>
</tr>
<tr>
<td>Missing/Refused</td>
<td>2%</td>
</tr>
<tr>
<td><strong>Age</strong></td>
<td></td>
</tr>
<tr>
<td>15 to 19</td>
<td>1.5%</td>
</tr>
<tr>
<td>20 to 24</td>
<td>4.9%</td>
</tr>
<tr>
<td>25 to 34</td>
<td>24.9%</td>
</tr>
<tr>
<td>35 to 44</td>
<td>22.0%</td>
</tr>
<tr>
<td>45 to 54</td>
<td>19.0%</td>
</tr>
<tr>
<td>55 to 64</td>
<td>19.0%</td>
</tr>
<tr>
<td>65 to 74</td>
<td>7.3%</td>
</tr>
<tr>
<td>75 to 84</td>
<td>1.5%</td>
</tr>
<tr>
<td>85 or over</td>
<td>0.0%</td>
</tr>
<tr>
<td>Missing/Refused</td>
<td>0.5%</td>
</tr>
<tr>
<td><strong>Race/Ethnicity</strong></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>86.4%</td>
</tr>
<tr>
<td>Black or African American</td>
<td>1.9%</td>
</tr>
<tr>
<td>American Indian</td>
<td>2.9%</td>
</tr>
<tr>
<td>Asian</td>
<td>2.4%</td>
</tr>
<tr>
<td>Native Hawaiian or Other Pacific Islander</td>
<td>0.5%</td>
</tr>
<tr>
<td>Hispanic or Latino</td>
<td>5.8%</td>
</tr>
<tr>
<td>Some Other Race</td>
<td>3.4%</td>
</tr>
<tr>
<td>Missing Refused</td>
<td>2.9%</td>
</tr>
<tr>
<td><strong>Household Income</strong></td>
<td></td>
</tr>
<tr>
<td>Less than $10,000</td>
<td>8.7%</td>
</tr>
<tr>
<td>$10,000 - $14,999</td>
<td>3.9%</td>
</tr>
<tr>
<td>$15,000 - $24,999</td>
<td>4.4%</td>
</tr>
<tr>
<td>$25,000 - $34,999</td>
<td>12.6%</td>
</tr>
<tr>
<td>$35,000 - $49,999</td>
<td>15.5%</td>
</tr>
<tr>
<td>$50,000 - $74,999</td>
<td>19.9%</td>
</tr>
<tr>
<td>$75,000 - $99,999</td>
<td>14.1%</td>
</tr>
<tr>
<td>$100,000 or more</td>
<td>12.6%</td>
</tr>
<tr>
<td>Missing Refused</td>
<td>8.3%</td>
</tr>
<tr>
<td><strong>Education</strong></td>
<td></td>
</tr>
<tr>
<td>Grade School or Some High School</td>
<td>2.4%</td>
</tr>
<tr>
<td>High School Graduate</td>
<td>18.0%</td>
</tr>
<tr>
<td>Technical/Vocational School/Some College (2yr Degree)</td>
<td>24.3%</td>
</tr>
<tr>
<td>College Graduate (4yr Degree)</td>
<td>26.7%</td>
</tr>
<tr>
<td>Some Graduate School</td>
<td>9.2%</td>
</tr>
<tr>
<td>Graduate/Professional Degree</td>
<td>18.4%</td>
</tr>
<tr>
<td>Missing/Refused</td>
<td>1.0%</td>
</tr>
</tbody>
</table>
Respondents were asked to identify how often and what times they typically visit Forest Park. 62% of respondents indicated that they visit Forest Park once a month or more. About 24% identified this as their first visit (Figure 1). This is three times higher than what was observed at the recent Forest Park intercept surveys. Regarding specific days and times, weekend afternoons and weekend mornings were identified as the most typical times to visit the park closely followed by weekday afternoons and mornings. Weekend evenings were cited as the least typical time to visit the park (Figure 2).

Figure 1: Frequency of Park Visit
Frequency and Timing of Park Visit

Figure 2: Specific Day and Timing of Park Visit

- Special Occasion: 3%
- Weekend Mornings: 17%
- Weekend Afternoons: 20%
- Weekday Afternoons: 15%
- Weekday Mornings: 13%
- Weekday Evenings: 9%
- First Visit: 14%
- Weekend Evenings: 8%

Open Meadow
65% of respondents identified Car as their mode of transportation to the park. Walking was the second most popular mode of transportation (18%) followed by Bicycle (16%).

Figure 3: Mode of Transportation to the Park

- Car: 65%
- Walk: 17%
- Bicycle: 16%
- Bus: 2%
- Other: 0%
Mt Hood View
Characteristics of the Current Park Visit

ENTRANCE POINT TO THE PARK

The main entrance off of SE 162 is where the majority of survey respondents indicated entering the park. For the remaining entrance points the volume of use drops off substantially.

Figure 4: Entrance Point to the Park
Characteristics of the Current Park Visit

GROUP SIZE AND DOGS

Respondents were asked to identify the number of adults and youth within their group as well as if they were visiting the park with a dog.

- 60% of adults identified being with another adult at the time
- 15% of adults identified being with one or two youth under the age of eighteen
- 25% of survey respondents reported visiting Forest Park with a dog
- 40% of survey respondents reported visiting Forest Park alone.

LENGTH OF VISIT

Respondents were asked how long they were planning to stay in the park. When combining the three highest categories, 67% of respondents indicated they were planning to be in the park for one hour or more.

Figure 5: Length of Visit
PRIMARY MOTIVATION FOR VISITING

When asked about their primary motivation for visiting Powell Butte, 37% of respondents indicated *Enjoy Nature and be Outdoors*. 35% of respondents indicated their primary motivation was *Exercise and Fitness*, followed by *Socialize with Family and Friends* (9%) *Reduce Stress or Unwind* (9%) and *Other*. Of those that chose *Other*, Bird watching and Walking the Dog were noted as the most common write-in responses.

![Figure 6: Primary Motivation for Visit](image)

- **Enjoy Nature and be Outdoors**: 36.7%
- **Exercise and Fitness**: 34.5%
- **Socialize with Family and Friends**: 8.6%
- **Reduce Stress or Unwind**: 8.6%
- **Other**: 8.6%
- **Solitude**: 2.9%
ACTIVITIES ENGAGED IN WHEN VISITING

Respondents were asked to identify up to three activities that they do when visiting Powell Butte. Ten response choices were provided to select from, including an Other category that allowed for a write-in option. Hiking/Walking was the most common activity chosen by 43% of respondents. Plant or Wildlife Viewing (18%) was the second most common activity followed by Walking the Dog (13%), Cycling (13%), and Jogging/Running (6%) (Figure 7).
IMPORTANCE OF PARK FEATURES

Respondents were asked to rate the importance of commonly found natural area park features on a four point scale (1 = Not Important to 4 = Very Important). This question differed slightly from other questions in that it asked respondents to rate these features for all natural area parks in general, not just the current park that they were visiting. The following charts show the results by first calculating an average score using the 1-4 quality rating (Figure 9). Among the total 206 survey respondents Trails had the highest average score at 3.84. Forests, Wildlife, and Native Plants had the second, third, and fourth highest average scores at 3.48, 3.47, and 3.23, respectively (Figure 8).

Figure 8: Average Importance Ratings of Natural Area Park Features
Another way to interpret the results is to look at the difference between the percentage of respondents indicating “very important” and the percentage of respondents indicating “not important” for each natural area park feature (Figure 9). The large difference between people rating Trails as very important (88%) versus people rating Trails as not important (2%) suggests that it is a highly valued feature of a natural area park.

Figure 9: Very Important and Not Important Ratings for Natural Area Park Features
QUALITY

Respondents were asked to rate the quality of eight features commonly found within Powell Butte Nature Park using a four point scale, with 1 meaning “very poor” and 4 meaning “very good.” Figure 10 shows an average rating for various features found at Powell Butte. Figure 11 shows the specific percentage of each rating for every park feature. For example, the chart shows that 63% of respondents rated the quality of Trails as very good. Overall, Trails was rated by respondents as having the highest quality followed closely by Trees/Plants. Bike Parking and Information about the Park were rated as having the lowest quality among the various parks features.

Figure 10: Average Quality Rating for Powell Butte Features

![Bar chart showing average quality ratings for Powell Butte features. Trails have the highest rating at 3.57, followed by Trees/Plants at 3.54. Forest Health and Wildlife have similar ratings of 3.46 and 3.38, respectively. Car Parking and Information about the Park have ratings of 3.25 and 3.15, respectively. Restrooms have a rating of 3.08, and Bike Parking has a rating of 2.92. Other features have the lowest rating at 1.8.]
Ratings of Park Features

Figure 11: Quality Rating for Powell Butte Features

<table>
<thead>
<tr>
<th>Category</th>
<th>Very Poor</th>
<th>2</th>
<th>3</th>
<th>Very Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trails</td>
<td>5%</td>
<td>32%</td>
<td>63%</td>
<td></td>
</tr>
<tr>
<td>Trees/Plants</td>
<td>3%</td>
<td>38%</td>
<td>58%</td>
<td></td>
</tr>
<tr>
<td>Forest Health</td>
<td>4%</td>
<td>42%</td>
<td>53%</td>
<td></td>
</tr>
<tr>
<td>Wildlife</td>
<td>11%</td>
<td>37%</td>
<td>51%</td>
<td></td>
</tr>
<tr>
<td>Car Parking</td>
<td>3%</td>
<td>15%</td>
<td>36%</td>
<td>46%</td>
</tr>
<tr>
<td>Restrooms</td>
<td>7%</td>
<td>17%</td>
<td>37%</td>
<td>39%</td>
</tr>
<tr>
<td>Bike Parking</td>
<td>11%</td>
<td>22%</td>
<td>33%</td>
<td>35%</td>
</tr>
<tr>
<td>Information about the Park</td>
<td>18%</td>
<td>48%</td>
<td>34%</td>
<td></td>
</tr>
</tbody>
</table>

PREFERRED PARK IMPROVEMENTS

Respondents were asked to identify what could be done to improve their experience at Powell Butte. The question was an open-ended, write-in format. Of the 206 surveys completed, 103 included specific comments about preferred park improvements. The most common responses have been grouped into broad categories for analysis. *More Garbage Cans/Less Litter* is the category most often cited as a preferred improvement, with 15 total comments. The second highest number of comments referred to the need for *Better Signage and Interpretive Features*. *Restroom Improvements or Additional Restrooms* were noted as the third most popular write-in category with 9 total comments. In many cases respondents felt that nothing was needed or that the park was good as is.
Nothing / Good As Is tied with Enforcing Dog Leash Law, each with 8 specific comments. Several people also noted their concerns with the construction work that is in progress to build a new water reservoir.

The chart below indicates the number of comments per category. The total will not equal the total number of surveys as many respondents did not complete this question.

Figure 12: What can be done to improve your experience at Powell Butte Nature Park?
Blacktail Deer in Open Meadow Area - Photo courtesy of Shari Bell
Interpreting the Results

Findings from the 2011 Powell Butte Park Intercept surveys offer a new level of information related to park use, preferences, and motivations. Many of the findings are consistent with what is already known anecdotally. In other cases, the survey provides new information that can help to guide future funding and management strategies.

The results from the intercept survey represent only the perceptions of those who participated and should not be interpreted to represent all park system users or the general public. Without having reliable data related to the total population of individuals visiting Powell Butte Nature Park, it is nearly impossible to design a scientific intercept survey that can be generalized to all park users. Nonetheless, the methodologies used in these surveys are sound and provide important information about park use patterns and preferences.

Special care was taken to minimize the potential for bias in the Intercept survey. Survey locations and timing were unannounced to the public and interviewers were given preparatory training sessions to ensure consistency in how the survey was presented to potential respondents.

Additional follow up intercept surveys should occur at Powell Butte to test for seasonal differences in preferences and use patterns.
Powell Butte Mountain Finder
Appendix A: Survey Methodology Report

RESPONDENT SAMPLING

It was determined that the survey would be conducted in Powell Butte at four trailhead locations. The following locations were included in the survey:

- Main Entrance Gate
- Springwater Corridor Trailhead
- Holgate Trailhead
- Ellis Street Trailhead

These locations were chosen to ensure accurate sampling of park users across the whole park, and to connect with users as they passed trailheads upon entering or exiting the park. Interviewers were placed in pairs to administer the survey at the main entrance and the Springwater Corridor Trailhead from 7:00am to 8:00pm. Individual interviewers were placed at the Holgate Trailhead and the Ellis Street Trailhead from the hours of 10:00am to 6:00pm. Maps were provided to interviewers with the trailhead locations. Interviewers were instructed to approach every individual park user who appeared to be 18 years or older as they passed the trailhead on their way into or out of the park, and to approach every third individual in the event of a large group.

In addition to interviewers conducting the survey, a single interviewer was assigned to monitor usage of the Springwater Corridor from 7:00am to 8:00pm at the trailhead that connects the corridor to Powell Butte. This interviewer kept a tally of the people who passed by and recorded gender, approximate age, mode of transportation and size of the group that was traveling on the corridor.
SURVEY RESPONSE RATES

As interviewers collected surveys throughout the day, each pair of interviewers tracked the number of park users they were unable to approach and the reason they were unable to approach them. One interviewer from each pair was designated to track the number of users they could not approach on a tally sheet. Interviewers also recorded all refusals they received from park users who were unwilling to complete the survey, noting the individual’s gender and an estimated age based on their observation. Interviewers also noted, when possible, the individual’s reason for refusing and the activity they were engaged in when approached.

A total of 261 park users were approached to take the survey in Powell Butte Nature Park. Of those, 206 completed the survey, resulting in an overall response rate of 79% and a refusal rate of 20%. Additionally, three respondents at the Main Entrance gate completed less than half of the items on the survey, so their surveys was not counted with the 206 completed surveys. Of those who refused, males (58%) more commonly refused than females (42%) and the most frequently estimated age group that refusers belonged to was 25 to 34 years old (31%). The Ellis Street Trailhead had the highest refusal rate, at 36%, while the Holgate Trailhead had the lowest refusal rate at 6%. Table 2 presents the number of completed surveys, response rates, and refusal rates for each of the four included trailheads in Powell Butte Nature Park.

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>COMPLETED SURVEYS</th>
<th>REFUSAL RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Entrance</td>
<td>140</td>
<td>19.6%</td>
</tr>
<tr>
<td>Springwater Trailhead</td>
<td>42</td>
<td>22.2%</td>
</tr>
<tr>
<td>Holgate Trailhead</td>
<td>17</td>
<td>5.5%</td>
</tr>
<tr>
<td>Ellis St. Trailhead</td>
<td>7</td>
<td>36.3%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>206</td>
<td>19.9%</td>
</tr>
</tbody>
</table>
All interviewers who worked on the project attended a project training conducted by the SRL Interview Coordinators. They provided interviewers with an overview of the background and purpose of the study in order to provide them with the context in which the survey was being conducted. This overview was followed by a round-table review of the entire survey in order to familiarize interviewers with the survey items, discuss idiosyncratic issues related to the population being surveyed, and to clarify the investigators’ data needs. Interviewers were also trained on how to properly sample and approach individuals to take the survey, as well as appropriate responses to questions or refusals from park users. Interviewers were provided with documents outlining key points about how to conduct the survey, suggestions for refusal conversions, as well as cards for respondents with information on how to contact PP&R or the PSU Human Subjects Research Review Council if they had questions about the survey or their rights as participants. Interviewers were given PSU identification badges and PP&R t-shirts and hats to wear when conducting the survey, in order to clearly identify them as official surveyors.
Appendix C: Survey Questionnaire

Powell Butte User Survey

Portland Parks and Recreation is conducting a random survey of park users to better understand why people use Powell Butte and how the park could better meet your needs.

1. How often do you visit this park?  
   [MARK ONLY ONE]
   ○ Every day  ○ Less than once a year
   ○ Several times a week  ○ First Visit
   ○ About once a week  ○ Don’t Know
   ○ About once a month

2. During the past two months, when have you typically visited this park?  
   [MARK ALL THAT APPLY]

   │ MORNING │ AFTERNOON │ EVENING |
   └─────────┴───────────┴──────────┘
   WEEKDAYS
   ★ WEKENDS
   ★ FIRST VISIT
   ★ SPECIAL OCCASION  
   (please describe):

3. How did you get to the park today?  
   [MARK ALL THAT APPLY]
   ○ Walk  ○ Trinam Bus
   ○ Car  ○ MAX
   ○ Bicycle  ○ Motorcycle
   ○ Other [please describe]: ____________________________

4. At what entrance did you access the park?
   ○ 148th St/Dogwood Trail
   ○ Raymond St/Elderberry Trail
   ○ Ellis St/Blacktail Deer Trail
   ○ Springwater Corridor/Blacktail Trail
   ○ Holgate Blvd/Old Holgate Trail
   ○ Circle Ave/Johnson Creek Trail
   ○ 162nd/Main Entrance
   ○ Other [please describe]: ____________________________

5. Including yourself, how many people are in your group?
   ○ Adults (ages 18+)  ○ Youth (less than 18)

6. Are you visiting the park with a dog?
   ○ Yes  ○ No

7. How long are you planning to stay in the park today?  
   [MARK ONLY ONE]
   ○ Less than 15 minutes  ○ 90 minutes - less than 2 hours
   ○ 15 – 29 minutes  ○ 2 hours - 4 hours
   ○ 30 – 59 minutes  ○ More than 4 hours
   ○ 60 – 89 minutes  ○ Don’t Know

8. What are the primary ACTIVITIES you do when visiting Powell Butte?  
   [MARK UP TO 3]
   ○ Plant or Wildlife Viewing  ○ Scientific/Research
   ○ Cycling  ○ Education
   ○ Hiking/Walking  ○ Environmental
   ○ Walking the Dog  || Stewardship Activity
   ○ Jogging/Running  ○ Horseback Riding
   ○ Other [please describe]: ____________________________

9. What was your primary MOTIVATION for visiting Powell Butte today?  
   [MARK ONLY ONE]
   ○ Exercise and Fitness
   ○ Socialize with family and friends
   ○ Enjoy nature and be outdoors
   ○ Reduce stress or unwind
   ○ Solitude
   ○ Other [please describe]: ____________________________

10. The following is a list of features that you generally find in NATURAL AREA PARKS. Please rate how important they are to you when you visit a park, using a scale of 1 to 4 where 1 means “Not at all Important” and 4 means “Very Important.”

<table>
<thead>
<tr>
<th>NATURAL AREA PARKS IN GENERAL</th>
<th>How important is this to you?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information about the Park</td>
<td>(1)</td>
</tr>
<tr>
<td>Car Parking</td>
<td></td>
</tr>
<tr>
<td>Bike Parking</td>
<td></td>
</tr>
<tr>
<td>Trails</td>
<td></td>
</tr>
<tr>
<td>Restrooms</td>
<td></td>
</tr>
<tr>
<td>River/Water Access</td>
<td></td>
</tr>
<tr>
<td>Open Meadows</td>
<td></td>
</tr>
<tr>
<td>Native Plants</td>
<td></td>
</tr>
<tr>
<td>Wildlife</td>
<td></td>
</tr>
<tr>
<td>Forests</td>
<td></td>
</tr>
<tr>
<td>Other [please describe]:</td>
<td></td>
</tr>
</tbody>
</table>

Please Turn Over
11. Please rate the quality of each of the following features AT THIS PARK, using a scale of 1 to 4, where 1 means "Very Poor" and 4 means "Very Good."

<table>
<thead>
<tr>
<th>Feature</th>
<th>Rating of Quality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information about the Park</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
<tr>
<td>Car Parking</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
<tr>
<td>Bike Parking</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
<tr>
<td>Trails</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
<tr>
<td>Restrooms</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
<tr>
<td>Trees/Plants</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
<tr>
<td>Wildlife</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
<tr>
<td>Forest Health</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
<tr>
<td>Other [please describe]:</td>
<td>(1)  (2)  (3)  (4)</td>
</tr>
</tbody>
</table>

12. What could be done to improve your experience at Powell Butte?

Please tell us a little bit about yourself. We will combine this with the information we get from everyone who filled out the survey to describe the group of people who participated.

13. What is your gender?
- Female
- Male

14. What is the zip code of your residence?

15. What county do you live in?
- Multnomah
- Washington
- Clackamas
- Other Oregon County [please specify]:
- Out of State

16. How far did you travel to get to the park today?
- Less than a mile
- 2-3 miles
- 4-5 miles
- 6-10 miles
- More than 10 miles

17. What is your age group?
- 15 to 19
- 20 to 24
- 25 to 34
- 35 to 44
- 45 to 54
- 55 to 64
- 65 to 74
- 75 to 84
- 85 or over
- Out of State

18. Which of the following best describes your household's total annual income for 2010? [MARK ONLY ONE]
- Less than $10,000
- $10,000 - $14,999
- $15,000 - $24,999
- $25,000 - $34,999
- $35,000 - $49,999
- $50,000 - $74,999
- $75,000 - $99,999
- $100,000 or more

19. What best describes your race or ethnicity? [MARK ALL THAT APPLY]
- White
- Black or African American
- American Indian
- Asian
- Native Hawaiian or Other Pacific Islander
- Hispanic or Latino
- Some Other Race [please specify]:

20. Which of the following best describes your highest level of education? [MARK ONLY ONE]
- Grade School or Some High School
- High School Graduate
- Technical/Vocational School/Some College (2 yr degree)
- College Graduate (4 yr degree)
- Some Graduate School
- Graduate/Professional Degree

Comments:

Thank you for taking the time to complete the survey!
Appendix D: Park Trailhead Maps
Appendix E: Zip Code Maps