

Recreation - Developed Site Conditions

Activities, Effects and Resources To Be Measured.

Monitor 20% of developed sites and report in INFRA Recreation Site Condition Survey, Safety, Operation and Maintenance Form. This form will be monitored to determine if condition of facilities has declined from previous survey.

Methods.

Survey was completed according to Recreation Monitoring Protocols.

Location.

During FY 2004 the Forest monitored Navajo Lake Campground, Te-Ah Campground, Barker Recreation Complex, Pine Lake Equestrian, Wildlife Point Boating Facility, and South Shore Boating facility. The deferred maintenance for these facilities has not increased since the information was recorded in INFRA. However, the only accomplishment was the improvement of the handrail on the stairs at Wildlife Point.

Variation.

Deferred maintenance costs have not increased and there is no need for further evaluation.

Results.

Navajo Lake Campground has a deferred maintenance of \$7,300. Te-Ah Campground deferred maintenance is \$8,625, Barker complex is \$2,625, Wildlife Point is \$42,000, and South Shore Boat ramp and Pine Lake Equestrian are both \$0.

Interpretation.

Since the only variation was \$600 to replace the handrail at Wildlife Point there has been little done to improve facilities and reduce deferred maintenance needs. If actions are not taken to correct deferred maintenance problems facilities will no longer be useable.

Monitoring Resources Available.

Funding to accomplish the task was sufficient but with the shortage of people it was difficult to make monitoring a priority.

Recommendation.

This monitoring process should continue to identify the money needed to manage developed recreation facilities on the forest.

Prepared by Max Molyneux, Landscape Architect.

Dispersed Recreation/Wilderness

Activities, Effects and Resources To Be Measured.

Dispersed Visitor Use/Amount and Distribution of Human Use

Methods.

Road and trail counters.

The Dixie NF uses both active infrared and electromagnetic vehicle counts.

Location.

Dispersed visitor use was monitored on 29 trails/roads on the Dixie NF in 2004. On the Pine Valley Ranger District there were six monitoring locations: Enterprise Reservoir Road, Forsyth Trail, Whipple Trail, Pine Valley Equestrian Trail, Mill Flat Trail, and New Harmony Trail (Anderson Valley Trail). On the Cedar City Ranger District there were ten monitoring locations: Crystal Spring Trail, Potato Hollow Trail, Blowhard Trail, Rattle Snake Trail, Dark Hollow Trail, Bunker Creek Road, Sidney Peak Trail, Markagunt Trail (Yankee Meadow Trail), Duck Creek ATV Trail, and Aspen Mirror ATV Trail. On the Powell Ranger District there were five monitoring location: Casto Canyon Trail, Thunder Mountain Trail, Red Canyon Trail, Freemont Trail, and Jones Corral Road. On the Escalante Ranger District there were eight monitoring locations: Upper Box Trail, Lower Box Trail, Death Hollow Trail, Great Western ATV Trail (reroute), Pacer ATV Trail, Poison Creek Trail, Under The Point Trail, and Birch Creek Trail.

Variation.

Visitor use varies from projected demand by greater than 20%.

Results.

Monitoring Location ¹	Total Counts 04	Average Counts Per Day 04	Average Counts per Day 03
D1			
Enterprise Reservoir Rd.	660	29.92	NA
Equestrian Trail*	353	7.84	7.3
Forsyth Trail*	764	14.3	12.95
Mill Flat Trail*	1276	11.47	7.62
New Harmony Trail* ²	205	1.56	3.84
Whipple Trail*	843	9.23	9.75
D2			
Aspen Mirror ATV Trail	2473	30.75	21.12
Blowhard Trail	364	9.63	NA
Duck Creek Trail	617	13.76	13.46

¹ * = Trails that access Wilderness Areas.

² Trail counter moved further up the trail.

Bunker Creek	2836	29.12	14.19
Crystal Springs Trail*	187	4.52	6.2
Dark Hollow Trail	974	14.23	NA
Markagunt Trail	361	5.89	NA
Potato Hollow Trail*	87	0.72	0.77
Rattle Snake Trail*	494	4.31	7.3
Sidney Peak Trail	1845	31.13	NA
D3			
Casto Canyon Trail	3928	52.95	NA
Freemont ATV Trail	724	5.28	8.55
Jones Corral Road	555	7.28	9.18
Red Canyon Trail	3728	37.68	33.49
Thunder Mountain Trail	2854	22.06	NA

Interpretation.

Across the forest there was an increase in use on heavily used trails (>10 people/day) and a slight decrease in less used trails (<10 people/day). Most of the high use trails tend to be either scenic and/or mechanized. The increase in use on these types of trails is in agreement with the findings of the National Visitor Use Monitoring data collected on the DNF in 2003.

Further monitoring of these trails is necessary to create a database with base-line data. Currently the Dixie National Forest has only been monitoring trail data for the last two years on most trails listed. In order to monitor change over time, trail data needs to be collected, analyzed, and stored annually. With an increasing population growth and an increasing recreating public, trail use is expected to increase. The Dixie National Forest is especially susceptible to increased use due to its proximity to the fast growing city of Las Vegas. In addition, the Dixie National Forest provides many recreation opportunities for motorized recreation, which is the fastest growing sport in the United States.

Monitoring Resources Available.

There are insufficient funds to properly monitor the Dixie National Forest trail system. The current cost for an individual trail counter is around \$350. With 280 trails constituting 1,600 miles of trails, it is unlikely the Dixie National Forest will ever have the funding or personnel to adequately monitor its trail system.

Recommendation

Monitoring of dispersed recreation use, more specifically, trail use, needs to continue on an annual basis on the Dixie National Forest. Trail monitoring by the use of trail counters allows managers to determine current conditions and how use numbers may be changing over time.

Downhill Ski Area Use

Activities, Effects and Resources To Be Measured.

If the five-year average varies from projected demand more than 20%

Methods.

The Forest Plan lists the capacity for Brain Head Ski area at 3,200 skiers at one time. The normal use season (November 25 to April 15th equaling 154 days), making the capacity at Brian Head 492,800 skiers for the season.

Location.

According to the number of tickets sold during the 2003-2004 season there was a total of 130,233 skiers for the season.

Variation.

The Forest Plan states that if there is a variation of 20% from the five-year average the Forest would develop a prospectus to develop or encourage more development.

Results.

The raw numbers indicate that the capacity at Brian Head is well above the present use level and there is no need to increase capacity.

Interpretation.

Snow conditions over the past 5 years have been poor and the use shown is not a good indication of the potential. The area should continue to be evaluated and if conditions improve make note of the changes and monitor potential use.

Monitoring Resources Available.

The owner did most monitoring with the sale of tickets and minimal forest resources were used.

Recommendation.

This monitoring should continue but at a 5 year interval and not yearly.

Prepared by Max Molyneux, Landscape Architect.
November 19, 2004

Developed Site Services

Methods.

The reservation system keeps track of developed sites on the system. Their information was used to determine the frequency that sites on the reservation system were used. This information was tabulated in the first table.

The second table indicates the number of sites occupied during the summer. The number of sites for each campground are listed and the season of use. These two numbers are multiplied to identify the number of sites that are available during a season. Information was then gathered by the campground hosts who are on site each day concerning the number of sites occupied. The number of sites occupied was then divided by those available to determine the percent use.

Location.

See Results section.

Variation.

The Forest Plan (V-3) states that if use of an individual site exceeds 60% of theoretical capacity for the summer season changes should be considered for further evaluation or management action.

Results.

Data collected for Cedar Canyon, Navajo Lake, Spruces, Single Tree, Pines, North Juniper and South Juniper Campgrounds show utilization over 60%. Blue Springs Campground was used 63% of the time available on the reservation system but was only used 12% of the time according to the concessionaire. The district should look at putting more of the sites on the reservation system to more fully utilize the campground. The same is true of Kings Creek Group site, which was reserved over 90% of the time on the reservation system for weekends and yet during 2003 the campground was only used slightly over 40%. Putting the campground in the reservation system could improve utilization.

Table 1. Comparison of changes in developed site reservations between FY 2002, 2003, and 2004 using Reservation Company data.

Developed Site	% Of Use	FY02 Reserv.	FY 03 Reserv.	FY 04 Reserv.
Blue Springs Campground				
	Days Available	1998	1998	1239
	% Week End	96.01	96.01	96.18
	%Week Day	44.44	43.39	49.42
	Total % Used	59.31	58.56	63.15
Pine Valley Equestrian CG				
	Days Available	777	777	777
	% Week End	27.68	28.57	37.33
	%Week Day	7.59	7.05	8.75

Developed Site	% Of Use	FY02 Reserv.	FY 03 Reserv.	FY 04 Reserv.
	Total % Used	13.38	13.26	16.73
Pine Valley Group Campground				
	Days Available	444	444	444
	% Week End	42.97	43.75	50.39
	%Week Day	18.35	16.46	17.03
	Total % Used	25.45	24.32	26.58
Cedar Canyon Campground				
	Days Available	1596	1596	1691
	% Week End	12.5	15.57	16.19
	%Week Day	4.65	8.33	7.02
	Total % Used	6.89	10.4	9.7
Deer Haven Group Area				
	Days Available	84	84	89
	% Week End	45.83	62.5	57.69
	%Week Day	30	35	20.63
	Total % Used	34.52	42.86	31.46
Duck Creek Campground				
	Days Available	5040	1794	1841
	% Week End	56.25	56.88	56.41
	%Week Day	27.67	27.08	25.42
	Total % Used	35.83	35.6	34.48
Panguitch Lake North Campground				
	Days Available	4116	4284	4539
	% Week End	35.95	28.43	34.24
	%Week Day	13.91	12.22	13.32
	Total % Used	16.59	16.85	19.43
Te-Ah Campground				
	Days Available	3528	3528	3738
	% Week End	30.26	32.14	36.17
	%Week Day	9.64	9.84	14.59
	Total % Used	15.53	16.21	20.89
White Bridge Campground				
	Days Available	2436	2436	2581
	% Week End	24.28	26.15	24.4
	%Week Day	10	11.32	10.4
	Total % Used	14.08	15.56	14.49
Kings Creek Group Area				
	Days Available	109	109	110
	% Week End	90.63	90.63	90.63
	%Week Day	68.83	70.13	48.72
	Total % Used	75.23	76.15	60.91
Barker Recreation Area				

Developed Site	% Of Use	FY02 Reserv.	FY 03 Reserv.	FY 04 Reserv.
	Days Available	Not Open	2124	2124
	% Week End		4.21	5.23
	%Week Day		1.96	2.58
	Total % Used		2.59	3.34
Pine Lake Campground				
	Days Available	3630	3630	3432
	% Week End	15.91	18.37	17.27
	%Week Day	6.1	7.93	5.77
	Total % Used	8.95	10.96	9.09
Posy Lake Campground				
	Days Available	2691	2691	2691
	% Week End	9.46	7.8	10.33
	%Week Day	6.29	5.81	6.91
	Total % Used	7.21	6.39	7.84
Singletree Campground				
	Days Available	3876	3876	3910
	% Week End	4.04	3.95	3.83
	%Week Day	1.43	1.11	1.29
	Total % Used	2.17	1.91	2.02

Table 2. Comparison of developed site facility use for 2003 and 2004 using information gathered by campground concessionaire.

Campground	Number Sites	FY03				FY 04			
		Days open	Potential Sites Available	Actual Sites Used	% Use	Days open	Potential Sites Available	Actual Sites Used	% Use
Pine Valley Equestrian	18	123	2214	678	30.6%	135	2430	384	15.8%
Blue Springs	18	123	2214	1234	55.7%	135	2430	314	12.9%
Honeycomb Rocks	22	123	2706	99	3.7%	135	2970	295	9.9%
Yankee Meadows	29	123	3567		0.0%	119	3451	1514	43.9%
Cedar Canyon	18	123	2214	1268	57.3%	126	2268	1844	81.3%
Navajo Lake	32	123	3936	1168	29.7%	133	4256	2921	68.6%
Spruces	26	123	3198	897	28.0%	98	2548	2062	80.9%
Te-Ah	42	123	5166	2011	38.9%	119	4998	1717	34.4%
Duck Creek	94	123	11562	6253	54.1%	140	13160	7363	55.9%
Panguitch Lake South	17	123	2091	410	19.6%	119	2023	812	40.1%
Panguitch Lake North	49	123	6027	2452	40.7%	126	6174	2504	40.6%
White Bridge	28	123	3444	1337	38.8%	119	3332	1229	36.9%
Red Canyon	36	123	4428	3648	82.4%		0		0
King Creek	36	123	4428	2084	47.1%		0		0
Posy Lake	23	123	2829	995	35.2%	144	3312	1412	42.6%
Pine Lake	30	123	3690	923	25.0%		0		0
Barker Reservoir	14	123	1722	197	11.4%	130	1820	423	23.2%
Blue Spruce	6	123	738	214	29.0%	130	780	269	34.5%
Singletree	30	123	3690	1630	44.2%	138	4140	2529	61.1%

Campground	Number Sites	FY03				FY 04			
		Days open	Potential Sites Available	Actual Sites Used	% Use	Days open	Potential Sites Available	Actual Sites Used	% Use
Pleasant Creek	17	118	2006	502	25.0%	117	1989	335	16.8%
Oak Creek	9	118	1062	470	44.3%	124	1116	288	25.8%
Pines	13	123	1599	622	38.9%	135	1755	1077	61.4%
South Juniper	11	123	1353	1145	84.6%	135	1485	1243	83.7%
North Juniper	13	123	1599	1134	70.9%	135	1755	1347	76.8%

Interpretation.

See previous section and use tables.

Monitoring Resources Available.

Monitoring was accomplished with existing contracts and special use permits funded at the national level or from campground proceeds. No further funding is needed.

Recommendation.

This monitoring will continue with present obligations and the forest only needs to compile the information. The monitoring should continue to determine what use is occurring at developed sites.

Cedar Canyon, Navajo Lake, Spruces, Single Tree, Pines, North Juniper and South Juniper Campgrounds should have intensive monitoring during the summer of 2005 to determine if resource damage is occurring due to the use.

The district should look at putting more sites on the reservation system to more fully utilize the campgrounds.

Prepared by Max Molyneux, Landscape Architect.
November 19, 2004

Format for Reporting Results

Organization Site Use

Activities, Effects and Resources To Be Measured.

The Forest Plan states that supply developed recreation in the public sector will never increase unless expansion is allowed to occur. Since the St. George Lions lodge is the only facility in this sector use has never increased. We have had no request for any other development of this type.

Methods.

Spoke with others on the forest to determine if there was a demand.

Location.

Variation.

Results.

Interpretation.

This monitoring should be dropped as there is no demand and use will never increase.

Monitoring Resources Available.

Recommendation.

Dispersed Recreation

Activities, Effects and Resources To Be Measured.

Trail Condition

Methods

TRACS trail condition surveys.

The TRACS trail condition survey is the USFS Region 4 standard monitoring protocol for trail monitoring. This method is used on the Dixie NF because the forest plan does not specify any other method.

Location.

TRACS trail monitoring surveys were performed on the Pine Valley District, Cedar City Ranger District, Escalante Ranger District, and the Teasdale Ranger District. On the Pine Valley Ranger District 5 trails were inventoried: Pilot Peak Trail, Rock Canyon Trail, Pine Canyon Trail, Shinbone Trail, and a section of the South Boundary Trail. On the Cedar City Ranger District 15 trails were inventoried: Haycock Creek Trail, Sidney Peak Trail, Mace's Run Trail, Blue Spring Mountain Trail, Grand Dad Flat Trail, Deer Creek/Bunker Trail, Dark Hollow Trail, Left Fork Bunker Creek Trail, Right Fork Bunker Creek Trail, Delong Creek Trail, Spruce Trail, Spoon Trail, Potato Hollow Trail, High Mountain Trail, and Hancock Peak Trail. On the Escalante Ranger District 14 trails were inventoried: Coleman Trail, Roundy Trail, Snowmobile Trail, Pine Lake Foot Trail, Clay Creek Trail, Varney Griffin Trail, Island In The Sky Trail, Dougherty Basin Trail, Round Willow Bottom, Lower Barker Trail, Joe Lay Trail, Flat Lake Trail, Blue Lake Trail, and the Under The Point Trail. On the Teasdale Ranger District 8 trails were inventoried: Great Western Trail, Behunin Creek Trail, Government Point Trail, Slickrock Trail, Great Western OHV Alternate Trail, Oak Creek Trail, Chidester Ridge Trail, and the Dry Bench OHV Trail.

Variation.

Trail mileage classed as inadequate (substandard) exceeds the current inadequate mileage shown in the analysis of the management situation. Although this is stated in the forest plan it is outdated, therefore the TRACS trail condition survey has been implemented. As noted above TRACS is the USFS Region 4 standard monitoring protocol for trail monitoring.

Results.

The Dixie National Forest inventoried 15.35% of the all of its miles of trails. The Pine Valley RD inventoried 15.67% of the trails on that district. The Cedar City RD inventoried 21.94% of the trails on that district. The Escalante RD inventoried 16.83% of the trails on that district. The Teasdale RD inventoried 37.37% of the trails on that district.

Interpretation.

Of the 15.35% trails inventoried in 2004, most (>80%) are substandard and need improvement. The TRACS process is designed more as an inventory system to identify current and needed trail

features. However, there are insufficient funds to correct most of the problems, let alone clear the trails of brush and blow down each year.

Monitoring Resources Available.

There were insufficient funds available to survey the required 20% of the forest's trails. This type of monitoring is labor intensive and requires a highly trained individual, thus can be expensive to conduct properly.

Recommendation.

Monitoring of the Dixie National Forest trail system should continue at the highest capacity allowed by the budget.

Developed Site Services

Methods.

Recreation use at developed sites is tracked two ways on the Dixie National Forest. First: the concessionaire tracks use at each of the individual campgrounds. Campground hosts at each of the sites keep track of the number of people at each area and reports this information to the forest. Second: the reservation system tracks the number of reservations made at sites in their system. This information is available from Reserve America in tabulated form. Since all sites are not on the reservation system the tables showing reservation sites shows only those sites on the system.

Information for the first table was obtained from the concessionaire and the hosts they have at each sites. This table has columns showing the number of sites at each campground and the number of days it was open. The column labeled potential sites available is calculated by multiplying days open by the number of sites. The column labeled Actual Sites Used shows the number of times campsites were occupied during the season. The actual sites used column was then divided by the potential sites available to give the percent of use. Use information was not available for Pine Lake, Red Canyon and King Creek at the time of this report.

Location.

See previous section.

Developed Site Facility Utilization for FY 03 and FY 04

Information taken from actual use information gathered by concessionaire

Campground	Number Sites	FY03				FY 04			
		Days open	Potential Sites Available	Actual Sites Used	% Use	Days open	Potential Sites Available	Actual Sites Used	% Use
Pine Valley Equestrian	18	123	2214	678	30.6%	135	2430	384	15.8%
Blue Springs	18	123	2214	1234	55.7%	135	2430	314	12.9%
Honeycomb Rocks	22	123	2706	99	3.7%	135	2970	295	9.9%
Yankee Meadows	29	123	3567		0.0%	119	3451	1514	43.9%
Cedar Canyon	18	123	2214	1268	57.3%	126	2268	1844	81.3%
Navajo Lake	32	123	3936	1168	29.7%	133	4256	2921	68.6%
Spruces	26	123	3198	897	28.0%	98	2548	2062	80.9%
Te-Ah	42	123	5166	2011	38.9%	119	4998	1717	34.4%
Duck Creek	94	123	11562	6253	54.1%	140	13160	7363	55.9%
Panguitch Lake South	17	123	2091	410	19.6%	119	2023	812	40.1%
Panguitch Lake North	49	123	6027	2452	40.7%	126	6174	2504	40.6%
White Bridge	28	123	3444	1337	38.8%	119	3332	1229	36.9%
Red Canyon	36	123	4428	3648	82.4%		0		#DIV/0!
King Creek	36	123	4428	2084	47.1%		0		#DIV/0!
Posy Lake	23	123	2829	995	35.2%	144	3312	1412	42.6%
Pine Lake	30	123	3690	923	25.0%		0		#DIV/0!
Barker Reservoir	14	123	1722	197	11.4%	130	1820	423	23.2%
Blue Spruce	6	123	738	214	29.0%	130	780	269	34.5%
Singletree	30	123	3690	1630	44.2%	138	4140	2529	61.1%
Pleasant Creek	17	118	2006	502	25.0%	117	1989	335	16.8%
Oak Creek	9	118	1062	470	44.3%	124	1116	288	25.8%
Pines	13	123	1599	622	38.9%	135	1755	1077	61.4%
South Juniper	11	123	1353	1145	84.6%	135	1485	1243	83.7%
North Juniper	13	123	1599	1134	70.9%	135	1755	1347	76.8%

The above table is a comparison showing changes in Recreation Use for FY 2003 and FY 2004 using information gathered by campground concessionaire.

Fourteen of twenty-four campgrounds or group areas on the Dixie National Forest are currently on the National Forest Reservation System under contract to Reserve America. This company keeps track of reservations made at each sites. If the number of people in the group is given while making the reservation Reserve America also keeps this information. Information kept by the reservation system identifies the number of days that a site is open for reservations and how many days the site is reserved during the season. This information is shown below in tabulated form.

The following tables are a summary taken from information provided by the reservation system for only those campgrounds within the system. Weekend use is the percent that sites within the campground was occupied on Friday, Saturday, and Sunday during the season. Weekday use is the remaining four days during the week. These tables show all of the reserve able sites within a campground, the number of days available, the days occupied and then give a percentage of time they were occupied on weekends and weekdays. It is obvious from these tables that sites are used heavily on weekends and some are used heavily during the week also but less frequently than weekends.

525-BLUE SPRINGS

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
	58	FS1NNN	1	Y	109	45	20.78	90.63	41.28	0	87	196	4704
PINE	42	FS3NNN	1	Y	109	96	84.42	96.88	88.07	18.75	267	881	21144
PINE	47	FS3NNN	1	Y	109	70	49.35	100	64.22	11.43	256	766	18384
SING	39	FS1NNN	1	Y	109	43	18.18	90.63	39.45	0	70	189	4536
SING	40	FS1NNN	1	Y	109	44	19.48	90.63	40.37	4.55	85	193	4632
SING	41	FS1NNN	1	Y	109	80	63.64	96.88	73.39	17.5	122	344	8256
SING	44	FS1NNN	1	Y	109	88	72.73	100	80.73	9.09	129	396	9504
SING	45	FS1NNN	1	Y	109	76	58.44	96.88	69.72	17.11	107	328	7872
SING	46	FS1NNN	1	Y	109	80	63.64	96.88	73.39	31.25	115	354	8496
SING	48	FS1NNN	1	Y	109	81	64.94	96.88	74.31	12.35	111	340	8160
SING	49	FS1NNN	1	Y	109	57	35.06	93.75	52.29	3.51	87	251	6024
SING	51	FS1NNN	1	Y	109	64	44.16	93.75	58.72	9.38	91	258	6192
SING	52	FS1NNN	1	Y	109	72	51.95	100	66.06	13.89	84	294	7056
SING	53	FS1NNN	1	Y	109	75	57.14	96.88	68.81	25.33	92	284	6816
SING	54	FS1NNN	1	Y	109	84	70.13	93.75	77.06	20.24	86	326	7824
SING	55	FS1NNN	1	Y	109	71	50.65	100	65.14	15.49	81	274	6576
SING	56	FS1NNN	1	Y	109	58	35.06	96.88	53.21	0	76	220	5280
SING	57	FS1NNN	1	Y	109	55	29.87	100	50.46	20	86	226	5424
Totals:					1962	1239	49.42	96.18	63.15	14.04	2032	6120	146880

1939-PINE VALLEY EQUESTRIAN CAMP

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
	1	FS1NNN	1	Y	111	23	10	48.39	20.7	0	33	86	2064
	2	FS1NNN	1	Y	111	12	3.75	29.03	10.8	0	20	50	1200
	3	FS1NNN	1	Y	111	15	5	35.48	13.5	0	22	56	1344
	9	FS1NNN	1	Y	111	15	8.75	25.81	13.5	33.33	22	51	1224
	10	FS1NNN	1	Y	111	24	12.5	45.16	21.6	0	37	95	2280
	12	FS1NNN	1	Y	111	11	6.25	19.35	9.91	0	16	39	936
	13	FS1NNN	1	Y	111	30	15	58.06	27	0	47	123	2952
Totals:					777	130	8.75	37.33	16.7	3.85	197	500	12000

526-PINE VALLEY GROUP FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
EAST	1	GP1NN2	1	Y	111	18	11.39	28.13	16.22	0	672	672	16128
GROU	3	GS3NNN	1	Y	111	66	43.75	100	59.46	4.55	1002	2820	67680
LOWE	1	GP1NNN	1	Y	111	14	2.53	37.5	12.61	0	805	805	19320
MIDD	4	GP1NNN	1	Y	111	20	10.13	37.5	18.02	5	2060	2060	49440
Totals:					444	118	17.03	50.39	26.58	3.39	4539	6357	152568

246-CEDAR CANYON

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
CEDA	4	FS1NNN	1	Y	89	33	23.81	69.23	37.1	21.21	65	128	3072
CEDA	6	FS1NNN	1	Y	89	36	30.16	65.38	40.5	0	97	203	4872
CEDA	7	FS1NNN	1	Y	89	36	31.75	61.54	40.5	8.33	81	174	4176
CEDA	17	FS1NNN	1	Y	89	36	30.16	65.38	40.5	5.56	52	135	3240
CEDA	19	GS2NNN	1	Y	89	23	17.46	46.15	25.8	21.74	207	614	14736
Totals:					1691	164	7.02	16.19	9.7	10.37	502	1254	30096

DEER HAVEN FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
DEER	1	GT1NNN	1	Y	89	28	20.63	57.69	31.46	0	434	1103	26472
Totals:					89	28	20.63	57.69	31.46	0	434	1103	26472

260-DUCK CREEK FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
B	38	FS1NNN	1	Y	89	43	31.75	88.46	48.31	6.98	72	188	4512
B	39	FS1NNN	1	Y	89	36	17.46	96.15	40.45	5.56	63	164	3936
B	40	FS1NNN	1	Y	89	44	33.33	88.46	49.44	0	71	206	4944
B	42	FS1NNN	1	Y	89	57	53.97	88.46	64.04	15.79	92	282	6768
B	43	FS1NNN	1	Y	89	48	39.68	88.46	53.93	16.67	63	208	4992
B	46	FS1NNN	1	Y	89	43	30.16	92.31	48.31	9.3	74	198	4752
B	47	FS1NNN	1	Y	89	51	44.44	88.46	57.3	9.8	95	281	6744
B	48	FS1NNN	1	Y	89	53	42.86	100	59.55	7.55	57	203	4872
DUCK	4	FS1NNN	1	Y	89	44	39.68	73.08	49.44	54.55	61	223	5352
DUCK	5	FS1NNN	1	Y	89	43	36.51	76.92	48.31	18.6	74	256	6144
DUCK	6	FS1NNN	1	Y	89	41	33.33	76.92	46.07	19.51	64	223	5352
DUCK	7	FS1NNN	1	Y	89	41	33.33	76.92	46.07	26.83	70	221	5304
DUCK	8	FS1NNN	1	Y	89	43	36.51	76.92	48.31	16.28	71	219	5256
DUCK	9	FS1NNN	1	Y	89	53	47.62	88.46	59.55	0	79	244	5856
DUCK	10	FS1NNN	1	Y	89	30	17.46	73.08	33.71	33.33	59	139	3336

DUCK	11	FS1NNN	1	Y	89	44	30.16	96.15	49.44	31.82	71	191	4584
DUCK	12	FS1NNN	1	Y	89	40	31.75	76.92	44.94	12.5	83	211	5064
DUCK	13	FS1NNN	1	Y	89	45	34.92	88.46	50.56	13.33	51	212	5088
DUCK	17	FS1NNN	1	Y	89	59	57.14	88.46	66.29	37.29	60	228	5472
DUCK	18	FS1NNN	1	Y	89	63	60.32	96.15	70.79	17.46	82	300	7200
DUCK	19	FS1NNN	1	Y	89	63	58.73	100	70.79	30.16	85	228	5472
DUCK	20	FS1NNN	1	Y	89	56	52.38	88.46	62.92	42.86	51	180	4320
DUCK	24	FS1NNN	1	Y	89	57	57.14	80.77	64.04	43.86	45	236	5664
DUCK	25	FS1NNN	1	Y	89	59	52.38	100	66.29	22.03	75	252	6048
DUCK	26	FS1NNN	1	Y	89	52	49.21	80.77	58.43	21.15	80	290	6960
DUCK	27	FS1NNN	1	Y	89	55	50.79	88.46	61.8	29.09	71	272	6528
DUCK	28	FS1NNN	1	Y	89	51	47.62	80.77	57.3	11.76	74	278	6672
DUCK	29	FS1NNN	1	Y	89	57	52.38	92.31	64.04	19.3	58	226	5424
DUCK	30	FS1NNN	1	Y	89	47	38.1	88.46	52.81	14.89	71	261	6264
DUCK	31	FS1NNN	1	Y	89	37	23.81	84.62	41.57	13.51	58	161	3864
DUCK	32	FS1NNN	1	Y	89	38	28.57	76.92	42.7	42.11	55	186	4464
DUCK	33	FS1NNN	1	Y	89	42	28.57	92.31	47.19	0	63	198	4752
DUCK	34	FS1NNN	1	Y	89	35	20.63	84.62	39.33	14.29	63	181	4344
DUCK	35	FS1NNN	1	Y	89	45	38.1	80.77	50.56	22.22	71	205	4920
DUCK	36	FS1NNN	1	Y	89	33	26.98	61.54	37.08	24.24	49	170	4080
DUCK	37	FS1NNN	1	Y	89	50	47.62	76.92	56.18	0	58	287	6888
PICN	1	GA1NNN	1	Y	89	30	14.29	80.77	33.71	0	750	2100	50400
PONP	1	GS1NNN	1	Y	89	13	4.76	38.46	14.61	23.08	425	900	21600
RND	1	GS1NNN	1	Y	89	45	31.75	96.15	50.56	11.11	570	2023	48552
WAGO	1	GS1NNN	1	Y	89	55	49.21	92.31	61.8	12.73	559	1773	42552
Totals:					5340	1841	25.42	56.41	34.48	19.12	4743	14804	355296

307-PANGUITCH LAKE FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
BLUE	1	GS1NN3	1	Y	89	22	20.63	34.62	24.72	22.73	161	595	14280
NORT	2	FS2NNN	1	Y	89	40	33.33	73.08	44.94	32.5	122	431	10344
NORT	3	FS1NNP	1	Y	89	41	34.92	73.08	46.07	48.78	66	264	6336
NORT	4	FS2NNN	1	Y	89	39	25.4	88.46	43.82	0	138	340	8160
NORT	6	FS1NNP	1	Y	89	38	34.92	61.54	42.7	7.89	53	172	4128
NORT	11	FS2NNN	1	Y	89	24	15.87	53.85	26.97	41.67	94	258	6192
NORT	12	FS2NNN	1	Y	89	23	12.7	57.69	25.84	0	76	223	5352
NORT	13	FS2NNN	1	Y	89	29	14.29	76.92	32.58	0	97	256	6144
NORT	14	FS1NNP	1	Y	89	31	25.4	57.69	34.83	6.45	51	148	3552
NORT	16	FS1NNN	1	Y	89	40	33.33	73.08	44.94	35	50	175	4200
NORT	17	FS2NNN	1	Y	89	32	30.16	50	35.96	68.75	45	260	6240
NORT	35	FS1NNN	1	Y	89	22	12.7	53.85	24.72	31.82	42	107	2568
NORT	36	FS1NNN	1	Y	89	28	22.22	53.85	31.46	10.71	35	121	2904
NORT	37	FS1NNN	1	Y	89	28	17.46	65.38	31.46	0	43	130	3120
NORT	38	FS1NNN	1	Y	89	29	19.05	65.38	32.58	13.79	63	171	4104
NORT	39	FS1NNN	1	Y	89	31	17.46	76.92	34.83	6.45	54	166	3984
NORT	40	FS1NNP	1	Y	89	32	17.46	80.77	35.96	0	84	256	6144

NORT	41	FT1NNN	1	Y	89	25	15.87	57.69	28.09	12	47	98	2352
NORT	42	FS1NNP	1	Y	89	36	33.33	57.69	40.45	0	98	259	6216
NORT	43	FS1NNN	1	Y	89	28	22.22	53.85	31.46	57.14	31	98	2352
NORT	44	FS1NNN	1	Y	89	36	25.4	76.92	40.45	13.89	48	148	3552
NORT	45	FS1NNN	1	Y	89	35	34.92	50	39.33	0	43	155	3720
NORT	46	FS1NNN	1	Y	89	30	19.05	69.23	33.71	0	58	163	3912
NORT	47	FS1NNN	1	Y	89	36	31.75	61.54	40.45	5.56	57	184	4416
NORT	48	FS1NNP	1	Y	89	41	39.68	61.54	46.07	48.78	54	160	3840
NORT	49	FS1NNP	1	Y	89	38	34.92	61.54	42.7	0	71	214	5136
NORT	14A	FS1NNN	1	Y	89	7	3.17	19.23	7.87	0	15	35	840
PANG	1	GS1NNN	1	Y	89	27	23.81	46.15	30.34	0	243	735	17640
PICN	1	GS1NN2	1	Y	89	14	7.94	34.62	15.73	7.14	372	624	14976
Total:					4539	882	13.32	34.24	19.43	17.23	2411	6946	166704

342-TE-AH FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
TE-A	20	FS1NNN	1	Y	89	33	26.98	61.54	37.08	9.09	92	159	3816
TE-A	21	FS1NNN	1	Y	89	44	36.51	80.77	49.44	11.36	117	243	5832
TE-A	22	FS1NNN	1	Y	89	27	17.46	61.54	30.34	3.7	62	148	3552
TE-A	23	FS1NNN	1	Y	89	23	12.7	57.69	25.84	8.7	44	127	3048
TE-A	24	FS1NNN	1	Y	89	30	22.22	61.54	33.71	0	53	130	3120
TE-A	25	FS1NNN	1	Y	89	38	30.16	73.08	42.7	18.42	61	193	4632
TE-A	26	FS1NNN	1	Y	89	31	17.46	76.92	34.83	16.13	57	146	3504
TE-A	27	FS1NNN	1	Y	89	37	25.4	80.77	41.57	0	69	162	3888
TE-A	28	FS1NNN	1	Y	89	40	31.75	76.92	44.94	10	49	170	4080
TE-A	29	FS1NNN	1	Y	89	43	39.68	69.23	48.31	9.3	53	181	4344
TE-A	30	FS1NNN	1	Y	89	39	33.33	69.23	43.82	17.95	49	203	4872
TE-A	31	FS1NNN	1	Y	89	39	33.33	69.23	43.82	35.9	49	185	4440
TE-A	32	FS1NNN	1	Y	89	25	19.05	50	28.09	0	37	136	3264
TE-A	33	FS1NNN	1	Y	89	36	28.57	69.23	40.45	8.33	48	177	4248
TE-A	34	FS1NNN	1	Y	89	36	30.16	65.38	40.45	0	43	136	3264
TE-A	35	FS1NNN	1	Y	89	40	36.51	65.38	44.94	0	43	149	3576
TE-A	36	FS1NNN	1	Y	89	37	28.57	73.08	41.57	0	57	147	3528
TE-A	37	FS1NNN	1	Y	89	52	49.21	80.77	58.43	7.69	64	216	5184
TE-A	38	FS1NNN	1	Y	89	31	23.81	61.54	34.83	45.16	33	93	2232
TE-A	39	FS1NNN	1	Y	89	34	25.4	69.23	38.2	5.88	41	149	3576
TE-A	40	FS1NNN	1	Y	89	21	7.94	61.54	23.6	0	37	91	2184
TE-A	41	FS1NNN	1	Y	89	25	19.05	50	28.09	0	36	105	2520
TE-A	42	FS1NNN	1	Y	89	20	17.46	34.62	22.47	20	37	91	2184
Totals:					3738	781	14.59	36.17	20.89	10.12	1231	3537	84888

356-WHITE BRIDGE FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
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WHIT	1	FS1NNN	1	Y	89	31	28.57	50	34.83	0	50	111	2664
WHIT	2	FS1NNN	1	Y	89	40	33.33	73.08	44.94	0	62	228	5472
WHIT	3	FS1NNN	1	Y	89	35	31.75	57.69	39.33	8.57	57	152	3648
WHIT	4	FS1NNN	1	Y	89	33	22.22	73.08	37.08	21.21	59	132	3168
WHIT	5	FS1NNN	1	Y	89	25	12.7	65.38	28.09	0	46	130	3120
WHIT	19	FS1NNN	1	Y	89	60	55.56	96.15	67.42	33.33	56	256	6144
WHIT	20	FS1NNN	1	Y	89	49	41.27	88.46	55.06	16.33	64	206	4944
WHIT	21	FS1NNN	1	Y	89	45	39.68	76.92	50.56	11.11	60	195	4680
WHIT	22	FS1NNN	1	Y	89	22	9.52	61.54	24.72	0	36	109	2616
WHIT	23	FS1NNN	1	Y	89	12	6.35	30.77	13.48	0	11	30	720
WHIT	24	FS1NNN	1	Y	89	22	20.63	34.62	24.72	54.55	17	98	2352
Total:					2581	374	10.4	24.4	14.49	14.71	518	1647	39528

101-KINGS CREEK FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
KING	1	GS1NNN	1	Y	110	67	48.72	90.63	60.9	2.99	1280	3820	91680
Totals:					110	67	48.72	90.63	60.9	2.99	1280	3820	91680

3864-BARKER RECREATION AREA FY04

Loop Name	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
1	FS1NNN	1	Y	118	3	2.38	2.94	2.54	0	8	24	576
2	FS2NNN	1	Y	118	5	2.38	8.82	4.24	0	20	52	1248
3	FS1NNN	1	Y	118	0	0	0	0	0	0	0	0
4	FS2NNN	1	Y	118	5	3.57	5.88	4.24	0	19	50	1200
5	FS1NNN	1	Y	118	13	8.33	17.65	11.02	0	25	78	1872
6	FS1NNN	1	Y	118	12	7.14	17.65	10.17	0	16	46	1104
7	FS1NNN	1	Y	118	0	0	0	0	0	0	0	0
8	FS1NNN	1	Y	118	0	0	0	0	0	0	0	0
G01	GA1NNN	1	Y	118	12	8.33	14.71	10.17	0	93	333	7992
L01	GA1NNP	1	Y	118	17	11.9	20.59	14.41	11.76	190	655	15720
P01	GA1NNN	1	Y	118	4	2.38	5.88	3.39	0	35	140	3360
Totals:				2124	71	2.58	5.23	3.34	2.82	406	1378	33072

103-PINE LAKE DRY FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
JOHN	3	GS1NNN	1	Y	104	41	25.68	73.33	39.42	9.76	553	1758	42192
MKUL	15	FS2NNN	1	Y	104	39	22.97	73.33	37.5	17.95	145	414	9936
PINE	1	GS1NNN	1	Y	104	17	8.11	36.67	16.35	0	415	1010	24240
SING	14	FS1NNN	1	Y	104	35	27.03	50	33.65	22.86	62	174	4176
SING	16	FS1NNN	1	Y	104	26	14.86	50	25	7.69	54	121	2904
SING	17	FS1NNN	1	Y	104	20	9.46	43.33	19.23	0	39	111	2664
SING	26	FS1NNN	1	Y	104	37	25.68	60	35.58	8.11	46	164	3936

SING	27	FS1NNN	1	Y	104	23	12.16	46.67	22.12	30.43	39	121	2904
SING	28	FS1NNN	1	Y	104	28	18.92	46.67	26.92	21.43	51	134	3216
SING	32	FS1NNN	1	Y	104	16	6.76	36.67	15.38	12.5	36	98	2352
WILD	2	GS1NNN	1	Y	104	30	18.92	53.33	28.85	0	442	1196	28704
Totals:					3432	312	5.77	17.27	9.09	12.5	1882	5301	127224

104-POSY LAKE CAMPGROUND FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
FAM	6	FS1NNN	1	Y	117	31	25.88	28.13	26.5	35.48	36	141	3384
FAM	7	FT1NNN	1	Y	117	46	30.59	62.5	39.32	0	54	172	4128
FAM	8	FS1NNN	1	Y	117	41	30.59	46.88	35.04	0	52	230	5520
FAM	11	FS1NNN	1	Y	117	50	41.18	46.88	42.74	12	76	260	6240
FAM	14	GS1NNN	1	Y	117	43	30.59	53.13	36.75	6.98	302	1043	25032
Totals:					2691	211	6.91	10.33	7.84	9.48	520	1846	44304

105-SINGLETREE FY04

Loop Name	Site #	Site Type	Total Sites	Rsrv Site	Days Avail	Days Occup	% Usage Wkdys	% Usage Wkends	Total % Use	Golden Passport Days	Site Visits	Rec Day	No. Of Vis Hrs
SING	A	GS1NNN	1	Y	115	43	24.39	69.7	37.39	4.65	607	1377	33048
SING	B	GS1NNN	1	Y	115	36	19.51	60.61	31.3	8.33	483	1219	29256
Totals:					3910	79	1.29	3.83	2.02	6.33	1090	2596	62304

Interpretation.

Blue Springs, the only campground where there is 100% of the site on the reservation system, shows a discrepancy between use reported by the reservation system and that reported by the concessionaire. The reservation system shows an average of 63.15% use during 2004 and the concessionaire shows 12.9%. The district needs to keep closer tabs on the concessionaire to determine if there is an error in their reporting.

Information obtained from the concessionaire shows during 2004 six of the developed sites on the forest were occupied more than 60% of the time. Cedar Canyon, Navajo Lake, Spruces, Singletree, Pines, South Juniper and North Juniper were all heavily used over 60% of the time. The reservation system numbers show only Blue Spruce being used over 60% of its capacity. Looking at individual sites on the reservation system spreadsheets several individual sites are heavily used. Some individual sites in the more popular campgrounds were full 100% of the time on weekends.

Districts should monitor facilities and vegetation at sites and campgrounds where use is over 60% to determine if the use is causing damage. Sites on the reservation system with heavy used should be evaluated to determine their desirable characteristics and sites with similar attributes may be evaluated to put on the system to reduce use in heavily used sites.

Monitoring Resources Available.

Monitoring was accomplished with existing contracts and special use permits funded at the national level or from campground proceeds. No further funding is needed.

Recommendation.

This monitoring will continue with present obligations and the forest only needs to compile the information. The monitoring should continue to determine what use is occurring at developed sites.

Variation.

The Forest Plan (V-3) states that if use of an individual site exceeds 60% of theoretical capacity for the summer season changes should be considered for further evaluation or management action.

Results.

Data collect by the campground hosts for Cedar Canyon, Navajo Lake, Spruces, Single Tree, Pines, North Juniper and South Juniper Campgrounds show utilization over 60%. These campgrounds will require intensive monitoring during the summer of 2005 to determine if resource damage is occurring due to the use. Information from the reservation system statistics show that Blue Springs Campground was used 63% of the time for those sites available on the reservation system. But according to information from the concessionaire, who was on site, the campground, as a whole, was only used 12% of the time. This information is an indication that the district should consider putting more of the sites on the reservation system to more fully utilize the campground. The same is true of Kings Creek Group site, which was reserved over 90% of the time on the reservation system for weekends and yet during 2003 the campground was only used slightly over 40%. Putting the campground in the reservation system could improve utilization.