



Visitor Survey of Day-use Visitors at Dabney State Recreation Area

Final Report

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Nature
HISTORY
Discovery

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EXECUTIVE SUMMARY

Objectives

Understanding opinions of park users about issues such as the quality of facilities, social and resource conditions, and how they use these parks is critical to providing adequate programs and services. Project objectives were to describe day user activities, demographic characteristics, and opinions about conditions and management at this park and provide recommendations for maintaining or improving conditions at this park.

Methods

Data were obtained from questionnaires administered to random samples of day user visitors to the park between July 4 and September 30, 2012. The day-use visitor survey involved on-site intercepts. The total number of completed questionnaires was $n = 373$ with a response rate of 79%. The sample size allows generalizations about the population of day users at Dabney State Recreation Area at a margin of error of $\pm 5.1\%$ at the 95% confidence level.

Results

Personal and Visit Characteristics

- The most popular day-use activities at this park were swimming / wading (66%), picnicking or barbecuing (53%), hiking or walking (38%), inner tubing (29%), and sightseeing (26%). The least popular activities were bicycling on local roads (4%), running or jogging (7%), fishing (7%), and boating (motor, canoe, kayak) (8%).
- The most common main activity groups were people swimming / wading (33%), picnicking or barbecuing (21%), disc golf (14%), and inner tubing (12%). The least common activity groups were bird or wildlife watching (1%), fishing (1%), and bicycling on local roads (4%).
- In total, 25% of day-use respondents participated in a float trip on the Sandy River during this visit. The most commonly used watercraft for these float trips were inner tubes (59%) and rafts (39%). Most float trip participants started their trip at Dabney SRA (82%) and took out at Lewis & Clark SRS (59%).
- Day users spent an average of approximately four hours in the park. The majority (54%) of day users spent three to five hours in the park, with only 24% spending one or two hours in the park.
- On average, day users traveled 29 miles from home to visit the park.
- In total, 71% of day-use respondents had visited this park before. Day use visitors had visited an average of ten times in the past 12 months with the highest proportions having made three to five trips (26%), and one trip (20%) to this park in the past year, while 58% had made one to five trips.
- Average group size of day-use visitors was approximately 7 people ($M=7.37$ people). The majority of day users (32%) visited in groups of five to ten people and three or four people (31%).
- Almost all day users arrived at the park in their family vehicle (80%), 16% came in someone else's vehicle, and four percent in another form of transportation. On average, there were 3.44 people in each family vehicle, 3.38 people in someone else's vehicle, and

4.44 people in other types of vehicles. When combining personal, somebody else's, and other vehicle responses, the average was 3.55 people per vehicle.

- The majority (86%) of day users considered this park the main reason for their trip.
- If unable to go to the park for this trip, they would have either gone somewhere else for the same activity (64%), stayed at home (11%), or come back another time (10%).

Visitor Spending

- Most day-use visitors to the park (88%) are local visitors (living 30 miles or less from the park).
- The highest percentage of local visitors (35%) reported spending \$51-\$150 in total spending on their trip. For non-local day-use visitors, the highest percentage (28%) reported spending \$1-\$25 on their trip.
- Most day-users reported spending some money on park entry fees, gasoline and oil and groceries.

Obtaining Information about the Parks

- Almost all day users (94%) were able to find the information they needed when planning their visit to this park, and the few (6%) who did not find it would like a better online map with driving directions to the park and directional signs.
- The most heavily used sources of information by day users were friends or family members (80% used sometimes or often), previous visits (71%), highway signs (54%), and official internet websites (e.g., Oregon State Parks, Travel Oregon; 62%). The least used sources were videos or DVDs (14%), health care providers (15%), and community organizations (19%).
- Official internet websites were used by respondents (46%) as their first primary information source, followed by friends or family (37%), previous visits (5%), and brochures (3%).

Satisfaction with Experiences and Conditions

- Day users considered the most important characteristics the park's cleanliness (e.g., lawn care, lack of graffiti; 93%), absence of litter (92%), cleanliness of toilets (90%), parking for vehicles (88%), good value for fee paid at the park (87%), personal safety (80%), and number of toilets (80%). The least important attributes were the amount and quality of educational information (42% and 47%), ease of movement / access (55%), presence of park rangers / personnel (56%), and number of park trails (58%).
- Overall satisfaction among day users was extremely high, as 95% were satisfied and almost no respondents (5%) were dissatisfied or neutral. In addition, the highest proportion of users was "satisfied" (51%). The majority of day users were satisfied with most characteristics at Dabney State Recreation Area. Day users were most satisfied with park cleanliness (88%), personal safety (83%), absence of litter (82%), number of toilets / bathrooms (79%), courteousness of park rangers / personnel (78%), and the cleanliness of toilets (78%). Users were least satisfied with the amount and quality of educational information (46% to 48%) and information available about conditions / hazards (56%).

- An Importance – Performance analysis showed all attributes were in the “keep up the good work” quadrant, indicating that day users thought that park staff were doing a good job managing conditions and experiences at the park. There was, however, one attribute that was important to users, but these users were only slightly satisfied with this attribute. Managers should, therefore, consider monitoring the parking for vehicles at the park.
- Approximately 66% of day users felt crowded at the park. These results suggest that crowding in the day use areas is at “overcapacity” where locations or activities are generally known to have overuse problems, and they are likely to be operating at more than their capacity. Studies and management are necessary to preserve experiences.

Attitudes about Management Strategies

- Day users most strongly supported management strategies that would provide more recycling containers (78%), more trash cans (73%), more opportunities for escaping crowds (75%), more opportunities for viewing wildlife (70%), and better maintenance / upkeep of facilities (61%). The least supported strategies were to close the park to all recreation/tourism activities (14%), limit the number of people allowed in the park per day (17%), limit the number of people allowed (33%), provide more programs led by rangers (39%), limit the number of large groups allowed (38%), and provide internet access in the park (38%).

Sociodemographic Characteristics of Users

- There were more female (55%) than male (45%) day users at this park.
- The average age of respondents was 35 years old, and the largest proportions of users were 20 to 29 years old (34%) and 30 to 39 years old (34%).
- The average annual household income before taxes of respondents was \$49,200, and the largest proportion of users had incomes from \$30,000 to \$49,999 (28%). Day-use visitors to Dabney State Recreation Area are generally less wealthy than the Oregon population at large (Oregon median household income in 2010 was \$51,994).
- Most respondents were white (i.e., Caucasian; 78%) with many Hispanic / Latinos (13%), and some Asian Americans (2%), Native Hawaiian or Pacific Islanders (2%), Blacks / African Americans (2%), American Indian / Alaska Natives (1%), and Other (1%).
- Most day users (88%) considered English as the primary language in their homes, while some spoke Spanish (9%).
- Over 92% of day use visitors lived in Oregon, 5% resided in Washington State, 1% were from California, 1% were from Nevada, and 1% were from other locations. Among day users, 88% lived in the Portland Metro region (<http://www.guidetooregon.com/regions/map.html>), 2% resided in the Willamette Valley region, 2% resided in the Coastal region, and <1% resided in the Mt. Hood / Gorge region. No visitors lived in the Southern, Eastern, or Central regions of the state.
- 86% of day users said that nobody in their group had a disability, whereas 14% had at least one group member with a disability. The most common disability was associated with walking (9% of day users), while 3% of day users had a hearing disability, 1% had a learning disability, 1% had a sight disability, and 3% had some other form of disability.

Recommendations

Management Recommendations

- Most day users traveled to this park in their own vehicles (80%), so adequate parking is important and should be considered in planning and management. The need for additional parking was identified as the top suggestion for improving the park in an analysis of open ended comments included in Appendix A.
- The average number of visitors per vehicle for Dabney State Recreation Area day-use vehicles (3.55) was significantly lower than the current FMS assumption of 4.0 visitors per vehicle. Park managers may want to use this updated figure in future day-use calculations for the park.
- Almost all day users (95%) were satisfied with their experiences and the conditions at this park. Satisfaction, however, was consistently lower for the amount and quality of educational information (42% and 47%). Managers may wish to evaluate these services to users to insure they are meeting visitor needs.
- The results suggest that crowding at day-use areas is “overcapacity” where locations or activities are generally known to have overuse problems, and they are likely to be operating at more than their capacity. Monitoring and management of park use levels is needed, especially given that 75% of park users supported the provision of more opportunities for escaping crowds.
- The Importance – Performance analysis shows that all attributes were in the “keep up the good work” category, indicating that users thought that staff were doing a good job managing conditions and experiences. However, this analysis showed that managers should consider monitoring the parking for vehicles at the park.
- Day user visitors most strongly supported strategies that would provide more recycling containers (78%), trash cans (73%), opportunities for escaping crowds (75%), opportunities for viewing wildlife (70%), and better maintenance / upkeep of facilities (61%). Managers may want to consider some or all of these strategies.
- Almost all park visitors (94%) were able to find the information they needed when planning their visit to Dabney State Recreation Area. However, some visitors (6%) were not able to find all information needed. The most popular information needed was a better online map with driving directions to the park and directional signs.
- A large proportion of day users (46%) depended on official internet websites as the primary source of obtaining information about state parks such as Dabney State Recreation Area. Given these results, it is imperative for staff to ensure that agency and park internet websites are easy to navigate, up to date, and provide comprehensive information.
- A substantial number of day users (25%) participated in a float trip on the Sandy River during their park visit. The most commonly used watercraft for these float trips were inner tubes (59%) and rafts (39%). Most float trip participants started their trip at Dabney SRA (82%) and took out at Lewis & Clark SRS (59%). Managers may want to consider having a concessionaire shuttle float trip participants back to their parking area following their float trip. This could free up parking spaces at Lewis & Clark SRS during peak use periods.

- Since a high number of visitors reported Spanish (9%) as the primary language in their homes, managers may consider developing a one-page information sheet in English and Spanish languages describing the recreation opportunities available at the park. This sheet could also be included on the park website.
- Appendix A is a listing of 153 verbatim open ended positive comments (14 comments, 1 page) and negative comments and suggestions for improvement of Dabney State Recreation Area (139 comments, 6 pages). Many comments may provide insights for future planning and management. The most common concerns expressed needs for: (a) additional parking; (b) allowing dogs in the park; (c) too much litter; (d) additional recycling / trash receptacles; (e) a snack bar or vending machines; (f) more restrooms; (g) more ranger patrols; and (h) a lower park fee.

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INTRODUCTION AND OBJECTIVES

The Oregon State Parks system provides public access to a collection of the state's outstanding natural, cultural, scenic, and outdoor recreation resources. Understanding the opinions of park users regarding issues such as the quality of facilities, recreational opportunities, social and resource conditions, and how they use these parks is critical to providing effective facilities, programs, and services. Project objectives were to describe day user activities, demographic characteristics, and opinions about conditions and management at this park and provide recommendations for maintaining or improving conditions at this park.

METHODS

Data were obtained from a questionnaire (see Appendix B) administered to a randomly selected sample of day users at Dabney State Recreation Area between July and September 2012. An on-site (face to face) survey method was used for day users. A respondent was only allowed one opportunity to complete a questionnaire.

Onsite Survey of Day Users

Day users 18 years of age and older who visited Dabney State Recreation Area between July 4 and September 30, 2012 were approached in person (face to face) and asked to complete the six page questionnaire onsite at this park. Day users were asked if they would be willing to complete the questionnaire and asked to immediately complete and return the full length questionnaire onsite. Questionnaires were printed on both sides of two legal sized (8 ½ x 14) pages and folded into a small booklet, and took most respondents approximately 15 to 20 minutes to complete. Respondents were provided with a clipboard and pen to complete the questionnaire. A number of volunteers (e.g., Camp Hosts) administered these questionnaires to reduce costs.

Sample Size and Response Rate

As shown in Table 1, the total number of completed questionnaires was $n = 373$ with an estimated total response rate of 79%.

Table 1. Sample size and response rate

	Initial contacts	Completed surveys (n)	Response rate (%)
Day Users	475	373	79

The sample size allows generalizations about the population of day users at Dabney State Recreation Area at a margin of error of $\pm 5.1\%$ at the 95% confidence level, which is in line with the conventional standard of $\pm 5\%$ that has been widely accepted and adopted in recreation and tourism research (Mitra & Lankford, 1995; Vaske, 2008).

Questionnaires administered to day users included questions on a range of topics such as prior visitation, activity participation, satisfaction, support of management, and demographic characteristics. To highlight key findings, data were often recoded into major response categories (e.g., agree, disagree; support, oppose), but basic descriptive findings of uncollapsed questions (i.e., strongly, slightly agree) are provided in Appendix C.

RESULTS

Personal and Visit Characteristics

Activity Groups. The questionnaire asked respondents to check all of the activities in which they participated at Dabney State Recreation Area on their most recent trip. Table 2 shows that the most popular activities at this park were swimming / wading (66%), picnicking or barbecuing (53%), hiking or walking (38%), inner tubing (29%), and sightseeing (26%). The least popular activities were bicycling on local roads (4%), running or jogging (7%), fishing (7%), and boating (motor, canoe, kayak) (8%).

Respondents were then asked to specify the one primary activity in which they participated most often during their recent visit to Dabney State Recreation Area. Table 3 shows that the most common primary activity groups were people swimming / wading (33%), picnicking or barbecuing (21%), disc golf (14%), and inner tubing (12%). The least common activity groups were bird or wildlife watching (1%), fishing (1%), and bicycling on local roads (4%).

Table 2. Day-use recreation activities at the park

Activity	% Participating ^a
Swimming/wading	66
Picnicking or barbequing	53
Hiking or walking	38
Inner tubing	29
Sightseeing	26
Disc golf	22
Rafting	19
Other ^b	16
Bird or wildlife watching	13
Boating (motor, canoe, kayak)	8
Fishing	7
Running or jogging	7
Bicycling on local roads	4

^a Cell entries are percentages (%) of users who reported participating in the activity at the park on their most recent visit. Percentages do not sum to 100% because respondents could check more than one activity from the list.

^b The most popular “other” activities were: sunbathing/ tanning, sitting on beach, relaxing, partying, horse shoes, and baptisms.

Table 3. Primary day-use activities at the park

Activity	Day Users (%)
Swimming/wading	33
Picnicking or barbequing	21
Disc golf	14
Inner tubing	12
Other	7
Rafting	5
Walking or hiking	3
Sightseeing	2
Boating (motor, canoe, kayak)	2
Bicycling on local roads	1
Fishing	1
Bird or wildlife watching	1

Float Trips on Sandy River. The questionnaire asked respondents if they participated in a float trip on the Sandy River on their most recent trip to Dabney State Recreation Area. Table 4 shows that 25% of day use visitors participated in a float trip on the Sandy River during this visit. Table 5 shows that of day use visitors that participated in a float trip, the most common watercraft used were inner tubes (59%) and rafts (39%).

Day-use float trip participants were then asked to specify the put-in and take-out locations for their float trip on the Sandy River. Table 6 shows that most float trip participants put in at

Dabney State Recreation Area (82%) and took out at Lewis & Clark State Recreation Site (59%) as shown in Table 7.

Table 4. Day user float trip participation

	Day Users (%)
Yes, doing a float trip today	25
No, not doing a float trip today	75

Table 5. Day user float trip watercraft used

	Day Use Floaters (%) ^a
Inner tube	59
Raft	39
Other ^b	15
Kayak	11
Canoe	3

^a Cell entries are percentages (%) of users who reported their group using a watercraft on a float trip during their most recent visit. Percentages do not sum to 100% because respondents could check more than one watercraft type from the list.

^b The most popular “other” watercraft were: air mattresses.

Table 6. Day user float trip put-in location

	Day User Floaters (%) ^a
Dabney SNR	82
Sandy River Park	16
Oxbow Regional Park	1
Other	1

Table 7. Day user float trip take-out location

	Day Use Floaters (%) ^a
Lewis & Clark SRS	59
Dabney SNR	17
Glenn Otto	9
Sandy River Delta	7
Don't know	7
Other	1

Duration of Visit. Day users were asked to report how many *hours* they spent at Dabney State Recreation Area on their recent trip. Table 8 shows that, on average, day users spent approximately four hours in the park (M=4.16 hours). The majority (54%) of day users spent from three to five hours in the park, with only 24% spending one or two hours in the park.

Table 8. Duration of day user visit at the park

1 hour	10
2 hours	14
3 hours	19
4 to 5 hours	35
6 to 9 hours	20
10 or more hours	3
Mean / average hours	4.16

Cell entries are percentages (%) unless specified as means / averages

Distance Traveled. Respondents were also asked to report about how far from home they traveled to get to the park. Table 9 shows that 88% of day-use visitors were local (driving 30 miles or less to reach the park), 7% originated 31 to 60 miles from the park, and 5% originated from 61 or more miles. Day users, on average, traveled approximately 29 miles to visit the park.

Table 9. Day user distance traveled to the park

30 miles or less	88
31 to 60 miles	7
61 or more miles	5
Mean / average	29.34

Cell entries are percentages (%) unless specified as means / averages

Previous Visitation. Users were asked if they had ever visited Dabney State Recreation Area before their most recent trip. Table 10 shows that 71% of day-use respondents had visited this park before, whereas 29% had not visited previously.

Table 10. Day user previous visitation to the park

	Day Users (%)
Yes, visited park before	71
No, not visited park before	29

Users who had previously visited this park were then asked how many trips they had made to this park in the past 12 months. Table 11 shows that day users had visited an average of 10 times in the past 12 months with the highest proportions having made three to five trips (26%) and one trip (20%) to this park in the past year, while 58% had made one to five trips.

Table 11. Day user number of previous visits to park in the last 12 months

0 Trips	8
1 Trip	20
2 Trips	12
3 to 5 Trips	26
6 to 12 Trips	19
13 to 24 Trips	6
More than 24 Trips	9
Mean / average trips	9.58

Cell entries are percentages (%) unless specified as means / averages

Group Size. Respondents were asked to report how many people, including themselves, accompanied them at Dabney State Recreation Area on their most recent trip. Table 12 shows that the average day user group size was approximately 7 people ($M = 7.37$ people). Groups most commonly consisted of five to ten people (32%), and three or four people (31%).

Table 12. Day user group size at the park

1 Person (alone)	6
2 People	12
3 or 4 People	31
5 to 10 People	32
11 to 25 People	15
More than 25 People	4
Mean / average	7.37

Cell entries are percentages (%) unless specified as means / averages

Transportation to the Park. Respondents were asked how they got to Dabney State Recreation Area on their most recent trip. Table 13 shows that almost all day users arrived at the park in their family’s personal vehicle (80%), 16% arrived in somebody else’s vehicle, and 4% arrived in another form of transportation. On average, there were three people in each personal family vehicle and in somebody else’s vehicle and four people in other vehicles. When combining personal, other and somebody else’s vehicle responses, the average was 3.55 people per vehicle.

Table 13. Day users transportation to the park

	Day Users (%)
My family's personal vehicle ^a	80
Other ^b	4
Somebody else's personal vehicle ^c	16

^a Number of people in vehicle: mean / average = 3.44 (1-4 people = 76%).

^b Number of people in vehicle: mean / average = 4.44 (1-4 people = 56%).

^c Number of people in vehicle: mean / average = 3.38 (1-4 people = 76%).

Reasons for Visiting. Day users were asked if this park was the main reason for their trip. Table 14 shows that 86% of day users considered this park their main reason for the trip.

Table 14. Whether the park was day users main destination

	Day Users (%)
Primarily for recreation – this park was main destination	86
Primarily for recreation – main destination was not this park	8
Primarily for business, family, or other reasons – park was side trip	4
Some other reason	2

Alternatives to Visit. Respondents were then asked what things they would have considered doing if they were not able to go to Dabney State Recreation Area for this visit. As shown in Table 15, most day users responded that, if unable to go to the park for this visit, they would have either gone somewhere else for the same activity (64%), stayed at home (11%), or come back another time (10%).

Table 15. Day user alternatives to park visit

	Day Users (%)
Gone somewhere else for same activity ^a	64
Gone somewhere else for a different activity ^b	7
Come back another time	10
Stayed home	11
Gone to work at my regular job	1
Something else (none of these)	7

^a If gone somewhere else for same activity, how far from home is the place you would have gone instead: mean / average = 16.29 miles.

^b If gone somewhere else for different activity, how far from home is the place you would have gone instead: mean / average = 21.67 miles.

Section Summary. Taken together, results in this section showed that:

- The most popular day-use activities at this park were swimming / wading (66%), picnicking or barbequing (53%), hiking or walking (38%), inner tubing (29%), and sightseeing (26%). The least popular activities were bicycling on local roads (4%), running or jogging (7%), fishing (7%), and boating (motor, canoe, kayak) (8%).
- The most common main activity groups were people swimming / wading (33%), picnicking or barbecuing (21%), disc golf (14%), and inner tubing (12%). The least common activity groups were bird or wildlife watching (1%), fishing (1%), and bicycling on local roads (4%).
- In total, 25% of day-use respondents participated in a float trip on the Sandy River during this visit. The most commonly used watercraft for these float trips were inner tubes (59%) and rafts (39%). Most float trip participants started their trip at Dabney SRA (82%) and took out at Lewis & Clark SRS (59%).
- Day users spent an average of approximately four hours in the park. The majority (54%) of day users spent three to five hours in the park, with only 24% spending one or two hours in the park.
- On average, day users traveled 29 miles from home to visit the park.
- In total, 71% of day-use respondents had visited this park before. Day use visitors had visited an average of ten times in the past 12 months with the highest proportions having made three to five trips (26%), and one trip (20%) to this park in the past year, while 58% had made one to five trips.
- Average group size of day-use visitors was approximately 7 people ($M=7.37$ people). The majority of day users (32%) visited in groups of five to ten people and three or four people (31%).
- Almost all day users arrived at the park in their family vehicle (80%), 16% came in someone else's vehicle, and four percent in another form of transportation. On average, there were 3.44 people in each family vehicle, 3.38 people in someone else's vehicle, and 4.44 people in other types of vehicles. When combining personal, somebody else's, and other vehicle responses, the average was 3.55 people per vehicle.
- The majority (86%) of day users considered this park the main reason for their trip.

- If unable to go to the park for this trip, they would have either gone somewhere else for the same activity (64%), stayed at home (11%), or come back another time (10%).

Visitor Spending

Day users were asked to estimate how much they and the other members of their party spent on their trip within 30 miles of Dabney State Recreation Area on eight spending categories. The information included in this section of the report summarizes basic visitor spending results from the survey. A more extensive visitor spending analysis will be conducted by Oregon State University and available in a separate report.

For this analysis, “local” visitors are defined as those visitors reporting traveling 30 miles or less from home to get to the park. “Non-local” visitors are those respondents living 31 or more miles from the park. All foreign visitors were classified as “non-local” visitors. Spending reports of \$1,000 or more were considered as outliers and omitted from the analysis.

Table 16 includes the percentages of all park day users that are local and non-local visitors. Most day users to the park are local (living 30 miles or less from the park) visitors (88%).

Table 16. Day users, local / non-local

	Day Users (%)
Local	88
Non-Local	12

Table 17 shows the proportion of total spending for local and non-local day-use visitors and reported on a party trip basis. For local day-use visitors, the highest percentage (35%) reported spending \$51-\$150. For non-local day-use visitors, the highest percentage (33%) reported spending \$1-\$25 on their trip.

Table 17. Day user total spending, dollars per party per trip

	Local	Non-Local
Spent no money	7	3
\$1 - \$25	34	28
\$26 - \$50	19	22
\$51 - \$150	35	25
\$151 - \$350	5	19
\$351 - \$550	0	3

Table 18 includes the proportion of day-use visitor parties that reported spending any dollars on the eight spending categories (e.g., motel, camping, restaurants and bars, groceries, etc.). For local day-use visitors, most reported spending some money on park entry fees (84%), gasoline and oil (74%) and groceries (71%). Similar spending was reported by non-local day use visitors.

Table 18. Percent of day user party spending of any dollars in eight spending categories

Spending Categories	Local	Non-Local
Motel, lodge, cabin, B&B, other lodging	3	8
Camping	5	2
Restaurants and bars	21	23
Groceries	53	51
Gasoline and oil	55	55
Park entry, parking, or recreation use fees	62	64
Recreation and equipment (guide fees, equipment rental)	12	8
Souvenirs, clothing, and other miscellaneous	6	11

Section Summary. Taken together, results in this section showed that:

- Most day-use visitors to the park (88%) are local visitors (living 30 miles or less from the park).
- The highest percentage of local visitors (35%) reported spending \$51-\$150 in total spending on their trip. For non-local day-use visitors, the highest percentage (28%) reported spending \$1-\$25 on their trip.
- Most day-users reported spending some money on park entry fees, gasoline and oil and groceries.

Obtaining Information about the Parks

The questionnaire contained several questions examining how day users obtained information about state parks such as Dabney State Recreation Area and whether they were able to obtain the information they needed. Table 19 shows that almost all day users (94%) were able to find the information they needed when planning their visit to this state park, and the few (6%) who did not find the information they needed would like a better online park map with driving directions to the park and directional signs.

Table 19. Whether day users found the information needed

	Day Users (%)
Yes, found the information needed	94
No, did not find the information needed ^a	6

^a The most popular information needed was: better online park map with driving directions to the park and directional signs.

Table 20. Day user use of information sources ^a

	Day Users (%)
Friends / family	80
Previous visit	71
Highway signs	54
Official internet websites (OPRD)	62
Other ^b	33
Social media websites	34
Books	22
Work	25
Brochures	29
Magazines	22
Radio	22
Newspapers	20
Television	20
Community organizations (Church, etc.)	19
Health care providers	15
Videos / DVDs	14

^a Cell entries are percentages (%) of users who used the information source “sometimes” to “often.”

^b The most popular “other” information sources were: internet search engine and blogs.

Respondents were also presented with a list of 16 possible sources for finding information and asked how often they obtained information from these sources when thinking about visiting an Oregon State Park such as Dabney State Recreation Area. Table 20 shows that the most heavily used sources of information by day users were friends or family members (80% used sometimes or often), previous visits (71%), highway signs (54%), and official internet websites (e.g., Oregon State Parks, Travel Oregon; 62%). The least used sources were videos or DVDs (14%), health care providers (15%), and community organizations (19%).

Respondents were then asked to specify from this list of information sources what one source they would use first when obtaining information about an Oregon State Park such as Dabney

State Recreation Area. Table 21 shows that official internet websites (e.g., Oregon State Parks, Travel Oregon) were used by 46% of respondents as the first primary information source, followed by friends or family (37%), previous visits (5%), and brochures (3%). Few people used other sources when obtaining information.

Table 21. Day user primary information sources

	Day Users (%)
Official internet websites (OPRD)	46
Friends / family	37
Previous visit	5
Brochures	3
Other	2
Social media	2
Television	1
Highway signs	1
Newspapers	1
Community organizations (Church, etc.)	1
Books	<1
Health care providers	<1

Section Summary. Taken together, results in this section showed that:

- Almost all day users (94%) were able to find the information they needed when planning their visit to this park, and the few (6%) who did not find it would like a better online map with driving directions to the park and directional signs.
- The most heavily used sources of information by day users were friends or family members (80% used sometimes or often), previous visits (71%), highway signs (54%), and official internet websites (e.g., Oregon State Parks, Travel Oregon; 62%). The least used sources were videos or DVDs (14%), health care providers (15%), and community organizations (19%).
- Official internet websites were used by respondents (46%) as their first primary information source, followed by friends or family (37%), previous visits (5%), and brochures (3%).

Satisfaction with Experiences and Conditions

Overall Satisfaction. Respondents were asked “overall, how dissatisfied or satisfied were you with your *overall experience* at Dabney State Recreation Area?” Table 22 shows that overall satisfaction was extremely high, as 95% were satisfied and almost no respondents (5%) were dissatisfied or neutral. In addition, the highest proportion of users was “satisfied” (51%).

Table 22. Day user overall satisfaction

	Day Users (%)
Very Satisfied	44
Satisfied	51
Dissatisfied or Neutral	5

Satisfaction and Expectations with Specific Characteristics. Although almost all day users were satisfied with their overall visit at Dabney State Recreation Area, this does not indicate that they were satisfied with every aspect of this park. This project, therefore, first measured respondent *expectations* by asking them the extent they believed that several attributes of Dabney State Recreation Area were *important* to their visit (e.g., absence of litter, personal safety, signs, parking). Then, respondents reported their *satisfaction* of these same attributes at this park to measure *performance* of these attributes.

Table 23. Day user specific *expectations* at the park

	Day Users (%) ^a
Cleanliness of park (graffiti, lawns)	93
Absence of litter	92
Cleanliness of toilets / bathrooms	90
Parking for vehicles	88
Good value for fee paid at the park	87
Personal safety	80
Number of toilets / bathrooms	80
Courteousness of rangers / personnel	76
Signs with directions <i>in</i> the park	72
Signs with directions <i>to</i> the park	71
Information about conditions / hazards	71
Variety of things to do	69
Condition / maintenance of trails	68
Facilities for groups to gather	60
Number of park trails	58
Presence of park rangers / personnel	56
Ease of movement / access (wheelchair, elderly, stroller)	55
Quality of educational information	47
Amount of educational information	42

^a Cell entries are percentages (%) of users who rated the characteristic as “somewhat” or “extremely important.”

Table 23 shows that the most important characteristics were the park’s cleanliness (e.g., lawn care, lack of graffiti; 93%), absence of litter (92%), cleanliness of toilets (90%), parking for vehicles (88%), good value for fee paid at the park (87%), personal safety (80%), and number of toilets (80%). The least important attributes were the amount and quality of educational information (42% and 47%), ease of movement / access (55%), presence of park rangers / personnel (56%), and number of park trails (58%).

Table 24. Day user specific *satisfactions* at the park

	Day Users (%) ^a
Cleanliness of park (graffiti, lawns)	88
Personal safety	83
Absence of litter	82
Number of toilets / bathrooms	79
Courteousness of rangers / personnel	78
Cleanliness of toilets / bathrooms	78
Good value for fee paid at the park	76
Variety of things to do	74
Presence of park rangers / personnel	73
Facilities for groups to gather	70
Parking for vehicles	70
Signs with directions <i>to</i> the park	69
Condition / maintenance of trails	67
Number of park trails	65
Ease of movement / access (wheelchair, elderly, stroller)	63
Signs with directions <i>in</i> the park	62
Information about conditions / hazards	56
Quality of educational information	48
Amount of educational information	46

^a Cell entries are percentages (%) of users who rated the characteristic as “satisfied” or “very satisfied.”

Table 24 shows that the majority of day users were satisfied with most of these characteristics at Dabney State Recreation Area. Day users were most satisfied with park cleanliness (88%), personal safety (83%), absence of litter (82%), number of toilets / bathrooms (79%), courteousness of park rangers / personnel (78%), and the cleanliness of toilets (78%). Users were least satisfied with the amount and quality of educational information (46% to 48%) and information available about conditions / hazards (56%).

Importance – Performance Analysis. One approach for visualizing relationships between expectations (i.e., importance of attributes) and satisfaction (i.e., performance of these attributes) is Importance – Performance (I-P) analysis (Figure 1). Importance or expectations are represented as averages (i.e., means) on the vertical axis (i.e., y-axis) and average performance or experiences (i.e., satisfaction) are measured on the horizontal axis (i.e., x-axis). When combined, these axes intersect and produce a matrix of four quadrants that can be interpreted as “concentrate here” (high importance or expectation, low satisfaction or poor experiences; Quadrant A), “keep up the good work” (high importance or expectation and high satisfaction or good experiences; Quadrant B), “low priority” (low importance or expectation and low satisfaction or poor experiences; Quadrant C), and “possible overkill” (low importance or expectation, high satisfaction or good experiences; Quadrant D). This matrix provides managers with an easily understandable picture of the status of services, facilities, and conditions as perceived by users, and reveals conditions that may or may not need attention (Bruyere, Rodriguez, & Vaske, 2002; Vaske, Beaman, Stanley, & Grenier, 1996).

Figure 1. Importance-performance (I-P) analysis matrix

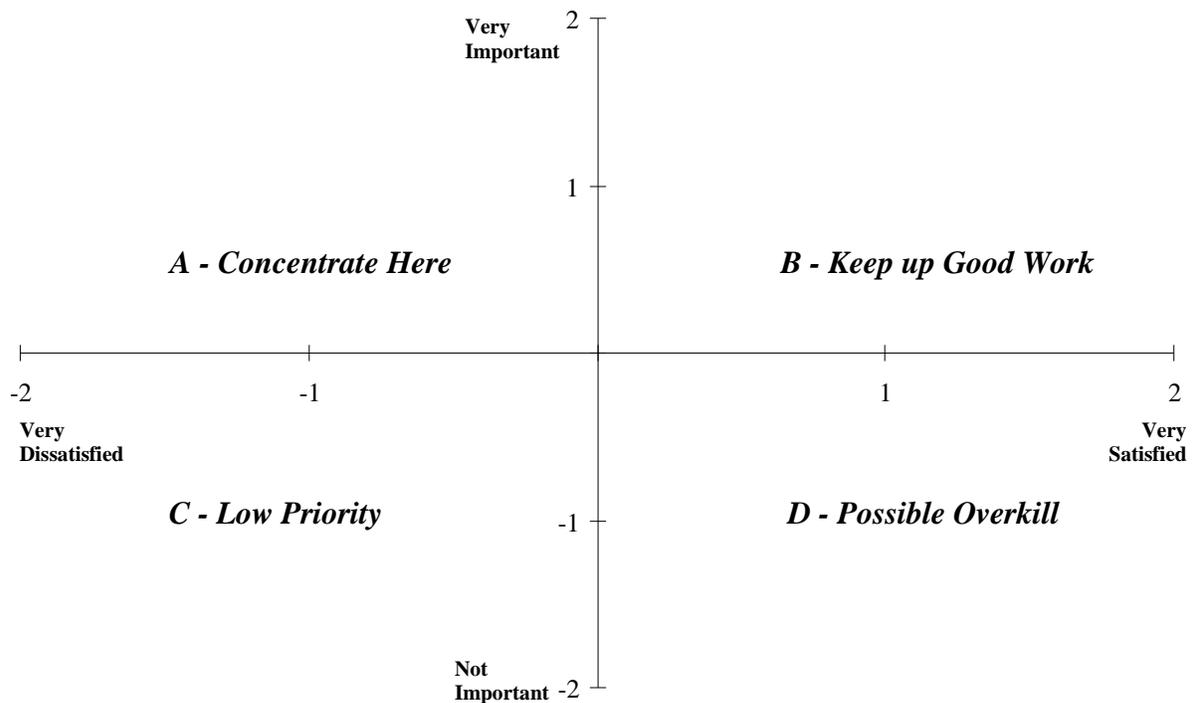


Figure 2. Importance-performance (I-P) analysis matrix for *day users*

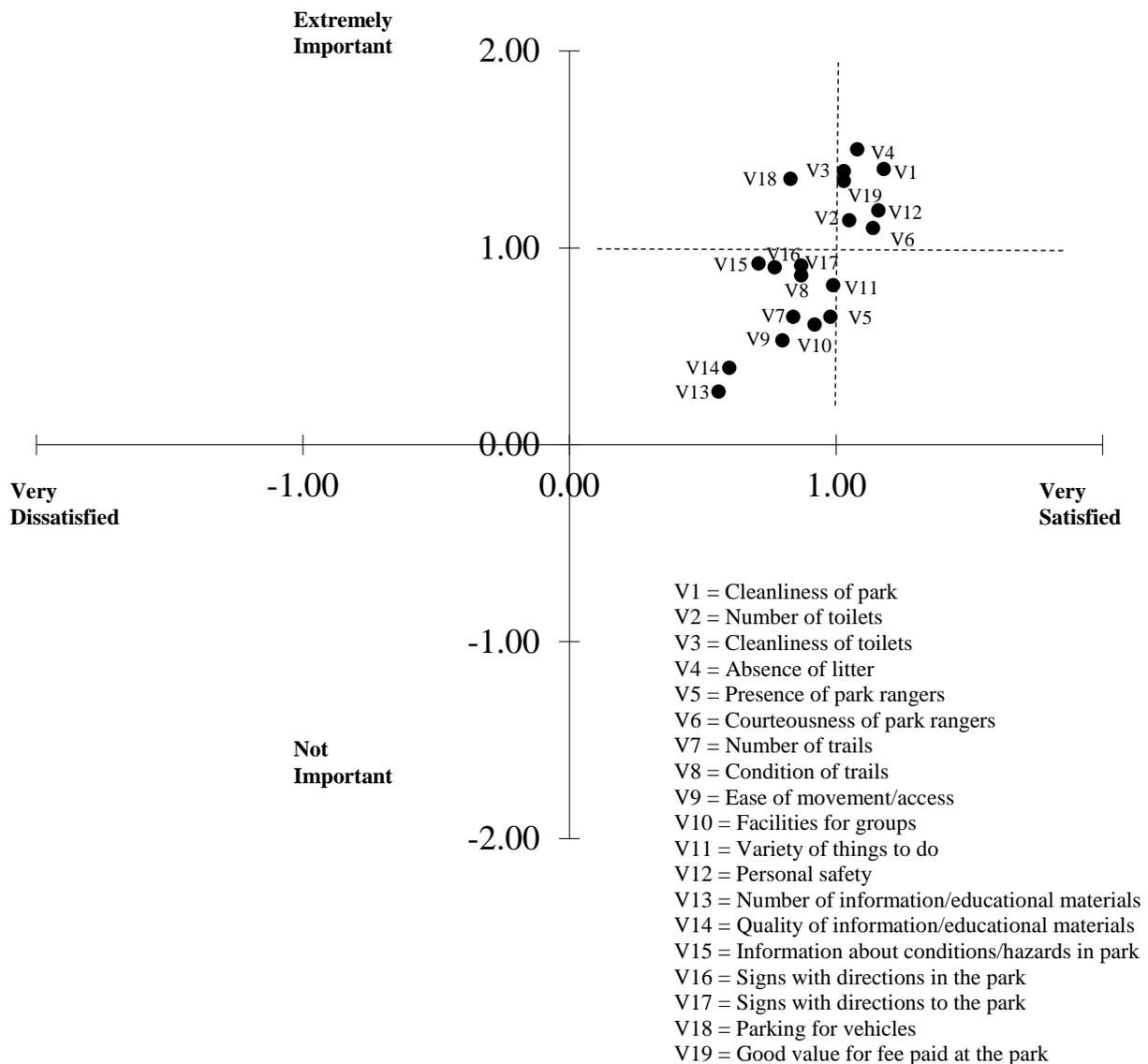


Figure 2 is the I-P matrix for day users at Dabney State Recreation Area. The matrix shows that all of the attributes were in the “keep up the good work” quadrant, indicating that day users thought that park staff were doing a good job managing conditions and experiences at the park. It may be important, however, to more carefully examine this quadrant (i.e., dashed lines), as there was one attributes that was important to users, but these users were only slightly satisfied with this attribute. Managers should, therefore, consider monitoring the parking for vehicles at the park.

Respondents were asked several additional questions about their satisfaction with Dabney State Recreation Area, including this park’s natural environment, facilities and services. Day users were also asked how likely they would return to this state park. Table 25 shows high day user satisfaction with the park’s environment (92%) facilities and services (83%), and somewhat high satisfaction with fees at this park (69%). In total, 94% of day users said they were likely to return to this park in the future.

Table 25. Day user likelihood of returning and satisfaction with the park facilities and environment

	Day Users (%)
Satisfaction with natural environment ^a	92
Satisfaction with facilities and services ^a	83
Likelihood of returning ^b	94
Satisfaction with fee paid ^a	69

^a Cell entries are percentages (%) of users who rated the characteristic as “satisfied” or “very satisfied.”

^b Cell entries are percentages (%) of users who said they were “likely” or “very likely” to return to the park in the future.

Perceived Crowding. *Perceived crowding* is a subjective and negative evaluation that the number of encounters or people observed in an area is too many. Research suggests that when users perceived an area to be crowded, they likely encountered more than their maximum acceptance (i.e., their norm) of impacts (e.g., use levels) for the particular setting (Manning, 2010; Needham & Rollins, 2009).

Table 26. Day user perception of crowding

	Day Users
Perception of crowding ^a	4.10
Reported feeling crowded	66

^a Cell entries are means on 9 point crowding scale of 1-2 “not at all crowded” to 3-4 “slightly crowded” to 5-7 “moderately crowded” to 8-9 “extremely crowded.”

^b Cell entries are percentages (%) of users who reported being “slightly crowded,” “moderately crowded,” or “extremely crowded.”

Table 26 shows that, on average, day users felt crowded, with 66% of day users having felt some degree of crowding on their visit. According to Shelby, Vaske, and Heberlein (1989) and Vaske and Shelby (2008), these results suggest that crowding at the day use areas can be considered “overcapacity” where locations or activities are generally known to have overuse problems, and they are likely to be operating at more than their capacity. Studies and management are necessary to preserve experiences.

Section Summary. Taken together, results in this section showed that:

- Day users considered the most important characteristics the park's cleanliness (e.g., lawn care, lack of graffiti; 93%), absence of litter (92%), cleanliness of toilets (90%), parking for vehicles (88%), good value for fee paid at the park (87%), personal safety (80%), and number of toilets (80%). The least important attributes were the amount and quality of educational information (42% and 47%), ease of movement / access (55%), presence of park rangers / personnel (56%), and number of park trails (58%).
- Overall satisfaction among day users was extremely high, as 95% were satisfied and almost no respondents (5%) were dissatisfied or neutral. In addition, the highest proportion of users was "satisfied" (51%). The majority of day users were satisfied with most characteristics at Dabney State Recreation Area. Day users were most satisfied with park cleanliness (88%), personal safety (83%), absence of litter (82%), number of toilets / bathrooms (79%), courteousness of park rangers / personnel (78%), and the cleanliness of toilets (78%). Users were least satisfied with the amount and quality of educational information (46% to 48%) and information available about conditions / hazards (56%).
- An Importance – Performance analysis showed all attributes were in the "keep up the good work" quadrant, indicating that day users thought that park staff were doing a good job managing conditions and experiences at the park. There was, however, one attribute that was important to users, but these users were only slightly satisfied with this attribute. Managers should, therefore, consider monitoring the parking for vehicles at the park.
- Approximately 66% of day users felt crowded at the park. These results suggest that crowding in the day use areas is at "overcapacity" where locations or activities are generally known to have overuse problems, and they are likely to be operating at more than their capacity. Studies and management are necessary to preserve experiences.

Attitudes about Management Strategies

Day users were asked the extent they opposed or supported several potential new strategies for the park. Table 27 shows that the most strongly supported strategies by day users were to provide more recycling containers (78%), more trash cans (73%), more opportunities for escaping crowds (75%), more opportunities for viewing wildlife (70%), and better maintenance / upkeep of facilities (61%). The least supported strategies were to close the park to all recreation/tourism activities (14%), limit the number of people allowed in the park per day (17%), limit the number of people allowed (33%), provide more programs led by rangers (39%), limit the number of large groups allowed (38%), and provide internet access in the park (38%).

Table 27. Day user attitudes about management at the park

	Day Users (%) ^a
More recycling containers	78
More trash cans	73
More opportunities for escaping crowds	75
More opportunities for viewing wildlife	70
Better maintenance / upkeep of facilities	61
More opportunities for hiking	59
Restore to historical conditions	64
Natural buffers block view of development	57
More info / education (nature, history)	56
More group picnic areas	54
Make park more pet friendly	53
Do not change anything / keep as is	49
More enclosed shelters	46
More paved trails	42
Downloadable mobile phone applications	39
Wireless internet access in park	38
Limit the number of large groups allowed	38
More programs led by rangers	39
Limit the number of people allowed per day	33
Close park to all recreation/tourism activities	17

^a Cell entries are percentages (%) of users whose response was “support” or “strongly support.”

Section Summary. Taken together, results in this section showed that:

- Day users most strongly supported management strategies that would provide more recycling containers (78%), more trash cans (73%), more opportunities for escaping crowds (75%), more opportunities for viewing wildlife (70%), and better maintenance / upkeep of facilities (61%). The least supported strategies were to close the park to all recreation/tourism activities (14%), limit the number of people allowed in the park per day (17%), limit the number of people allowed (33%), provide more programs led by rangers (39%), limit the number of large groups allowed (38%), and provide internet access in the park (38%).

Sociodemographic Characteristics of Users

Table 28 shows demographic characteristics of day users. There were more female (55%) than male (45%) day users at Dabney State Recreation Area. The average age of respondents was 35 years old, and the largest proportions of users were 20 to 29 years old (34%) and 30 to 39 years old (34%). Most respondents were white (i.e., Caucasian; 78%) with many Hispanic / Latinos (13%), and some Asian Americans (2%), Native Hawaiian or Pacific Islanders (2%), Blacks / African Americans (2%), American Indian / Alaska Natives (1%), and Other (1%). The average annual household income before taxes of respondents was \$49,200, and the largest proportion of users had incomes from \$30,000 to \$49,999 (28%). Day-use visitors to Dabney State Recreation Area are generally less wealthy than the Oregon population at large (Oregon median household income in 2010 was \$51,994).

Table 29 shows that most day users (88%) considered English as the primary language in their homes, while some spoke Spanish (9%).

Table 28. Day user demographic characteristics

	Day Users (%) ^a
Gender	
Male	45
Female	55
Age	
Less than 20 years old	4
20 – 29 years	34
30 – 39 years	34
40 – 49 years	14
50 – 59 years	8
60 – 69 years	5
70 – 79 years	1
80+ years old	0
Average age (mean years)	35.23
Household income (before taxes)	
Less than \$10,000	9
\$10,000 – \$29,999	18
\$30,000 – \$49,999	28
\$50,000 – \$69,999	12
\$70,000 – \$89,999	13
\$90,000 – \$109,999	6
\$110,000 – \$129,999	6
\$130,000 – \$149,999	3
\$150,000 – \$169,999	1
\$170,000 or more	4
Average income (mean dollars)	49,200
Ethnicity	
White (Caucasian)	78
Hispanic / Latino	13
Asian	2
Native Hawaiian or Pacific Islander	2
Black / African American	2
American Indian / Alaska Native	1
Other	1

^a Cell entries are percentages (%) unless specified as means or averages.

Table 29. Day user language spoken most often at home

	Day Users (%)
English	88
Spanish	9
Other ^a	3

^a The most reported “other” languages were: no other languages were reported by more than one respondent.

Table 30 shows that 92% of day use visitors lived in Oregon, 5% resided in Washington State, 1% were from California, 1% were from Nevada, and 1% were from other locations. Among day users, 88% lived in the Portland Metro region (<http://www.guidetooregon.com/regions/map.html>), 2% resided in the Willamette Valley region, 2% resided in the Coastal region, and <1% resided in the Mt. Hood / Gorge region. No visitors lived in the Southern, Eastern, or Central regions of the state.

Table 30. Day user location of residence

	Day Users (%)
Country	
USA	100
Denmark	<1
State	
Oregon ^a	92
Washington	5
California	1
Nevada	1
Other	1

^a The largest percentage of day users were from the Portland Metro region (88%), whereas 2% resided in the Willamette Valley region, 2% resided in the Coastal region, and <1% resided in the Mt. Hood / Gorge region. No visitors lived in the Southern, Eastern or Central regions of the state.

Table 31 shows that 86% of day users said that nobody in their group had a disability, whereas 14% had at least one group member with a disability. The most common disability was associated with walking (9% of day users), while 3% of day users had a hearing disability, 1% had a learning disability, 1% had a sight disability, and 3% had some other form of disability.

Table 31. Day user disabilities

	Day Users (%)
Disability in group	
No	86
Yes ^a	14

^a Types of disabilities: walking = 9%, hearing = 3%, learning = 1%, sight = 1%, other = 3%

Section Summary. Taken together, results in this section showed that:

- There were more female (55%) than male (45%) day users at this park.
- The average age of respondents was 35 years old, and the largest proportions of users were 20 to 29 years old (34%) and 30 to 39 years old (34%).
- The average annual household income before taxes of respondents was \$49,200, and the largest proportion of users had incomes from \$30,000 to \$49,999 (28%). Day-use visitors to Dabney State Recreation Area are generally less wealthy than the Oregon population at large (Oregon median household income in 2010 was \$51,994).
- Most respondents were white (i.e., Caucasian; 78%) with many Hispanic / Latinos (13%), and some Asian Americans (2%), Native Hawaiian or Pacific Islanders (2%), Blacks / African Americans (2%), American Indian / Alaska Natives (1%), and Other (1%).
- Most day users (88%) considered English as the primary language in their homes, while some spoke Spanish (9%).
- Over 92% of day use visitors lived in Oregon, 5% resided in Washington State, 1% were from California, 1% were from Nevada, and 1% were from other locations. Among day users, 88% lived in the Portland Metro region (<http://www.guidetooregon.com/regions/map.html>), 2% resided in the Willamette Valley region, 2% resided in the Coastal region, and <1% resided in the Mt. Hood / Gorge region. No visitors lived in the Southern, Eastern, or Central regions of the state.
- 86% of day users said that nobody in their group had a disability, whereas 14% had at least one group member with a disability. The most common disability was associated with walking (9% of day users), while 3% of day users had a hearing disability, 1% had a learning disability, 1% had a sight disability, and 3% had some other form of disability.

RECOMMENDATIONS

Management Recommendations

Based on these results from survey of day users, the following recommendations, in no particular order, are proposed for management of Dabney State Recreation Area:

- Most day users traveled to this park in their own vehicles (80%), so adequate parking is important and should be considered in planning and management. The need for additional parking was identified as the top suggestion for improving the park in an analysis of open ended comments included in Appendix A.
- The average number of visitors per vehicle for Dabney State Recreation Area day-use vehicles (3.55) was significantly lower than the current FMS assumption of 4.0 visitors per vehicle. Park managers may want to use this updated figure in future day-use calculations for the park.
- Almost all day users (95%) were satisfied with their experiences and the conditions at this park. Satisfaction, however, was consistently lower for the amount and quality of educational information (42% and 47%). Managers may wish to evaluate these services to users to insure they are meeting visitor needs.
- The results suggest that crowding at day-use areas is “overcapacity” where locations or activities are generally known to have overuse problems, and they are likely to be operating at more than their capacity. Monitoring and management of park use levels is needed, especially given that 75% of park users supported the provision of more opportunities for escaping crowds.
- The Importance – Performance analysis shows that all attributes were in the “keep up the good work” category, indicating that users thought that staff were doing a good job managing conditions and experiences. However, this analysis showed that managers should consider monitoring the parking for vehicles at the park.
- Day user visitors most strongly supported strategies that would provide more recycling containers (78%), trash cans (73%), opportunities for escaping crowds (75%), opportunities for viewing wildlife (70%), and better maintenance / upkeep of facilities (61%). Managers may want to consider some or all of these strategies.

- Almost all park visitors (94%) were able to find the information they needed when planning their visit to Dabney State Recreation Area. However, some visitors (6%) were not able to find all information needed. The most popular information needed was a better online map with driving directions to the park and directional signs.
- A large proportion of day users (46%) depended on official internet websites as the primary source of obtaining information about state parks such as Dabney State Recreation Area. Given these results, it is imperative for staff to ensure that agency and park internet websites are easy to navigate, up to date, and provide comprehensive information.
- A substantial number of day users (25%) participated in a float trip on the Sandy River during their park visit. The most commonly used watercraft for these float trips were inner tubes (59%) and rafts (39%). Most float trip participants started their trip at Dabney SRA (82%) and took out at Lewis & Clark SRS (59%). Managers may want to consider having a concessionaire shuttle float trip participants back to their parking area following their float trip. This could free up parking spaces at Lewis & Clark SRS during peak use periods.
- Since a high number of visitors reported Spanish (9%) as the primary language in their homes, managers may consider developing a one-page information sheet in English and Spanish languages describing the recreation opportunities available at the park. This sheet could also be included on the park website.
- Appendix A is a listing of 153 verbatim open ended positive comments (14 comments, 1 page) and negative comments and suggestions for improvement of Dabney State Recreation Area (139 comments, 6 pages). Many comments may provide insights for future planning and management. The most common concerns expressed needs for: (a) additional parking; (b) allowing dogs in the park; (c) too much litter; (d) additional recycling / trash receptacles; (e) a snack bar or vending machines; (f) more restrooms; (g) more ranger patrols; and (h) a lower park fee.

REFERENCES

- Bruyere, B. L., Rodriguez, D. A., & Vaske, J. J. (2002). Enhancing importance – performance analysis through segmentation. *Journal of Travel and Tourism Marketing*, 12, 81-95.
- Cohen, J. (1988). *Statistical power analysis for the behavioral sciences*. Hillsdale, NJ: Erlbaum.
- Manning, R. E. (2010). *Studies in outdoor recreation: Search and research for satisfaction* (3rd ed.). Corvallis, OR: Oregon State University Press.
- Mitra, A., & Lankford, S. (1999). *Research methods in park, recreation, and leisure services*. Champaign, IL: Sagamore.
- Needham, M. D., & Rollins, R. (2009). Social science, conservation, and protected areas theory. In P. Dearden & R. Rollins (Eds.), *Parks and protected areas in Canada: Planning and management* (3rd ed.) (pp. 135-168). Don Mills, ON: Oxford University Press.
- Needham, M. D., Rollins, R. B., & Wood, C. J. B. (2004). Site-specific encounters, norms and crowding of summer visitors at alpine ski areas. *International Journal of Tourism Research*, 6, 421-437.
- Shelby, B., Vaske, J. J., & Heberlein, T.A. (1989). Comparative analysis of crowding in multiple locations: Results from fifteen years of research. *Leisure Sciences*, 11, 269-291.
- Vaske, J. J. (2008). *Survey research and analysis: Applications in parks, recreation and human dimensions*. State College, PA: Venture.
- Vaske, J. J., & Donnelly, M. P. (2002). Generalizing the encounter-norm-crowding relationship. *Leisure Sciences*, 24, 255-270.
- Vaske, J. J., & Shelby, L. B. (2008). Crowding as a descriptive indicator and an evaluative standard: Results from 30 years of research. *Leisure Sciences*, 30, 111-126.

APPENDIX A: OPEN-ENDED COMMENTS

Positive Comments

- Congratulations on a well maintained park, it is always in great condition
- Dabney is good for a simple park. No real problems.
- Dabney is wonderful. Rooster rock needs help, though - needs the disco golf course marked, control of pets.
- Everything is great.
- First time here, everything seems great. It's a beautiful spot.
- First time here, love it - we'll be back. Thanks.
- I feel it's getting better from the last time I was here a few years ago.
- It is a great place to have closed to home.
- Park is awesome
- Seems pretty great today...nice and quiet. I've heard it is packed in summer, though.
- The park is great. So close to home. Just a few minute drive for us.
- The volunteer was great! He deserves a pay increase or a medal. Great Job!
- We love Dabney! No litter and clean bathrooms and clean river and the beach is very important. I support measures to take care of parks.
- We're good
- A bit cleaner - I think it's mostly lazy people not picking up their own garbage.

Negative Comments and / or Issues for Improvement

- A bit cleaner - I think it's mostly lazy people not picking up their own garbage
- Add more trash cans on trails. Make trails more accessible.
- Air machine - very important need
- Air to blow up rafts
- Allow dogs in the park!
- Allow dogs on leashes and put up dog bag dispensers
- Allow Dogs!
- Allow pets. More recycling.
- Allowing dogs at disc golf course. Add a compressor for filling tubes and charge for it.
- Basketball court
- BBQ pits on the beach area.
- Be a pet friendly park.
- Better BBQ equipment, benches, sitting area, sign of parking's
- Better boat ramp for fisherman
- Build a pet friendly area
- Clean the park, too much litter
- Clean the pond
- Cleaner
- Cleanliness. Some trash in the water.
- Clear a little more brush on the left side of the back 6 holes. Easy to lose discs there.
- Contact lost disc owners. More parking. More disc holes (9 more).
- Control on parking lots, inner tube rentals, snack bar/ice, more foot patrol
- Decrease use fee. Increase group facilities. Allow pets
- Deeper water. Rope swings. Cliffs

- Do not allow ice cream trucks to play music. Do not allow music devices stereos, ipods w/speakers, etc. We come here to enjoy nature this is noise pollution. Ticket cars/trucks taking more than one parking space. Access to rangers is GREAT!
- Dog park area
- Dogs allowed
- Don't allow alcohol on park
- Enforce pet policy or provide poop bag stations for dogs.
- Free parking
- Get details in international guide books. Make it easily accessible for cars. Explain routes for nearby major highways. Not sure whether my response is valid for your survey
- Get rid of all the damn rocks!
- Give some more garbage cans to the disc golfers. Please work on path ways and fairways. Put in garbage cans by old hole 18 and make a gazebo there for tournament check-ins and group events. We need covered area. Water would be very convenient too.
- Great park. Would like to be able to purchase yearly pass from vending machine. More ranger presence on beach would be nice, but overall this park is great and one of our favorites.
- Have rangers watch over parking lots to avoid theft. Also, a vending machine with cold beverages would be fantastic!
- Have some guide tours of park by rangers - hikes, nature walks, more park ranger presence.
- I don't even know I hardly go here.
- I like the idea of more trails and garbage cans. Besides that the park is well upkept, has good plant life and not a bad fee. I say no need to fix something that doesn't need it. I oppose construction and wrecking the already thriving plant life.
- I think it's perfect. Allow dogs on the disc course
- I would like the parking lot sign to tell me the distance I will be hiking in to the river
- I'd like to see an improvement in the disc golf course. It was difficult to play. Too many trees
- If we had more ranger support people may not trash the area nor drive their vehicles on beach.
- Improve map signage/trail signage
- Increase wildlife habitat and remove all trash. Increase recycling efforts.
- Install faucets w/running water in bbq areas.
- Replace invasive plants w/native. Drainage issues & erosion. Bike Rack. You all use 4x4 posts @ Dabney & McIver
- Just make smoking free park
- Keep an eye on erosion.
- Keep it natural. We love it here. Thanks
- Keep it open 24 hours that way we can come anytime of the day
- Keep it safe, clean and well cared for. Raise fee if necessary
- Keep it simple, no garbage on ground. No loud swearing because of kids present. Thank you for having us. Have a great summer.
- Last all park lighting, install facilities for camping
- Leave bathrooms near disc golf course open all winter. More parking in summer
- Less heavy metal music coming from north. first visit, not sure if river is marked. bike stands

- Let dogs come to the park
- Litter clean up at the beach edge
- Make it easier for fishing boats when water is low, and make more trash cans for at least the summer.
- Make parking spaces bigger
- Make that app!
- Maps for disc golf
- May pave some of the main trails down to the river?
- Maybe a shuttle to and from for rafters. Parking is terrible! Gravel the grassy area and make more parking
- Maybe have different fees for different amounts of time you can use the park. I don't like having to do that but that way everyone gets a turn
- More bathrooms available. Walkways less bumpy for strollers. Besides that great park. More river access
- More bathrooms, better parking, theft watch in parking lot, vending machines, season snack/ice sales
- More bbq pits, etc. Other than that, I love it here!
- More beach access. More bathrooms.
- More bears
- More bike parking or any at all, but maybe I missed what's here. I'd be happy to pay a small day use fee if already the park had better bike facilities.
- More care for your restrooms please. Soap would be nice. Continue what you do with your workers. The park looks good. Toilet seat liners in bathroom stalls.
- More drinking fountains. Around picnic areas. WiFi/Internet connection
- More garbage cans
- More garbage cans. More sandy beach. More fish. Mini mart (beer). Try to control parents letting their kids into the river with diapers on. I don't like it. Thank you for your time.
- More parking
- More parking
- More parking please. Lockbox for keys
- More parking!
- More parking, wider roads
- More parking. We were allowed into the park, couldn't find a free spot, threatened with a ticket in the place we parked, and drove around for 20-30 minutes until a spot opened up. Otherwise, a great experience.
- More parking?
- More parking?
- More photos. Internet information about Dabney. Search access
- More picnic tables more trash cans
- More recycling bins so I don't feel bad about throwing things away.
- More restrooms. More water spigots. The info regarding gazebo reservations needs to be communicated better. We were told if no one had it by 8AM it was open for first come first serve. We were here exactly at 8AM settled in, until park ranger said at 8:25AM it was reserved. So we moved to another spot across from the Gazebo only to be told 1 hour later we could not be there. So w/her help we moved again. Later as we passed by the Gazebo there were about 1/2 a dozen people - the place we had settled into the 2nd time

was empty. It seems like the horseshoe pit and volleyball court should be available to all park users, not just those who reserved the Gazebo. It's a wide open spot and there is room for many. At least post your regulations on Gazebo use in the Gazebo - less confusion & upset. This is a beautiful park & the public needs to have full access to it.

- More sand, less rocks. Realistically it was great!
- More shade spots, Cement spots for campsites, more maintenance in camp area, more rangers to make sure rules are being followed (people drinking alcohol, smoking drugs)
- More shaded areas, maintain care with plants. Some more paved paths. Make the park more pet friendly.
- More signs
- More signs to the river on the trails. This park is lovely!
- More stationary places to sit down by the river cause no everyone can bring their own chairs or tables. Find a way to keep all the trash out of the water cause its too much. Provide places where people can rent rafts or other fun things for the water.
- More trash cans, recycling, bathrooms & disc golf
- More trash cans.
- Need to pay with cash. Didn't bring debit or credit card and nowhere to leave a note stating no debit or credit card. So risk a huge ticket even though I have the cash to pay.
- Nice park. Great disc golf course. Impressed by cleanliness on this visit. Would be nice to take my dog for a swim. I would be here twice a week. A dog swimming area downriver would be great. Dog park down road is too far to get to river.
- No radios. Less trash on beach. Better parking (lot was full)
- No Smoking. Shuttle Service.
- Once we were here playing disc golf and it was blackberry season. We ate quite a few before noticing a white powder on some of the bushes. I started to worry they had been sprayed with something and it took us a while to find a ranger to ask. When we did find one, he told us they had been sprayed. There should of been a sign if they were sprayed so people would know not to eat them.
- Parking spaces that are longer for SUVs etc. That's all I can think of - Great job!
- Parks for kids with swings and slides
- Pick up glass on the beaches
- Pick up more garbage on the beach.
- Picnic tables require maintenance. Need more picnic tables and shelters. Grass needs mowing. Trails need improvement, repaving. Needs signs leading to river. Ranger-led educational programs and activities.
- Please expand the disc golf course. I love the river and rocks but I use the disc golf course all year. Disc golfers are people too.
- Please make a dog friendly area of the park. Many people who appreciate the outdoors love to take their dogs on hikes or to off leash areas in safe and clean places. It is such a disappointment not to be able to bring our dogs with us here.
- Please make parking apart of metro pass or came out with a pass for all.
- Please post more and large sign to make people accountable for their trash. More trashcans on beach.
- Plug in for electric vehicles
- Plug ins for EV's
- Priority to disc golf

- Provide a small first come first serve camp sites. Close to the river. Increase the disc course to 27 holes.
- Pull yearly maintenance
- Put a handicap restroom only at beach area. Also have a snack bar for emergency - water, ice, etc.
- Recycling cans at each tee.
- Rentals: canoe, paddle boat. Kids activities. Convenience store
- Restrict alcohol drinking inside the park also monitor for drug usage
- Should be able to pay with cash for the daily fee even when there are no rangers around.
- Shuttle buses for rafters, electric, LPG to eliminate over parking only 1 car necessary at destination
- Shuttle's for when parking is so far away. Summer days.
- Signs showing parking & hole 18 & such. Honestly we love Dabney, its always clean and has what the whole family wants to do
- Some sort of shelter from sun on main beach area. Water fountain closer to beach.
- Somehow let people pay with cash. Restrooms or honeypots closer to water area. More fire pits or bbq to use. Sights were dirty with garbage (wrappers) cig butts. Maybe sweep up around picnic area better.
- Stop making us pay. Let in dogs.
- The sand was quite sharp, especially for kids. Make it more clear how to get down to the water. Allow dogs.
- There are literally only two handicap spaces to park, and they are not by then end of parking ay the paved walk. Considering the number of people who need these today 2 is just not enough. Those of us who truly need them often cannot obtain one due to the prevalence of people with diabetes etc. using them. It would be great to have 2 van accessible and perhaps 4-6 normal disabled parking. Otherwise, there are few places to visit the river for water play (Clack for instance off highway divides Estacada) are \$5. Seems high though the park is beautiful so we come anyways.
- They need camping area
- Trash cans
- Trash cans on beach. Enforce no pet rules
- Trash pick up in the remote area of park. Smoking receptacles. Swing set/playground area.
- Umbrellas/shaded areas closer to the water
- Very dirty w/litter. Could use signs & receptacles to encourage picking up after selves and others. Signs for no smoking. No religious ceremonies/large groups.
- Wandering staff to monitor rowdy behavior on hot days, especially public drunkenness. More trash cans and recycling bins to cut down on litter. Better easier access to river @ more points.
- Waterslide to the river, greener grass, better tables, new cleaner stainless steel, less payment for entrance or no payment, more parking, park store food stand.
- We loved the area. Easy to find and access. Our only concern was that we wanted to swim and felt the current was pretty strong. We came here because it listed swimming as an activity when we found it online.
- We were unable to go down to the river with our wheelchair bound mother. Besides that disappointment everything was great - rangers were helpful and friendly
- Wheel chair accessible trails

- You need more restrooms and more places to park your car
- Your survey was too long to hold most people's attention.

APPENDIX B: QUESTIONNAIRE

Day Visitor Experiences and Perceptions at Dabney State Recreation Area



Please Complete this Survey and Return it as Soon as Possible

Participation is Voluntary and Responses are Anonymous

Thank You for Your Participation

A Study Conducted Cooperatively by:



We are conducting this survey to learn about your experiences at Dabney State Recreation Area (SNA). Your input is important and will assist managers improve your experiences at this park. ***Once you have completed this survey, please return it as soon as possible.***

1. Before this trip, had you ever visited Dabney State Recreation Area? (**check ONE**)
- No
- Yes → if yes, how many day trips have you made to this park in the past 12 months? (**write number**) _____ trip(s)

2. How many hours did you spend at Dabney State Recreation Area on this trip? (**write number**) _____ hour(s)

3. Please check **all** recreation activities you did at Dabney State Recreation Area on this trip. (**check ALL THAT APPLY**)

- | | | |
|--|---|---|
| <input type="checkbox"/> A. Hiking or walking | <input type="checkbox"/> F. Bird or wildlife watching | <input type="checkbox"/> J. Boating (motor, canoe, kayak) |
| <input type="checkbox"/> B. Running or jogging | <input type="checkbox"/> G. Disc golf | <input type="checkbox"/> K. Inner tubing |
| <input type="checkbox"/> C. Bicycling on local roads | <input type="checkbox"/> H. Swimming/ wading | <input type="checkbox"/> L. Rafting |
| <input type="checkbox"/> D. Sightseeing | <input type="checkbox"/> I. Fishing | <input type="checkbox"/> M. Other (write response) _____ |
| <input type="checkbox"/> E. Picnicking or barbecuing | | _____ |

4. From activities in Question 3 above, what **ONE primary activity** did you do at Dabney State Recreation Area on this trip? (**write a letter that matches your response**)

Letter for primary activity _____

5. Are you doing a float trip on the Sandy River today?

- No → if no, go to question 6
- Yes → if yes, what type of watercraft are people in your group using? (**check ALL THAT APPLY**)
- | | | |
|-------------------------------------|---|--------------------------------|
| <input type="checkbox"/> Inner tube | <input type="checkbox"/> Canoe | <input type="checkbox"/> Kayak |
| <input type="checkbox"/> Raft | <input type="checkbox"/> Other (write response) _____ | |

If yes, please identify your PUT IN location for today's float trip (**check ONE**)

- | | | |
|---|---|---|
| <input type="checkbox"/> Sandy River Park | <input type="checkbox"/> Oxbow Regional Park | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Dodge Park | <input type="checkbox"/> Dabney State Recreation Area | <input type="checkbox"/> Other (write response) _____ |
- _____

If yes, please identify your TAKE OUT location for today's float trip (**check ONE**)

- | | | |
|---|--|---|
| <input type="checkbox"/> Dabney State Recreation Area | <input type="checkbox"/> Lewis & Clark SRS | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Glenn Otto Community Park | <input type="checkbox"/> Sandy River Delta | <input type="checkbox"/> Other (write response) _____ |
- _____

6. Which of the following best describes the purpose of your trip? (**check ONE**)

- Primarily for recreation – this park was my main destination
- Primarily for recreation – my main destination was NOT this park
- Primarily for business, family, or other reasons – this park was a side trip
- Some other reason

7. About how far from your home did you travel to get to this park? (**write number of miles**) _____ mile(s)

8. Overall, how dissatisfied or satisfied were you with your **overall experience** at Dabney State Recreation Area? (**check ONE**)

- Very Dissatisfied Dissatisfied Neither Satisfied Very Satisfied

9. How dissatisfied or satisfied were you with the **natural environment** at Dabney State Recreation Area? (**check ONE**)

- Very Dissatisfied Dissatisfied Neither Satisfied Very Satisfied

10. How dissatisfied or satisfied were you with the *facilities / services* at Dabney State Recreation Area? (**check ONE**)

- Very Dissatisfied Dissatisfied Neither Satisfied Very Satisfied

11. How dissatisfied or satisfied were you with the *fee that you paid* at Dabney State Recreation Area? (**check ONE**)

- Very Dissatisfied Dissatisfied Neither Satisfied Very Satisfied

12. How unlikely or likely are you to return to Dabney State Recreation Area in the future? (**check ONE**)

- Very Unlikely Unlikely Neither Likely Very Likely

13. How *important* is it to you that each of the following is at Dabney State Recreation Area? (**circle one number for EACH**)

	Not Important		Neither		Extremely Important
Overall cleanliness of park (e.g., graffiti, lawn care).	1	2	3	4	5
Number of toilets / bathrooms.	1	2	3	4	5
Cleanliness / conditions of toilets / bathrooms.	1	2	3	4	5
Absence of litter.	1	2	3	4	5
Presence of park rangers / personnel.	1	2	3	4	5
Courteousness of park rangers / personnel.	1	2	3	4	5
Number of park trails.	1	2	3	4	5
Condition / maintenance of park trails.	1	2	3	4	5
Ease of movement or access (e.g., wheelchair, elderly, baby stroller).	1	2	3	4	5
Facilities for groups to gather.	1	2	3	4	5
Variety of things to do.	1	2	3	4	5
Personal safety.	1	2	3	4	5
Number of information / education programs or materials.	1	2	3	4	5
Quality of information / education programs or materials.	1	2	3	4	5
Information specifically about conditions or hazards in the park.	1	2	3	4	5
Signs about directions within the park.	1	2	3	4	5
Signs about directions to the park.	1	2	3	4	5
Parking for vehicles.	1	2	3	4	5
Good value for the fee that I paid at the park.	1	2	3	4	5

14. Now, how *dissatisfied or satisfied* were you with the following at Dabney State Recreation Area? (**circle a number for EACH**)

	Very Dissatisfied	Dissatisfied	Neither	Satisfied	Very Satisfied
Overall cleanliness of park (e.g., graffiti, lawn care).	1	2	3	4	5
Number of toilets / bathrooms.	1	2	3	4	5
Cleanliness / conditions of toilets / bathrooms.	1	2	3	4	5
Absence of litter.	1	2	3	4	5
Presence of park rangers / personnel.	1	2	3	4	5
Courteousness of park rangers / personnel.	1	2	3	4	5
Number of park trails.	1	2	3	4	5
Condition / maintenance of park trails.	1	2	3	4	5
Ease of movement or access (e.g., wheelchair, elderly, stroller).	1	2	3	4	5
Facilities for groups to gather.	1	2	3	4	5
Variety of things to do.	1	2	3	4	5
Personal safety.	1	2	3	4	5
Number of information / education programs or materials.	1	2	3	4	5
Quality of information / education programs or materials.	1	2	3	4	5
Information specifically about conditions or hazards in the park.	1	2	3	4	5
Signs about directions within the park.	1	2	3	4	5
Signs about directions to the park.	1	2	3	4	5

Parking for vehicles.	1	2	3	4	5
Good value for the fee that I paid at the park.	1	2	3	4	5

15. To what extent did you feel crowded at Dabney State Recreation Area on this trip? **(circle a number)**

1	2	3	4	5	6	7	8	9
Not at all Crowded		Slightly Crowded			Moderately Crowded		Extremely Crowded	

16. To what extent do you **oppose or support** each of the following possible management actions at Dabney State Recreation Area? **(circle one number for EACH)**

	Strongly Oppose	Oppose	Neither	Support	Strongly Support
Provide more opportunities for escaping crowds of people.	1	2	3	4	5
Provide more opportunities for viewing wildlife.	1	2	3	4	5
Provide more group picnic areas.	1	2	3	4	5
Provide more opportunities for hiking.	1	2	3	4	5
Provide more paved trails.	1	2	3	4	5
Provide more trash cans.	1	2	3	4	5
Provide more recycling containers.	1	2	3	4	5
Provide more information / education about nature, history, or archeology.	1	2	3	4	5
Provide more programs led by park rangers.	1	2	3	4	5
Provide wireless internet access within the park.	1	2	3	4	5
Provide downloadable mobile phone applications.	1	2	3	4	5
Provide more enclosed shelters.	1	2	3	4	5
Improve maintenance or upkeep of facilities / services.	1	2	3	4	5
Make the park more pet friendly.	1	2	3	4	5
Provide natural buffers to block views of development outside the park.	1	2	3	4	5
Restore it to historical conditions (e.g., replace non-native with native plants).	1	2	3	4	5
Limit the number of people allowed per day.	1	2	3	4	5
Limit the number of large groups allowed (e.g., no more than 10-20 people).	1	2	3	4	5
Close this park to all recreation / tourism activities.	1	2	3	4	5
Do not change anything / keep things as they are now.	1	2	3	4	5

17. **Including yourself**, how many people accompanied you at Dabney State Recreation Area on this trip? _____ person(s)

18. Did anyone in your group have a disability?

- No
- Yes → if yes, what are these disabilities? **(check ALL THAT APPLY)** Hearing Sight Walking Learning Other
- _____

19. If you had NOT been able to go to Dabney State Recreation Area for this visit, what would you have done? **(check ONE)**

- Gone somewhere else for the same activity → how far from home is the place you would go instead? _____ miles(s)
- Gone somewhere else for a different activity → how far from home is the place you would go instead? _____ miles(s)
- Come back another time
- Stayed home
- Gone to work at my regular job
- Something else (none of these)

20. How did you get to Dabney State Recreation Area on this trip? (**check ONE**)

- My family's personal vehicle → how many total people were in the vehicle? _____ person(s)
- Somebody else's personal vehicle → how many total people were in the vehicle? _____ person(s)
- Other (write response) _____
 _____ → how many total people were in the vehicle? _____ person(s)

21. When you were thinking about visiting an Oregon State Park such as Dabney State Recreation Area, about how often did you obtain information from each of the following sources when making your decision? (**circle one number for EACH**)

	Never		Sometimes		Often
A. Official internet websites (e.g., Oregon State Parks, Travel Oregon).	1	2	3	4	5
B. Social media internet websites (e.g., Facebook, Twitter).	1	2	3	4	5
C. Brochures.	1	2	3	4	5
D. Newspapers.	1	2	3	4	5
E. Magazines.	1	2	3	4	5
F. Books.	1	2	3	4	5
G. Television.	1	2	3	4	5
H. Videos / DVDs.	1	2	3	4	5
I. Radio.	1	2	3	4	5
J. Community organization or church.	1	2	3	4	5
K. Health care providers.	1	2	3	4	5
L. Work.	1	2	3	4	5
M. Friends or family members.	1	2	3	4	5
N. Highway signs.	1	2	3	4	5
O. Previous visit.	1	2	3	4	5
P. Other (write response) _____	1	2	3	4	5

22. From the list of sources in question 21 above, which **ONE** would you use **FIRST** when obtaining information about an Oregon State Park? (**write letter**)

Letter _____

23. When planning your visit to Dabney State Recreation Area, were you able to find the information you needed? (**check ONE**)

- Yes
- No → if no, what additional information did you need? (**write response**) _____

24. For each of the following categories, please estimate how much you and other members of your party spent and plan to spend on this trip within **30 miles** of Dabney State Recreation Area. **Please round off to the nearest dollar.**

- Motel, lodge, cabin, B&B, other lodging: \$ _____ .00
- Camping: \$ _____ .00
- Restaurants and bars: \$ _____ .00
- Groceries: \$ _____ .00
- Gasoline and oil: \$ _____ .00
- Park entry, parking, or recreation use fees: \$ _____ .00
- Recreation and equipment (guide fees, equipment rental): \$ _____ .00
- Souvenirs, clothing, and other miscellaneous: \$ _____ .00

25. Are you staying away from home within 30 miles of Dabney State Recreation Area on this trip? (**check ONE**)

- No
- Yes → if yes, how many nights are you staying away from home within 30 miles of this park? _____ night(s)

26. Are you: (**check ONE**) Male Female

27. How old are you? (**write response**) _____ years old

28. Which of the following best describes you? (**check ONE**)

- White (Caucasian) Hispanic / Latino American Indian or Alaskan Native Other (write response)
 Black / African American Asian Native Hawaiian or Pacific Islander _____

29. What language is spoken most often at your home? (**check ONE**)

- English Spanish Russian Other (write response) _____

30. Where do you live? (**write responses**) City / town _____ State _____ Country _____ Zipcode _____

31. Which of these broad categories best describes your *current annual household income before taxes*? (**check ONE**)

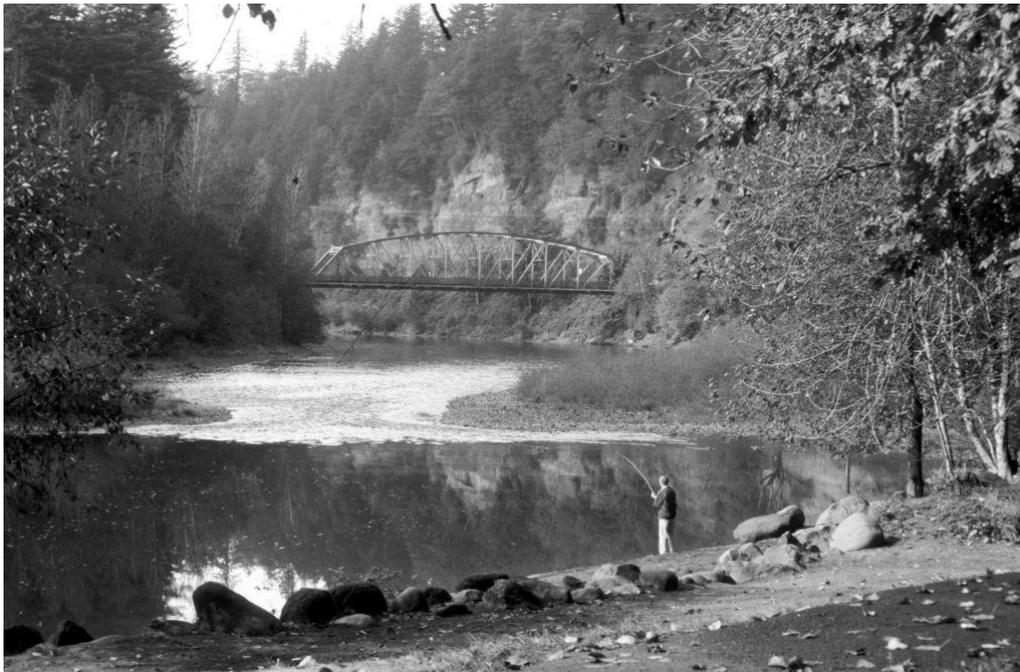
- | | |
|---|---|
| <input type="checkbox"/> Less than \$10,000 | <input type="checkbox"/> \$90,000 to \$109,999 |
| <input type="checkbox"/> \$10,000 to \$29,999 | <input type="checkbox"/> \$110,000 to \$129,999 |
| <input type="checkbox"/> \$30,000 to \$49,999 | <input type="checkbox"/> \$130,000 to \$149,999 |
| <input type="checkbox"/> \$50,000 to \$69,999 | <input type="checkbox"/> \$150,000 to \$169,999 |
| <input type="checkbox"/> \$70,000 to \$89,999 | <input type="checkbox"/> \$170,000 or more |

Please tell us how we can improve Dabney State Recreation Area:

Thank you, your input is important! *Please return this survey as soon as possible.*

APPENDIX C: UNCOLLAPSED PERCENTAGES

Day Visitor Experiences and Perceptions at Dabney State Recreation Area



Please Complete this Survey and Return it as Soon as Possible

Participation is Voluntary and Responses are Anonymous

Thank You for Your Participation

A Study Conducted Cooperatively by:



We are conducting this survey to learn about your experiences at Dabney State Recreation Area (SNA). Your input is important and will assist managers improve your experiences at this park. **Once you have completed this survey, please return it as soon as possible.**

1. Before this trip, had you ever visited Dabney State Recreation Area? (**check ONE**)
 - 29% No
 - 71% Yes → if yes, how many day trips have you made to this park in the past 12 months? (**write number**) M=9.58 trip(s)

2. How many hours did you spend at Dabney State Recreation Area on this trip? (**write number**) M=4.16 hour(s)

3. Please check **all** recreation activities you did at Dabney State Recreation Area on this trip. (**check ALL THAT APPLY**)

38% A. Hiking or walking	13% F. Bird or wildlife watching	8% J. Boating (motor, canoe, kayak)
7% B. Running or jogging	22% G. Disc golf	29% K. Inner tubing
4% C. Bicycling on local roads	66% H. Swimming/ wading	19% L. Rafting
26% D. Sightseeing	7% I. Fishing	16% M. Other (write response) <u>See report</u>
53% E. Picnicking or barbecuing		

4. From activities in Question 3 above, what **ONE primary activity** did you do at Dabney State Recreation Area on this trip? (**write a letter that matches your response**)

Letter for primary activity See report

5. Are you doing a float trip on the Sandy River today?
 - 75% No → if no, go to question 6
 - 25% Yes → if yes, what type of watercraft are people in your group using? (**check ALL THAT APPLY**)

59% Inner tube	3% Canoe	11% Kayak
39% Raft	15% Other (write response) <u>See report</u>	

If yes, please identify your PUT IN location for today's float trip (**check ONE**)

16% Sandy River Park	1% Oxbow Regional Park	0% Don't know
0% Dodge Park	82% Dabney State Recreation Area	1% Other (write response) <u>See report</u>

If yes, please identify your TAKE OUT location for today's float trip (**check ONE**)

17% Dabney State Recreation Area	59% Lewis & Clark SRS	7% Don't know
9% Glenn Otto Community Park	7% Sandy River Delta	1% Other (write response) <u>See report</u>

6. Which of the following best describes the purpose of your trip? (**check ONE**)
 - 86% Primarily for recreation – this park was my main destination
 - 8% Primarily for recreation – my main destination was NOT this park
 - 4% Primarily for business, family, or other reasons – this park was a side trip
 - 2% Some other reason

7. About how far from your home did you travel to get to this park? (**write number of miles**) M=29.34 mile(s)

8. Overall, how dissatisfied or satisfied were you with your **overall experience** at Dabney State Recreation Area? (**check ONE**)

1% Very Dissatisfied	1% Dissatisfied	3% Neither	51% Satisfied	44% Very Satisfied
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9. How dissatisfied or satisfied were you with the **natural environment** at Dabney State Recreation Area? (**check ONE**)

1% Very Dissatisfied	2% Dissatisfied	6% Neither	49% Satisfied	43% Very Satisfied
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10. How dissatisfied or satisfied were you with the *facilities / services* at Dabney State Recreation Area? (**check ONE**)

1% Very Dissatisfied 4% Dissatisfied 12% Neither 53% Satisfied 30% Very Satisfied

11. How dissatisfied or satisfied were you with the *fee that you paid* at Dabney State Recreation Area? (**check ONE**)

3% Very Dissatisfied 9% Dissatisfied 19% Neither 44% Satisfied 25% Very Satisfied

12. How unlikely or likely are you to return to Dabney State Recreation Area in the future? (**check ONE**)

2% Very Unlikely 2% Unlikely 2% Neither 35% Likely 59% Very Likely

13. How *important* is it to you that each of the following is at Dabney State Recreation Area? (**circle one number for EACH**)

	Not Important		Neither		Extremely Important
Overall cleanliness of park (e.g., graffiti, lawn care).	<1%	1%	6%	44%	49%
Number of toilets / bathrooms.	1	3	19	38	40
Cleanliness / conditions of toilets / bathrooms.	0	1	10	39	50
Absence of litter.	<1	1	7	33	59
Presence of park rangers / personnel.	4	8	31	32	25
Courteousness of park rangers / personnel.	2	3	20	35	41
Number of park trails.	4	6	32	37	21
Condition / maintenance of park trails.	2	3	27	43	25
Ease of movement or access (e.g., wheelchair, elderly, baby stroller).	9	9	27	31	25
Facilities for groups to gather.	8	7	24	36	24
Variety of things to do.	6	4	21	42	27
Personal safety.	2	3	16	33	47
Number of information / education programs or materials.	9	12	37	26	16
Quality of information / education programs or materials.	8	10	35	30	18
Information specifically about conditions or hazards in the park.	2	7	21	40	31
Signs about directions within the park.	4	5	19	42	30
Signs about directions to the park.	3	6	21	40	31
Parking for vehicles.	1	3	9	36	52
Good value for the fee that I paid at the park.	1	2	11	36	51

14. Now, how *dissatisfied or satisfied* were you with the following at Dabney State Recreation Area? (**circle a number for EACH**)

	Very Dissatisfied	Dissatisfied	Neither	Satisfied	Very Satisfied
Overall cleanliness of park (e.g., graffiti, lawn care).	1%	3%	9%	53%	38%
Number of toilets / bathrooms.	1	3	17	49	31
Cleanliness / conditions of toilets / bathrooms.	1	4	17	47	31
Absence of litter.	1	6	11	49	33
Presence of park rangers / personnel.	0	1	26	47	26
Courteousness of park rangers / personnel.	0	1	21	41	37
Number of park trails.	0	2	33	45	21
Condition / maintenance of park trails.	0	1	32	45	22
Ease of movement or access (e.g., wheelchair, elderly, stroller).	2	3	32	41	23
Facilities for groups to gather.	1	2	28	43	27
Variety of things to do.	1	2	24	45	29
Personal safety.	<1	1	16	47	35
Number of information / education programs or materials.	1	4	50	31	15
Quality of information / education programs or materials.	1	2	49	32	16
Information specifically about conditions or hazards in the park.	<1	4	40	37	20
Signs about directions within the park.	1	5	32	41	21
Signs about directions to the park.	2	6	24	43	27

Parking for vehicles.	4	11	15	38	32
Good value for the fee that I paid at the park.	2	4	19	42	34

15. To what extent did you feel crowded at Dabney State Recreation Area on this trip? (circle a number)

21%	13%	14%	7%	7%	23%	7%	5%	3%
Not at all Crowded		Slightly Crowded			Moderately Crowded			Extremely Crowded

16. To what extent do you *oppose or support* each of the following possible management actions at Dabney State Recreation Area? (circle one number for EACH)

	Strongly Oppose	Oppose	Neither	Support	Strongly Support
Provide more opportunities for escaping crowds of people.	1%	3%	21%	48%	27%
Provide more opportunities for viewing wildlife.	1	2	27	48	22
Provide more group picnic areas.	2	5	39	38	16
Provide more opportunities for hiking.	1	1	39	43	16
Provide more paved trails.	4	11	43	29	13
Provide more trash cans.	1	1	25	48	24
Provide more recycling containers.	1	1	20	44	35
Provide more information / education about nature, history, or archeology.	2	2	41	36	20
Provide more programs led by park rangers.	2	8	51	28	11
Provide wireless internet access within the park.	18	15	29	20	19
Provide downloadable mobile phone applications.	9	14	38	25	14
Provide more enclosed shelters.	4	10	41	35	11
Improve maintenance or upkeep of facilities / services.	1	2	36	44	17
Make the park more pet friendly.	6	12	28	26	28
Provide natural buffers to block views of development outside the park.	2	4	36	38	19
Restore it to historical conditions (e.g., replace non-native with native plants).	2	2	32	37	27
Limit the number of people allowed per day.	17	22	28	24	10
Limit the number of large groups allowed (e.g., no more than 10-20 people).	15	19	27	25	13
Close this park to all recreation / tourism activities.	46	20	17	12	5
Do not change anything / keep things as they are now.	5	9	38	30	19

17. **Including yourself**, how many people accompanied you at Dabney State Recreation Area on this trip? M=7.37 person(s)

18. Did anyone in your group have a disability?

86% No

14% Yes → if yes, what are these disabilities? (check ALL THAT APPLY) 3% Hearing 1% Sight 9% Walking
1% Learning 3% Other: See report

19. If you had NOT been able to go to Dabney State Recreation Area for this visit, what would you have done? (check ONE)

64% Gone somewhere else for the same activity → how far from home is the place you would go instead? M=16.29 miles(s)

7% Gone somewhere else for a different activity → how far from home is the place you would go instead? M=21.67 miles(s)

10% Come back another time

11% Stayed home

1% Gone to work at my regular job

7% Something else (none of these)

20. How did you get to Dabney State Recreation Area on this trip? (**check ONE**)

- 80% My family's personal vehicle → how many total people were in the vehicle? M=3.44 person(s)
- 16% Somebody else's personal vehicle → how many total people were in the vehicle? M=3.38 person(s)
- 4% Other (write response) _____
 _____ → how many total people were in the vehicle? M=4.44 person(s)

21. When you were thinking about visiting an Oregon State Park such as Dabney State Recreation Area, about how often did you obtain information from each of the following sources when making your decision? (**circle one number for EACH**)

	Never	Sometimes	Often
A. Official internet websites (e.g., Oregon State Parks, Travel Oregon).	32%	5%	18%
B. Social media internet websites (e.g., Facebook, Twitter).	58	9	7
C. Brochures.	57	14	2
D. Newspapers.	70	10	2
E. Magazines.	66	12	2
F. Books.	64	14	3
G. Television.	68	12	2
H. Videos / DVDs.	75	11	1
I. Radio.	66	13	1
J. Community organization or church.	71	10	3
K. Health care providers.	76	9	2
L. Work.	65	10	3
M. Friends or family members.	15	6	36
N. Highway signs.	36	10	12
O. Previous visit.	25	4	36
P. Other (write response) <u>See report</u>	62	5	13

22. From the list of sources in question 21 above, which **ONE** would you use **FIRST** when obtaining information about an Oregon State Park? (**write letter**)

Letter See report

23. When planning your visit to Dabney State Recreation Area, were you able to find the information you needed? (**check ONE**)

- 94% Yes
- 6% No → if no, what additional information did you need? (**write response**) See report

24. For each of the following categories, please estimate how much you and other members of your party spent and plan to spend on this trip within **30 miles** of Dabney State Recreation Area. **Please round off to the nearest dollar.**

- Motel, lodge, cabin, B&B, other lodging: See report
- Camping: See report
- Restaurants and bars: See report
- Groceries: See report
- Gasoline and oil: See report
- Park entry, parking, or recreation use fees: See report
- Recreation and equipment (guide fees, equipment rental): See report
- Souvenirs, clothing, and other miscellaneous: See report

25. Are you staying away from home within 30 miles of Dabney State Recreation Area on this trip? (**check ONE**)

- 90% No
- 10% Yes → if yes, how many nights are you staying away from home within 30 miles of this park? M=2.92 night(s)

26. Are you: (**check ONE**) 45% Male 55% Female

27. How old are you? (**write response**) M=35.23 years old

28. Which of the following best describes you? (**check ONE**)

78% White (Caucasian)	13% Hispanic / Latino	1% American Indian or Alaskan Native	1% Other (write response)
2% Black / African American	2% Asian	2% Native Hawaiian or Pacific Islander	<u>See report</u>

29. What language is spoken most often at your home? (**check ONE**)

88% English	9% Spanish	0% Russian	3% Other (write response) <u>See report</u>
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30. Where do you live? (**write responses**) City / town: See report State: See report Country: See report Zipcode: See report

31. Which of these broad categories best describes your *current annual household income before taxes*? (**check ONE**)

9% Less than \$10,000	6% \$90,000 to \$109,999
18% \$10,000 to \$29,999	6% \$110,000 to \$129,999
28% \$30,000 to \$49,999	3% \$130,000 to \$149,999
12% \$50,000 to \$69,999	1% \$150,000 to \$169,999
13% \$70,000 to \$89,999	4% \$170,000 or more

Please tell us how we can improve Dabney State Recreation Area:

See report

Thank you, your input is important! *Please return this survey as soon as possible.*