

Jackson Demonstration State Forest  
Recreation Visitor Survey

*Report Prepared for the California Department of Forestry and  
Fire Protection*

William W. Hendricks, Ph.D.  
Recreation, Parks, & Tourism Administration Department  
California Polytechnic State University

February 2014

## TABLE OF CONTENTS

SECTION	PAGE
Executive Summary.....	1
Introduction .....	3
Methods .....	4
Results .....	6
Visitor Characteristics .....	6
Visitor Attributes .....	14
Facilities & Services Satisfaction.....	25
Managerial Support .....	26
Perceived Problems .....	27
Conditions.....	29
Information Sources .....	29
Other Comments Regarding JDSF .....	32
Conclusions .....	33
Appendixes .....	37
A. Informed Consent .....	38
B. Visitor Survey.....	40
C. JDSF Comments .....	70
Positive Comments .....	71
Personnel .....	72
Maintenance.....	72
Campgrounds.....	73
Recreation Conflict.....	74
Accessibility .....	74
Shooting Range.....	76
Signage, Information & Education.....	76
Other Comments.....	77

## Executive Summary

Personnel from CAL FIRE along with local stakeholders recognized the need for a new recreation management plan to guide use of the forest over the next decade. As a component of these planning efforts, a contract with a researcher at California Polytechnic State University was initiated to conduct a recreation visitor survey during summer 2013.

The visitor survey was developed in collaboration with Jackson Demonstration State Forest (JDSF) managers and with input from members of the Recreation Task Force and the Jackson Advisory Group (JAG). Data were collected on 10 randomly selected weekdays and 20 weekend days during July, August, and September 2013. Researchers used iPads and the survey application Quicktap Survey to administer the study. A total of 402 subjects completed the questionnaire in three general regions of the forest as defined by CAL FIRE.

The subjects were mostly married, white, with at least some college education, about 46 years old, visiting the forest with family, friends, or family and friends. The average group size was about five people. More than 50% of the subjects were Mendocino County residents. Primary recreational activities on the forest included camping, hiking, horseback riding, mountain biking, firearms target shooting, and picnicking.

The findings suggested that visitors are satisfied with most facilities and services and overall conditions are generally acceptable. However, results throughout the survey indicated the need for signage, maintenance of bathrooms, improvements to trail systems, and additional personal and non-personal information services. Support for renovation of the Red School House and a volunteer program was evident. The subjects also desired designated areas for shooting firearms and archery, changes in the camping reservation system, and access to roads.

Crowding on weekends is somewhat of an issue, but weekdays are apparently not considered crowded.

Sources of information about the forest have normally come from personal sources; however, visitors also indicated that they obtain information on the Internet.

The findings of the study provide a basis for a new recreation management plan and highlight areas of concern in addition to those activities, services, and facilities that CAL FIRE is managing well. As demographics in California change and recreation activities evolve, JDSF management will need to continue monitoring its recreation policies, decision-

making, planning, and strategies to manage the complexities of the forest while meeting the visitors' recreation needs and the forest management mandate of this valuable resource.

## **Introduction**

In 1990, CAL FIRE initiated a recreation master plan, in part, based on a 1987 study of visitors to the forest and input from key stakeholders. Demand for recreation opportunities has continued to grow over the past 25 plus years, resulting in recommended actions as stated in the 2008 Jackson Demonstration State Forest (JDSF) Management Plan. Among these recommendations was the creation of a Recreation Task Force, the administration of a visitor use survey, and the development of a new recreation plan for the forest.

CAL FIRE contracted with a researcher from California Polytechnic State University, San Luis Obispo to conduct a visitor survey during summer 2013. The survey was designed following a review of the July 2010 Preliminary Recreation Recommendations of the JDSF Task Force, an excerpt from the January 2011 Jackson Advisory Group (JAG) report on recreation, a review of the 1987 JDSF Recreation Use Needs Study, and consultation with JDSF personnel and input from Recreation Task Force members at a July, 2013 meeting.

This report provides a summary of the research design, methodology, procedures, results, and conclusions of research based on standard social science research protocol. Probability sampling was employed to ensure generalization to a greater population of forest visitors. Ultimately, the purpose of the survey is to provide information regarding forest visitors' characteristics, attitudes, and perceptions that will assist in the development of a recreation plan to serve CAL FIRE JDSF managers and visitors over the next 10 years.

## Methods

In June and July 2013, Cal Poly researchers collaborated with CAL FIRE JDSF staff to develop a recreation visitor survey. Meetings took place in Fort Bragg in July 2013 with CAL FIRE personnel and at Camp One with members of the JDSF Recreation Task Force to discuss the research methodology and to gain additional input regarding development of the survey. The study methodology, including the survey design and sampling procedures for contacting visitors, were reviewed and approved by CAL FIRE. A pilot study took place on the forest on July 5, 2013 at multiple locales with 10 forest visitors to assess the survey's intercept process, clarity, relevancy, accuracy, ease of use, length, flow, and format.

Researchers used an intercept approach to contact visitors at randomly selected predetermined points in the forest such as trailheads and campgrounds in Areas A, B, and C as defined by JDSF personnel. Area A contact points included the junction of Road 500 and the County Road nearest Highway 20, the staging area at the junction of Roads 500 and 600, and the staging area at Road 450 on Simpson Lane. Area B contact points entailed campgrounds and day use areas within Camp One. Area C contact points consisted of campgrounds and day use areas within Camp 20, the junction of Road 200 and Highway 20, and the junction of Road 800 and Highway 20. Days of data collection were also randomly selected with a target of approximately 396 subjects. A sample size of 384 is the social science standard for populations of up to 100 million people. With random probability sampling, this allows generalizations from a sample to a population with a +/- 5% margin of error. Ten weekends (20 days) and 10 weekdays were initially selected between July 6 and October 26, 2013. Due to the prospect of few visitor contacts in the forest in October, random selection of days was revised to conclude data collection prior to September 29. For each day of data collection, the three areas of the forest were randomly assigned to a time block. On 9 of the 10 weekdays, the survey was also available in the JDSF office in Fort Bragg.

Locations of data collection for each day were randomly selected into three time blocks in order to provide visitors during a given day an equal probability of participating in the study. In a single day, data collection occurred in Areas A, B, and C; however the time of the area's selected interval varied based on the random probability sampling procedures.

The three time blocks were 10:00 a.m. - 12:30 p.m., 1:00 p.m. - 3:30 p.m., and 4:00 p.m. - 6:30 p.m. Travel time between areas and a mandatory meal break were built into the day.

Upon contact, visitors were asked their willingness to participate in the study using protocol approved by the Cal Poly Human Subjects Committee (Appendix A). Trained research assistants administered the survey to collect information regarding visitor characteristics, activities, perception, satisfaction, and attitudes regarding JDSF recreation management. For safety reasons, research assistants were always in pairs. Recording of visitor data included a questionnaire (Appendix B) utilizing an iPad and the Quicktap Survey research application. Upon completion of each day of data collection, the researchers uploaded the data to the Internet for subsequent data analysis.

The survey included visitor characteristics such as group composition, sex, age, marital status, annual household income, education, residence, and racial category. Other variables examined involved visitation history and type, recreation activities, perceived crowding, satisfaction with facilities and services, level of support for various managerial actions, perceptions of problems within the forest, acceptability of forest conditions, and information sources. Comments collected from an open-ended item at the conclusion of the survey were grouped into common themes that emerged from this qualitative data.

Descriptive statistics were analyzed for all data collected to provide a profile of visitors and to provide information regarding the variables analyzed that can be applied to the recreation planning needs of JDSF. The analysis utilized IBM SPSS Statistics.

## Results

### *Visitor Characteristics*

The interviews in the forest resulted in data collection from 402 subjects. The subjects were primarily male (57%), married (55%), white (90%), about 46 years old (range 13-80) with some college education or higher (78%) (Tables 1-4). The most frequently selected categories of annual household income were \$40-\$59,999 (24%), less than \$20,000 (19.2%), and \$60,000-\$79,999 (18%) (Table 5).

Table 1  
Sex

	Frequency	Percentage
Male	226	56.78
Female	172	43.22
Total	398	100.00

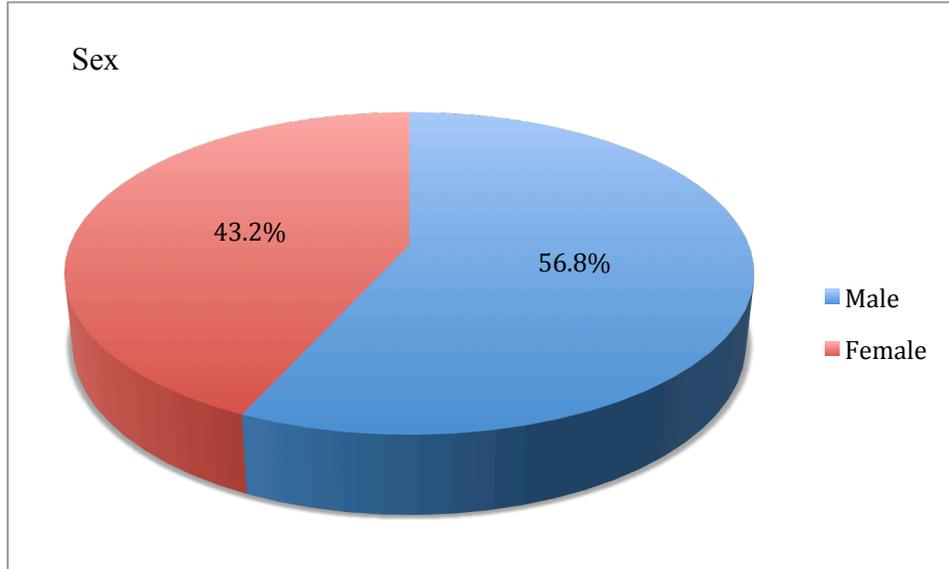


Figure 1. Sex

Table 2  
Marital Status

	Frequency	Percentage
Married (includes separated)	211	54.81
Widowed	9	2.34
Divorced	43	11.17
Never Married	122	31.69
Total	385	100.00

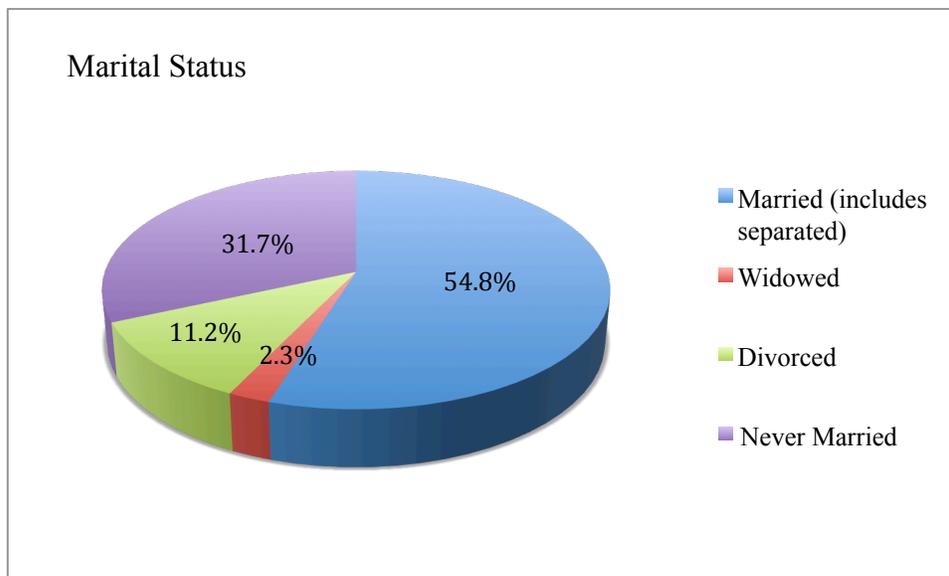


Figure 2. Marital status

Table 3  
Racial Categories

	Frequency	Percent
American Indian or Alaskan Native	3	.78
American Indian or Alaskan Native, White	3	.78
American Indian or Alaskan Native, White, Latino/Hispanic	1	.26
Black or African American, American Indian or Alaskan Native, Other Pacific Islander, Latino/Hispanic, White	1	.26
Black or African American, Korean, Indian, Latino/Hispanic, Filipino	1	.26
Chinese	1	.26
Indian	2	.52
Indian, White	2	.52
Japanese, Other Asian, White, American Indian or Alaskan Native, Indian, Native Hawaiian, Asian Indian	1	.26
Japanese, White	2	.52
Latino/Hispanic	6	1.57
Latino/Hispanic, White	1	.26
Latino/Hispanic, Indian, White	1	.26
Other Pacific Islander	1	.26
Other, White	2	.52
White	346	90.34
Other	9	2.35
Total	383	100.0

*Note:* Ten subjects checked multiple categories

Table 4  
Highest Education Level

Education	Frequency	Percentage	Cumulative %
Less than high school	3	0.78	0.8
Some high school	3	0.78	1.6
High school	80	20.83	22.4
Some college	79	20.57	43.0
2-yr college	56	14.58	57.6
Vocational degree	12	3.13	60.7
4-yr college degree	89	23.18	83.9
Some graduate school	13	3.39	87.2
Completed graduate degree	49	12.76	100.0
Total	384	100.00	

Table 5  
Annual Household Income

Income	Frequency	Percentage	Cumulative %
Less than \$20,000	59	19.16	19.2
\$20,000-\$39,999	32	10.39	29.6
\$40,000-\$59,999	73	23.70	53.3
\$60,000-\$79,999	55	17.86	71.2
\$80,000-\$99,999	33	10.71	81.9
\$100,000-\$149,999	43	13.96	95.9
\$150,000 or more	13	4.22	100.0
Total	308	100.00	
Prefer not to answer	58	14.43	
Non-response	36	8.96	

*Note:* Prefer not to answer and non-response percentages based on N=402

The background of the subjects was ascertained by responses to residence, method of travel to the forest by Mendocino County residents, travel time to the forest by Mendocino County residents, and zip code. Most subjects (94%) responded that they are residents of California (Table 6). Of these 377 subjects, 55% reside in Mendocino County (Table 7).

Table 6  
California Residents

	Frequency	Percent
Yes	377	93.78
No	25	6.22
Total	402	100.00

Table 7  
County Residence

	Frequency	Percent
Mendocino	209	55.44
Other	168	44.56
Total	377	100.00

Most Mendocino County residents indicated that they drove a vehicle to the forest on the day they were contacted (92%) (Table 8) and it took a median time of 20 minutes to travel to the forest (Table 9). Other counties with the highest frequency of visitors contacted were Sonoma County (21%), Lake County (18%), San Francisco County (8%), Contra Costa County (8%), and Sacramento County (7%) (Table 10). Other than California, Nevada was the state most frequently reported residence (1%) (Table 11). Zip codes were most prevalent for Fort Bragg (26%), Mendocino (4%), Ukiah (6%), and Willits (3%) (Table 12).

Table 8  
Mendocino County Residents' Travel to Forest Today

	Frequency	Percent
Hike/walk/run	6	2.90
Bike	7	3.38
Vehicle	190	91.79
Ride horse	4	1.93
Total	207	100.00

Table 9  
Mendocino County Residents' Minutes Travel to Forest Today

	N	Min	Max	Mean	Std. Dev	Median
Travel time	205	0	150	31.39	26.324	20.00

Table 10  
Other County Residence

	Frequency	Percent
Alameda	4	2.56
Bay Area	1	0.64
Butte	8	5.13
Calaveras	1	0.64
Castaic	1	0.64
Contra Costa	12	7.69
El Dorado	2	1.28
Glen	1	0.64
Humboldt	3	1.92
Lake	28	17.95
Los Angeles	1	0.64

Marin	5	3.21
Napa	4	2.56
Nevada	2	1.28
Orange	1	0.64
Placer	1	0.64
Plumas	1	0.64
Sacramento	11	7.05
San Benito	1	0.64
San Diego	2	1.28
San Francisco	12	7.69
San Luis Obispo	1	0.64
San Mateo	1	0.64
Santa Clara	6	3.85
Santa Cruz	4	2.56
Sonoma	32	20.51
Sutter	2	1.28
Trinity	1	0.64
Ventura	1	0.64
Yolo	1	0.64
Yuba	5	3.21
Total	156	

Table 11  
State or Country Other than California

	Frequency	Percent
Alberta Canada	2	0.50
Colorado	2	0.50
England	1	0.25
Florida	1	0.25
Hawaii	1	0.25
Michigan	2	0.50
Nevada	5	1.24
New Jersey	1	0.25
New York	3	0.75
Australia	1	0.25
Oregon	4	1.00
Utah	2	0.50

*Note:* Percentages based on N=402

Table 12  
Zip Code for U.S. Citizens

Zip Code	Location	Frequency	Percent
10465	Bronx, NY	1	0.28
11231	Brooklyn, NY	1	0.28
34285	Venice, FL	1	0.28
49635	Frankfort, MI	2	0.55
80443	Frisco, CO	1	0.28
81428	Paonia, CO	1	0.28
84074	Tooele, UT	1	0.28
84096	Herriman, UT	1	0.28
84761	Parowan, UT	1	0.28
89048	Pahrump, NV	1	0.28
89431	Sparks, NV	2	0.55
89511	Reno, NV	2	0.55
90291	Venice, CA	1	0.28
91320	Newbury Park, CA	1	0.28
91384	Castaic, CA	2	0.55
91716	City of Industry, CA	1	0.28
91762	Ontario, CA	1	0.28
92078	San Marcos, CA	1	0.28
92692	Mission Viejo, CA	1	0.28
93446	Paso Robles, CA	1	0.28
94041	Mountain View, CA	1	0.28
94103	San Francisco, CA	2	0.55
94110	San Francisco, CA	1	0.28
94112	San Francisco, CA	1	0.28
94114	San Francisco, CA	2	0.55
94118	San Francisco, CA	2	0.55
94127	San Francisco, CA	1	0.28
94301	Palo Alto, CA	1	0.28
94306	Palo Alto, CA	1	0.28
94401	San Mateo, CA	1	0.28
94515	Calistoga, CA	2	0.55
94521	Concord, CA	1	0.28
94523	Pleasant Hill, CA	2	0.55
94537	Fremont, CA	1	0.28
94538	Fremont, CA	1	0.28
94542	Hayward, CA	1	0.28
94546	Castro Valley, CA	1	0.28
94549	Lafayette, CA	1	0.28
94553	Martinez, CA	4	1.10
94558	Napa, CA	2	0.55
94560	Newark, CA	2	0.55
94582	San Ramon, CA	2	0.55

---

94596	Walnut Creek, CA	1	0.28
94610	Oakland, CA	1	0.28
94612	Oakland, CA	2	0.55
94618	Oakland, CA	2	0.55
94903	San Rafael, CA	2	0.55
94928	Rohnert Park, CA	5	1.38
94930	Fairfax, CA	1	0.28
94941	Mill Valley, CA	2	0.55
94945	Novato, CA	1	0.28
94951	Penngrove, CA	1	0.28
94952	Petaluma, CA	1	0.28
95060	Santa Cruz, CA	2	0.55
95062	Santa Cruz, CA	1	0.28
95073	Soquel, CA	1	0.28
95130	San Jose, CA	1	0.28
95136	San Jose, CA	1	0.28
95252	Valley Springs, CA	1	0.28
95403	Santa Rosa, CA	3	0.83
95404	Santa Rosa, CA	1	0.28
95405	Santa Rosa, CA	2	0.55
95407	Santa Rosa, CA	2	0.55
95409	Santa Rosa, CA	1	0.28
95410	Albion, CA	5	1.38
95420	Caspar, CA	6	1.66
95422	Clearlake, CA	6	1.66
95425	Cloverdale, CA	1	0.28
95426	Cobb, CA	1	0.28
95427	Comptche, CA	1	0.28
95432	Elk, CA	2	0.55
95437	Fort Bragg, CA	95	26.24
95442	Glen Ellen, CA	4	1.10
95443	Glenhaven, CA	2	0.55
95448	Healdsburg, CA	2	0.55
95449	Hopland, CA	2	0.55
95451	Kelseyville, CA	3	0.83
95453	Lakeport, CA	4	1.10
95454	Laytonville, CA	2	0.55
95456	Little River, CA	8	2.21
95457	Lower Lake, CA	3	0.83
95458	Lucerne, CA	1	0.28
95460	Mendocino, CA	13	3.59
95461	Oakley, CA	1	0.28
95466	Philo, CA	1	0.28
95469	Potter Valley, CA	7	1.93
95470	Redwood Valley, CA	7	1.93
95471	Rio Nido, CA	1	0.28

---

95472	Sebastopol, CA	5	1.38
95481	Talmage, CA	1	0.28
95482	Ukiah, CA	23	6.35
95485	Upper Lake, CA	5	1.38
95490	Willits, CA	12	3.31
95492	Windsor, CA	2	0.55
95493	Witter Springs, CA	1	0.28
95502	Eureka, CA	1	0.28
95521	Arcata, CA	1	0.28
95537	Fields Landing, CA	1	0.28
95563	Salyer, CA	1	0.28
95610	Citrus Heights, CA	1	0.28
95630	Folsom, CA	3	0.83
95650	Loomis, CA	1	0.28
95662	Orangevale, CA	1	0.28
95695	Woodland, CA	1	0.28
95726	Pollock Pines, CA	2	0.55
95820	Sacramento, CA	2	0.55
95821	Sacramento, CA	2	0.55
95823	Sacramento, CA	1	0.28
95843	Antelope, CA	2	0.55
95901	Marysville, CA	1	0.28
95918	Browns Valley, CA	2	0.55
95926	Chico, CA	3	0.83
95948	Gridley, CA	2	0.55
95959	Nevada City, CA	2	0.55
95961	Olivehurst, CA	2	0.55
95973	Chico, CA	1	0.28
95988	Willows, CA	1	0.28
95993	Yuba City, CA	2	0.55
96129	Beckwourth, CA	1	0.28
96788	Pukalani, HI	1	0.28
97045	Oregon City, OR	1	0.28
97217	Portland, OR	1	0.28
97405	Pleasant Hill, OR	1	0.28
97534	O Brien, OR	1	0.28
99563	Port Alsworth AK	1	0.28
Total		362	100.00

### *Visit Attributes*

The subjects also provided information regarding their visit(s) to the forest. Contacts made in Areas A, B, and C approximated thirds of the sample with most subjects contacted in Area B (37%) (Table 13). Approximately  $\frac{3}{4}$  of the subjects were in groups of family (31%), friends (23%), or friends and family (21%) (Table 14). Slightly more subjects (53%) were

staying overnight than visiting the forest for day use (47%) (Table 15). The average group size was approximately 5 individuals, comprised of two females, three males, with about 4 adults and one child. Groups ranged in size from 1 to 40 individuals (Table 16).

Table 13  
Location of Contact

	Frequency	Percentage
Area A Jct Rd 500 Hwy 20; Jct 500/600; Rd 450/Simpson	121	30.10
Area B Camp One Area	148	36.82
Area C Camp 20 Area; Jct 200/Hwy 20; Jct 800/Hwy 20	133	33.08
Totals	402	100.00

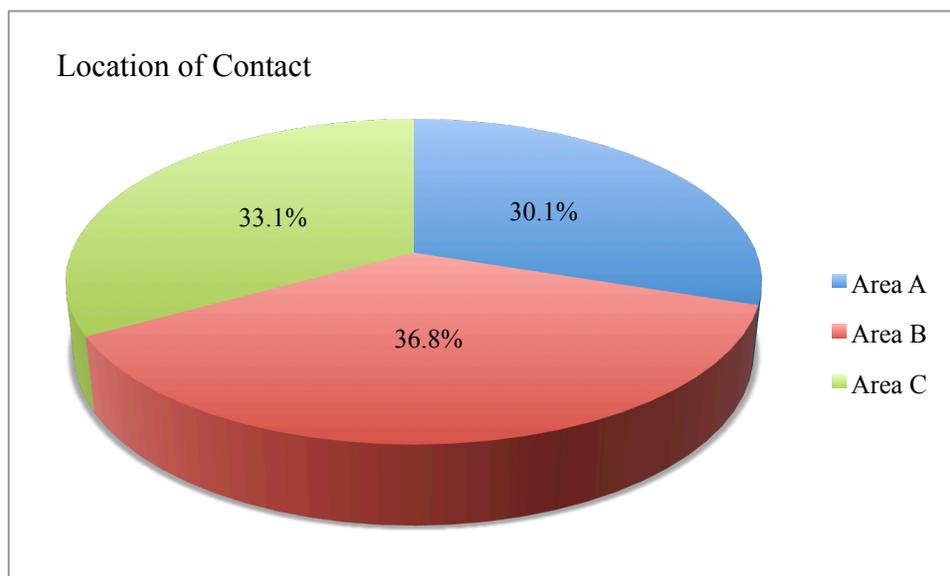


Figure 3. Location of contact

Table 14  
Group Composition

	Frequency	Percentage
Family	124	30.85
Friends	94	23.38
Family & friends	84	20.90
Self	53	13.18
Club/Organization	31	7.71
School group	1	0.25
Other	15	3.73
Total	402	100.00

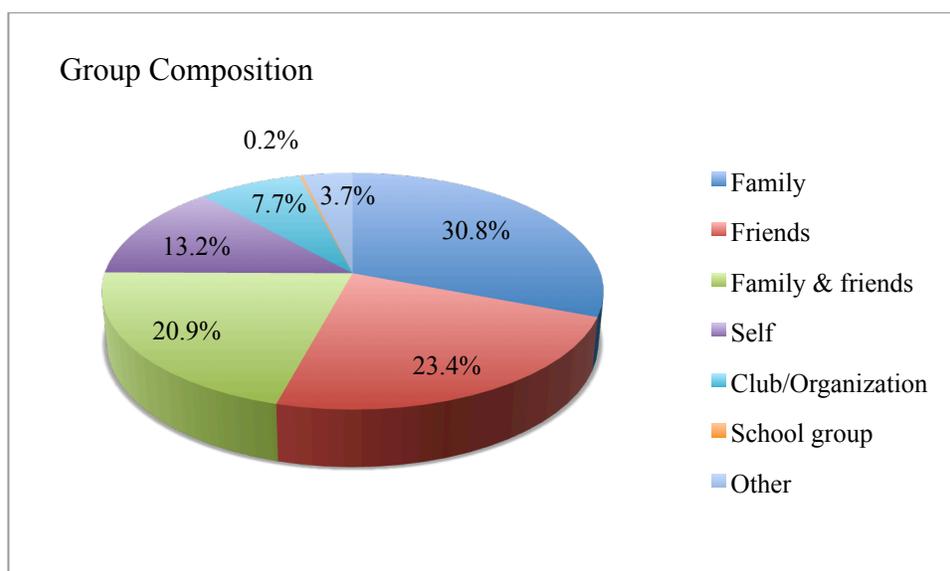


Figure 4. Group composition

Table 15  
Staying Overnight in Forest or Day Use

	Frequency	Percent
Overnight	213	52.99
Day Use Visitor	189	47.01
Total	402	100.00

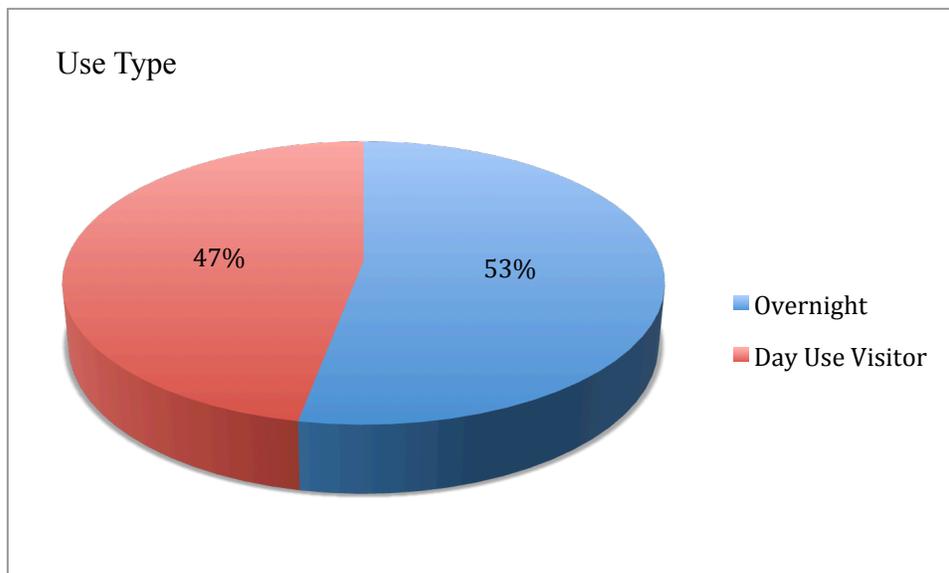


Figure 4. Use type

Table 16  
Group Demographics

	Min	Max	Mean	Std Dev
How many people are in your group today?	1	40	5.41	7.645
How many adults?	1	34	4.56	6.721
How many children under the age of 18?	0	12	.86	1.856
How many females are in your group?	0	20	2.26	3.160
How many males are in your group?	0	29	3.00	4.751

The subjects reported median visits to the forest of one time per month and six times annually. The average number of visits to the forest in a month is about four times. The overnight visitors are staying an average of nearly four nights, but the median number of nights is only two. Day use visitors reported planning to stay in the forest four hours. The subjects visit forests, parks, and outdoor recreation areas a median of 27 times annually. Caution should be used in relying on mean scores in Table 17 due to the large standard deviations for some items. The majority of overnight visitors contacted were staying at Horse Camp (15%) or South Fork sites 1-3 (13%) (Table 18).

Table 17  
Visitation Patterns

	N	Mean	Median	Std. Deviation
On average, days each month visit this forest	385	4.40	1.00	7.370
On average days each year visit this forest	398	40.27	6.00	77.994
During past 12 months, times visit a forest, park or outdoor recreation area	401	75.86	27.00	103.044
Hours plan to stay in forest today	185	4.10	4.00	2.563
Nights staying in forest	209	3.83	2.00	7.639

Table 18  
Campsite Selection

Campsite	Frequency	Percent
Camp One Area	17	7.46
Tin Can	17	7.46
Trillium	12	5.26
Teachers	6	2.63
Wagon	10	4.39
Tilley Group Camp	15	6.58
Roundhouse	17	7.46
South Fork 1-3	29	12.72
South Bend	1	0.44
Redtail (horse)	16	7.02
Volcano (hike-in)	2	0.88
Camp 20 Area	3	1.32
Dunlap Camp	15	6.58
Horse Camp	35	15.35
Big River Camp	16	7.02
Don't know yet	17	7.46
Total	228	100.00

*Note:* Nine subjects indicated multiple campsites; Four subjects checked staying overnight, but indicated 0 nights

When visiting the forest, most subjects reported that they usually camp (50%), hike (49%), picnic (31%), and sightsee (28%) (Table 19). They were also asked about their usual primary activity in the forest. The most frequent responses were camping (27%), hiking (16%), horseback riding (12%), mountain biking (11%), target shooting with firearms (10%), and picnicking (8%) (Table 20).

Table 19  
Usual Activities in Forest

	Frequency	Percentage
Hiking	198	49.25
Backpacking	31	7.71
Camping	201	50.00
Hike-in camping	15	3.73
Picnicking	124	30.85
Horseback riding	58	14.43
Mountain biking	71	17.66
Road biking	16	3.98
Jogging/running	18	4.48
Sightseeing	114	28.36
Driving for pleasure on hwy	33	8.21
Driving for pleasure dirt roads	30	7.46
Wildlife viewing	65	16.17
Bird watching	43	10.70
Photography	73	18.16
Mushroom picking	31	7.71
Firewood cutting	26	6.47
Hunting	30	7.46

---

Target shooting with firearms	53	13.18
Archery	15	3.73
Motorcycle riding	22	5.47
Wildflower viewing	36	8.96
Plant identification	30	7.46
Swimming	63	15.67
<i>Other Activities</i>		
Archery	1	0.25
Abalone diving	4	1.00
Bathroom	1	0.25
Bbq/cooking	5	1.24
Beach	1	0.25
Camping	4	1.00
Conditioning horses	1	0.25
Dirt biking	1	0.25
Diving	2	0.50
Drinking	7	1.74
Enjoying nature/outdoors	2	0.50
Exploring	1	0.25
Firearms education (teacher)	1	0.25
Fisheries work	1	0.25
Fishing	10	2.49
Fishing & karaoke	1	0.25
Frisbee	1	0.25
Games	2	0.50
Games, food, fun	1	0.25
Good times	1	0.25

---

---

Habitat monitoring	1	0.25
Hiking	6	1.49
Horseback riding event	1	0.25
Horse drawn carriage	1	0.25
Horseshoes	1	0.25
Huckleberry picking	1	0.25
Hunting	1	0.25
Kayaking	1	0.25
Meditating	1	0.25
Ohv	1	0.25
Party	2	0.50
Passing through	1	0.25
Peace	1	0.25
Ping Pong	1	0.25
Play with dog	1	0.25
Playing	1	0.25
Playing in creek	1	0.25
Poker	2	0.50
Reading	1	0.25
Relaxing	3	0.75
Relaxing in hammock	1	0.25
Rest	1	0.25
Sca fighter practice	3	0.75
School work	2	0.50
Scout camp	1	0.25
Scuba	1	0.25
Sex	2	0.50

---

Shooting	11	2.74
Sightseeing	1	0.25
Slack lining	1	0.25
Sports	1	0.25
Star gazing	1	0.25
Surfing	1	0.25
Sunsets	1	0.25
Swim	2	0.50
Teaching horse riding	1	0.25
Time with friends	1	0.25
Travel to coast	1	0.25
Walk	1	0.25
Walking dog(s)	7	1.74
Water recreation	1	0.25
Working	1	0.25
Youth development	1	0.25
12 rules of the water	1	0.25

*Note:* Subjects chose all that apply; Percentages based on N=402

Table 20  
Usual Primary Activity During JDSF Visit

	Frequency	Percent
Hiking	62	15.62
Backpacking	2	0.50
Camping	106	26.70
Picnicking	33	8.31
Horseback riding	47	11.84
Mountain biking	44	11.08

---

Road biking	1	0.25
Jogging/running	1	0.25
Sightseeing	13	3.27
Driving for pleasure hwy	5	1.26
Driving for pleasure dirt roads	3	0.76
Wildlife viewing	2	0.50
Bird watching	2	0.50
Mushroom picking	1	0.25
Firewood cutting	1	0.25
Hunting	3	0.76
Target shooting w/ firearms	38	9.57
Archery	2	0.50
Motorcycle riding	3	0.76
Plant identification	2	0.50
Swimming	6	1.51
<i>Other Primary Activity</i>		
Abalone diving	2	0.50
Diving	1	0.25
Exploring	1	0.25
Fighting	1	0.25
Habitat monitoring	1	0.25
Logging	1	0.25
Medieval reenactment	1	0.25
Meditating	1	0.25
Passing through	1	0.25
Sca fighting training	1	0.25
Shooting	2	0.50

---

Taking a break from driving	1	0.25
Visiting with friends	1	0.25
Walk dog	1	0.25
Walking	1	0.25
Water activities	1	0.25
Work	2	0.50

*Note:* Percentages based on N=397; five subjects did not respond to this question

A standard 9-point crowding scale from 1 = “not at all crowded” to 9 = “extremely crowded” was utilized to determine perceptions of crowding on weekdays and weekends (Table 21 and Table 22). It is common in outdoor recreation literature to treat the scale as a dichotomous variable of 1-2 “not at all crowded” and 3-9 crowding experienced (van Ripper, Manning, & Reigner, 2010). Approximately 21% of the subjects perceived some level of crowding on weekdays (rating of 3 through 9) whereas 47% reported perceptions of crowding on weekends. Weekdays and weekends mean scores for crowding were 1.83 and 3.01 respectively (Table 23).

Table 21  
Crowding by Mean Score

	N	Mean	Std. Dev	Median
Weekdays	369	1.83	1.540	1.00
Weekends	381	3.01	2.177	2.00

Table 22  
Crowding Weekdays by Frequency

	Frequency	Percent	Cumulative Percent
1 Not at all crowded	246	66.67	61.7
2	47	12.74	79.4
3 Somewhat crowded	35	9.49	88.9
4	9	2.44	91.3
5	4	1.08	92.4
6 Moderately crowded	24	6.50	98.9
7	1	0.27	99.2
8	2	0.54	99.7
9 Extremely crowded	1	0.27	100.0
Total	369	100.00	

Table 23  
Crowding Weekends by Frequency

	Frequency	Percent	Cumulative Percent
Not at all crowded	148	38.85	38.8
2	53	13.91	52.8
Somewhat crowded	53	13.91	66.7
4	23	6.04	72.7
5	20	5.25	78.0
Moderately crowded	63	16.54	94.5
7	8	2.10	96.6
8	10	2.62	99.2
Extremely crowded	3	0.79	100.0
Total	381	100.00	

### *Facilities & Services Satisfaction*

The subjects were asked to indicate their satisfaction with 21 items relating to facilities and services at JDSF (Table 24). They responded using a 5-point scale of 1 “very dissatisfied” 2 “dissatisfied” 3 “neither satisfied nor dissatisfied” 4 “satisfied” and 5 “very satisfied.” A don’t know option was also available. The highest satisfaction mean scores were for availability of parking at campsites ( $\bar{x} = 4.15$ ), total mileage of trails ( $\bar{x} = 4.07$ ), areas for large groups in day use areas ( $\bar{x} = 4.04$ ), areas for large groups in campgrounds ( $\bar{x} = 3.97$ ), number of loop trails ( $\bar{x} = 3.94$ ), process for self-registration camping fees ( $\bar{x} = 3.91$ ), and accessible trailheads to enter the forest ( $\bar{x} = 3.90$ ). The lowest satisfaction mean scores were signs posting trail information ( $\bar{x} = 3.22$ ), signs posting educational information ( $\bar{x} = 3.25$ ), printed information about recreational opportunities on the forest ( $\bar{x} = 3.34$ ), Educational/interpretive programs on the forest ( $\bar{x} = 3.36$ ), and online information about recreational opportunities on the forest ( $\bar{x} = 3.37$ ).

Table 24  
Satisfaction w/ Facilities & Services by Mean Score

	Mean	Std. Deviation
Availability of parking at campsites	4.15	0.726
Total mileage of trails	4.07	0.759
Areas for large groups in day use areas	4.04	0.622

Areas for large groups in campgrounds	3.97	0.72
Number of loop trails	3.94	0.996
Process for self-registration camping fees	3.91	0.839
Accessible trailheads to enter the forest	3.90	0.832
Camping facilities for equestrians	3.85	0.801
Enforcement of rules and regulations	3.78	0.787
Permit process for firewood cutting	3.78	0.691
Permit process for mushroom picking	3.77	0.691
Frequency of law enforcement patrols	3.69	0.866
Camping fee of \$15 per night	3.68	1.016
Permit process for special use events	3.68	0.803
Availability of trash receptacles	3.60	1.016
Accessibility for individuals with disabilities	3.52	1.028
Online information about recreational opportunities on the forest	3.37	1.221
Educational/interpretive programs on the forest	3.36	1.065
Printed information about recreational opportunities on the forest	3.34	1.118
Signs posting educational information	3.25	1.108
Signs posting trail information	3.22	1.208

---

### *Managerial Support*

Level of support for 12 managerial actions was assessed using a 5-point scale of 1 “strongly oppose” 2 “oppose” 3 “neutral” 4 “support” and 5 “strongly support” (Table 25). The subjects could also choose an option on “no opinion.” Support for managerial actions with the highest mean scores were create a formal volunteer program ( $\bar{x} = 4.10$ ), designate area for archery target shooting ( $\bar{x} = 4.05$ ), restoration of the Red Schoolhouse ( $\bar{x} = 4.02$ ), and install educational signs along the demonstration trails ( $\bar{x} = 3.97$ ). The least amount of support was indicated for no development of additional recreation facilities ( $\bar{x} = 2.88$ ) build a visitors’ center ( $\bar{x} = 3.25$ ) and designate trails for single use ( $\bar{x} = 3.58$ ).

Table 25  
Support Managerial Actions by Mean Score

	Mean	Std. Deviation
Create a formal volunteer program	4.10	0.66
Designate area for archery target shooting	4.05	0.905
Restoration of the Red Schoolhouse	4.02	0.769
Install educational signs along the demonstration trails	3.97	0.769
Develop horse trailer parking	3.80	0.888
Designate trails for multiple use	3.77	0.932
Develop water facilities for horses on trails	3.77	0.937
Designate areas or zones of the forest for specific use	3.70	0.965
Designate area for firearms target shooting	3.69	1.361
Designate trails for single use (e.g. only mtn. biking)	3.58	1.137
Build a visitors center	3.25	1.18
No development of additional recreation facilities	2.88	1.225

### *Perceived Problems*

Problems that occur in the forest were examined by asking the subjects to rate the level of 19 potential issues during their current visit to the forest (Table 26). The problems were measured with a 4-point scale of 1 “not a problem” 2 “slight problem” 3 “moderate problem” and 4 “big problem.” The subjects could also select not applicable. Problems rated between a slight problem and moderate problem included conflicts between equestrians and hikers ( $\bar{x} = 2.62$ ), vault/pit toilets that need cleaning ( $\bar{x} = 2.37$ ), roadside dumping of

garbage in the forest including abandoned vehicles ( $\bar{x} = 2.28$ ), litter along a trail, at a campsite, or at picnic area ( $\bar{x} = 2.08$ ), and vandalism to forest facilities/resources ( $\bar{x} = 2.04$ ). The lowest rated problems were encountering large groups of people on a trail ( $\bar{x} = 1.28$ ), noise of visitors/campers ( $\bar{x} = 1.40$ ), conflicts between mountain bikers and hikers ( $\bar{x} = 1.51$ ), and discourteous behavior of visitors/campers ( $\bar{x} = 1.51$ ).

Table 26  
Problems by Mean Score

	Mean	Std. Deviation
Conflicts between equestrians and hikers	2.62	1.811
Vault/pit toilets that need cleaning	2.37	1.088
Roadside dumping, garbage in forest including abandoned vehicles	2.28	1.161
Litter along a trail, at a campsite, or at picnic area	2.08	1.022
Vandalism to forest facilities/resources	2.04	1.118
Conflicts between timber management and recreation use	1.90	1.032
Target shooting at appliances, trees, etc.	1.90	1.089
Conflicts between off-highway vehicles and other forest visitors	1.86	1.028
Illegal off-highway vehicle use	1.83	1.045
Human waste along a trail or at a campsite	1.80	1.019
Illegal camping	1.73	0.984
Conflicts between equestrians and mountain bikers	1.67	0.972
Evidence of illegal campfires	1.65	0.923
Parties in the forest	1.63	0.964
Camping too close to other campers	1.60	0.88
Discourteous behavior of visitors/campers	1.51	0.85
Conflicts between mountain bikers and hikers	1.51	0.864
Noise of visitors/campers	1.40	0.742
Encountering large groups of people (8+ people in a group) on a trail	1.28	0.625

### *Conditions*

The subjects also rated the acceptability of six conditions of facilities at JDSF (Table 27). Acceptability was measured using a 5-point scale of 1 “totally unacceptable” 2 “unacceptable” 3 “marginal” 4 “acceptable” and 5 “totally acceptable.” A don’t know option was also available. Conditions rated above the acceptable level were overall conditions of campsites ( $\bar{x} = 4.08$ ), and overall conditions of trails ( $\bar{x} = 4.07$ ). Conditions rated the lowest were vault/pit toilets ( $\bar{x} = 3.28$ ), and general information signage ( $\bar{x} = 3.39$ ).

Table 27  
Conditions by Mean Score

	Mean	Std. Deviation
Overall condition of campsites	4.08	0.56
Overall condition of trails	4.07	0.585
Overall condition of day use areas	3.98	0.651
Overall condition of dirt/fire roads	3.92	0.673
General information signage	3.39	1.053
Vault/pit toilets	3.28	1.123

### *Information Sources*

In order to determine how the subjects first learned about the forest and to identify sources of information they utilize for recreation information two questions were asked. The subjects could select all sources that applied to them and they had the option of listing other sources. Most subjects first learned about the forest from friends or family (37%), because they are local residents (36%), through word of mouth (18%), and by driving by on highway 20 (18%) (Table 28). The subjects mostly obtain recreation information about the forest by just showing up to recreate (34%), from friends or family (31%), through word of mouth (17%), and because they are local residents (15 %) (Table 29).

Table 28  
How First Learn About Forest

	Frequency	Percent
Friends or family	149	37.06
Word of mouth	73	18.16
At a hotel/motel/b&b	3	0.75
Driving by on hwy 20	72	17.91
Magazine	5	1.24
Newspaper	4	1.00
Radio	2	0.50
CAL FIRE office	5	1.24
CAL FIRE website	18	4.48
I'm a local resident	144	35.82
<i>Learn From Other Sources</i>		
Unsure	1	.25
Free camping in Fort Bragg	1	.25
AAA and other maps	1	.25
Accidentally found online	1	.25
Came w/friends-horse camping	1	.25
Camping book	1	.25
Camping in CA -Steinstra	1	.25
CCC	1	.25
Drive by	1	.25
Endurance equestrian competition	1	.25
Endurance ride	2	.50
Endurance ride in late 70s	1	.25
Exploring	1	.25
Family reunion	3	.75
Freecamping.net	2	.50
Friend	1	.25
Friend found by accident	1	.25
Google	3	.75
Googled "free camping near Fort Bragg"	1	.25
Grew up here	4	1.00
Map	1	.25
Mendotrails.com	1	.25
Mountain bikers club	1	.25
Murphy Macks Mtb Madness	1	.25
Outdoor blog	1	.25
Paper	1	.25
Passing through	1	.25
Ricochet Ridge Ranch	1	.25
Semi annual trip relocated from Paul Demmicj to this location	1	.25
So quiet	1	.25

Tv?	1	.25
Web	4	1.00
Website	1	.25
Worked For Cal Fire	2	.50

*Note:* Subjects chose all that apply; Percentages based on N=402

Table 29  
How Obtain Information about Forest

	Frequency	Percent
Friends or family	123	30.60
Word of mouth	69	17.16
At a hotel	4	1.00
I just show up to recreate	135	33.58
I'm a local resident	62	15.42
Magazine	0	0.0
Newspaper	4	1.00
CAL FIRE office	32	7.96
CAL FIRE website	42	10.45
Other website	41	10.20
<i>Other Information Sources</i>		
3rd party map	1	0.25
Beachcomber	1	0.25
Camping book	1	0.25
CCC	1	0.25
Couldn't find	1	0.25
Educational info at Camp 20	1	0.25
Equestrian event	1	0.25
Family reunion newsletter	1	0.25
Freecamping.net	1	0.25
Friends	1	0.25
Friends And family	1	0.25
Google	2	0.50
Jackson Demonstration Forest	1	0.25
Map(s)	2	0.50
Maps and books	1	0.25
Mendo Bike Sprite	1	0.25
Mendo Coast Cyclists Website & Listserve	1	0.25
National Parks	1	0.25
Online	1	0.25
Pamphlet	1	0.25
Passing through	1	0.25
Radio	1	0.25
Random website	1	0.25
Ride manager	1	0.25

Web	4	1.00
Www.horse-vacation.com	1	0.25

*Note:* Subjects chose all that apply; Percentages based on N=402

### *Other Comments Regarding JDSF*

At the conclusion of the survey, the subjects were asked, “what other comments about JDSF would you like to share? Responses were categorized by themes that emerged from the responses to this question. Nine categories were identified: (a) positive comments, (b) personnel, (c) maintenance, (d) campgrounds, (e) recreation conflict, (f) accessibility, (g) shooting range, (h) signage, information, and education, and (i) other comments. The complete list of comments can be found in Appendix C.

Positive comments focused on several forest attributes. Frequent responses included the beauty of the forest, and place attachment expressions such as “great place,” “like it,” and “love it.” The subjects also remarked positively about the campgrounds.

Both positive and negative comments were expressed regarding personnel. The need for camp hosts was a common theme stated. CDF personnel received both negative comments and praise.

Maintenance comments focused on daily operations. Frequent complaints about litter and cleanliness of bathrooms were uttered. Many of these statements were directed at the day use area at Camp 20.

Numerous suggestions were provided regarding the campgrounds. Requests for water were frequent, along with a reservation system, changes in car and stay limits, more space between campsites, and horse specific campgrounds. Specific facility suggestions included bathrooms and showers in campgrounds. Comments about fees indicated the fees should match the facilities and services offered.

A limited number of comments addressed recreation conflict. Most of the conflict comments were directed toward dirt bikes.

Accessibility suggestions focused primarily on access to roads and trails. A number of visitors would like the forest to be opened up more for off-road vehicles. Mountain biking benefits and growth were also mentioned. A few comments were specific to locals and their accessibility. The need to access the forest for firewood was prevalent as was the desire to maintain the forest in its natural state.

Suggestions for a shooting range were frequent. A designated space for firearms and shooting is a widespread theme among these comments.

Themes that emerged under the category of signage, information and education represented the need for a more comprehensive communications and information system. There was a call for more general information signs, trail signs, and educational signs. Maps and additional Internet information sources have also been stated as a need. Moreover, specific educational programs on the forest that incorporate personal and non-personal services are deemed important.

A variety of other comments were offered as responses. The diversity of these statements included interactions with the research assistants, length of the survey, over regulating, emergency procedures, logging, and dumping.

## Conclusions

Visitors to JDSF display specific characteristics that should assist in the development of a comprehensive recreation plan for the forest. The results suggest residents of Mendocino County and neighboring counties are the most frequent users of the forest. They usually visit the forest with family, friends or family and friends. Most locals drive a vehicle to the forest and travel within a 20-minute radius. In examining mean and median scores of monthly and annual visitation it appears that about 50% of the visitors comprise a high percentage of the use.

Participation in recreation is fairly traditional for natural resources based activities. The most frequent participation is camping, hiking, picnicking, and sightseeing. However, it should be noted that the forest is also used on a fairly frequent basis for a variety of passive and active recreational pursuits including mountain biking, horseback riding, photography, wildlife viewing, swimming, and firearms target shooting. Primary recreation activities were camping, hiking, mountain biking, horseback riding, firearms target shooting, and picnicking.

The subjects in the study perceive the weekends to be somewhat crowded when visiting the forest. JDSF management should carefully monitor this perception. The change to a fee structure in the campgrounds in 2012 is still a relatively new management strategy. It is highly likely that visitation will continue to increase, as the forest becomes better known as a destination throughout Northern California.

Due to the potential for recreation conflict and conflict among recreationists and forest management activities, JDSF management should consider zoning of the forest to manage activities, distribute use, meet the needs of various stakeholders, and reduce the potential for conflict. Several models are utilized by other land management agencies including the Recreation Opportunity Spectrum approach of the USDA Forest Service.

Overall, the results of the study indicate satisfaction with most facilities and services. Exceptions to these findings appear to revolve around access to the roads, signage, and the availability of educational resources and other information both while visiting the forest and online prior to a visit. Increasingly visitors to natural areas plan their visits solely based on online information. Strategic adoption of media can aid in planning for use during high, low, and shoulder seasons, and can help distribute visitation to preferred areas of the forest.

Adoption of a reservation system for camping is another management strategic that should be investigated as a means of managing use and serving campers.

The subjects express their support for several potential managerial actions. Although substantial support for a visitors' center is lacking, there is support for restoration of the Red School House. The schoolhouse is an important historical feature on the forest and apparently visitors appreciate the rich history of the region. Support is also evident for the development of formal volunteer programs. Volunteers can be an effective means of assisting with information programs, resource management and forest maintenance, and meet the needs of key stakeholders. Support for an archery shooting area is also evident as is the aforementioned firearms shooting area. There is also support for improvement of trail systems and resources with will assist horseback riders when using the trails.

In most outdoor recreation studies that measure perceived problems and impacts, subjects normally do not recognize some issues that managers have identified. The results of this study support this assertion. Conflict between equestrians and hikers is perceived as a slight to moderate problem. The subjects similarly rate problems related to maintenance including cleanliness of bathrooms, roadside dumping, litter, and vandalism. While recognizing that resources and staffing is stretched thin for JDSF personnel, the potential of preventative maintenance to underscore some of these issues cannot be overstated.

The acceptability of conditions on the forest relating to facilities and services is near acceptable or above acceptable for four of six items measured. Areas that need attention as indicated throughout the study concern bathrooms and signage.

Visitors receive information about the forest primarily through personal sources such as friends or family, word of mouth, and because of knowledge obtained by being a local resident. However, it should be noted that approximately 10% of the visitors also attain information about the forest through the Internet. As mentioned previously communication strategies should incorporate personal and non-personal services and incorporate various media as distribution channels and a management strategy.

A few limitations were present in the study. Data collection only took place during the months of July, August, and September 2013. Thus individuals that prefer to visit the forest during less crowded times of the year may not be represented. The original data collection plan included the month of October, but because of recreation facility closures on

the forest commencing in October, the sampling procedures were revised. Furthermore, due to very low contact numbers at some locations in the forest, it was difficult to obtain a sample that would include these less frequented areas. Similarly, data collection occurred between 10:00 a.m. and 6:30 p.m., the timeframe when an efficient and effective sample could be reached. It is possible that some early morning or late evening day-use visitors were not captured in the sample. Finally, in one case, the researchers contacted a group of Spanish speaking visitors at the Camp One day use area. They declined to participate in the study. This may have been due to the English only version of the questionnaire.

As is the case with any comprehensive recreation management plan, a visitor survey is only one source of valuable information. CAL FIRE JDSF personnel should continue discussions with local interest groups including JAG and the Recreation Task Force as the recreation plan is developed. The expressed desires of visitors to the forest are important, as recreation management continues to be considered with the overall forest management priorities and planning of JDSF.

## Appendixes

Appendix A  
Informed Consent Form

## **Informed Consent Form**

### ***Informed Consent to Participate in a Research Project: Jackson Demonstration State Forest Recreation User Survey***

A research project on recreation use of Jackson Demonstration State Forest is being conducted by Dr. Bill Hendricks in the Department of Recreation, Parks & Tourism Administration at Cal Poly, San Luis Obispo. The purpose of the study is to conduct a survey that will provide visitor profile and use information that can be incorporated into the development of a short and long-term recreation plan for the Forest.

You are being asked to take part in this study by completing an oral survey. A research assistant will record your responses electronically into a survey form utilizing an iPad. Your participation will take approximately 10 minutes. Please be aware that you are not required to participate in this research and you may discontinue your participation at any time without penalty. You may also decline to respond to any questions on the questionnaire that you prefer not to answer.

There are no risks anticipated with participation in this survey. Your responses will be provided anonymously to protect your privacy. Potential benefits associated with the study include assisting in the development of a recreation plan that will address the needs and demands of current and future visitors to the forest.

If you have questions regarding this study or would like to be informed of the results when the study is completed, please feel free to contact Dr. Bill Hendricks at 805-756-1246 or [whendric@calpoly.edu](mailto:whendric@calpoly.edu). If you have concerns regarding the manner in which the study is conducted, you may contact Dr. Dean Wendt, Interim Dean of Research, at (805) 756-1508, [dwendt@calpoly.edu](mailto:dwendt@calpoly.edu).

If you agree to voluntarily participate in this research project as described, please indicate your agreement by responding to the questions asked by the researcher. Please retain this consent cover form for your reference, and thank you for your participation in this research.

Appendix B  
Visitor Survey

## Questions

Question Id Question Type

Question Text [Hide All Details]

Mandatory

1 Text Display

Jackson Demonstration State Forest Recreation Survey [Hide Details]

Display Text: Hello my name is ... I am working for Cal Poly as a research assistant on behalf of Cal Fire. Would you please consider participating in a visitor survey to aid in the development of a recreation plan for the Jackson Demonstration State Forest? Your participation will take approximately 10 minutes. Please read the informed consent letter that I am providing you to voluntarily participate in the survey.

Button Text: CONTINUE

2 Number

Subject ID [Hide Details]

Max Characters: 4

3 Date Picker

Date &amp; Time of Contact [Hide Details]

Min Date: 07/05/2013

Max Date: 10/27/2013

4 Multiple Choice - Single Answer

Location of Contact [Hide Details]

Answer 1: A Junction Rd 500 & County Rd nearest Hwy 20; Junction Rds 500 & 600 (staging area); Rd 450 & Simpson Ln

Answer 2: B Camp One Area (campgrounds & day use)

Answer 3: C Camp 20 Area (campgrounds & day use); junction 200 & hwy 20; junction 800 & hwy 20

5 Number

How many people are in your group today? [Hide Details]

6 Number

How many adults? [Hide Details]

7 Number

How many children under the age of 18?

8 Number

How many females are in your group?

9 Number

How many males are in your group? [Hide Details]

## 10 Multiple Choice - Single Answer

Who came with you to the forest today? For example, family or family and friends... (don't read, select the single best match) [Hide Details]

Answer 1: Family

→ Skips to question 12

Answer 2: Friends

→ Skips to question 12

Answer 3: Family and friends

→ Skips to question 12

Answer 4: By self

→ Skips to question 12

Answer 5: Club or organization

→ Skips to question 12

Answer 6: School group

→ Skips to question 12

Answer 7: Volunteer JDSF group

→ Skips to question 12

Answer 8: Other

→ Skips to question 11

## 11 Text - Single Line

You chose other please specify

## 12 Number

On average, approximately how many days each month do you visit this forest?

## 13 Number

On average approximately how many days each year do you usually visit this forest??

## 14 Number

During the past 12 months, how many times did you visit a forest, park or outdoor recreation area? (This includes forests, parks, lakes, rivers, beaches, scenic areas, trails, and open spaces)

## 15 Multiple Choice - Single Answer

During this visit, are you staying overnight in the forest or are you a day use visitor?

[Hide Details]

Answer 1: Overnight visitor

→ Skips to question 17

Answer 2: Day use visitor

→ Skips to question 16

## 16 Number

How many hours do you plan to stay in the forest today? [Hide Details]

→ Skips to question 19

17 Number

How many nights are you staying in the forest? [Hide Details]

18 Multiple Choice - Many Answers

What campsite(s) will you be using while you are staying overnight? (check all that apply)  
[Hide Details]

Answer 1: CAMP ONE AREA

Answer 2: Tin Can

Answer 3: Trillium

Answer 4: Teacher's

Answer 5: Wagon

Answer 6: Tilley Group Camp

Answer 7: Roundhouse

Answer 8: South Fork 1-3

Answer 9: South Bend

Answer 10: Redtail(horse)

Answer 11: Camp 6 (hike-in)

Answer 12: Volcano (hike-in)

Answer 13: Poison Oak (closed)

Answer 14: Camp 4 (closed)

Answer 15: Camp 8 (closed)

Answer 16: CAMP 20 AREA

Answer 17: Dunlap Camp

Answer 18: Horse Camp

Answer 19: Big River Camp

Answer 20: Indian Springs (closed for season)

Answer 21: Don't know yet

19 Multiple Choice - Many Answers

What activities do you and members of your group usually participate in during a visit to the forest? (DO NOT READ LIST, SELECT ALL RESPONSES GIVEN, PROBE FOR OTHER IF NECESSARY) [Hide Details]

Answer 1: Hiking

Answer 2: Backpacking

Answer 3: Camping

Answer 4: Hike-in camping

Answer 5: Picnicking

Answer 6: Horseback riding

Answer 7: Mountain biking

Answer 8: Road biking

Answer 9: Jogging/running

Answer 10: Sightseeing

Answer 11: Driving for pleasure on hwy

Answer 12: Driving for pleasure dirt roads

Answer 13: Wildlife viewing

- Answer 14: Bird watching
- Answer 15: Photography
- Answer 16: Mushroom picking
- Answer 17: Firewood cutting
- Answer 18: Hunting
- Answer 19: Target shooting with firearms
- Answer 20: Archery
- Answer 21: Motorcycle riding
- Answer 22: Wildflower viewing
- Answer 23: Plant identification
- Answer 24: Swimming
- Answer 25: Other

20 Text - Single Line  
 Other Activity [Hide Details]  
 Max Characters: N/A

21 Text - Single Line  
 Other Activity [Hide Details]  
 Max Characters: N/A

22 Multiple Choice - Single Answer  
 Of these activities, which is usually your primary activity during a visit to JDSF? [Hide Details]

- Answer 1: Hiking  
 → Skips to question 24
- Answer 2: Backpacking  
 → Skips to question 24
- Answer 3: Camping  
 → Skips to question 24
- Answer 4: Hike-in camping  
 → Skips to question 24
- Answer 5: Picnicking  
 → Skips to question 24
- Answer 6: Horseback riding  
 → Skips to question 24
- Answer 7: Mountain biking  
 → Skips to question 24
- Answer 8: Road biking  
 → Skips to question 24
- Answer 9: Jogging/running  
 → Skips to question 24
- Answer 10: Sightseeing  
 → Skips to question 24
- Answer 11: Driving for pleasure on hwy  
 → Skips to question 24

Answer 12: Driving for pleasure dirt roads

→ Skips to question 24

Answer 13: Wildlife viewing

→ Skips to question 24

Answer 14: Bird watching

→ Skips to question 24

Answer 15: Photography

→ Skips to question 24

Answer 16: Mushroom picking

→ Skips to question 24

Answer 17: Firewood cutting

→ Skips to question 24

Answer 18: Hunting

→ Skips to question 24

Answer 19: Target shooting with firearms

→ Skips to question 24

Answer 20: Archery

→ Skips to question 24

Answer 21: Motorcycle riding

→ Skips to question 24

Answer 22: Wildflower viewing

→ Skips to question 24

Answer 23: Plant identification

→ Skips to question 24

Answer 24: Swimming

→ Skips to question 24

Answer 25: Other

→ Skips to question 23

23 Text - Single Line

Other Primary Activity [Hide Details]

24 Text Display

CROWDING [Hide Details]

Display Text: In general how crowded is Jackson Demonstration State Forest when you visit? Please answer this question using a scale from 1-9. 1=Not at all crowded 3=Somewhat crowded 6=Moderately crowded 9= Extremely crowded N/A (REPEAT THIS SCALE AS NECESSARY, SO THAT PARTICIPANTS GIVE YOU A NUMBER)

Button Text: CONTINUE

25 Slider

On weekdays? [Hide Details]

Answer 1: 1 Not at all crowded

Answer 2: 2

Answer 3: 3 Somewhat crowded

Answer 4: 4  
 Answer 5: 5  
 Answer 6: 6 Moderately crowded  
 Answer 7: 7  
 Answer 8: 8  
 Answer 9: 9 Extremely crowded  
 Answer 10: NA

26 Slider

On weekends? [Hide Details]

Answer 1: 1 Not at all crowded  
 Answer 2: 2  
 Answer 3: 3 Somewhat crowded  
 Answer 4: 4  
 Answer 5: 5  
 Answer 6: 6 Moderately crowded  
 Answer 7: 7  
 Answer 8: 8  
 Answer 9: 9 Extremely crowded  
 Answer 10: NA

27 Text Display

SATISFACTION WITH FACILITIES AND SERVICES [Hide Details]

Display Text: Please indicate your satisfaction with the forest's existing facilities and services using a scale of 1=Very dissatisfied 2=Dissatisfied 3=Neither satisfied nor dissatisfied 4=Satisfied 5=Very satisfied NA (REPEAT THE SCALE AS NECESSARY, SO THAT PARTICIPANTS GIVE A NUMBER)

Button Text: CONTINUE

28 Slider

Number of loop trails [Hide Details]

Answer 1: 1 Very dissatisfied  
 Answer 2: 2 Dissatisfied  
 Answer 3: 3 Neither satisfied nor dissatisfied  
 Answer 4: 4 Satisfied  
 Answer 5: 5 Very satisfied  
 Answer 6: DK

29 Slider

Total mileage of trails [Hide Details]

Answer 1: 1 Very dissatisfied  
 Answer 2: 2 Dissatisfied  
 Answer 3: 3 Neither satisfied nor dissatisfied  
 Answer 4: 4 Satisfied  
 Answer 5: 5 Very satisfied

Answer 6: DK

30 Slider

Availability of parking at trailheads [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

31 Slider

Availability of parking at campsites [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

32 Slider

Accessible trailheads to enter the forest [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

33 Slider

Accessibility for individuals with disabilities [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

34 Slider

Online information about recreational opportunities on the forest [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 35 Slider

Printed information about recreational opportunities on the forest [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 36 Slider

Educational/interpretive programs on the forest [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 37 Slider

Frequency of law enforcement patrols [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 38 Slider

Enforcement of rules and regulations [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 39 Slider

Areas for large groups in day use areas [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 40 Slider

Areas for large groups in campgrounds [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 41 Slider

Signs posting trail information [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 42 Slider

Signs posting educational information [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 43 Slider

Camping facilities for equestrians [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 44 Slider

Camping fee of \$15 per night [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

## 45 Slider

Process for self-registration camping fees [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

46 Slider

Permit process for special use events [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

47 Slider

Permit process for mushroom picking [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

48 Slider

Permit process for firewood cutting [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

49 Slider

Availability of trash receptacles [Hide Details]

Answer 1: 1 Very dissatisfied

Answer 2: 2 Dissatisfied

Answer 3: 3 Neither satisfied nor dissatisfied

Answer 4: 4 Satisfied

Answer 5: 5 Very satisfied

Answer 6: DK

50 Text Display

MANAGERIAL ACTIONS [Hide Details]

Display Text: Please indicate your level of support for the following potential managerial actions at JDSF using a scale from 1-5. 1= Strongly oppose 2=Oppose 3=Neither oppose nor support 4= Support 5=Strongly support 6=No opinion (REPEAT THE SCALE AS NECESSARY, SO THAT PARTICIPANTS GIVE A NUMBER.

Button Text: CONTINUE

51 Slider

Restoration of the Red Schoolhouse [Hide Details]

Answer 1: 1 Strongly oppose

Answer 2: 2 Oppose

Answer 3: 3 Neutral

Answer 4: 4 Support

Answer 5: 5 Strongly support

Answer 6: No opinion

52 Slider

Designate trails for multiple use [Hide Details]

Answer 1: 1 Strongly oppose

Answer 2: 2 Oppose

Answer 3: 3 Neutral

Answer 4: 4 Support

Answer 5: 5 Strongly support

Answer 6: No opinion

53 Slider

Designate trails for single use (e.g. only mtn. biking) [Hide Details]

Answer 1: 1 Strongly oppose

Answer 2: 2 Oppose

Answer 3: 3 Neutral

Answer 4: 4 Support

Answer 5: 5 Strongly support

Answer 6: No opinion

54 Slider

Install educational signs along the demonstration trails [Hide Details]

Answer 1: 1 Strongly oppose

Answer 2: 2 Oppose

Answer 3: 3 Neutral

Answer 4: 4 Support

Answer 5: 5 Strongly support

Answer 6: No opinion

55 Slider

Designate areas or zones of the forest for specific use [Hide Details]

Answer 1: 1 Strongly oppose

Answer 2: 2 Oppose  
Answer 3: 3 Neutral  
Answer 4: 4 Support  
Answer 5: 5 Strongly support  
Answer 6: No opinion

56 Slider

Designate area for firearms target shooting [Hide Details]

Answer 1: 1 Strongly oppose  
Answer 2: 2 Oppose  
Answer 3: 3 Neutral  
Answer 4: 4 Support  
Answer 5: 5 Strongly support  
Answer 6: No opinion

57 Slider

Designate area for archery target shooting [Hide Details]

Answer 1: 1 Strongly oppose  
Answer 2: 2 Oppose  
Answer 3: 3 Neutral  
Answer 4: 4 Support  
Answer 5: 5 Strongly support  
Answer 6: No opinion

58 Slider

No development of additional recreation facilities [Hide Details]

Answer 1: 1 Strongly oppose  
Answer 2: 2 Oppose  
Answer 3: 3 Neutral  
Answer 4: 4 Support  
Answer 5: 5 Strongly support  
Answer 6: No opinion

59 Slider

Build a visitors center [Hide Details]

Answer 1: 1 Strongly oppose  
Answer 2: 2 Oppose  
Answer 3: 3 Neutral  
Answer 4: 4 Support  
Answer 5: 5 Strongly support  
Answer 6: No opinion

60 Slider

Create a formal volunteer program [Hide Details]

Answer 1: 1 Strongly oppose  
Answer 2: 2 Oppose

Answer 3: 3 Neutral  
 Answer 4: 4 Support  
 Answer 5: 5 Strongly support  
 Answer 6: No opinion

61 Slider

Develop horse trailer parking [Hide Details]

Answer 1: 1 Strongly oppose  
 Answer 2: 2 Oppose  
 Answer 3: 3 Neutral  
 Answer 4: 4 Support  
 Answer 5: 5 Strongly support  
 Answer 6: No opinion

62 Slider

Develop water facilities for horses on trails [Hide Details]

Answer 1: 1 Strongly oppose  
 Answer 2: 2 Oppose  
 Answer 3: 3 Neutral  
 Answer 4: 4 Support  
 Answer 5: 5 Strongly support  
 Answer 6: No opinion

63 Text Display

PROBLEMS [Hide Details]

Display Text: During this visit to the Forest, how much of a problem did you find the following issues to be, using a scale from 1-4. 1= Not a problem 2=Slight problem 3=Moderate problem 4= Big problem N/A (REPEAT THE SCALE AS NECESSARY, SO THAT PARTICIPANTS GIVE A NUMBER)

Button Text: CONTINUE

64 Slider

Litter along a trail, at a campsite, or at picnic area [Hide Details]

Answer 1: 1 Not a problem  
 Answer 2: 2 Slight problem  
 Answer 3: 3 Moderate problem  
 Answer 4: 4 Big problem  
 Answer 5: N/A

65 Slider

Discourteous behavior of visitors/campers [Hide Details]

Answer 1: 1 Not a problem  
 Answer 2: 2 Slight problem  
 Answer 3: 3 Moderate problem  
 Answer 4: 4 Big problem  
 Answer 5: N/A

66 Slider

Noise of visitors/campers [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

67 Slider

Conflicts between equestrians and hikers [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

68 Slider

Conflicts between equestrians and mountain bikers [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

69 Slider

Conflicts between mountain bikers and hikers [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

70 Slider

Conflicts between timber management and recreation use [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

71 Slider

Conflicts between off-highway vehicles and other forest visitors [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

72 Slider

Encountering large groups of people (8+ people in a group) on a trail [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

73 Slider

Vandalism to forest facilities/resources [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

74 Slider

Vault/pit toilets that need cleaning [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

75 Slider

Camping too close to other campers [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

76 Slider

Illegal camping [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem

Answer 3: 3 Moderate problem

Answer 4: 4 Big problem

Answer 5: N/A

77 Slider

Parties in the forest [Hide Details]

Answer 1: 1 Not a problem

Answer 2: 2 Slight problem  
Answer 3: 3 Moderate problem  
Answer 4: 4 Big problem  
Answer 5: N/A

78 Slider  
Illegal off-highway vehicle use [Hide Details]  
Answer 1: 1 Not a problem  
Answer 2: 2 Slight problem  
Answer 3: 3 Moderate problem  
Answer 4: 4 Big problem  
Answer 5: N/A

79 Slider  
Evidence of illegal campfires [Hide Details]  
Answer 1: 1 Not a problem  
Answer 2: 2 Slight problem  
Answer 3: 3 Moderate problem  
Answer 4: 4 Big problem  
Answer 5: N/A

80 Slider  
Human waste along a trail or at a campsite [Hide Details]  
Answer 1: 1 Not a problem  
Answer 2: 2 Slight problem  
Answer 3: 3 Moderate problem  
Answer 4: 4 Big problem  
Answer 5: N/A

81 Slider  
Target shooting at appliances, trees, etc. [Hide Details]  
Answer 1: 1 Not a problem  
Answer 2: 2 Slight problem  
Answer 3: 3 Moderate problem  
Answer 4: 4 Big problem  
Answer 5: N/A

82 Slider  
Roadside dumping of garbage in the forest including abandoned vehicles [Hide Details]  
Answer 1: 1 Not a problem  
Answer 2: 2 Slight problem  
Answer 3: 3 Moderate problem  
Answer 4: 4 Big problem  
Answer 5: N/A

83 Text Display

CONDITIONS [Hide Details]

Display Text: Please rate the acceptability of the following current conditions/facilities at JDSF using a scale from 1-5. 1= Totally unacceptable 2=Unacceptable 3=Marginal 4=Acceptable 5=Totally acceptable DK (REPEAT THE SCALE AS NECESSARY, SO THAT PARTICIPANTS GIVE A NUMBER, PROVIDE EXAMPLES IN PARENTHESES IF NEEDED)

Button Text: CONTINUE

84 Slider

Overall condition of trails (erosion, vegetation loss, tree root exposure, downed trees)

[Hide Details]

Answer 1: 1 Totally unacceptable

Answer 2: 2 Unacceptable

Answer 3: 3 Marginal

Answer 4: 4 Acceptable

Answer 5: 5 Totally acceptable

Answer 6: DK

85 Slider

Overall condition of campsites (erosion, vegetation loss, tree root exposure, picnic tables, fire rings) [Hide Details]

Answer 1: 1 Totally unacceptable

Answer 2: 2 Unacceptable

Answer 3: 3 Marginal

Answer 4: 4 Acceptable

Answer 5: 5 Totally acceptable

Answer 6: DK

86 Slider

Overall condition of day use areas (erosion, tree root exposure, vegetation loss, picnic tables)

[Hide Details]

Answer 1: 1 Totally unacceptable

Answer 2: 2 Unacceptable

Answer 3: 3 Marginal

Answer 4: 4 Acceptable

Answer 5: 5 Totally acceptable

Answer 6: DK

87 Slider

Vault/pit toilets [Hide Details]

Answer 1: 1 Totally unacceptable

Answer 2: 2 Unacceptable

Answer 3: 3 Marginal

Answer 4: 4 Acceptable

Answer 5: 5 Totally acceptable

Answer 6: DK

88 Slider

General information signage [Hide Details]

Answer 1: 1 Totally unacceptable

Answer 2: 2 Unacceptable

Answer 3: 3 Marginal

Answer 4: 4 Acceptable

Answer 5: 5 Totally acceptable

Answer 6: DK

89 Slider

Overall condition of dirt/fire roads (ruts, erosion) [Hide Details]

Answer 1: 1 Totally unacceptable

Answer 2: 2 Unacceptable

Answer 3: 3 Marginal

Answer 4: 4 Acceptable

Answer 5: 5 Totally acceptable

Answer 6: DK

90 Multiple Choice - Many Answers

How did you first learn about the forest? (DO NOT READ LIST. CHECK ALL THAT APPLY) [Hide Details]

Answer 1: Friends or Family

Answer 2: Word of mouth

Answer 3: At a hotel/motel/b&b

Answer 4: Driving by on hwy 20

Answer 5: Magazine

Answer 6: Newspaper

Answer 7: Radio

Answer 8: CAL FIRE office

Answer 9: CAL FIRE website

Answer 10: Other website

Answer 11: I'm a local resident

Answer 12: Other

91 Text - Single Line

If other please specify

92 Multiple Choice - Many Answers

How do you obtain recreation information about the forest? (DO NOT READ LIST. CHECK ALL THAT APPLY) [Hide Details]

Answer 1: Friends or Family

Answer 2: Word of mouth

Answer 3: At a hotel

Answer 4: I just show up to recreate

Answer 5: I'm a local resident

Answer 6: Magazine

Answer 7: Newspaper

Answer 8: CAL FIRE office

Answer 9: CAL FIRE website

Answer 10: Other website

Answer 11: Other

93 Text - Single Line

If other please specify

94 Text Display

VISITOR CHARACTERISTICS [Hide Details]

Display Text: These final questions are to help us get a picture of who visits the forest. All of these questions are voluntary and you may decline to answer any of them.

Button Text: CONTINUE

95 Gender (Male or Female)

What is your gender? (don't need to ask verbally) [Hide Details]

Answer 1: Male

Answer 2: Female

96 Multiple Choice - Single Answer

What is your marital status? [Hide Details]

Answer 1: Married

Answer 2: Widowed

Answer 3: Divorced

Answer 4: Never married

Answer 5: (If subject says separated include as married)

97 Number

What is your age? (in years)

98 Multiple Choice - Single Answer

What is the highest level of education that you have completed? (do not read list, choose one)  
[Hide Details]

Answer 1: Less than high school

Answer 2: Some high school

Answer 3: High school

Answer 4: Some college

Answer 5: 2-year college degree

Answer 6: Vocational degree

Answer 7: 4-year college degree

Answer 8: Some graduate school

Answer 9: Completed graduate degree

## 99 Multiple Choice - Single Answer

What is your approximate annual household income? (don't read list, check one only)

[Hide Details]

Answer 1: Less than \$20,000

Answer 2: \$20,000 to \$39,999

Answer 3: \$40,000 to \$59,999

Answer 4: \$60,000 to \$79,999

Answer 5: \$80,000 to \$99,999

Answer 6: \$100,000 to \$149,999

Answer 7: \$150,000 or more

Answer 8: Prefer not to answer

## 100 Multiple Choice - Many Answers

Please tell us the racial category or categories that best describes you? (don't read list, check one or more) [Hide Details]

Answer 1: American Indian or Alaskan Native

Answer 2: Asian Indian

Answer 3: Black or African American

Answer 4: Chinese

Answer 5: Filipino

Answer 6: Indian

Answer 7: Japanese

Answer 8: Korean

Answer 9: Latino/Hispanic

Answer 10: Native Hawaiian

Answer 11: Other Asian

Answer 12: Other Pacific Islander

Answer 13: Vietnamese

Answer 14: White

Answer 15: Other

## 101 Text - Single Line

If other please specify

## 102 Yes or No

Do you live in California? [Hide Details]

Answer 1: Yes

→ Skips to question 103

Answer 2: No

→ Skips to question 107

## 103 Multiple Choice - Single Answer

What county do you live in? [Hide Details]

Answer 1: Mendocino

→ Skips to question 104

Answer 2: Other

→ Skips to question 106

104 Multiple Choice - Single Answer

How did you get to the forest today? [Hide Details]

Answer 1: Hike/walk/run

Answer 2: Bike

Answer 3: Vehicle

Answer 4: Ride horse

105 Number

How many minutes did it take you? [Hide Details]

→ Skips to question 108

106 Text - Single Line

If other county please specify

107 Text - Single Line

What state or country do you live in? [Hide Details]

108 US Zip Code

What is your zip code? (only report for U.S. citizens)

109 Text Display

THANK YOU [Hide Details]

Display Text: (Read at conclusion of survey) THANK YOU FOR TAKING THE TIME TO PARTICIPATE IN THIS SURVEY. WE APPRECIATE YOUR CONCERN FOR AND INTEREST IN THE FUTURE OF JACKSON DEMONSTRATION STATE FOREST.

Button Text: END

110 Text - Multi Line

What other comments about JDSF would you like to share? [Hide Details]

Appendix C  
JDSF Comments

**Positive Comments**

Awesome first visit and enjoyed the trails  
 Beautiful forest, well managed.  
 Beautiful forest.  
 Beautiful.  
 Best campsite ever  
 Cal fire does a beautiful job with camp one. Love this area.  
 Campsite seems very clean and fresh for the outdoors!  
 Enjoy this place.  
 Fun  
 Good place  
 Great family fun and a great birthday get a way  
 Great job!  
 Great park!  
 Great place to take my kid out riding.  
 Great place.  
 Great ride!  
 Likes the peace and quiet of the campgrounds  
 Great trails to bike. Keep it the same  
 Great trails. I love coming here  
 I like it here  
 I love it here  
 I love it here!!!!!!  
 I love this place!  
 I love this place.  
 I really like this spot  
 Like it.  
 Love it hear,  
 Love it here!  
 Love it!  
 Love the park  
 Job well done.  
 Love the roads for mountain biking.  
 Love this campsite  
 Love this place!  
 Nice clean campsite and very cool (temperature)  
 Might be favorite campgrounds  
 My first visit. Arrived one hour ago. Love it thus far. ;-)  
 Pretty happy  
 Don't want it to change too much  
 Nice the way it is.  
 Space is good.  
 Thanks  
 THANKS! Appreciate it.  
 Don't change this place.

This is a beautiful campground

This place is awesome! We have had a great time, and cant wait to come back again soon.

Thank you for maintaining it!

This place is great. I will continue to come here.

Very beautiful. Nice trees. Better then LA forest.

Very nice recreation facility

We are happy as a mountain bike club to have a working relationship with Cal Fire and JDSF

We love camping here.

### **Personnel**

Better training for people that manage the forest. New people come in with ego problems down into the target shooting area.

Difficult to work with and thinks this is private forest. Not supportive of horse people even thou we have been coming for years and continue to support and encourage other horse people. Redtail needs to be horse only camp. Rude and doesn't play well with other CDF employees.

Debbie is very helpful

Emergency phone or camp host needed in location.

Get a camp host back into horse camp.

Need camp host

Camp host.

Need a camp host for safety, conservation, registration collection, emergencies.

Get Jean back! Need a camp host. Would pay to keep one here

Need a camp host especially for emergency.

Love camp host.

Encourage volunteers. Set up volunteer program to maintain trails.

Have reps from each horse club represent volunteer groups

Have patrol drive through camps once a day to check up. Cal fire or a host.

Need respectful law enforcement.

No kiosks. Rangers suck.

No more rangers!

Raise Cal Fire pay

### **Maintenance**

Add a dumpster somewhere to haul horse manure. Otherwise, horse poop keeps piling up around camps. Don't mind hauling it somewhere in order to keep place clean.

Clean the bathrooms

Clean up!!!!!!!!!!!!

Clean the bathrooms please

Bathrooms at camp 20 rest stop are horrible. Gives bad impression of the forest

Bathrooms need cleaning and overall trash is all over the place (day use areas) 20

Campsites ton of trash over 10 years

Day use area is bad. Bathrooms with graffiti and in horrible condition  
Use downed logs to replace broken recreation areas or something else so that they are not just rotting.

A lot of showing up to trash in camp.

More garbage cans less littering

Fix fire road where pond dumping has taken place, blocks access out in case of fire

Fix the bathroom!

Bathroom in day use area needs to be ADA.

Keep bathrooms clean, especially ones at 20 day use - horrible

Do something about the bathrooms

Take trash and clean toilets

Trash needs more attention at camp sites.

Picnic benches maintenance could be better!

On the question do vault/pit toilets need cleaning - the negative response referred to the bathroom at camp 20 - really bad

Toilets should be cleaned regularly during the week.

Higher grade toilet paper.

Sick of the homeless encampments bringing lots of garbage into forest and making huge mess

Spend more resources on catching litters. The household trash is out of control.

Trails need clearing and maintenance.

Vault pits in poor condition. If they are in poor condition, people will be more likely to find their own or make their own.

Maintain the forest, so that the next generation can enjoy it too.

Stop adding Cal Trans paving

The road conditions were much better than other campgrounds in northern California.

### **Campgrounds**

Allow more than two car per campsite.

Two car limit is strange

Allow visitors to stay more than 14 nights. If willing to pay, should be able to stay.

Put in one water tap. Some form of running water to justify fee

Charge too much for motorcycles as additional vehicles

Find the two car limit an issue. With such big campsites, could have more people. Shouldn't be so restricted. Keep on top of the campsites from visitors to visitors.

Want water in horse camp for horses. Non potable is fine.

Higher limit for campsites. At least 15.

Highlines in horse camp and another toilet

Let people reserve

Reservation system needed

Need reservations for camping

More campgrounds away from people. Water availability since paying fee

More campsites, better reservation process

Shower facilities.

Need to lower price if there continues to be no utilities.

More private campsites and open up the ones that are closed. Get more sites like south fork 3.

More secluded campsites

Water for group site since they are paying over \$300. Consider lowering group site fees.

Discount for people that come every year. Loyalty program.

More corrals are much safer, saves trees. Camp fees go to showers and bathrooms, would pay more for amenities.

Need to improve Red Tail Horse Camp sites for horse trailer and site ten is not usable for an individual. Horse Camp needs a new pit toilet

Need water in the campgrounds. Not supposed to charge if there is not water available.

Needs water in horse camp, needs work.

Need a manure bin. More corrals. Not enough for each campsite. Two corrals in each site.

The ones we have are very nice. Water for horses so we didn't have to haul ourselves.

Since being charged, feel it need more attention to toilets, high-line poles, trailer parking

Parking for horse trailers at redtail is too limited. Larger trailers cannot fit.

Running water or at least potable.

Running water. Keep everything else the way it is.

Water tap

Far enough campsites away from each other makes it nice.

Maybe have some more campsites other places in forest.

We should be able to reserve the whole campsite regardless of the number of horses.

This was a promised horse camp in 1983, why not anymore.

Equestrian campsites need to be just for horses because of liability issues with small children.

Would prefer designated horse camp only.

Want Tillys to be a horse camp.

### **Recreation Conflict**

Conflicts with dirt bikes. Close to Fort Bragg. Need to keep them off the trails with horses

Dirt bikes and horses do not mix, they need own areas.

Dirt bikes should not be near horses, the need education, signage for dirt bikers if near horses

Mixing non-horse people with equestrians is not wise.

Mt bikers inconsiderate

Keep timber harvest away from recreation

Dogs are a problem. Dog poop and dogs everywhere. Need an area for dogs to get them away from certain people.

### **Accessibility**

More handicap bathrooms. Very difficult time getting into tilly.

Don't want to see any gates. Want to see the woods open.

Open up the roads for people to explore.

More fire roads opened for 4 wheel vehicles  
 Would like to dedicate space or trails specifically to off road vehicles  
 Open trails up. Even though I don't ride dirt bikes, need to open up a place for them so they don't come tear up our trails that we have worked to build and maintain.  
 Maybe an off-road park so they would stay off trails and not tear up roads. Make them a place.  
 Open up fire roads for dirt bikes and atv's  
 More roads opened up  
 Open up more roads more often for vehicles  
 Public access is good  
 More accessibility for walkers.  
 Multi use of trails.  
 Would like to see more trails open  
 Restore trail connecting to Jughandle.  
 Feel that they should spend more time on the recreational areas. Utilize gravel pits to improve old roads and use old logging trails to make more trails  
 Want to use forest for recreation and mountain biking.  
 Recognition of benefits bikes and users provide. Promote recreation use.  
 Would like mountain biking to grow  
 More horse parking.  
 Need more four wheel drive trails open! Happy happy!  
 Open the gates. Let us travel our forest.  
 Open the gates so we can explore.  
 Keep roads open to public. Many locals upset about not having their roads they pay for available to them.  
 Open more roads. Have an off road vehicle area.  
 Make forest more recreation accessible. Open roads  
 Need to open up more roads for the local tax payers to use and ride their dirt bikes and Atvs.  
 I think the forest should be open for the people.  
 Stop locking up the forest.  
 Open the roads up for the people to enjoy. Put in an area for off highway vehicles so they don't recreate illegally.  
 Keep gates open, stop closing them to locals.  
 Its public property and should be administered as such.  
 Would like to open Chamberlain Creek because it would be a real nice hike.  
 Keep it the way it is, don't make it touristy  
 Keep it wild as much as possible.  
 Keep things open to enjoy and preserve!  
 More accessibility to firewood.  
 More firewood  
 Place to get accessible wood.  
 Leave the forest alone.

Extend the season  
 Stay open later in the year (e.g. through October).  
 Would come more often if it didn't close.  
 Want it to stay open and healthy

### **Shooting Range**

Create a designated place for shooting. Gets a little dangerous when people are shooting in random places on the weekend.  
 Greater access for target shooting in specific areas.  
 I hope you will continue to allow shooting targets in the forest and have areas designated for that purpose. :)  
 It would be nice to have a rifle range  
 Keep the shooting range  
 Like to keep firearms range open.  
 Put in a shooting range.  
 I support maintaining places in JDSF for organized shooting sports activities and firearms use education. Thank you.  
 Shooting range must remain open  
 Shooting site would be great.  
 To have a safe area to shoot and to further educate on firearms, shooting, and safety.  
 Would like a shooting range. Lots of members want a designated area to practice in.

### **Signage, Information & Education**

Need more signs along trails and more area for horses  
 Got lost on trail, need signs  
 Wildlife signs.  
 More educational signs  
 More educational signs for egg taking station.  
 Love to see more signage. Need it on the trails!  
 JDSF should work with local trail builders to build a loop system and sign them  
 More signs  
 More signs on ditches. Got stuck in campground  
 Trail signs need a lot of work!  
 More signage  
 Clearer directions to campsites.  
 Sign for iron wood mill  
 Signage is really bad, signage for roads, gates  
 Signs to pick up manure for horses and to incorporate trailer parking.  
 Signage is necessary  
 Use something other than plexi glass on the signs because it gets foggy and you cant read it.  
 More signs/ maps. Make it useable

Post trail signs corresponding to local maps. Make them well known (catch-a-canoe) map  
Maps should be available at Howard station.

More website info. Better camp site info.

Need maps to be available to public.

Trails should be marked on the maps (i.e. road 111 vs. road 232a etc.)

Need more definitive info online, available campsites, contact info, found out about fee on  
way here at gas station

Need online info water, hookups, open periods for riding, search engine horse camp  
facilities, how many miles of trails available.

Doesn't want more signage.

Get more college students to put on forest demonstration exhibits and natural history  
programs.

Would appreciate further support of educational and research activities in the park.

More recreational enhancements and educational signs/programs.

A visitor center or place with maps at the trailhead would be nice.

Pamphlets with numbers that relate back to the trees, to tell you about the forest and its  
history.

Inform people about horses. So what the rules of trails.

Restore red school house and combine with visitor center.

### **Other Comments**

Free shirts would be nice

Has anyone ever seen big foot around here?

Great surveyors!

Really great girls giving survey!

Enjoyed chattin'

Bring us something for taking survey

Shorter survey please

Might want to streamline this survey if you plan on getting a larger data set.

Do more of this; surveys or more people finding out what needs to be improved

See this process expedited.

I come here for work

Has state parks veterans camp permit that exempts from fees, doesn't know if it works on  
JDSF

Lots of dust

No emergency vehicles

Violators should be punished, not everyone.

Stop regulating, no more restrictions

Make the dumping free to reduce the amount or tax it.

Logging destroys wildlife. Would like to see less of that.

Keep logging going

Put the payphone back in for emergencies.

Need a call box for emergencies.

Never use herbicides.

Water fountains, bee repellents

We were just passing through, stayed one night and have limited experience with this park.

Ryan says hi!