105/0-340

FINAL REPORT Visitor Carrying Capacity Analysis



MT. RAINIER National Park • Washington

United States Department of the Interior National Park Service Denver Service Center

> Prepared By BRW, Inc.

> > July 1999

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ADDENDUM

Modification to Capacity Estimates

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Changes have been made in the standards for encounters on the high-use and moderate use climbing routes on Mount Rainier. New methods of determining the likely encounter rates for day-use and overnight climbers also have been developed. These modifications to the original carrying capacity methodology have changed the estimated carrying capacity of the Paradise and White River activity areas. New capacity tables for these areas are attached. These pages should REPLACE the corresponding pages in the Trailhead/Activity Areas section of the Visitor Carrying Capacity Analysis.

A memo documenting the new encounter rates, which treat each of the major climbing routes as single management units, and the method used to estimate the resulting capacity of the routes also is attached. This memo MODIFIES the material in the Methodology section of the Carrying Capacity Analysis.

Paradise (Map #7, #8) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

					Allowed			% of Trail Users	Max Visitors at		
				Avg. Time on	Encounters /	Max, Arrival	Max Visitors at	from This	One Time from	Max Users per Day	Per Day
Treithead	Trail	Zone	Туро	Trail (Hrs)	Visit	Rate / Hour	One Time	Trailhead	Trailhead	from Trailhead	Estimated Use
Paradise	Lakes	Semi	Loop	5.00	37.50	7.50	37.50	0.40	15.00	24,00	20.00
4th Crossing	Lakes	Semi	Loop	5.00	37.50	7.50	37.50	0.10	3.75	6.00	2.50
Paradise	Paradise Glacier	Semi	In-Out	3.00	22.50	3.75	11.25	0.80	9.00	24.00	16.00
4th Crossing	Paradise Glacier	Semi	in-Out	3.00	22.50	3.75	11.25	0.20	2.25	6.00	4.00
Paradise	High Lakes	Semi	In-Oul/Through	0.50	3.75	5.77	2.88	0.50	1.44	23.08	2.50
4th Crossing	High Lakes	Semi	In-Out/Through	0.50	3.75	5.77	2.88	0.25	0.72	11.54	2.50
TOTAL WILDERN	ESS DAY USE								32.16	84.62	47.50

Wildemess Management Units - Day and Overnight Use

Unit	Zone Class	TYPE	Unit Name	Primary Trailhead	Hide	Adjusted Usable Acres	Encounters/Hr Allowed Within Standard	Area Covered / Hr (Acres)	Area Needed / Party at Standard (Acres)	Number of Parties Allowed (at one time)	Number of People Allowed (at one time)	Overnight Carrying Capacity (people per night)	Existing Use (camper nights per yr)
ADIS	HIGH USE CLIMBING	GLACIER	DISAPPOINTMENT CLEAVER	Paradise	NA	NA NA	22.75	NA	21.05	incl in Ingraham	0.00	0.00	12.00
AING	HIGH USE CLIMBING	GLACIER	INGRAHAM FLATS	Paradise	N/	NA NA	22.75	NA	21.05	60.67	182.00	36.00	1135.00
AMU	HIGH USE CLIMBING	GLACIER	MUR SNOWFIELD	Paradise	N	NA NA	62.50	NA	21.05	130.67	392.00	36,00	737.00
APBL	HIGH USE CLIMBING	BACKCOUNTRY	PEBBLE CREEK	Paradise	NA	NA NA	62.50	NA	21.05	Incl in Mair	Incl in Muir		
AKFF	MOD. USE CLIMBING	BACKCOUNTRY	KAUYZ/FUHER ROUTE	Paradise	NA	NA NA	9.38	NA	NA	25.00	75.00	45.00	1120.00
ACOW	PRIMITIVE	BACKCOUNTRY	COWLITZ ALPINE	Paradise	1.00	1245.26	0.25	285.66	1142.65	2.00	6,00		
ACOG	PRISTINE	GLACIER	· COWLITZ GLACIER	Paradise	1.00	1419.57	0.13	285.66	2285.31	2.00	6.00		
AMUE	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR EAST	Paradise	1.00	88.16	0.13	285.66	2285.31	2.00	6.00		
AMUW	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR WEST	Paradise	1.00	125.76	0.13	285.66	2285.31	2.00	6.00		
AMUW	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR WEST	Paradise	1.00	53,45	0.13	285.65	2285.31	2.00	6.00		
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradise	1.00	526.24	0.13	285.66	2285.31	2.00	6.00	10.00	320.00
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradise	1.00	23.24	0.13	285.66	2285.31	2.00	5.00	10.00	320.00
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradise	1.00	155.69	0.13	285.66	2285.31	2.00	6.00		
XTCR	PRISTINE	BACKCOUNTRY	TATOOSH CREEK	Paradise	5,00	16.85	0,13	42.85	342.84	2.00	6.00		
ACTH			THUMB ROCK	Paradise				12.00	542.04	2.00	0.00	6.00	199.00
ACCH			CAMP HAZARD	Paradise							0.00	30.00	199.00
ASUM	HIGH USE CLIMBING	GLACIER	SUMMIT	Paradise/WhI Riv	1.00	NA	See Muir Snowfield	NA	21.05	NA	NA	0.00	242.00
TOTAL					1.00		oco man anomicia	100	21.05	234	703.00		249.00
										234	102.00	163	3772

Traliside Camps

								Overnight Use	Existing Use
Unit	7	<u> </u>		Primary		Adjusted Usable	Annual	Limit (people per	(camper nights per
	Zone Class	Тура	Unit Name	Trailhead OLDZONE	ACRES	Acres	Occupancy	night)	yr)
BCCM			Camp Muir	Paradise				110	6,848
TOTAL								110	0,040

Front Country Trails

		Capacity - PAOT	Capacity - Persons per Day (2.5 Turnover Per Day)	Estimated Daily Use	notes:
Alta Vista		223	559	506.00	1995 "PAOT Reduced for all "upper loop" trails and the Skiyline trail to reflect "semiwilderness" character
Avalanche Lilly		98	244	865.00	
Deadhorse Creek		292	731	232.00	1995
Fourth Crossing		37	92	75.00	Park
Glacler Vista		20	51	150.00	Park
Golden Gale		102	254	150.00	Park
Guide House	2 minutes	5	1,248	600.00	BRW est
High Skyline		81	203	298.00	Park
Lower Lakes	non-wilderness portion	134	335	25.00	Park
Moraine		20	51	25 00	Park
Nisqually Visla		219	548	365.00	1985
Pebble Creek		73	183	222.00	1995
Skyline		731	1,828	1430.00	1995
Waterfall		65	163	100.00	Park
TOTAL		2,101	6,240	5,043	Daily Capacity Does not Include Guidehouse Trail, assumed to be a feeder to all other trails
Note: Visitore may u	se multiple balls				

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Paradise (Map #7, #8) - Total Visitation Capacity (Continued)

Buildings/Facilities						
	Units	Туре	Factor		PAOT	Persons/Day
Jackson Visitor Center		Park Estimated			350	1,474 1.9 hours
Picnic Area	82.00	Tables	3.00	persons/table	246	615 2.5 turns per table
Paradise Inn	129.00	Rooms	3.00	persons/room	387	387 Note: most rooms vacant at max, area occupancy
Paradise Inn - Lounge	432.00	SF	28.75	SF/Person	15	38 2.5 turns per table
Gift Shop/Snack Bar	2200.00	SF	28.75	SF/Person	77	1224 30 minute avg. stay
Paradise Inn Lobby	5968.00	SF	69.00	SF/Person	86	1384 30 minute avg. stay
Guide House Sales	1943.00	SF	38.00	SF/Person	51	818 30 minute avg. stay
Guide House Restrooms	738.00	SF	45.00	SF/Person	15	513
Ranger Station	72.00	SF	17.00	SF/Person	4	66
Total					884	5,287 Note: Each visitor will use multiple areas
Summary	PAOT	Persons Per Day	Notes:			
Wildemess Trails - Day Users	32		95			
Cross Country Zones - Day Users	430	Part of Front Country Trails				
Cross Country Zones - Overnight	163	Part of Front Country Trails				
Trailside Camps - Overnight	110	Part of Front Country Traits				
Front Country Trails	2,101	5	,240 Assumes turinove	r of 2.5 times, per	1993 Study	
Facilities/Buildings	884	2	667 Assumes 33 perc	ent of all visitors d	on't use traits	
TOTAL	3,720	8,	,001 Day use in cross	country zones excl	luded	
	Total	Day Use	Overnight			
TOTAL CAPACITY - PAOT	3,720	3	,284 389	assumes 30 perc	ent of hotel roa	oms occupied at time of area maximum occupancy
TOTAL CAPACITY - Persons Per Day	8,001	7,	,341 660			
TOTAL CURRENT USE	9.780 b	ased on traffic counts, some ma	v not stop in area			
OBSERVED 1993 (Aug) PARKING OCCUPANCY		270 vehicles, less 40 employee	• •	PAOT assuming	3.0 per vehicle	
Parking Needed at PAOT	1,378		Parking supply a	•	756	spaces not including "down the road" parking
Hourly Factor	15 441 +-	affic counts entering Paradise in	1007			
Hourty Demand	1,316	mic coords entering Paradise In	1233			

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White River (Map #11, #6) - Total Visitation Capacity

Day Use of Wilderness Trails

				Avg. Time	Allowed		%	6 of Trail Users	Max Visitors at	Max Users per	Per Day	1996 Observed	1995 Weekend
				on Trail	Encounters /	Max. Arrival	Max Visitors	from This	One Time from	Day from Es	timated Use	Max, Use Per	Day w/ Good
Trailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	Trailhead	Trailhead	(Att, 5)	Day	Weather
White River C.G.	Glacier Basin - Emmons Cut-off	Transition	In-Out	2.00	25.00	6.25	12.50	0.90	11.25	45.00	60.00	139.00	
White River C.G.	Glacier Basin - to Basin	Transition	In-Out	2.00	25.00	6.25	12.50	0.70	8.75	35.00	42.00		57.00
White River C.G.	Glacier Basin - Climbers	Transition	In-Out	2.00	25.00	6.25	12.50	0.30	3.75	15.00	18.00		
White River C.G.	Wonderland-W.R. to Sunrise	Semi	Through	2.50	18.75	7.50	18.75	0.20	3.75	12.00	3.00		
White River C.G.	Emmons Moraine	Transition	In-Out	1.50	18.75	6.25	9,38	1.00	9.38	50.00	50.00		
TOTAL									36.88	107.00	113.00		

Wilderness Management Units - Day and Overnight Use

Wilderness M	anayement Onns . Day and Overnig	fiit 030											
						Er	icounters/Hr				Number of	Overnight	
						Adjusted	Allowed		Area Needed /	Number of Parties	People	Carrying	Existing Use
				Primary		Usable	Within	Area Covered /	Party at Standard	Allowed (at one All	owed (at one Ca	pacity (people	(camper nights
Unit	Zone Class	TYPE U	Unit Name	Trailhead	Hide	Acres	Standard	Hr (Acres)	(Acres)	time)	time)	pør night)	per yr)
AEMR	MOD, USE CLIMBING	GLACIER 1	EMMONS ROUTE	White River	NA	NA	31,25	NA	NA	30.00	90.00	48.00	788.00
AGLA	PRIMITIVE	BACKCOUNTR	GLACIER BASIN	White River	1.00	357.02	0.25	285.66	1142.85	2.00	6.00		
XWIT	PRIMITIVE	BACKCOUNTR	UPPER WHITE RIVE	White River	1.00	37.65	0.25	285.66	1142.65	2.00	6.00		
XWIT	PRIMITIVE	BACKCOUNTR	UPPER WHITE RIVE	White River	1.00	587.05	0.25	285.66	1142.65	2.00	6.00		
AEMG	PRISTINE	GLACIER	EMMONS GLACIER	White River	1.00	2290.63	0.13	285 66	2285.31	2.00	6.00		
AINT			INTERGLACIER	White River						Incl in Emmons In	cl in Emmons	24.00	148.00

TOTAL

Trailside Camps

Unit BCGB BCCS XCUR	Zone Class TRANSITION Camp Curtis	Туре САМР	Unit Name GLACIER BASIN CA CAMP SCHURMAN LOWER CURTIS RID	White River White River		ACRES 7.7390	Adjusted Usable Acres 7.76	Occupancy	20.00 48.00 10.00	Existing Use (camper nights per yr) 1266.00 2181.00	69.00
TOTAL									78.00	3447.00	
Front Country Facili	ities	Uni	ts Type	Factor		PAOT	Persons/Day				
Campground Picnic		112.0 5.0			Persons/Site ersons/Table			Assume amphither	ater used by campers		
Total						351	374				
TOTAL CAPACITY - TOTAL CAPACITY -			Assume 25 percent of Assume 25 campgrou								
OBSERVED 1993 (A Parking Needed for	ug) PARKING OCCUPANCY PAOT	21	 51 vehicles = about 90 percent maximum spaces for CG 	153 occupancy	PAOT Parking supp	i day use area bly =	51	spaces			
Hourly Demand Factor Hourly Demand	source: 1993 study at max. capacity	17.37									

936.00

38.00

114.00

72.00

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July 7, 1999

Larry Beal, AICP National Park Service - Denver Service Center 12795 W. Alameda Parkway Denver, CO 80255

RE: Mount Rainier - Visitor Carrying Capacity Analysis Final Report Task Order 18

Dear Larry:

We have revised the Visitor Carrying Capacity Analysis Report based on your comments dated June 11, 1999 (via e-mail). The following is the status of your comments and questions, and how we addressed them in the Final Report.

1. I have re-read the Task Order - The task order specifically states that existing conditions and maximum capacities for both winter and summer be developed. Can you help me understand what happened to the winter components?

DSC concluded that encounter rates do not change. Also, no data is available on visitor use (other than parking occupancy. Therefore different capacities could not be developed for winter.

2. Are you comfortable enough with the revised simplified carrying capacity process to include it in the document?

Yes, we included the revised carrying capacity flowchart in the document (pages 6 and 7).

3. Is there a specific reason for the title wording? - I would prefer "Visitor Carrying Capacity Analysis" which seems to be more reflective of the document content.

The title was changed accordingly (see Cover and Title page).

4. Purpose, 1st para, last sent: insert "an inventory of" before wilderness trails

This change was made (page 1).

5. Purpose 2nd para, sent 3: delete "of uses allowed" and add to end of sent: "and desired resource conditions."

This change was made (page 1).

6. Purpose 2nd para, sent 4: add to end of sent: "and the desired resource conditions in that zone."

This change was made (page 1).

7. Purpose, 3, para 4 1st sent - The carrying capacity analysis documented in this report estimates an allowable level of visitor use or capacity for each park management zone.

This sentence was added (page 1).

METHODOLOGY

Visitor Activity Areas: Change first paragraph to read: "The General Management Plan applied a Visitor Experience and Resource Protection Carrying Capacity Process for Mount Rainier National Park to ensure that visitation does not impair its resources and compromise its quality as a national park. Carrying capacity is a measure used to determine what types and levels of visitor use can be accommodated while maintaining resource and social conditions consistent with the purposes of the park and its management objectives.

The park was divided into a set of prescriptive management zones. The wilderness portions of the park were divided into six management zones including wilderness trails, trailside camps, wilderness management units (old cross-country zones), climbing routes, etc. Each prescriptive management zone specifies a particular combination of desired physical, biological, and social conditions.

The non-wilderness or frontcountry portions of the park were divided into seven prescriptive management zones including trails, roads, visitor facilities, picnic areas, campgrounds, concessions sales areas, administrative support facilities, etc."

This language was added (page 2).

8. Table 1: The GMP and management zone definitions use encounters per DAY. It would be clearer to express the encounter rates per day and then note that the daily encounters were converted to hourly encounters (assuming an 8-hour day) for the purposes of applying the mathematical carrying capacity mode.

All encounter rates were changed to encounters per day (page 2).

9. Page 2, 2nd sentence, 2nd paragraph, change to read: "The wilderness management zones were organized according to trailheads or major activity centers that provided the most convenient access."

This change was made (page 2).

10. Wilderness Trails, 1st sent. - It would seem to me that the management zone designation would be determined by the management zone that included the longest segment for each trail. Can we discuss this?

No. The trails have zone designations that are distinct from the zones the trails traverse. The park assigned designations to the trails based on factors that I assume included the designation of the surrounding wilderness zones, but also included other factors.

11. Wilderness Trails 2nd para, 3 sent. - Can you define how you are using "allowable arrival rate"?

The arrival rate is expressed as the number of people that can arrive at the trailhead per hour while not exceeding the allowable encounter rate (which is expressed as allowable encounters per hour, based on daily encounters divided by an eight-hour day).

12. Is the arrival rate based on an 8 - hour day?

Yes, the arrival rate is based on an 8-hour day.

13. Wilderness Management Units - Can you explain the difference between zone classification unit and wilderness management unit?

Zone classification units are designations (i.e. pristine, primitive, etc.) and wilderness management units are specific areas in the Park. For example, a wilderness management unit would have a zone classification.

14. Wilderness management unit, line 2 - Clarify that "(groups of three people) is an assumption based on observation.

This clarification was made (page 4).

15. Page 4, para 3, line 2 - what does "correct the scale" mean?

This reference was deleted. "Correct the scale" means to multiply the Park GIS data by a factor (provided by the Park GIS department) to place it in relative space.

16. Page 4, para 5, line 3 - change than to then

This change was made (page 4).

17. Page 4, para 6, line 2 - define Management unit tab

The Management unit tab is a section in the appendix of the document.

18. Trailside Camps, line 1 - Are the use limits discussed here the same as existing use levels?

No. The use limits are the capacity of the camps as determined by park staff. Existing use levels may be the same as capacity but are generally lower.

19. Non-Wilderness, line 5 - please define level of service C or D

Level of service C and D were defined (page 5).

20. Non-wilderness, para 1, sent 5 - Why was level of service A adopted? I assume it was based on existing use levels and use levels that could be accommodated while ensuring the protection of resources and maintaining high quality visitor experiences.

We discussed using LOS A and LOS B with the DSC and park staff. LOS A is the highest (least crowded) level defined for busy (urban) pedestrian environments. The capacity resulting from LOS A standards was compared to existing use levels, but existing use levels were not directly used to determine that LOS A was appropriate. LOS A reflects a starting point for use management that would result in a high quality visitor experience based on adopted standards for high activity areas. Monitoring of resource conditions would need to be done over time to confirm that the resulting use levels were consistent with resource protection objectives.

21. Non-Wilderness, para 1, last sent. - I thought that all of the trails in the nonwilderness are defined as level of service A. Why does this sentence say that "some of the longer trails" have a reduced level of service. Who made this determination. I assume that it was based on trail conditions AND resource conditions. How many "longer trail segments" were used?

We made the judgement that the allowable use levels that resulted from using LOS A for very long trail sections seemed too high. Our rationale for reducing the capacity of the longer trails was that, because of their length, they may function somewhat more like a wilderness trail even though they are located entirely within non-wilderness areas. There were a total of two or three "longer" trails that fit this situation.

22. Limitation of Capacity Analysis - line 5 - Can you specify the "other factors" that the BRW team used professional judgement?

Directional split on loop trails and directional split of visitors and length of time spent along longer trails (in the absence of ranger information).

23. Limitation of Capacity Analysis - line 6 - explain or delete "and for identifying major issues with respect to visitation capacity and current levels of visitor use."

This statement was deleted (page 8).

24. Major Findings - Suggest a more clarifying statement in the first sentence. Perhaps using the following language in the draft study is more appropriate: "In general, the analysis of the capacity and use of visitor areas in Mount Rainier National Park shows that visitation in the park, as a whole, is not in excess of capacity. However, several areas have visitation that exceeds the capacity during good weather summer weekends and holidays at the defined *standards to achieve the desired resource and social conditions*. There may be opportunities to shift demand to less crowded areas by providing specialized transportation services or other incentives." It would seem like a good point to also suggest redistribution of visitors in terms of encouraging weekday and shoulder season visits rather than coming during the peak summer weekends. The park's resources can, in general, handle more capacity overall. The park's major visitor activity areas are not able to accommodate peak use and ensure that resources are protected and high quality visitor experiences maintained.

This language was added (page 9).

25. Last two sentences in 1st paragraph appear contradictory. If the parking provided at trailheads is generally sufficient to serve the number of people at one time that can be accommodated on the trails, then how is increased visitation going to bring the park to the point of reducing the number of parking spaces at the trailhead? Since the number of spaces currently existing is finite, then it would seem that it is primarily that number and the turnover rate that determines the paot and # of people on the trail

during the average 8-hour period. We would neither increase nor decrease parking unless use on the trail was less than or greater than the desired standard.

The first sentence was deleted (page 9).

26. The 2nd paragraph is misleading. Available parking is also inadequate to meet the carrying capacity at Paradise, and visitation is also higher than capacity at Sunrise. Based on the analysis, don't visitation levels exceed capacity at most major visitor activity areas on good weather summer weekends and holidays? Please rewrite to clarify situation.

These clarifications were made (page 9).

27. Major Findings, para 2, sent 2 - insert - Available *designated of defined* parking - We need to differentiate designated parking from overflow parking.

This change was made (page 9).

28. Same sent. as above - include Paradise in list

This change was made (page 9).

29. Page 6, para 3, sent. 3 - replace "would be displaced" with "could not be accommodated"

This change was made (page 9).

30. Page 6, last line - Where is the analysis documented?

This analysis was/will be documented in the GMP (page 9).

We are transmitting ten (10) copies of the Visitor Carrying Capacity Analysis Final Report for your use and distribution. We look forward to working with you on the GMP/Environmental Impact Statement for Mount Rainier National Park.

Sincerely, BRW, Inc.

Mary Taylor Raulerson, AICP Environmental Planner

C: Bill Byrne Beth Ordonez

Final Report Visitor Carrying Capacity Analysis

July 1999

MOUNT RAINIER

National Park • Washington

United States Department of the Interior • National Park Service • Denver Service Center Prepared by BRW, Inc.

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PURPOSE

A General Management Plan is being prepared for Mount Rainier National Park. Because of increasing visitation and the potential for damage to the park's resources and degradation of the quality of experience enjoyed by visitors, the National Park Service undertook a study to determine the visitation capacity of the activity areas in the park. This study provided input to the development of the General Management Plan. The study included an inventory of wilderness trails, wilderness areas and campsites served by trails, climbing routes to the summit of Mount Rainier, non-wilderness trails, and visitor facilities in the major activity areas.

Visitation capacity was estimated so as to be consistent with Desired Future conditions that were established by the General Management Plan (GMP) team. The Desired Future conditions defined the critical aspects of visitor experience and resource protection that would be achieved by the General Management Plan for each area in Mount Rainier National Park. Each area was assigned a zone designation, which determined the types and the intensity of use and desired resource conditions. For example, the desired conditions on wilderness trails and in wilderness areas away from trails were expressed in terms of the number of encounters with other visitors the average visitor would experience during a daylong visit and the desired resource conditions in that zone.

The Carrying Capacity Analysis documented in this report estimates an allowable level of visitor use or capacity for each park management zone. The capacity levels estimated in this study were then used to estimate the sizes of new or modified visitor facilities. The results of this study also helped determine the required characteristics of transportation facilities and services that would be needed to implement each of the alternatives being considered in the General Management Plan.

METHODOLOGY

Visitor Activity Areas

The General Management Plan applied a Visitor Experience and Resource Protection Carrying Capacity Process for Mount Rainier National Park to ensure that visitation does not impair its resources and compromise its quality as a national park. Carrying capacity is a measure used to determine what types and levels of visitor use can be accommodated while maintaining resource and social conditions consistent with the purposes of the park and its management objectives.

The park was divided into a set of prescriptive management zones. The wilderness portions of the park were divided into six management zones including wilderness trails, trailside camps, wilderness management units (old cross-country zones), climbing routes, etc. Each prescriptive management zone specifies a particular combination of desired physical, biological, and social conditions.

The non-wilderness or frontcountry portions of the park were divided into seven prescriptive management zones including trails, roads, visitor facilities, picnic areas, campgrounds, concessions sales areas, administrative support facilities, etc.

Table 1 shows the visitor use standards for each wilderness zone designation in Mount Rainier National Park.

Zone Designation	80 % of Visitors Will:
Research Natural Area	No Visitor Use
Pristine	Encounter No More Than 1 Other Party per Day
Primitive	Encounter No More Than 2 Other Parties per Day
Semi-Primitive	Encounter No More Than 64 Other People per Day
Transition	Encounter No More Than 104 Other People per Day
High Use Trail	Encounter No More Than 200 Other People per Day
Moderate-use Climbing	Encounter No More Than 75 Other People per Day
High Use Climbing	Encounter No More Than 150 Other People per Day

Table 1: Visitor Use Standards for Wilderness Zone Designations

Visitor access to all parts of the park was assumed to be concentrated at trailheads or major activity areas along the park road system. The wilderness management zones were organized according to the trailheads or major activity centers that provided the most convenient access. The visitation capacity of each trailhead or activity center was determined by adding the capacity of all the wilderness areas served by the trailhead and the capacity of any non-wilderness trails and visitor facilities in the area. Visitation capacity was summarized for 28 individual trailheads and activity areas. Most of the trailheads served a few trails and wilderness areas with relatively low visitation capacity. The majority of visitor use and visitation capacity is concentrated in the large activity areas including Paradise, Sunrise, Longmire, and Mowich Lake. Individual spreadsheets show the total visitation capacity is spread among the trails, wilderness management units, trailside camps, non-wilderness trails, and non-wilderness facilities in or served by the activity area.

Capacity Analysis Techniques

Individualized techniques were used to estimate visitation capacity for the following types of area in the park:

- Wilderness Trails
- Wilderness Management Units (also referred to as Cross Country Zones)
- Trailside Camps
- Non-wilderness Trails (also referred to as Front Country Trails)
- Buildings and Other Visitor Facilities (also referred to as Front Country Facilities)

For all areas, the average number of visitors in family units or other groups was assumed to be 3.0. This is consistent with vehicle occupancy observations and with the results of visitor surveys conducted in the past.

Wilderness Trails

The GMP planning team determined the zone designation for each trail. Mount Rainier National Park staff provided information on the primary use of the trail (in and out the same way, versus hiking on to other areas) and the typical amount of time spent on the trail. The park staff also provided information on the trailheads that are used to reach each trail. This information was used to estimate the number of visitors that could begin hiking on the trail each hour and the maximum accumulation and daily maximum use of the trail while conforming to the allowed number of encounters for the zone designation of the trail.

The zone designation and the time spent by visitors on the trail determined the number of encounters allowed during the average visit. The type of visitor use determined the rate of arrival that could be sustained on the trail without exceeding the allowed number of encounters. This allowable arrival rate is expressed as the number of people that can arrive at the trailhead per hour (based on an 8-hour day) while not exceeding the allowable encounter rate as defined by the zone designation. Trails on which all visitors enter and exit the same way had the lowest allowable arrival rate. Trails that are used as through routes to other areas and loop trails had higher allowable arrival rates.

The maximum number of people that can be on a trail at one time was determined from the allowable arrival rate and the average time spent on the trail. Daily use of the trail was then estimated from the allowable arrival rate over an assumed eight-hour day. If a trail is served by more than one trailhead, the capacity was apportioned according to the estimated percentage of users that come from each trailhead.

The capacity calculations for each trail were accomplished using a spreadsheet. The capacities of all of the trails served by each trailhead were added to develop an overall wilderness trail capacity. The calculations are shown on individual pages for each trailhead in the next section. Detailed explanations of the calculation steps and data sources are provided at the beginning of the section. Conceptual illustrations also are provided to show how the capacity of each type of trail was determined.

Trails designated by the Mount Rainier staff or the trail data base as "way-trails" were not included in this analysis. Way trails are typically areas through which visitors walk that do not have designated trails or identifiable walking routes. The capacity of way trails was assumed to be included in the capacity of the wilderness management units in which they were located. The calculation of wilderness management unit capacity is described in the following section.

Wilderness Management Units

The GMP planning team determined the zone classification for each wilderness management unit. This classification determined the maximum number of parties (groups of three people based on observations and visitor surveys) that should be encountered by the typical visitor during a typical day. The daily encounter limit was converted to an average hourly rate of encounters assuming an eight-hour day.

The Mount Rainier staff provided a "hide factor' ranging from 1 to 5 for each zone. A 1 hide factor was assigned to areas with wide-open terrain and no vegetation cover. A 5 hide factor was assigned to areas with dense forest and undergrowth that would limit visibility. The BRW team estimated a radius within which no other visitors could be present to avoid an encounter for each hide factor. The radius defined a circular area that each visiting party would have to themselves at any instant to avoid any encounters. The BRW team then assumed that the typical party in an off-trail wilderness area would cover about one half mile each hour. The area needed by each party was then expanded to reflect the one-half mile distance that would be covered in one hour.

Based on the allowable number encounters per hour for the zone class, the number of other day-use or overnight parties that could be within the "no-encounter zone" for each party was calculated. This calculation yielded the area that would be needed by each party to avoid exceeding the allowed number of encounters per hour.

The area of each wilderness management unit was determined using the GIS coverage of the park. Areas with greater than 30 % slopes were subtracted from the total area to yield an estimate of the usable area of each management unit. This usable area was divided by the area needed per party to determine the number of parties that could occupy each wilderness management unit at one time while maintaining the desired standard for encounters.

The park staff provided information on the overnight use limits in the wilderness management units. This information was combined with the day-use occupancy limits calculated as described above to provide an overall estimate of the capacity of the wilderness management units.

The BRW team grouped the wilderness management units by the trailhead that would most likely serve as the primary point access. The capacity of the wilderness management units served by each trailhead was then summed to determine an overall capacity for off-trail wilderness use at each trailhead.

The analysis of the capacity of the wilderness management units is documented within the Wilderness Management Unit tab. The analysis was completed using a spreadsheet, which is provided in the tabbed section. A detailed description of the spreadsheet entries and an illustration of the methods used to determine the area needed by each party also are provided.

Trailside Camps

Mount Rainier staff provided overnight use limits (capacity of the camps), for trailside camps in the wilderness. The BRW team grouped the camps according to the trailhead providing the most direct access. The overnight use limits for all trailside camps served by each trailhead were summed to provide an overall capacity by trailhead.

Non-Wilderness (Front Country) Trails

The capacity of trails outside the wilderness boundaries was determined using pedestrian flow capacity techniques documented in the *Highway Capacity Manual*. The techniques are appropriate for areas with high concentrations of pedestrians. The pedestrian capacity of walkways is related to a desired "level of service", which describes the relative crowding and ability of pedestrians to choose their path and speed

of walking. Most urban area applications assume level of service C (\ge 24 square feet of walking surface per pedestrian) or D (\ge 15 square feet of walking surface per pedestrian) during hours of peak pedestrian activity. The capacity of walkways at Mount Rainier was estimated assuming level of service A conditions. Level of Service A was used because it results in a high quality visitor experience based on adopted standards for high activity areas. The capacity of some of the longer trails in the non-wilderness areas above Paradise was reduced below that possible at level of service A to reflect the steep grades and long walking distances along these trails.

Level of service A requires a minimum average of 130 square feet of walking surface per pedestrian. The walking area of each trail was calculated by multiplying the average trail width by the trail length (both provided by Mount Rainier staff. The number of visitors that could use the trail at one time was calculated by dividing the trail area by 130 square feet per person. The daily capacity of trails in each activity area was estimated by multiplying the maximum number people at one time by a turnover rate per day. The turnover rate was based on parking turnover data collected by BRW in 1993.

Non-Wilderness (Front Country) Facilities

Estimates of the capacity in people at one time were prepared for the following facility types:

- Lodging. Based on the number of rooms
- *Dining*. Based on the size (area) of the dining facility
- Concession Sales. Based on the size of the facility
- Ranger Station/Wilderness Information Center. Based on the size of the facility
- *Museums/Visitor Center Interpretive Areas*. Based on the size of the facility (except the Jackson Visitor Center, for which the park staff provided an overall capacity)
- Picnic Areas. Based on the number of tables
- Campgrounds. Based on the number of sites
- Outdoor Circulation Areas. Based on the size of the facility
- *Restrooms*. Based on the size of the facility

A typical area per person was applied to the area of each facility to determine the number of people that could occupy each at one time. The area per person standards were drawn from facility planning work underway for Yosemite National Park. The standards include a provision for converting gross building area to net usable square feet. The standards are documented on spreadsheets for each activity area.

In determining the overall capacity of non-wilderness facilities in an activity area, it was assumed that lodging rooms are not fully occupied when the rest of the activity area is at maximum occupancy.

Summary of the Carrying Capacity Analysis Process

The following flowchart summarizes the steps in the carrying capacity process.

CARRYING CAPACITY ANALYSIS PROCESS



CARRYING CAPACITY ANALYSIS PROCESS (Cont.)



LIMITATIONS OF THE CAPACITY ANALYSIS

The capacity analysis prepared for the Mount Rainier General Management Plan used available data on the physical attributes of the park and the characteristics of visitor use. Data sources included the park staff, geographic information system data bases, data collected by BRW, Inc. in 1993 and 1994, observations of visitor use in 1995, traffic counts from permanent count stations, and information from the park concessioner. The BRW Team used professional judgement to estimate other factors. The resulting estimates of visitation capacity provide an appropriate basis for comparing the impacts of the GMP alternatives. The carrying capacity of trails, wilderness management units, and facilities should be updated or refined through a monitoring program designed to determine if the indicators and standards established in the desired future conditions for Mount Rainier are being attained.

By collecting additional data and monitoring conditions over time, a more precise assessment of visitation capacity for the visitor areas in Mount Rainier National Park can be developed. The monitoring process should be designed to provide park management with the data needed to confirm that the desired future conditions are being achieved on trails and in wilderness management units. The capacity models for trails and wilderness areas presented in this report would then be refined with more extensive data on the distribution of visitors in the park and evaluation of resource conditions. The refined models could then be used to assist park management to maximize access to the park, while achieving the visitor experience and resource protection goals of the General Management Plan.

MAJOR FINDINGS

In general, the analysis of the capacity and use of visitor areas in Mount Rainier National Park shows that visitation in the park, as a whole, is not in excess of capacity. However, several areas have visitation that exceeds the capacity during good weather summer weekends and holidays at the defined *standards to achieve the desired resource and social conditions*. There may be opportunities to shift demand to less crowded areas by providing specialized transportation services or other incentives.

These findings are sensitive to how visitors are distributed along the trails that are served by each trailhead. Visitors may be more concentrated near the trailheads, which would result in a higher incidence of encounters near the trailhead and a lower rate of encounters in more remote areas. The study also shows that the parking provided at trailheads is generally sufficient to serve the number of people at one time that can be accommodated on the trails.

The analysis also shows that visitation is higher than capacity at most of the major visitor activity areas in the park, including Paradise, Sunrise, Mowich Lake and Ipsut Creek. Available designated parking is inadequate to meet the carrying capacity at Paradise, Sunrise, Longmire, Comet Falls, the White River Trailhead, and Box Canyon.

The Westside Road area has the capacity to accommodate major increases in growth if access can be provided beyond the current road closure at Dry Creek. Other individual sites offer some potential for increased visitation or diversion from overused areas. The unused capacity in most areas would not be adequate to accommodate the visitors that could not be accommodated in the most popular areas on peak use days.

The results of this study have been applied to the analysis of visitor use levels and the number of visitors served by each of the GMP alternatives. That analysis is documented separately in the General Management Plan for Mount Rainier National Park.

TRAILHEADS/ACTIVITY AREAS

Explanation of Table Entries

Trailhead Activity Summaries

This section provides a summary of the carrying capacity analysis for the trailheads and activity centers in Mount Rainier National Park. Each trailhead or activity center is reported on an individual page. The results for the larger activity areas are presented on two pages.

The analysis results are organized into the following sections for each activity area:

- Wilderness Day Use (trails)
- Cross Country Zones Overall (wilderness management units)
- Trailside Camps
- Front Country Trails (trails in activity areas)
- Buildings and Facilities

Many activity areas and trailheads do not have all of the elements listed above.

A summary of the overall visitation capacity of the trailhead or activity area is provided at the bottom of each sheet.

The entries in each column are explained below:

<u>Trails</u>

- *Trailhead.* The location providing access to the trail. Some trails are accessed through multiple trailheads. The trailheads are identified in Attachment 5.
- *Trail.* The name of the trail.
- Zone. The zone designation of the trail. This designation, along with the time on the trail, determines the number of allowable encounters.
- *Type.* Shows the type of trail: in-out, loop, through, or combinations.
- Average Time on Trail. The average length of time spent by an individual visitor on the trail in hours, from Attachment 5.
- Encounters Allowed During Visit. The maximum number of encounters an average visitor would have during their visit as defined by the zone designation and average time on trail. Determined by taking the number of encounters per day allowed for the zone designation and factoring by time on the trail, divided by 8 hours (e.g., 4/8x60 = 30) for a r-hour trail with a semi-primitive zone designation.
- Maximum Arrival Rate Per Hour. The maximum number of visitors per hour than can begin walking along the trail while not exceeding the allowed encounters. The arrival rate is a function of the type of trail, the allowed encounters, the time on the trail and the use characteristics of the trail (see attached sheets for illustration of equations).
- *Maximum Visitors at One Time*. Shows the maximum number of people that can be on the trail at one time, while not exceeding the number of encounters. Equals the Maximum Arrival Rates Times the Time on Trail.
- Percent of Trail Users from This Trailhead. Shows the estimated proportion of trail users that start their trip at the listed trailhead. Attachment 5 shows the trailheads used to reach each trail. Judgement of the team was applied to apportion users among the trailheads.

- Maximum Visitors at One Time from Trailhead. Shows the number of visitors that started their trip at the trailhead that could be on the trail at one time. Equals Maximum Occupancy times Percent of Users from Trailheads.
- Maximum Users Per Day from Trailhead. The maximum number of people that could use the trail per day while not exceeding the encounters standard. Assumes a constant level of use over an 8-hour day. Equals Maximum Arrival Rate times 8 hours.
- Per Day Estimated Use. Estimated daily use of the trail, provided by MORA staff in Attachment 5. If this value is greater than the maximum number of users per day, the trail is out of standard.

<u>Cross Country Zone – Overall</u>. This section of the table documents the analysis of the capacity of the wilderness management units. Day use capacity is expressed as people at one time (PAOT). Overnight capacity is expressed as people per night. The contribution of each unit to the maximum PAOT capacity of the trailhead is the day-use capacity of the unit. The information in this section is drawn from the Wilderness Management Unit tab of this report for individual trailheads.

- Unit. The four letter code for the wilderness management unit.
- Zone Class. The zone classification of the wilderness management unit; determines allowable encounter rate.
- *Type*. The type of zone.
- Unit Name. The common name of the wilderness unit.
- *Primary Trailhead.* The trailhead that most users of the zone would be expected to use. Matches the trailhead that is the subject of each sheet.
- *Hide*. The hide factor assigned to the unit; Hide = 1 identifies a unit with no vegetation and longdistance visibility, Hide = 5 identifies a unit with heavy vegetation and limited visibility.
- Adjusted Usable Acres. The area within which visitor use can occur in the unit. Portions of the unit with slopes greater than 30 % are excluded from usable area.
- Encounters/Hour Allowed Within Standard. The number of other parties that an individual party can encounter in one hour within the standard for the zone classification of the unit.
- Area Covered per Hour. The area that would be covered by individual parties over a one hour period, including the buffer zone within which an encounter is considered to have occurred. This area is greatest for units with low hide factors.
- Area Needed/ Party at Standard. The average area needed by individual parties at any given time to maintain the number of encounters allowed within the standard. Equal to Area Covered per Hour Divided by Encounters per Hour Allowed Within Standard.
- Number of Parties Allowed at One Time. The number of parties that can occupy the unit at one time. Equal to the Adjusted Usable Acres Divided by the Area Needed/ Party at Standard.
- *Number of People Allowed at One Time*. Equal to the Number of Parties Allowed at One Time times 3.0.
- Overnight Carrying Capacity. The number of people that can occupy the unit per night (from Mount Rainier park staff, Attachment 1).
- Existing Use (Camper Nights per Year). The number of camper nights that are spent in the unit per year (from Mount Rainier park staff, Attachment 2).

<u>Trailside Camps.</u> This section documents the overnight capacity of the trailside camps that are served by each trailhead. The information is drawn from the Wilderness Management Unit tab of this report for the individual trailheads.

- Unit. The four letter code for the trailside camp.
- Zone Class. Not used.

- Type. Not used.
- Unit name. The common name of the trailside camp.
- Primary Trailhead. The trailhead that most users of the camp can be expected to use.
- Oldzone. The four letter code for the camp in a previous naming system
- Acres. Blank or a standard area for all camps, not used in calculations.
- Adjusted Useable Acres. Blank or a standard area for all camps, not used in calculations.
- Annual Occupancy. Use factor provided by Mount Rainier park staff.
- Overnight Use Limit. The number of people that can occupy the camp on a given night.
- Existing Use (camper nights per year). The number of camper nights spent at the camp in a year.

<u>Front Country Trails</u>. This section documents the capacity of front country trails (if any) served by the trailhead or located within the activity area. The source for the data is in the Front Country Trails Tab.

- Trail Name
- Capacity PAOT. The number of people that can be on the trail at one time.
- Capacity People Per Day. An estimate of the number of people that could use the trail per day. Based on an observed turnover rate for the activity area.
- Estimated Daily Use. The number of people estimated to use the trail on a typical day (from Mount Rainier Staff unless noted otherwise, Attachment 3).
- Notes: Source of daily use estimate.

<u>Buildings/Facilities</u>. This section documents the capacity of visitor facilities located in activity areas (if applicable).

- Facility Name
- Units. The number of units (area, tables, rooms) contained in the facility.
- *Type.* The type of unit of measure.
- Factor. The factor relating the number of visitors per unit (e.g. 3.0 visitors per picnic table).
- Explanation of factor.
- PAOT. The capacity of the facility in People At One Time
- *Persons/Day.* The estimated number of people that could use the facility per day, based on an assumed turnover rate.
- Note regarding calculations.

<u>Summary</u>. Provided for the largest activity areas to allow convenient viewing of the capacity of each type of visitor use area in or served by the activity area. Also documents how individual use area capacities are combined to estimate the total capacity of the activity area.

<u>Total Capacity – PAOT</u> – The estimated total number of people that could occupy the visitor use areas served by the activity area or trailhead.

<u>Total Capacity – Persons Per Day</u> – The estimated total number of people that could pass through the activity area or trailhead per day.

<u>Total Current Use</u> (some activity areas) – An estimate of the total current use of the activity area based on traffic counts or other available data.

<u>Observed 1993 Parking Occupancy</u> (where available) – The maximum observed occupancy of the parking areas serving the activity area or trailhead. Also provides the number of parked vehicles and the resulting estimated number of people in the activity area or trails served by the trailhead at one time.

<u>Parking Needed at PAOT</u> – The number of parking spaces that would be needed to accommodate the Total Capacity PAOT if all visitors arrived by private vehicle. Assumes 3.0 visitors per vehicle and a maximum occupancy of 90 percent for the parking area.

<u>Hourly Factor</u> (some areas) – The percentage of the daily use that can be expected to occur in the peak hour, based on traffic counts on adjacent roads or roads serving the area.

<u>Hourly Demand</u> (some areas) – The number of visitors per hour that could be expected to arrive at the maximum use level of the area, equals Total Capacity – Persons per day times Hourly Factor.

Illustration of Trail Capacity



All visitors in/out same way Time on Trail = T Arrival Rate at Trailheads = ARTotal People on Trail at One Time = $AR \times T$ = Occupancy

An individual will encounter all visitors on the trail when they begin their trip, plus all visitors that arrive at the trailheads during their trip. The visitors arriving during the trip = $\mathbf{AR} \times \mathbf{T}$, so:

Encounters = $\mathbf{E} = 2\mathbf{A}\mathbf{R} \times \mathbf{T}$

Given an allowable number of encounters (E_a) , the allowable arrival rate is:

 $AR_a = \frac{E_a}{2T}$

Allowable $O_a = AR_a \times T$ Occupancy

The allowable arrivals would be apportioned between the two trailheads (if there are 2).

Trail Capacity



Time on Trail = \mathbf{T} Arrival Rate at Trailheads = $\mathbf{A}\mathbf{R}$

An individual will encounter (1-x)% of the visitors on the trail, plus all visitors arriving during their trip. The encounters would then be:

Encounters = $\mathbf{E} = [1+(1-x)]\mathbf{A}\mathbf{R} \times \mathbf{T}$

Given an allowable number of encounters (E_a) , the allowable arrival rate is:

 $AR_{a} = \underbrace{E_{a}}_{[1+(1-x)]T}$ Allowable $O_{a} = AR_{a} \times T$ Occupancy

Illustration of Trail Capacity



Time on Trail = \mathbf{T} Arrival Rate at Trailheads = \mathbf{AR} Visitors on Trail (Occupancy) = $\mathbf{AR} \times \mathbf{T}$

An individual will encounter 1/2 of the visitors on the trail when they arrive, plus 1/2 of the visitors arriving during their trip (assumes no overtaking of visitors going same way). From the first two illustrations we can conclude:

Given an allowable number of encounters (E_a) , the allowable arrival rate is:

$$AR_a = \frac{E_a}{T}$$

Allowable $O_a = AR_a \times T$ Occupancy

Trail Capacity



Time on Trail = \mathbf{T} Arrival Rate at Trailheads = $\mathbf{A}\mathbf{R}$ Visitors on Trail (Occupancy) = $\mathbf{A}\mathbf{R} \times \mathbf{T}$

In theory, if all visitors traveled at the same walking speed, no encounters would occur on a loop trail with all travelers going the same direction. In practice, visitors will walk at different speeds and walking close behind other visitors may have nearly the same impact as having them pass in the opposite direction. We have assumed an arrival rate and allowable occupancy double that for a trail with directional split:

$$AR_a = \frac{2E_a}{T}$$
 $O_a = AR_a \times T$

Box Canyon (Map # 9) Day Use of Wilderness Trails

pay ose or ma				Avg. Time	Allowed			% of Trail Max	v Visitors at One		
		Zone		on Trail			Max Visitors at		Time from	Max Users per Day Per Da	y Estimated
Trailhead	Trail	Designation	Туре	(Hrs)	Per Visit	Rate / Hour	One Time	This Trailhead	Trailhead	from Trailhead	Uşe
Box Canyon Picnic	Stevens Creek	Semi	In-Out	2.00	15.00	3.95	7.89	100%	7.89	31.58	30
Box Canyon Picnic	Wonderland to Reflection	Semi	In-Out	4,00	30.00	3.75	15.00	\$00%	15.00	30.00	15
Box Canyon	Wonderland to Sunrise	Semi	Through/in-out	8.00	60.00	7.50	60.00	15%	9.00	9.00	8
Box Canyon	Wonderland - Summer, to Indian Bar	Semi	In-Out	3.00	22.50	3.75	11.25	50%	5.63	15.00	8
Box Canyon	Wonderland - Indian Bar to Box Canyon	Semi	In-Out	4.00	30.00	3.75	15.00	80%	12.00	24.00	8
TOTAL									50	110	68

Wilderness Management Units - Day and Overnight Use

Wilderness	Management Units - Day	and Overnight Use											
							Encounters/Hr				Number of People	Overnight Carrying	
				Primary		Adjusted	Allowed Under	Area Covered / i	Ares Needed / Party	Number of Parties	Allowed (at one	Capacity (people Exi	eting Use (camper
Unit	Zone Class	TYPE	Unit Name	Trailhead	Hide V	sable Acres	Standard	Hr (Acres)	At Standard (Acres)	Allowed (at one time)	time)	per night)	nights per yr)
XCOW	PRIMITIVE	BACKCOUNTRY	COWLITZ PARK	Box Canyon	3.00	1211.56	0.25	145.50	582,00	2.08	6,25	9	59
XCOW	PRIMITIVE	BACKCOUNTRY	COWLITZ PARK	Box Canyon	3.00	1394.04	0.25	145.50	582.00	2.40	7,19		
XNIC	PRISTINE	BACKCOUNTRY	NICKLE CREEK	Box Canyon	5,00	2459.87	0.13	42.85	342.84	7.18	21.53		
XNIC	PRISTINE	BACKCOUNTRY	NICKLE CREEK	Box Canyon	5.00	1.58	0.13	42.85	342.84	2.00	6.00		
XSCS	PRISTINE	BACKCOUNTRY	STEVENS CANYON SOUTH	Box Canyon	5.00	335.06	0.13	42.85	342.84	2.00	6.00		
XSCS	PRISTINE	BACKCOUNTRY	STEVENS CANYON SOUTH	Box Ganyon	5.00	1753.19	0 13	42.85	342 84	5.11	15.34		
XSCS	PRISTINE	BACKCOUNTRY	STEVENS CANYON SOUTH	Box Canyon	5.00	66.26	0.13	42.85	342.84	2.00	6.00		
XWIL	PRISTINE	BACKCOUNTRY	WILLIWAKAS CREEK	Box Canyon	5.00	975.28	0.13	42.85	342.84	2.84	8.53		
Total										26	77	9	59

Trailside Camps

				Primary		Adju≋ted	Annual (Overnight Use Limit Ex	kisting Use (camper	
Unit	Zone Class	Туре	Unit Name	Trailhead OLDZONE	ACRES	Usable Acres	Occupancy	(people per night)	nights per yr)	
BCIB	SEMI-PRIMITIVE	CAMP	INDIAN BAR CAMP	Box Canyon BCIB	7,7290	7.75	445.00	3.00	484	
BCMC	SEMI-PRIMITIVE	CAMP	MAPLE CREEK CAMP	Box Canyon BCMC	7.7250	7.74	403.00	4.00	441	
BONG	SEMI-PRIMITIVE	CAMP	NICKLE CREEK CAMP	Box Canyon BCNC	7,7220	7,74	402.00	3.00	425	
Total								10		
TOTAL CAD	101TV - 010T	40	וב							

TOTAL CAPACITY - PAOT TOTAL CAPACITY - Persons per Day	136 136		
OBSERVED 1993 (Aug) PARKING OCCUPANCY	87% 27 vehicles = about	81	PAOT
Parking Needed for PAOT	51 Parking Supply =	31	spaces

moracapy7-6.xls

Cayuse Pass						MORAC	APY2-10.XLS						
	Iderness Trails	3	T		Allowed Encounters /	Max. Arrival	Max Visitors at	% of Trail Users from This	Max. Visitors at One Time from	Day from	Per Day		
Trailhead Cayuse Poss	Trail Eastside	Zone Semi	Type In-Out	(Hrs) 3.00	Visil 22.50	Rate / Hour 3.75	One Time 11.25	Trailhead 1.00	Trailhead 11.25	Trailinead 30.00	Estimated Use 2.25		
TOTAL									11.25	30.00	2.25		
Wilderness Ma	anagement Units - Day and Overn	ight Use											
Unit	Zone Class	түре	Unit Name	Primary Trailhead	Hide		Encounters/Hr Allowed Under Standard	Area Covered / Hr (Acres)	Area Needed / Party at Standard (Acres)	Number of Paries Allowed (at one time)		Overnight Use Limit (people per night)	Existing Use (camper nights per yr
XCAY	PRISTINE	BACKCOUNTRY	CAYUSE PASS	Cayuse	5.00	2265.64	0.13	42.85	342.84	6.61	19.83	NA	
XCAY Total	PRIŜTINE	BACKCOUNTRY	Y CAYUSE PASS	Cayuse	5.00	541.54	0.13	42.85	342-84	2.00 8.61	6.00 25.83	NA	0.00
Trailside Cam	ps								o				
Unit	Zone Class	Туре	Unit Nan e	Primary Trailhead	OLDZONE	ACRES	Adjusted Usable Acres	Annual Occupancy	Overnight Use Limit (people per night)	Existing Use (camper nights per yr)			
TOTAL									0.00				
TOTAL CAPAG	CITY - PAOT CITY - Persons Per Day	37 37											
	93 (Aug) PARKING OCCUPANCY	Not Checked	l Parking Suppl	u Unknown									

1

- P. -

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4

Chenius Falls (Map #4) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wi	ilderness Trails								Max	Max Users	
				Avg. Time	Allowed			% of Trail Users	Visitors at	per Day	
				on Trail	Encounters /	Max, Arrivat	Max Visitors	from This	One Time	from	Per Day
Trailhead	Trail	Zone	Туре	(Hrs)	Vlsit	Rate / Hour	at One Time	Trailhead	from	Trailhead	Estimated Use
Chenius Falis	Chenius Falls	Semi	In-Out	1.00	7.50	3.75	3.75	1.00	3.75	30.00	15.00
TOTAL									3.75	30.00	15.00

TOTAL CAPACITY - PAOT	
TOTAL CAPACITY - Persons Per Day	

4 30

OBSERVED 1993 (Aug) PARKING OCCUPANCY Not Checked PARKING NEEDED AT PAOT 2 90 perce

2 90 percent occupancy standard

Parking supply unknown

Chinook Pas Day Use of Wi	ss Iderness Trails					MORACAP	Y2-10.XLS				
Trailhead	Trail	Zone	Тура	Avg. Time on Trail (Hrs)	Allowed Encounters / Visit		Max Visitors at One Time		Max Visitors at One Time Irom Trailhead	Max Users per Day from Trailhead	Per Day Estimated Use
Chinook Pass	Crystal Lakes - Crest	Semi	in-Out/Through	3.00	22.50	3.95	31.58	0.40	12.63	12.63	12.00
Chinook Pass	Crystal Lakes - Upper	Senii	In-Oul/Through	1.00	7.50	3.95	31.58	0,24	7.58	7.58	7.20
Chinook Pass	Crystal Lakes - Lower	Semi	In-Out/Through	1.00	7.50	3.95	31.58	0.08	2.53	2.53	2.40
Chinook Pass	Naches Loop	Transition	Loop	2.00	25.00	12.50	25.00	0,33	8.25	33.00	9.90
Chinook Pass TOTAL	Pacific Crest	Semi	In-Out/Through	8.00	60.00	5.00	40.00	0.80	32.00 40,25	32.00 77.63	12.00 33.90

Wilderness Management Units - Day and Overnight Use

wilderness	Management Units - Day a	ana overnight use										
	•				1	Encounters/						
						Hr Allowed			Number of	Number of	Overnight Use	Existing Use
			Primary		Adjusted	Under	Area Covered I	Area Needed / Party	Parties Allowed F	eople Allowed	Limit (people per	(camper nights
Unit	Zone Class	TYPE Unit Name	Trailhead	Hide U	sable Acres	Standard	Hr (Acres)	at Standard (Acres)	(at one time)	(at one time)	night)	per yr)
XCRY	PRISTINE	BACKCOUN CRYSTAL MOUNTAIN	Tipsoo	2.00	139.49	0.13	210.89	1687.14	2.00	6.00	00.8	0.00
XCRY	PRISTINE	BACKCOUN CRYSTAL MOUNTAIN	Tipsoo	2.00	234.11	Q.13	210.89	1687.14	2.00	6.00		
XDEA	PRISTINE	BACKCOUN DEADWOOD LAKES	Tipsoo	4.00	905.70	0.13	89.49	715.90	2.00	6.00	6.00	3.00
XDEA	PRISTINE	BACKCOUN DEADWOOD LAKES	Tipsao	4.00	4.67	0.13	89.49	715,90	2.00	6.00		
TOTAL									8.00	24.00	12.00	3.00

Trailside Camps

Trailside Camps	•						Adjusted			Existing Use
Unit	Zone Class	Туре	Unit Name	Primary Trailhead	OLDZONE	ACRES	Usable Acres	Annual Occupancy	Overnight Use Limit (people per night)	(camper nights per yr)
TOTAL									0.00	
TOTAL CAPACIT TOTAL CAPACIT	IY - PAOT IY - Persons/Day	64 90								
OBSERVED 199	3 (Aug) PARKING OCCUPANCY	Not Che	cked							

Parking Needed for PAOT

24 Parking supply unknown

Comet Falls Day Use of W	ilderness Trails			Avg, Time on Trail	Allowed	RACAPY2-1		% of Trail Users from This	Max Visitors at One Time from M	ax Users per Day	Per Day Estimated Use	1995 Est. Weekend w/	1996 Observed
Trailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	One Time	Trailhead	Trailhead	from Tralihead	(Att. 7)	Good Weather	Daily Entries
Cornet Fails	Comet Falls - Falls	Transition	In Out/Through	3.00	37.50	6.41	19.23	1.00	19.23	51.28	60.00	183.00	
Comet Falls	Comet Falls - WT to Van Trump	Semì	in-Out/Through	4.50	33.75	3.85	17.31	1.00	17.31	30.77	1.20	33.00	
Comet Fails	Comet Falls- Van Trump	Semi	In-Out	1.50	11.25	3.75	5.63	1.00	5.63	30.00	6.00	70.00	
Comet Falls	Mildred Point	Semi	In-Out	2.00	15.00	3.75	7.50	1.00	7.50	30.00	5.00	22.00	
TOTAL									49.66	142.05	72.20	183.00	202.00

Wilderness Management Units - Day and Overnight Use

11110000	management enno ==y										Overnight	
						Encounters/Hr		Area Needed /	Number of Partles	Number of	Carrying	Existing Use
			Primary		Adjusted	Allowed Within	Area Covered /	Party at Standard	Allowed (at one F	People Allowed Ca	pcity (people) (camper nights
Unit	Zone Class	TYPE Unit Name	Trailhead	Hide U	sable Acres	Standard	Hr (Acres)	(Acres)	time)	(at one time)	per night)	per yr)
AKAU	PRIMITIVE	BACKCOUNTRY KAUTZ ALPINE	Comet Falls	1.00	2137.50	0.25	285.66	1142.65	2.00	6.00 uni	imited	608.00
AKAU	PRIMITIVE	BACKCOUNTRY KAUTZ ALPINE	Comet Fails	1.00	74.78	0.25	285.66	1142.65	2.00	6.00		
AKAU	PRIMITIVE	BACKCOUNTRY KAUTZ ALPINE	Comet Falls	1.00	18.93	0.25	285.66	1142.65	2.00	6.00		
AKAU	PRIMITIVE	BACKCOUNTRY KAUTZ ALPINE	Comet Falls	1.00	3.61	0.25	285.66	1142.65	2.00	6.00		
XVAN	PRIMITIVE	BACKCOUNTRY VAN TRUMP PA	RK Comet Falls	1.00	191.26	0.25	285.66	1142.65	2.00	6.00		
XUPN	PRISTINE	BACKCOUNTRY UPPER NISQUA	LY Comet Falls	5.00	380.14	0.13	42.85	342.84	2.00	6.00 Uni	limited	205.00
TOTAL									12.00	36.00	31.27	813.00

spaces

TOTAL CAPACITY - PAOT TOTAL CAPACITY - Persons per Day	86 173	
OBSERVED 1993 (Aug) PARKING OCCUPANCY PARKING NEEDED AT PAOT	100% 26 spaces = about 78 PAOT 32 90 percent occupancy standard Parking supply =	26 s
Hourly Factor Hourly Demand	17.37% 30	

Cougar Rock (Map # 8) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

Day Use of Wi	luerness frans								Max Visitors	Max Users	
				Avg. Time	Allowed			% of Trail Users	at One Time	per Day	
				on Trail	Encounters /	Max. Arrival	Max Visitors	from This	from	from	Per Day
Trailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	Trailhead	Trailhead	Estimated Use
Cougar Rock	Wonderland - Reflection to Longmire	Semi	In-Out/Through	3.00	22.50	5.00	15.00	0.15	2.25	6.00	6.00
TOTAL									2.25	6.00	6.00

Wilderness Management Units - Day and Overnight Use

Unit XCOU TOTAL	Zone Class PRISTINE		Unit Name COUGAR ROCK	Primary Trailhead Cougar Rock	Adjusted Hide Usable Acres 5.00 427.00	Encounters/ Hr Allowed Within Standard 0.13	Area Covered / Hr (Acres) 42.85	Area Needed / Perty at Standard (Acres) 342.84	lumber of Parties Allowed (at one F time) 2.00 2.00	Numberof (People Allowed (at one time) 6.00 6.00	Overnight Carrying Capacity (people per night) 0.00	Existing Use (camper nights per yr)
<i>Campground</i> Group Sites Individual Sites Total <i>Picnic Area</i> Individual Sites	3 peopla per site 9 people per site 3 people per site	187.00 5.00 30.00	sites	Assume amphitheate	er used by campers				187 15 202 30	561 45 606 90	561 45 606 225	people per day
TOTAL CAPACITY - PAOT TOTAL CAPACITY - Persons per Day OBSERVED 1993 (Aug) PARKING OCCUPANCY		704 837 Not checked										
PARKING NEEDED AT PAOT Hourly Factor Hourly Demand		261 90 Percent Occupancy Standar 202 spaces for campo Parking supply away from campground unknown 17.37% 145				pground						
Crystal Creek Day Use of Wild						MORACAP	Y2-10.XLS					
----------------------------------	-----------------------	------	----------------	--------------------------------	----------------------------------	-----------------------------	-----------	------	-------	-------------------------------------	--------------------------	
Trailhead	Trail	Zone	Туре	Avg. Time on Trait (Hrs)	Allowed Encounters / Visit	Max. Arrival Rate / Hour				Max Users per Day from Trailhead	Per Day Estimated Use	
Crystal Creek	Crystal Lakes - Lower	Semi	In-Out/Through	3.00	22.50	3.95	11.84	0.60	7.11	18.95	12.00	
Crystal Creek	Crystal Lakes - Upper	Semi	In-Out/Through	1.00	7.50	3.95	3.95	0.36	1.42	11.37	7.20	
Crystal Creek	Crystal Lakes - Crest	Semi	In-Out/Through	1.00	7.50	3.95	3.95	0.12	0.47	3.79	2.40	
TOTAL	·								9.00	18.95	12.00	
									18.00	53.05	33.60	

Wilderness Mana, Unit	gement Units - Day and Overnigh: Zone Class	t Use Type	Unit Name	Primary Trailhead	Hic	Adjusted le Uşable Acres		Area Covered / Hr (Acres)	Area Needed / Party at Standard (Acres)	Number of Parties I Allowed (at one time)	Number of People Allowed (at one time) 0.00	Overnight Carrying Capacity (people per night)	Existing Use (camper nights per yr)
TOTAL										0.00	0.00	0.00	0.00
Trailside Camps				Primary			Adjusted Usable	Annual	• ·				
Unit	Zone Class	Туре	Unit Name	Trailhead	OLDZONE	ACRES	Acres	Occupancy	(people per night) 0.00	nights per yr)			
TOTAL CAPACITY TOTAL CAPACITY	/ - PAOT / - Persons Per Day	18 53											
OBSERVED 1993 Parking Needed for	(Aug) PARKING OCCUPANCY PAOT	Not C	hecked Parking S	upply unknow	n								

	Map #10, 15)			MO	ACAPY2-	10.XLS					
ay Use of Wi	derness Trails			Avg. Time on Trall Er	Allowed acounters /		Max Visitors	% of trall Users M. from This O	ax Visotors at ne Time from	Max Users per Day from	
ailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	Trailhead	Trailnead	Estimated Use
eer Creek	Owyhigh Lakes - Lakes	Semi	In-Qui/Through	3.00	22.50	4.41	13.24	0.15	1.99	5.29	5.00
eer Creek	Owyhigh Lakes - 123	Semi	in-Out/Through	4.00	30.00	4.41	17.65	0.05	0.79	1.59	2.00
er Creek	Eastside (North)	Semi	In-Out	3.00	22.50	3.75	11.25	1.00	11.25	30.00	1.00
eer Creek	Eastside (South)	Semi	In-Out	3.00	22.50	3.75	11.25	1.00	11.25	30.00	1.00
JTAL									25.28	66.88	9.00
AL .									25.20	40.00	9.00

						Encounters/		Area Needed /					
						Hr Allowed		Party at	Number of	Number of (Overnight Carrying	Existing Use	
			Primary		Adjusted	Under	Area Covered /	Standard	Parties Allowed	People Allowed	Capacity (people	(camper nights	
Unit	Zone Class	TYPE Unit Name	Trailhead	Hide Us	able Acres	Standard	Hr (Acres)	(Acres)	(at one time)	(at one time)	per night)	bet At)	
XGVR	PRISTINE	BACKCOUNTRY GOVERNOP	IS RIDGE Deer Creek	3	869.93	0.13	145.50	1164.00	2.00	6.00	3.00	0.00	
TOTAL									2.00	6.00	3.00	0.00	
Trailside Can	nps					Artiustor		Quernight Hee	Evicting Lise				

Unit	Zone Class	Туре	Unit Name	Primary Trailhead	OLDZONE	ACRES	Adjusted Usable Acres	Annual Occupancy	Overnight Use Limit (peaple per night)	Existing Use (camper nights per yr)	
BCDR	SEMI-PRIMITIVE	CAMP	DEER CREEK	Deer Creek	BCDR	7.7220	7.74	135.00	2.00	164.00	
BCTC	SEMI-PRIMITIVE	CAMP	TAMANOS CREEK CAMP	Deer Creek	BCTC	7.7270	7.74	\$\$7.00	4.00	171.00	
TOTA	L								6.00		
	AL CAPACITY - PAOT AL CAPACITY - Persons per Day		37 76								

OBSERVED 1993 (Aug) PARKING OCCUPANCY Parking Needed for PAOT

Not Checked 14 Parking supply unknown

Fryingpan (Map #11)

MORACAPY2-10.XLS

Day Use of Wilderness Trails

				Avg. Time	Allowed			% of Trail Users		Max Users per		
				on Trail	Encounters /	Max. Arrival	Max Visitors	from This	Max Visitors at One	Day from P	er Day Estimated	1996 Observed
Trailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	Time from Traithead	Traiihead	Use, (Attach. 5)	Daily Use
Frying Pan	Wonderland-W.R.to Summerland	Semi	In-Out/Through	6.00	45.00	4.41	26.47	0.85	22.50	30.00	50.00	
Frying Pan	Wonderland - Summer, to Indian Bar	Semi	In-Out	3.00	22.50	3.75	11.25	0.38	4.22	11.25	1.88	
Frying Pari	Wonderland - Indian Bar to Box Canyon	Sem	In-Out	4.00	30.00	3.75	15.00	0.10	1.50	3.00	1.00	
TOTAL									28.22	44.25	52.88	189.00

Wilderness Management Units - Day and Overnight Use

Unit	Zone Class	TYPE	Unit Name	Primary Trailhead	Hide U:	Adjusted lable Acres	Encounters/ Hr Allowed Within Standard	Area Covered / Hr (Acres)	Area Needed / Party at Standard (Acres)		Number of People Allowed (at one time)	Overnight Carrying Capacity(people per night)	Existing Use (camper nights per yr)
ALIT	PRIMITIVE	BACKCOUNTRY	LITTLE TAHOMA	Fryingpan	1.00	2354.26	û.25	285.66	1142.65	2.06	6.18	6.00	124.00
AFRG	PRISTINE	GLACIER	FRYINGPAN GLACIER	Fryingpan	1.00	1297.02	0.13	285.66	2285.31	2.00	6.00		
AFRG	PRISTINE	GLACIER	FRYINGPAN GLACIER	Fryingpan	1.00	187.84	0.13	285.66	2285.31	2.00	6.00		
AGOA	PRISTINE	BACKCOUNTRY	GOAT ISLAND MTN	Fryingpan	1.00	734.03	0.13	285.66	2285.31	2.00	6.00	6.00	17.00
XFRY	PRISTINE	BACKCOUNTRY	FRYINGPAN	Fryingpan	2.00	315.57	0.13	210.89	1687.14	2.00	6.00	3.00	30.00
XGLO	PRISTINE	BACKCOUNTRY	LOWER GOAT ISLAND MT	Fryingpan	5.00	1634.04	0.13	42.85	342.84	4.77	14.30		
XLFR	PRISTINE	BACKCOUNTRY	LOWER FRYINGPAN	Fryingpan	5.00	614.02	0.13	42.85	342.84	2.00	6.00		
XLFR	PRISTINE	BACKCOUNTRY	LOWER FRYINGPAN	Fryingpan	5.00	2.75	0.13	42.85	342.84	2.00	6.00		
ASAR	PRISTINE	BACKCOUNTRY	SARVENT ALPINE	White River	1.00	719.85	0.13	285.66	2285.31	2.00	6.00	3.00	33.00
AMOU TOTAL	PRISTINE	BACKCOUNTRY	MOUNT RUTH	White River	1.00	360.51	0.13	285.66	2285.31	2.00 22.83	6.00 68,48	6.00 24.00	12.00 216.00

Trailside Camps

Trailside Cam	DS .			Primary			Adjusted Usable	Annual	Overnight Use Limit	Existing Use	Compere/Day (60
Unit	Zone Class	Туре	Unit Name	Trailhead	OLDZONE	ACRES	Acres	Оссиралсу	(people per night)	(campor nights per yr)	
BCSC TOTAL	TRANSITION	CAMP	SUMMERLAND CAMP	Fryingpan	BCSC	7.7240	7.74	678.00	20.00	791.00 791.00	13.18
TOTAL CAPAC TOTAL CAPAC	CITY - PAOT CITY - Persons per Day		117 117								
OBSERVED 19 Parking Neede	193 (Aug) PARKING OCCUPANCY ed for PAOT		89% 24 vehicles = about 43 90 % occupancy standard	72.00 Parking sup		DT assuming 3 pers 27	sons per vehicle spaces				
Hourly Demand F	actor source; 1993 study		17.37%								
Hourly Demand	at max, capacity		20								

Green Lake (Map #4) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wild	lerness Trails										
									Max	Max Users	
				Avg. Time	Allowed			% of Trail Users	Visitors at	per Day	
				on Trail	Encounters /	Max. Arríval	Max Visitors	from This	One Time	from	Per Day
Trailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	from	Trailhead	Estimated Use
Green Lake	Green Lake	Semi	In-Out	2.00	15.00	3.75	7.50	1.00	7.50	30.00	5.00
TOTAL									7.50	30.00	5.00

TOTAL CAPACITY - PAOT	8	
TOTAL CAPACITY - Persons per Day	30	
OBSERVED 1993 (Aug) PARKING OCCUPA	NCY Not Checke	d
Parking Needed at PAOT	3	Parking supply unknown

Hourly Factor	25.00% Assumed
Hourly Demand	7.50

	iarchs (Map #9, 16)				MORAC	APY2-10.XL	S					
Day Use of Wild	ierness Trans		Avg. Time On Trail	Allowed Encounters /	Max. Arrival	Max Visitors	% of Trail Users from This		Max Users per Day from	Per Day		
Trailhead	Trail		Type (Hrs) In-Out 3.00	Visit 22.50	Rate / Hour 3.75	at One Time 11.25	Trailhead 1.00	Time from Trailhead 11,25	Trailhead 30.00	Estimated Use 10.50		
Grove of Patriarchs TOTAL	Easteide	Semi I	n-Oat 3,00	22.00	3.75	11.25	1.00	11.25	30.00	10.50		
Wilderness Mar	nagement Units - Day and Over	rnight Use				Encounters/						
			Primary		Adjusted	Hr Allowed Under	Area Covered /	Area Needed / Party	Number of Parties Allowed		Overnight Carrying Capacity (people	Existing Use (camper nights
Unit	Zone Class	TYPE Un	it Name Trailhead	Hide	Usable Acres	Standard	Hr (Acres)		(at one time)	(at one time)		per yr)
TOTAL									0.00	0.00 0.00	0.00	0.00
Non-Wilderness	s Trail					PAOT	People Per Day					
	ATRIARCHS - TOTAL					73	390					
TOTAL								0.00				
TOTAL CAPACI	TY - PAOT TY - Persons per Day	84 420										
I VIAL CAPACI	r i - Foravna per Day	440										
OBSERVED 199 Parking Needed	93 (Aug) PARKING OCCUPANC 1 for PAOT		vehicles = about rking supply =	60 28	PAOT spaces							

Ipsut Creek (Map #4) - Total Visitation Capacity Alternative 2 - Proposed Action

Day Use of Wilderness Trails				Avg. Lime	Allowed			% of trail Users	Max Visitors at One Time from	Max Users per	Pet Day
Tratificad	Trail Zo	anø	Туре	(Hrs)	Encounters / Visit	Rate / Hour			Trailhead	Day from Trailhead	Estimated Use
lpsut Creek	Wonderland - Mowich to Ipsut Pass Se	emi	In-Out	3.00	22.50	3.75	11.25	0.50	5.63	15.00	50.00
losut Creak	Wonderland - Ipsut Pass to Ipsut Se	emi	in-Out	2.00	15.00	3.75	7.50	0.50	3.75	15.00	2.50
Ipsul Creek	Wonderland - Ipsut to Carbon Glacier Se	emi	In-Out/Through	3.00	22.50	4.17	12.50	1.00	12.50	33.33	60.00
losut Creek	Wonderland - Carbon Glacier to Myst/Se	emi	In-Ou/Through	5.00	37.50	4.17	20.83	0.20	4.17	6.67	12.00
losut Creak	Wonderland - Mystic to Sunrise Se	emi	In-Out/Through	5.00	37.50	4.17	20.83	0.35	7.29	11.67	3.00
ipsul Creek KGTAL	Northern Loop Se	emi	Loop	24.00	180.00	7.50	†80.00	0.35	63.00 96,33	63.00 144.07	4.50 132.00

Wilderness Management Units - Day	and Overnight Use					phoounters/							
						Hr Allowed		Area Needed /	Number of	Number of	Overnight Use	Existing Use	
			Primary		Usable	WithIn	Area Covered /	Party at Standard	Parties Allowed	People Allowed	Limit (people per	(camper nights	
Unit	Zone Class	TYPE Unit Name	Trailhead	Hide	Acres	Standard	Hr (Acres)	(Acres)	(at one time)	(at one time)	night)	per yr)	
ACAG	PRISTINE	GLACIER CARBON GLACIER	losat	1.00	2595.56	0.13	285.66	2285.31	2.00	6.00			
ACAR	PRMITIVE	BACKCOUNTRY CARBON ALPINE	lpsut	1.00	782.83	0.25	285.66	1142,65	2.00	6.00	9.00	149.00	
ACRE	PRISTINE	BACKCOUNTRY CRESENT LAKE	psut	1.00	904.14	0.13	2\$5.66	2265,31	2.00	6.00	6.00	7.00	
										0.00			
AOLD	PRISTINE	BACKCOUNTRY OLD DESOLATE	ipsut	1.00	352,39	0.13	285.66	2285.31	2.00	6.00	6.00	2.00	
XALK	PRISTINE	BACKCOUNTRYALKI CREST	lpsul	5.00	338,69	0.13	210.89	1687.14	2.00	6.00	6.00	4.00	
XCAE	PRISTINE	BACKCOUNTRY CARBON RIVER EAST	lpsut	5.00	216,40	0.13	42.85	342.84	2,00	6.00	unlimited	20.00	
XCAE	PRISTINE	BACKCOUNTRY CARBON RIVER EAST	ipsut	5.00	93.67	0.13	42.85	342.84	2.00	6.00			
XCAN	PRISTINE	BACKCOUNTRYNORTH CARBON RIVE		5.00	1829.92	0.13	42.85	342.84	5,34	16.01			
XCAW	PRISTINE	BACKCOUNTRY CARBON RIVER WEST	f ipsul	5.00	1193.03	0.13	42.85	342.84	3,48	10.44			
XCHE	PRISTINE	BACKCOUNTRY CHENUIS LAKES	lpsut	2.00	149.23	0.13	210.89	1687.14	2,00	6,00	6.00	15.00	
XECH	PRISTINE	BACKGOUNTRY ECHO CLIFFS	ipsul	5.00	298 Q7	0.13	42.85	342.84	2.00	6.00			
XEYS	PRISTINE	BACKCOUNTRYELYSIAN FIELDS	lpsut	2.00	382.65	0.13	210.89	1687.14	2.00	6.00	6.00	37.00	
XFOC	PRISTINE	BACKCOUNTRYLOWER CARBON RIVE		5.00	1604.82	0.13	42.85	342.84	4.68	14.04			
XLOC	PRISTINE	BACKCOUNTRYLOWER CARBON RIVE		5.00	0.52	0.13	42.85	342.84	2.00	6.00			
XLOC	PRISTINE	BACKCOUNTRY LOWER CARBON RIVI		5.00	1.29	0.13	42 85	342.84	2.00	6.00			
XLWF	PRISTINE	BACKCOUNTRYLOWER WEST FORK	lpsut	5.00	2866.32	0.13	42.85	342.84	8.36	25.08			
XMIN	PRISTINE	BACKCOUNTRY MINERAL MOUNTAIN	lpsut	3.00	381.28	0.13	145.50	1164.00	2.00	6.00	9.00	17.00	
XNOR	PRIMITIVE	BACKCOUNTRYNORTHERN LAKES	psut	4.00	673.96	0.25	89.49	357.95	2.00	6.00	9.00	13.00	
XSEA	PRISTINE	BACKCOUNTRY SEATTLE PARK	lpsut	2.00	375.64	013	210.89	1687 14	5 00	6 00	6.00	37 00	
XTIR	PRISTINE	BACKCOUNTRY TIRZAH PEAK	osul	5.00	2198.36	0.13	42.85	342.84	6.41	19.24			
XTYE	PRISTINE	BÁCKCOUNTRY TYEE PEAK	lpsut	1.00	514.95	0.13	285.66	2285.31	2.00	6.00	10.00	5.00	
XUPC	PRISTINE	BACKCOUNTRY UPPER CARBON RIVE	R lpsut	5 00	\$32.90	0.13	42.85	342.84	2.43	7.29			
XVER	PRISTINE	BACKCOUNTRY VERNAL PARK	lpsut	2.00	297.66	0.13	210.89	1687.14	2.00	6.00	6.00	4.00	
TOTAL								24012.74	65	194.10	85	154	

Ipsut Creek (Map #4) - Total Visitation Capacity (Continued)

Trailside Camps Overnigni Carrying Existing Use Annual Capacity(people (camper nights Adjusted Primary Trailibead OLDZONE ACRES Usable Unit Name Acres Occupancy per night) per yr) Zone Class Туре CARBON RIVER CAMP Ipsut Creek BCCR 7.74 352.00 380,00 SEMI-PRIMITIVE CAMP 7.7270 4.00 SEMI-PRIMITIVE CAMP DICK CREEK CAMP lpsut Creek BCDC 7.7180 7.73 158.00 6.00 175.00 31.00 792.00 MYSTIC LAKE CAMP Ipsul Creek BCML 7.73 716.00 SEMI-PRIMITIVE CAMP 7.7180 REDSTONE CAMP Ipsut Creek BCRC 7.61 94.00 6.00 111.00 SEMI-PRIMITIVE САМР 7.5890 SEMI-PRIMITIVE CAMP YELLOWSTONE CLIFF Clpsut Creek BCYC 7.7390 7.76 84,00 6.00 103.00 \$3.00 1561.00

MORACAPY2-10.XLS

BCYC Total TOTAL

Unlt

8CCR

BCDC

BCML

BCRC

Facilities/Front Country		Units	Туре	Factor		PAOT	Persons/Day		
Ipsut Creek Campground		28.00	siles	3.00	persons/site	84.00	84.00		
Carbon River Itail		6.00	miles	16.92	persons/mi	101,54	152.31		
New Campground	Outside Park	50.00	sites	3.00	personsisite	150.00	150.00		
Picnic Area - Existing		0.00	1ables	3.00	persons/table	0.00	0.00	Assume 2 turns	
Picnic Area - New	Entrance	15.00	laples	3.00	persons/table	45.00	90.00	Assume 2 turns	
	Campground	0.00	tables	3.00	persons/table	0.00	0.00	Assume 2 turns	
Picnic Area - New			tables	3.00	persons/12019	105.00	210,00	Assume 2 turns	
Psonic Area - New	Dutside Park	35.00	190162	3.00	personsitable			Appairie 2 turna	
TOTAL						486	686		
		Total	Day Use	Overnight					
	Assumes 20% of campers at ipsut and 75% at new C.G. don't use trails								
CAPACITY - PAOT		664	292	372					
	Assumes 20% of campers at Ipsul	0¢4	492	372					
CAPACITY - Persons per day	and 75% at new C.G. don't use trails	864		372					
		0	•	•					
Persons per Day - MISC FRONT COUNTRY		Q	•	-					
TOTAL PAOT		664	292	372					
MAXIMUM USERS/DAY		864	492	372					
TOTAL CURRENT USE		779 Bases	d on traffic counts ante	eling alea in	1993				
OBSERVED 1993 (Aug) PARKING OCCUPANCY	80 spaces located at lpsut Creek in 11		ehicles = about	477	PAOT				
	of apaces located at ipast order in th	246	entries - abeat		.,,				
PARKING NEEDED AT PAOT		290							
		20.80% 1993	0						
Hourly Factor		40.00% 1993	Counts						

Hourly Factor Hourty Demand

180

Ipsut Creek 2 (PA)

Ipsut Creek (Map #4) - Total Visitation Capacit	y
Alternative 3	

Encounters/

Day Use of Wilderness Trails								Max Users per			
Tralihead	Trail	Zone	Туре	on Trali E (Hrs)		Max. Arrival N Rate / Hour a			One Time from Trailhead	Day from Trailbead	Per Day Estimated Use
ipsut Creek	Wonderland - Mowich to Ipsut Pass	Semi	In-Out	3.00	22.50	3.75	11.25	0.50	5.63	15.00	50.00
lpsut Creek	Wonderland I psut Pass to Ipsul	Semi	In-Out	2.00	15.00	3.75	7.50	0.50	3,75	15.00	2.50
psul Creek	Wonderland - Ipsut to Carbon Glacier	Sami	In-Out/Through	3.00	22.50	4.17	12.50	1.00	12.50	33.33	60.00
losut Creek	Wonderland - Carbon Glacier to Mystic	Semi	In-Out/Through	5.00	37.50	4.17	20.83	0.20	4.17	6.67	12.00
losut Creek	Wonderland - Mystic to Sunrise	Semi	In-Out/Through	5.00	37.50	4.17	20.83	0.35	7.29	11.67	3.00
Ipsul Creek	Northern Loop	Semi	Loop	24.00	180.00	7.50	180.00	0.35	63.00	63.00	4.50
TOTAL									96.33	144.67	132.00

				Primary		Adjusted Usable		trace Contract /	Area Needed / Party at Standard	Number of	Number of	Overnight Use Limit (people per	Existing Use (camper nights
Uniz	Zone Class	TYPE	Unit Name	Trailhead	tilde	Acres	Standard	Hr (Acres)	Party at Standard (Acces)	(at one timo)	(At one time)	night)	(camper nights
ACAG	PRISTINE	GLACIER	CARBON GLACIER	(psut	1.00	2595.56	0.13	265.66	2285.31	2.00	6.00		
	PRIMITIVE		IY CARBON ALPINE	psut	1.00	782.83	0.25	285,66	1142.65	2.00	6.00	9.00	149.00
ACAR	PRISTINE		AY CRESENT LAKE	lpsut	1.00	904.14	0.13	285.66	2285.31	2.00	6.00	6.00	7.00
ACRE	FRISTINE	BACKCOUNTE	IT GRESENT LAKE	ipsui	1.00	904.14	0.15	200.00	6200.31	2.00	0.00	0.00	7.00
AOLD	PRISTINE	BACKCOUNTE	YOLD DESOLATE	lpsul	1.00	352.39	0.13	285.66	2285,31	2.00	6,00	6.00	2.00
XALK	PRISTINE	BACKCOUNTE		losut	2.00	338.69	0.13	210.89	1697,14	2.00	6.00	6.00	4.00
XCAE	PRISTINE		Y CARBON RIVER EAST	lpsut	5.00	216.40	0.13	42.85	342.84	2.00	6.00	unlimited	20.00
XCAE	PRISTINE		Y CARBON RIVER EAST	lpsut	5.00	93.67	0.13	42.85	342.84	2.00	6.00		
XCAN	PRISTINE		NORTH CARBON RIVE		5.00	1829.92	0.13	42.85	342.64	5.34	16.01		
XCAW	PRISTINE		TY CARBON RIVER WEST	lpsut	5.00	1193.03	0.13	42.85	342.84	3.48	10.44		
XCHE	PRISTINE		Y CHENUIS LAKES	lpsut	2.00	149.23	0.13	210.89	1687.14	2.00	6.00	6.00	15.00
	PRISTINE		TECHO CLIFFS	lpsut	5.00	298.07	0.13	42.85	342.84	2.00	6.00	0.00	10.00
XECH		•			2.00	382.65	0.13	210.89	1687.14	2.00	6.00	6.00	37.00
XFYS	PRISTINE		RYELYSIAN FIELDS RYLOWER CARBON RIVE	lpsut	5.00	1604.82	0.13	42.85	342.84	4.68	14.04	0.00	37.00
XLOC	PRISTINE								342.84	2.00	6.00		
XLOC	PRISTINE		YLOWER CARBON RIVE		5.00	0.52	0.13	42.85					
XLOC	PRISTINE	-	YLOWER CARBON RIVE		5.00	1.29	0.13	42.85	342.84	2.00	6.00		
XLWF	PRISTINE		NLOWER WEST FORK	psul	5.00	2866.32	0.13	42.85	342.64	8.36	25.08		
XMIN	PRISTINE		AY MINERAL MOUNTAIN	lpsul	3 00	381.28	0.13	145.50	1164.00	2.00	6.00	9.00	17.00
XNOR	PRIMITIVE		RYNORTHERN LAKES	lpsul	4.00	673.96	0.25	89.49	357.95	2.00	6.00	9.00	13.00
XSEA	PRISTINE		IY SEATTLE PARK	Ipsul	2.00	375.64	0.13	210.89	1687.14	2.00	6.00	6.00	37.00
XTIA	PRISTINE		TIRZAH PEAK	lpsut	5.00	2198.36	0.13	42.85	342.84	6.41	19.24		
XTYE	PRISTINE	BACKCOUNTF	RYTYEE PEAK	lpsut	1.00	514.95	0.13	285.66	2265.31	2.00	6.00	10.00	5.00
XUPC	PRISTINE	BACKCOUNTE	IY UPPER CARBON RIVER	R lpsut	5.00	632.90	0.13	42.85	342.84	2.43	7.29		
XVER	PRISTINE	BACKCOUNTF	VERNAL PARK	lpsul	2.00	297.65	0.13	210.89	1687,14	2.00	6.00	6.00	4.00
TOTAL									24012.74	65	194.10	65	154

Ipsut Creek (Map #4) - Total Visitation Capacity (Continued)

Trailside Camps

Hanside Camps												
Unit	Zone Class	Тур е	·	Unit Name	Primery Trailboad	OLDZÓNE	ACRES	Adjusted Usable Acres	Annual	Overnight Canying Capacity(poople per night)	Existing Use (camper nights per y _i)	
BCCR	SEMI-PRIMITIVE	САМР	(CARBON RIVER CAMP	ipsut Creek	BCCR	7.7270	7.74	352,00	4.00	380.00	
8CDC	SEMI-PRIMITIVE	CAMP	Ę	DICK CREEK CAMP	Ipsut Creek	BCDC	7.7180	7.73	156,00	6.00	175.00	
BCML	SEMI-PRIMITIVE	CAMP		WYSTIC LAKE CAMP	ipsul Greek	BCML	7.7180	7.73	716,00	31.00	792.00	
BCRC	SEMI-PRIMITIVE	CAMP	6	REDSTONE CAMP	Ipsut Creek	BCRC	7.5890	7.61	94,60	6.03	111.00	
SCYC	SEMI-PRIMITIVE	CAMP	1	ELLOWSTONE CLIFF	Ipsul Creek	BCYC	7.7390	7.76	84,00	5.00	103.00	
⊺o(al										53.00	1561.00	
TOTAL												
Facilities/Front Country			Units	Тура	Facio	,	PAOT	Persons/Day				
Ipsut Creek Campground			0.00	siles	3.00	persons/site		0.00				
Carbon River Trail			6.00	mites	16.92	persons/mi		152.31				
New Campground	Outside Park		35,00	siles	3.00	persons/site		105.00				
Picnic Area - Existing			0.00	tables	3.00			0.00	Assume 2 turns			
Picnic Area - New	Entrance		10.00	tables	3.00			60.00	Assume 2 turns			
Picnic Area New	Campground		0.00	tables	3.00		0.00	0.00	Assume 2 turns			
Picnic Area - New	Outside Park		35.00	tables	3.00	parsons/table	105.00	210.00	Assume 2 turns			
TOTAL						-	342	527				
			Total	Day Use	Overnight	L						
САРАСЛТУ - РАОТ	Assumes 20% of campers at losul and 75% at new C.G. don't use trails		600									
CAPACITY - PAUL	Assumes 20% of campers at ipsul and		598	355	243							
CAPACITY - Persons per day	75% at new C.G. don't use trails		784	541	243							
			Q	•								
Persons per Day - MISC FRONT COUNTRY			0	•	-							
TOTAL PAOT			598	355	243							
MAXIMUM USERS/DAY			784	541	243							
TOTAL CURRENT USE			779 E	Based on traffic counts en	ntering area in	1993						
OBSERVED 1993 (Aug) PARKING OCCUPANCY PARKING NEEDED AT PAOT	80 spaces located at lpsut Creek in 1993			59 vehicles ≃ about	477	PAOT						
Hourly Factor		1	20.80% 1	893 Counts								

Hourly Demand

20.80% 1993 Counts 163

Ipsut Creek (Map #4) - Total Visitation Capacity Alternative 4

MORACAPY2-10.XLS

Day Use of Wilderness Trails

Trailhead	Trail	Zone	Туре	Avg.lime on Trall E (Hrs)		Max. Arrival M Rate / Hour a			Max Visitors at One Time from Trailhead	Day from	Per Day Estimated Use
ipsut Creek	Wonderland - Mowich to Ipsut Pass	Semi	in-Out	3.00	22.50	3.75	11.25	0.50	5.63	15.00	50.00
Ipsut Creek	Wonderland - Ipsut Pass to Ipsut	Semi	In-Out	2.00	15.00	3.75	7.50	0.50	3.75	15.00	2.50
psul Creek	Wonderland - Ipsut to Carbon Glacier	Semi	In-Out/Through	3.00	22.50	4.17	12.50	1.00	12.50	33,33	60.00
psul Creek	Wonderland - Carbon Glacier to Mystic	Semi	In-Oul/Through	5.00	37.50	4.17	20.83	0.20	4.17	6.67	12.00
lpsut Creek	Wonderland - Mystic to Sunrise	Semi	In-Out/Through	5.00	37,50	4.17	20.83	0.35	7.29	11.67	3,00
lpsut Creek TOTAL	Northern Loop	Semi	Loop	24.00	180.00	7.50	180.00	0.35	63.00 96.33	63.00 144.67	4 SD 132.00

	widerness Management Units - Day and Overnight Use							Encounters/						
								Hr Allowed		Area Needed /	Number of	Number of	Overnight Use	Existing Use
					Primary		Usable		Area Covered (Party at Standard			Limit (people per	
ι	Ink	Zone Class	TYPE	Unit Name	Trailhead	Hide	Acres	Standard	Hr (Acres)	(acres)	(at one time)	(at one time)	night)	per yr)
,	CAG	PRISTINE	GLACIER	CARBON GLACIER	lpsut	1,00	2595.56	0.13	285.66	2285.31	2.00	6.00		
A	ACAR	PRIMITIVE	BACKCOUNTR	Y CARBON ALPINE	losul	1.00	782.83	0.25	285,66	1142.65	2.00	6.00	9.00	149.00
1	ACRE	PRISTINE	BACKCOUNTR	Y CRESENT LAKE	psut	1.00	904.14	0.13	285.66	2285.31	2.00	6.00	6.00	7.00
												0.00		
1	NOLD	PAISTINE	BACKCOUNTR	YOLD DESOLATE	psul	1.00	352.39	0.13	285.66	2285.31	2.00	6.00	6.00	2.00
)	(ALK	PRISTINE	BACKCOUNTR	IY ALKI CREST	lpsul	2 00	338.69	0.13	210.89	1687.14	2.00	6.00	6,00	4.00
	(CAE	PRISTINE	BACKCOUNTR	Y CARBON RIVER EAST	psut	5.00	216.40	0.13	42.85	342.84	2.00	6.00	unlimited	20.00
>	CAE	PRISTINE	BACKCOUNTR	YCARBON RIVER EAST	losul	5.00	93.67	0.13	42.85	342.84	2.00	6.00		
	(CAN	PRISTINE	BACKCOUNTR	NORTH CARBON RIVER	ipsut	5.00	1829.92	0.13	42.85	342.84	5.34	16.01		
	CAW	PRISTINE	BACKCOUNTR	YCARBON RIVER WEST	lpsut	5.00	1193.03	0.13	42.85	342.84	3.48	10.44		
	(CHE	PRISTINE	BACKCOUNTR	IY CHENUIŞ LAKES	Ipsul	2.00	149.23	0.13	210.89	1687,14	2.00	6.00	6.00	15.00
	(ECH	PRISTINE	BACKCOUNTR	YECHO CLIFFS	lpsut	5.00	298.07	0.13	42.85	342.84	2.00	6,00		
	KEYS	PRISTINE	BACKCOUNTR	Y ELYSIAN FIELDS	ipsut	2.00	382.65	0.13	210.69	1087.14	2.00	6.00	6,00	37.00
	(LOC	PRISTINE	BACKCOUNTR	YLOWER CARBON RIVER	iρsu	5.00	1604.82	0.13	42.85	342.84	4.68	14.04		
	(LOC		BACKCOUNTR	YLOWER CARBON RIVER	l (psut	5.00	0.52	0.13	42.85	342.84	2.00	6.00		
	(LOC	PRISTINE	BACKCOUNTR	IYLOWER CARBON RIVER	t Ipsul	5.00	1.29	0.13	42.85	342.84	2.00	6.00		
	(LWF		BACKCOUNTR	YLOWER WEST FORK	tpsut	5.00	2866.32	0.13	42.85	342.84	8.36	25.08		
	(MIN	PRISTINE	BACKCOUNTR	YMINERAL MOUNTAIN	lpsut	3.00	381.28	0.13	145.50	1164.00	2.00	6.00	9,00	17.00
	NOR	PRIMITIVE	BACKCOUNTR	INNORTHERN LAKES	lpsul	4.00	673.96	0.25	89.49	357.95	2.00	6.00	9.00	13.00
	ISEA	PRISTINE	BACKCOUNTR	SEATTLE PARK	lpsut	2.00	375.64	0.13	210.89	1687.14	2.00	6.00	6.00	37.00
	(TIA		BACKCOUNTR	Y TIRZAH PEAK	lpsut	5.00	2198.36	0.13	42.85	342.84	6.41	19.24		
	ΩYE.	PRISTINE	BACKCOUNTR	YTYEE PEAK	lpsut	1.08	514.95	0.13	285.66	2285.31	2.00	6.00	10,00	5,00
	(UPC		BACKCOUNTR	YUPPER CARBON RIVER	lpsut	5.00	832.90	0.13	42.65	342.84	2.43	7.29		
	IVER	PRISTINE	BACKCOUNTR	YVERNAL PARK	lpsul	2.00	297.66	0.13	210.89	1687.14	2.00	6.00	6.00	4.00
۲	OTAL									24012.74	65	194.10	85	154

Ipsut Creek (Map #4) - Total Visitation Capacity (Continued)

Trailside Camps

<i>Trailside Camps</i> Unit	Zone Class	Туре	Unit Name	Primāzy Tzalihoad	OLOZÓNE	ACRES	Adjusted Usabla Acres	Annual Occupancy	Overnignt Canying Capacity(people per night)	Existing Use (campar nights per yr)
BCCR	SEMI-PRIMITIVE	CAMP	CARBON RIVER CAMP	Ipsut Creek	BCCR	7.7270	7,74	352,00	4.00	380.00
BCDC	SEMI-PRIMITIVE	CAMP	DICK CREEK CAMP	losul Creek		7.7180	7.73	158.00	6.00	175.00
BCML	SEMPRIMITIVE	CAMP	MYSTIC LAKE CAMP	Ipsut Creek	BOML	7.7180	7.73	716.00	31.00	792.00
BCRC	SEMI-PRIMITIVE	CAMP	REDSTONE CAMP	Ipsul Creek		7.5890	7.61	94.00	6.00	111.00
BCYC	SEMI-PRIMITIVE	CAMP	YELLOWSTONE CLIFF	Clps⊔t Creek	BCYC	7.7390	7.76	84.00	6.00	103.00
Total									53.00	1561.00
TOTAL.										
Facilities/Front Country		Un	ila Type	Facto	,	PAOT	Persons/Day			
Ipsut Creek Campground		29.0		3.00						
Carbon River Trail		0.0	o miles	16.92	personalmi	0.00	0.00			
New Campground	Outside Park	10.0	0 sites	3.00	persons/site	30.00	30.00			
Picnic Area - Existing		6.0	0 lables	3.00	persons/table	18.00	36.00	Assume 2 terns		
Picnic Area - New	Entrance	25.0	10 tables	3.00	persons/table	75.00	150.00	Assume 2 lurns		
Picnic Area - New	Campground	4.0	i0 lables	3.00	persons/table	12.00	24.00	Assume 2 turns		
o: • •										

FRINE ALGO - HOW	Entrance	25.00	tables	3.00	persons/table	75.00	150.00	Assume 2 lums	
Picnic Area - New	Campground	4.00	lables	3.00	persons/table	12.00	24.00	Assume 2 turns	
Picnic Area - New	Along Road	9.00	tables	3.00	persons/table	24.00	48.00		
Picnic Area - New	Outside Park	25.00) tables	3.00	persons/lable	75.00	150.00	Assume 2 turns	
TOTAL		107.00	1		-	321	525		
		Tota	u Day Use	Overhight					
	Assumes 20% of campers at ipsut and								
CAPACITY - PAOT	75% at new C.G. don't use trails	523	7 272	255					
	Assumes 20% of campers at ipsut and								
CAPACITY - Persons per day	75% at new C.G. don't use trails	731	476	255					
Misc Front Country PAOT - 15 percent of all other		79	79	-					
Persons per Day - MISC FRONT COUNTRY		197	197	-					
TOTAL PAOT		606	351	255					
MAXIMUM USERS/DAY		928		255					
TOTAL CURRENT USE		779	Based on traffic counts en	leting step in	1003				
OBSERVED 1993 (Aug) PARKING OCCUPANCY									
			6 159 vehicles = about	477	PAOT				
PARKING NEEDED AT PAOT		224	Parking supply =	80	spaces				
Trailhead Parking Needed		94							
Hourly Factor		20,80%	4 1993 Counts						
Houriy Demand		193							

Ipsut Creek - All 4

Ipsut Creek (Map #4) - Total Visitation Capacity

moracapy7-6.xls

Day Use of Wilderness Trails

Day Use of Wilde	ness Trails			Avg. Lime	Allowed			% of trail Users	Max Vientore at	Max Users per		
Trailhead	Trail	Zone	Туре	ihrs) (Hrs)	Encounters / Visit	Max. Arrival : Rate / Hour			One Time from Tralibead	Day from Trailhead	Per Day Estimated Use	
lpsut Creek	Wonderland - Mowich to Ipsut Pass	Serni	In∙Out	3.00	22.50	3.75	11.25	0.50	5.63	15.00	50.00	
psut Creak	Wonderland - Ipsut Pass to Ipsut	Semi	In-Out	2.00	15.00	3.75	7.50	0.50	3.75	15.00	2.50	
Ipsul Creek	Wonderland - Ipsut to Carbon Glacier	Semi	In-Out/Through	3.00	22.50	4.17	12.50	1,00	12.50	33.33	60.00	
Ipsul Creek	Wonderland - Carbon Glacier to Mystic	Semi	In-Out/Through	5.00	37.50	4.17	20.83	0.20	4.17	6.67	12.00	
lpsut Creek	Wonderland - Mystic to Sunrise	Semi	In-Out/Through	5.00	37.50	4.17	20.83	0,35	7.29	11.67	3.00	
Ipsul Creek TOTAL	Northern Loop	Semi	Loop	24.00	180.00	7.50	180.00	0.35	63.00 96.33	63.00 144.67	4.50 132.00	

UnitConc ClassTYEUnit NameTrailedNumeN	Wi	Iderness Management Units - Day and Overnight Use							Encounters/						
Unit Zone Class TYP Unit Name Trailhead Hide Accea Standard Hr (Acreis) (Acrea) (Acrea) <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Area Needed /</th><th>Number of</th><th>Number of</th><th>Overnight Use</th><th>Existing Use</th></t<>											Area Needed /	Number of	Number of	Overnight Use	Existing Use
NCAG PHISTINE GLACER CARDON GLACER jswal 1.00 259556 0.13 235,86 2285,31 2.00 6.00 1.00 1.00 ACAR PRINTIVE BACKOUNTRYCRESENT LAKE jswal 1.00 702 285,66 112,65 2.00 6.00 9.00 149.00 ACRE PRISTINE BACKCOUNTRYCRESENT LAKE jswal 1.00 904,14 0.13 2285,66 112,62 2.00 6.00 9.00 149.00 XLK PRISTINE BACKCOUNTRYCRESENT LAKE jswal 5.00 938,69 0.13 210,99 1667,14 2.00 6.00 6.00 4.00 XCAE PRISTINE BACKCOUNTRYCRESENT NVER FAST jswal 5.00 93,87 0.13 42,85 342,84 2.00 6.00 4.00 XCAN PRISTINE BACKCOUNTRY CARBON NVER FAST jswal 5.00 1193,03 0.13 42,85 342,84 3.44 16.01 5.00 XCAN PRISTINE BACKCO						Primary		Úsable	WithIn	Area Covered /	Party at Standard	Parties Allowed	People Allowed	Limit (people per	(campor nights
ACAB PRIMITYE BACKCOUNTRY CREBON ALPINE ipsut 1.00 732.83 0.25 285.66 1142.65 2.00 6.00 9.00 149.00 ACRE PRISTINE BACKCOUNTRY CRESENT LAKE ipsut 1.00 904.14 0.13 225.66 225.61 2.00 6.00 6.00 4.00 ACUD PRISTINE BACKCOUNTRY CRESENT LAKE ipsut 1.00 352.39 0.13 226.66 225.31 2.00 6.00 6.00 4.00 XALK PRISTINE BACKCOUNTRY CREST ipsut 5.00 357.6 0.13 42.85 342.64 2.00 6.00 unimited 2.00 XCAE PRISTINE BACKCOUNTRY CREST ipsut 5.00 1829.82 0.13 42.85 342.64 5.44 16.01 5.00 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01 150.01<	Unit		Zone Class	TYPE	Unit Name	Trailhead	Hide	Acres	Standard	Hr (Acres)	(Acres)	(at one time)	(at one time)	night)	per yr}
ACRE PRISTINE BACKGOUNTRY CRESENT LAKE Ipsut 1.00 904.14 0.13 285.66 2285.31 2.00 6.00 7.00 AOLD PRISTINE BACKGOUNTRY CRESENT LAKE Ipsut 1.00 352.39 0.13 285.66 2285.31 2.00 6.00 6.00 2.00 XLAK PRISTINE BACKGOUNTRY CRESENT LAKE Ipsut 2.00 338.69 0.13 210.89 1667.14 2.00 6.00 4.00 4.00 XCAE PRISTINE BACKGOUNTRY CRESENT VIETE IST Ipsut 5.00 93.67 0.13 42.85 342.84 2.00 6.00 unimmed 2.00 XCAN PRISTINE BACKGOUNTRY CREDE VIETE ST Ipsut 5.00 1193.03 0.13 42.85 342.84 5.4 16.01 XCAN PRISTINE BACKGOUNTRY CREDE VIETE ST Ipsut 5.00 1193.03 0.13 42.85 342.84 5.40 6.00 6.00 5.00 XCAW PRISTINE BACKGOUNTRY	AC/	AG	PRISTINE	GLACIER	CARBON GLACIER	ipsut	1.00	2595.56	0.13	285.66	2265.31	2.00	£.00		
AOLD PRISTINE BACKCOUNTRY OLD DESCLATE (psul 1.00 352.39 0.13 20.69 6.00 6.00 2.00 XALX PRISTINE BACKCOUNTRY ALKI CREST (psul 2.00 338.69 0.13 210.89 1687.14 2.00 6.00 6.00 4.00 XCAE PRISTINE BACKCOUNTRY CARBON RIVER FAST (psul 5.00 216.40 0.13 42.85 342.64 2.00 6.00 unimined 20.00 XCAE PRISTINE BACKCOUNTRY CARBON RIVER (psul 5.00 182.92 0.13 42.85 342.64 2.00 6.00 unimined 20.00 XCAN PRISTINE BACKCOUNTRY CHENUS LAKES (psul 5.00 119.93 0.13 42.85 342.84 6.34 16.01 4.25 342.84 6.34 16.01 4.26 34.24 6.34 16.01 4.26 34.24 6.34 16.01 4.26 34.24 6.34 16.01 4.26 34.24 6.34 16.01 4.26 <td>ACA</td> <td>AR</td> <td>PRIMITIVE</td> <td>BACKCOUNTR</td> <td>IY CARBON ALPINE</td> <td>psut</td> <td>1.00</td> <td>782.83</td> <td>0.25</td> <td>285,66</td> <td>1142.65</td> <td>2.00</td> <td>6.00</td> <td>9.00</td> <td>149.00</td>	ACA	AR	PRIMITIVE	BACKCOUNTR	IY CARBON ALPINE	psut	1.00	782.83	0.25	285,66	1142.65	2.00	6.00	9.00	149.00
AQLD PRSTIME BACKCOUNTRY ALKI CREST (psul 1.00 352 39 0.13 226 56 226 51 2.00 6.00 6.00 6.00 6.00 4.00 XCAE PRISTIME BACKCOUNTRY ALKI CREST (psul 2.00 338.69 0.13 42.65 342.64 2.00 6.00 unlimited 4.00 XCAE PRISTIME BACKCOUNTRY CARBON RIVER RAST (psul 5.00 93.67 0.13 42.65 342.64 2.00 6.00 unlimited 2.00 6.00 1.00	ACF	RE	PRISTINE	BACKCOUNTR	IY CRESENT LAKE	lpsut	1.00	904.14	0.13	285.66	2285.31	2.00	6.00	6.00	7.00
XAX PRISTINE BACKCOUNTRY LAKE/GEST Ipsul 2.00 338.69 0.13 210.69 168.714 2.00 6.00 6.00 4.00 XCAE PRISTINE BACKCOUNTRY CARBON RIVER EAST Ipsul 5.00 216.40 0.13 42.85 342.84 2.00 6.00 unimited 20.00 XCAE PRISTINE BACKCOUNTRY CARBON RIVER EAST Ipsul 5.00 1829.92 0.13 42.85 342.84 2.00 6.00 4.00 XCAN PRISTINE BACKCOUNTRY CARBON RIVER IPsul 5.00 1829.92 0.13 42.85 342.84 5.04 18.01 4.00 6.00 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td></td><td></td></td<>													0.00		
XCAE PRISTINE BACKCOUNTRY CREBON RIVER EAST psul 5.00 216.40 0.13 42.85 342.84 2.00 6.00 vnlimited 20.00 XCAE PRISTINE BACKCOUNTRY CREDIN RIVER EAST ipsul 5.00 93.67 0.13 42.85 342.84 2.00 6.00 vnlimited 20.01 XCAN PRISTINE BACKCOUNTRY CREDIN RIVER WEST ipsul 5.00 1192.03 0.13 42.85 342.84 3.40 10.4 XCAE PRISTINE BACKCOUNTRY CREDIN RIVER ipsul 5.00 1192.03 0.13 42.85 342.84 3.40 10.4 XCHE PRISTINE BACKCOUNTRY CLENCINE LARES ipsul 5.00 298.07 0.13 42.85 342.84 2.00 6.00 6.00 15.00 XECH PRISTINE BACKCOUNTRY LCYSIAN FIELDS ipsul 5.00 298.07 0.13 42.85 342.84 4.06 6.00 6.00 6.00 6.00 6.00 6.00 6.00	AOL	.0	PRISTINE	BACKCOUNTR	YOLD DESOLATE	lpsul	1.00	352.39	0.13	285.66	2285.31	2.00	6.00	6.00	2.00
XCAE PRISTINE BACKCOUNTRY CARBON RIVER EAST ipput 5.05 93,67 0.13 42.85 342.94 2.00 6.00 XCAN PRISTINE BACKCOUNTRY CARBON RIVER ipput 5.00 1192.92 0.13 42.85 342.94 5.34 16.01 XCAN PRISTINE BACKCOUNTRY CARBON RIVER ipput 5.00 1192.92 0.13 42.85 342.84 5.34 16.01 XCAN PRISTINE BACKCOUNTRY CHENUS LAKES ipput 5.00 1192.92 0.13 42.85 342.84 4.00 6.00 6.00 15.00 XEYS PRISTINE BACKCOUNTRY LOWER CARBON RIVER ipput 5.00 1604.82 0.13 42.85 342.84 4.68 14.04 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER ipput 5.00 1604.82 0.13 42.85 342.84 4.68 14.04 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER ipput 5.00 1604.82 0.13 42.85	XAL	x	PRISTINE	BACKCOUNTR	YALKI CREST	lpsul	2.00	338.69	0.13	210.89	1687.14	2.00	6.00	6.00	4.00
XCAN PRISTINE BACKCOUNTRY NORTH CARBON RIVER jpsut 5.00 1829 92 0.13 42 85 342.84 5.34 16.01 XCAW PRISTINE BACKCOUNTRY CARBON RIVER WEST jpsut 5.00 1193.03 013 42.85 342.84 3.48 10.44 XCAH PRISTINE BACKCOUNTRY CARBON RIVER jpsut 5.00 1193.03 013 42.85 342.84 3.40 0.60 6.00 6.00 15.00 XECH PRISTINE BACKCOUNTRY ECHO CLIFFS jpsut 5.00 298.07 0.13 42.85 342.84 2.00 6.00 6.00 70.00 XECH PRISTINE BACKCOUNTRY ECHO CLIFFS jpsut 5.00 1.69.2 0.13 42.85 342.84 4.68 14.04 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER jpsut 5.00 1.29 0.13 42.85 342.84 4.68 14.04 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER jpsut 5.00 1.29 </td <td>XCA</td> <td>λE</td> <td>PRISTINE</td> <td>BACKCOUNTR</td> <td>YCARBON RIVER EAST</td> <td>Ipsul</td> <td>5.00</td> <td>216.40</td> <td>0.13</td> <td>42.85</td> <td>342.84</td> <td>2.00</td> <td>6.00</td> <td>unlimited</td> <td>20.00</td>	XCA	λE	PRISTINE	BACKCOUNTR	YCARBON RIVER EAST	Ipsul	5.00	216.40	0.13	42.85	342.84	2.00	6.00	unlimited	20.00
XCAW PRISTINE BACKCOUNTRY CARBON RIVER WEST Ipsult 5.00 1193.03 0.13 42.85 342.84 3.48 10.44 XCHE PRISTINE BACKCOUNTRY CHENUIS LAKES Ipsult 2.00 149.23 0.13 42.85 342.84 2.00 6.00 6.00 6.00 XECH PRISTINE BACKCOUNTRY CHENUIS LAKES Ipsult 2.00 382.65 0.13 42.85 342.84 2.00 6.00 6.00 7.00 XEYS PRISTINE BACKCOUNTRY CHARLON RIVER Ipsult 5.00 1604.82 0.13 42.85 342.84 4.68 14.04 XLOC PRISTINE BACKCOUNTRY COVER CARBON RIVER Ipsult 5.00 1.62 0.13 42.85 342.84 2.00 6.00 2.00 1.00 1.00 1.00 1.00 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01 1.01	XCA	AE	PRISTINE	BACKCOUNTR	IY CARBON RIVER EAST	psul	5.00	93.67	0.13	42.65	342.84	2.00	6.00		
XCHE PRISTINE BACKCOUNTRYCHENUIS LAKES ipsuit 200 149.23 0.13 210.89 1667.14 2.00 6.00 6.00 15.00 XECH PRISTINE BACKCOUNTRYCHENUIS LAKES ipsuit 5.00 298.07 0.13 42.85 342.84 2.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 7.00 XLOC PRISTINE BACKCOUNTRYLOWER CARBON RIVER ipsuit 5.00 1604.82 0.13 42.85 342.84 4.68 14.04 7.00 XLOC PRISTINE BACKCOUNTRYLOWER CARBON RIVER ipsuit 5.00 1.29 0.13 42.85 342.84 4.68 14.04 XLOC PRISTINE BACKCOUNTRYLOWER CARBON RIVER ipsuit 5.00 1.29 0.13 42.85 342.84 4.60 6.00 7.00 XLOC PRISTINE BACKCOUNTRYLOWER CARBON RIVER ipsuit 5.00 2866.32 0.13 42.85 342.84	XC/	AN CONTRACTOR	PRISTINE	BACKCOUNTR	YNORTH CARBON RIVER	ipsut	5.00	1829.92	0.13	42.85	342.64	5.34	16.01		
XECH PRISTINE BACKCOUNTRYECHO CLIFFS Ipsut 5.00 298 07 0.13 42.85 342.84 2.00 6.00 XEYS PRISTINE BACKCOUNTRYELYSIAN FIELDS ipsut 2.00 382.65 0.13 42.85 342.84 2.00 6.00 6.00 37.00 XLOC PRISTINE BACKCOUNTRYLOWER CARBON RIVER Ipsut 5.00 0.62 0.13 42.85 342.84 4.68 14.04 XLOC PRISTINE BACKCOUNTRYLOWER CARBON RIVER Ipsut 5.00 0.52 0.13 42.85 342.84 4.68 14.04 XLOC PRISTINE BACKCOUNTRYLOWER CARBON RIVER Ipsut 5.00 1.29 0.13 42.85 342.84 2.00 6.00 XLOC PRISTINE BACKCOUNTRYLOWER WEST FORK Ipsut 5.00 1.29 0.13 42.85 342.84 8.36 25.08 XLWF PRISTINE BACKCOUNTRYNORTHERN LAKES Ipsut 5.00 2866.32 0.13 42.85 342.84	XC/	AW	PRISTINE	BACKCOUNTR	VCARBON RIVER WEST	lpsut	5.00	1193.03	0 13	42.85	342.84	3.48	10.44		
XEYS PRISTINE BACKCOUNTRY/ELYSIAN FIELDS ipsult 2.00 382.65 0.13 210.89 1687.14 2.00 6.00 6.00 6.00 37.00 XLOC PRISTINE BACKCOUNTRY/LOWER CARBON RIVER ipsult 5.00 1604.82 0.13 42.65 342.64 4.68 14.04 XLOC PRISTINE BACKCOUNTRY/LOWER CARBON RIVER ipsult 5.00 1.62 0.13 42.65 342.64 4.68 14.04 XLOC PRISTINE BACKCOUNTRY/LOWER CARBON RIVER ipsult 5.00 1.29 0.13 42.65 342.64 2.00 6.00 6.00 XLOC PRISTINE BACKCOUNTRY/LOWER CARBON RIVER ipsult 5.00 1.29 0.13 42.65 342.64 8.36 25.08 XLWF PRISTINE BACKCOUNTRY/LOWER CARBON RIVER ipsult 5.00 2866.32 0.13 42.65 342.64 8.36 25.08 XNOR PRISTINE BACKCOUNTRY/NITRYLEWEST FORK ipsult 5.00 273.96 </td <td>XCH</td> <td>1E</td> <td>PRISTINE</td> <td>BACKCOUNTR</td> <td>IY CHENUIS LAKES</td> <td>lpsut</td> <td>2.00</td> <td>149.23</td> <td>0.13</td> <td>210.89</td> <td>1687.14</td> <td>2.00</td> <td>6.00</td> <td>6.00</td> <td>15.00</td>	XCH	1E	PRISTINE	BACKCOUNTR	IY CHENUIS LAKES	lpsut	2.00	149.23	0.13	210.89	1687.14	2.00	6.00	6.00	15.00
XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER backCOUNTRY LOWER CARBON RIVER XLOC Ipsul backCOUNTRY LOWER CARBON RIVER backCOUNTRY LIPZAH PEAK backCOUNTRY LIPZAH PEAK	XEC	ж	PRISTINE	BACKCOUNTR	IY ECHO CLIFFS	lpsut	5.00	298.07	0.13	42.85	342.84	2.00	6.00		
XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER Ipsult 5.00 0.52 0.13 42.85 342.84 2.00 6.00 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER ipsult 5.00 1.29 0.13 42.85 342.84 2.00 6.00 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER ipsult 5.00 2.66 20.13 42.85 342.84 8.36 25.08 XLWF PRISTINE BACKCOUNTRY LOWER VEST FORK ipsult 3.00 381.28 0.13 145.50 1164.00 2.00 6.00 9.00 17.00 XMIN PRISTINE BACKCOUNTRY NORTHERN LAKES ipsult 3.00 381.28 0.13 145.50 1164.00 2.00 6.00 8.00 13.00 XNOR PRISTINE BACKCOUNTRY NORTHERN LAKES ipsult 2.00 376.64 0.13 210.89 1511 2.00 6.00 6.00 8.00 37.00 XTIR PRISTINE BACKCOUNTRY NORTHERN LAKES <t< td=""><td>XEY</td><td>'S</td><td>PRISTINE</td><td>BACKCOUNTR</td><td>YELYSIAN FIELDS</td><td>ipsut</td><td>2.00</td><td>382.65</td><td>0.13</td><td>210.89</td><td>1687.14</td><td>2.00</td><td>6.00</td><td>6.00</td><td>37.00</td></t<>	XEY	'S	PRISTINE	BACKCOUNTR	YELYSIAN FIELDS	ipsut	2.00	382.65	0.13	210.89	1687.14	2.00	6.00	6.00	37.00
XLOC PRISTINE BACKCOUNTRYLOWER CARBON RIVER ipsuit 5 00 1.29 0.13 42.65 342.84 2.00 6.00 XLWF PRISTINE BACKCOUNTRYLOWER CARBON RIVER ipsuit 5 00 1.29 0.13 42.65 342.84 8.36 25.08 XLWF PRISTINE BACKCOUNTRYLOWER WEST FORK ipsuit 5 00 2866.32 0.13 142.65 342.84 8.36 25.08 XMIN PRISTINE BACKCOUNTRYLINERAL MOUNTAIN ipsuit 5 00 1.38 142.65 342.84 8.36 25.08 XNOR PRISTINE BACKCOUNTRYNORTHERN LAKES ipsuit 5 00 73.96 0.25 89.49 357.95 2.00 6.00 9.00 13.00 XSEA PRISTINE BACKCOUNTRYSEATLE PARK ipsuit 2.00 37.64 0.13 42.85 64.1 19.24 12.00 80.00 13.00 31.00 31.00 31.00 31.01 31.01 31.01 31.01 31.00 31.00 31	XLC	C	PRISTINE	BACKCOUNTR	YLOWER CARBON RIVER	psul	5.00	1604.82	0.13	42.65	342.84	4.68	14.04		
XLWF PRISTINE BACKCOUNTRYLOWER WEST FORK Ipsuit 5.00 2866.32 0.13 42.85 342.84 8.36 25.08 XLINN PRISTINE BACKCOUNTRY MINERAL MOUNTAIN ipsuit 3.00 381.28 0.13 42.85 342.84 8.36 25.08 XLINN PRISTINE BACKCOUNTRY MINERAL MOUNTAIN ipsuit 3.00 381.28 0.13 145.60 1164.00 2.00 6.00 9.00 17.00 XNOR PRISTINE BACKCOUNTRY MORTHERN LAKES ipsuit 4.00 673.96 0.25 89.49 357.95 2.00 6.00 9.00 13.00 XSEA PRISTINE BACKCOUNTRY SEATTLE PARK ipsuit 5.00 2198.36 0.13 42.85 342.84 6.41 19.24 XTIR PRISTINE BACKCOUNTRY TIRZAH PEAK ipsuit 5.00 2198.36 0.13 42.85 342.84 6.41 19.24 XTYE PRISTINE BACKCOUNTRY TYEE PEAK ipsuit 1.00 514.95 0.	XLC	20	PRISTINE	BACKCOUNTR	ILOWER CARBON RIVER	hpsul	5.00	0.52	0.13	42.85	342.84	2.00	6.00		
XMIN PRISTINE BACKCOUNTRY MINERAL MOUNTAIN ipsult 3.00 381.28 0.13 145.50 1164.00 2.00 6.00 9.00 17.00 XNOR PRINTIVE BACKCOUNTRY MORTHERN LAKES ipsult 4.00 673.96 0.25 89.49 357.95 2.00 6.00 9.00 13.00 XSEA PRISTINE BACKCOUNTRY MORTHERN LAKES ipsult 2.00 375.64 0.13 210.99 1687.14 2.00 6.00 6.00 37.00 XTIR PRISTINE BACKCOUNTRY TIRZAH PEAK ipsult 2.00 275.64 0.13 42.65 342.84 6.41 19.24 XTYE PRISTINE BACKCOUNTRY TIRZAH PEAK ipsult 1.00 514.95 0.13 285.66 2285.31 2.00 6.00 5.00 XUPC PRISTINE BACKCOUNTRY UPER CARBON RIVER ipsult 5.00 832.90 0.13 42.85 342.84 2.43 7.29 XUPC PRISTINE BACKCOUNTRY UPER CARBON RIVER i	XLC	DC	PRISTINE	BACKCOUNTR	YLOWER CARBON RIVER	ipsut	5 00	1.29	0.13	42,65	342.84	2.00	6.00		
XNOR PRIMITIVE BACKCOUNTRYNORTHERN LAKES Ipsuit 4.00 673.96 0.25 89.49 357.95 2.00 6.00 9.00 13.00 XSEA PRISTINE BACKCOUNTRYSEATLE PARK Ipsuit 2.00 375.64 0.13 42.05 342.84 6.40 6.00 9.00 13.00 XTIR PRISTINE BACKCOUNTRYSEATLE PARK Ipsuit 2.00 375.64 0.13 42.85 342.84 6.41 19.24 XTIR PRISTINE BACKCOUNTRY TRZAH PEAK Ipsuit 1.00 514.95 0.13 42.85 342.84 6.41 19.24 XTYE PRISTINE BACKCOUNTRY UPPER CARBON RIVER Ipsuit 1.00 514.95 0.13 226.56 2285.31 2.00 6.00 5.00 XUPC PRISTINE BACKCOUNTRY UPPER CARBON RIVER Ipsuit 5.00 832.90 0.13 42.85 342.84 2.43 7.29 XUPC PRISTINE BACKCOUNTRY UPPER CARBON RIVER Ipsuit 5.00 832.9	XLV	VF	PRISTINE	BACKCOUNTR	NLOWER WEST FORK	lpsut	5.00	2866.32	0.13	42.85	342.84	8.36	25.08		
XSEA PRISTINE BACKCOUNTRYSEATTLE PARK Ipsul 2.00 37.64 0.13 210.89 1687.14 2.00 6.00 6.00 37.00 XTIR PRISTINE BACKCOUNTRY TIRZAH PEAK Ipsul 5.00 2198.36 0.13 42.85 342.84 6.41 19.24 XTYE PRISTINE BACKCOUNTRY TIRZAH PEAK ipsul 1.00 514.95 0.13 42.85 242.84 6.41 19.24 XTYE PRISTINE BACKCOUNTRY TYEE PEAK ipsul 1.00 514.95 0.13 42.85 242.84 6.41 19.24 XUPC PRISTINE BACKCOUNTRY TYEE PEAK ipsul 1.00 514.95 0.13 42.85 342.84 2.43 7.29 XVPC PRISTINE BACKCOUNTRY EVERNAL PARK ipsul 2.00 297.66 0.13 210.89 1687.14 2.00 6.00 6.00 4.00	XMI	N	PRISTINE	BACKCOUNTR	YMINERAL MOUNTAIN	lpsut	3.00	381.28	0.13	145.50	1164.00	2.00	6.00	9.00	17.00
XTIR PRISTINE BACKCOUNTRY TIRZAH PEAK Ipsult 5.00 2198.36 0.13 42.85 342.84 6.41 19.24 X1YE PRISTINE BACKCOUNTRY TIRZAH PEAK Ipsult 1.00 514.95 0.13 42.85 342.84 6.41 19.24 X1YE PRISTINE BACKCOUNTRY TYEE PEAK Ipsult 1.00 514.95 0.13 285.66 2285.31 2.00 6.00 10.00 5.00 XUPC PRISTINE BACKCOUNTRY UPPER CARBON RIVER Ipsult 5.00 832.90 0.13 42.85 342.84 2.43 7.29 XVER PRISTINE BACKCOUNTRY UPPER CARBON RIVER Ipsult 5.00 832.90 0.13 42.85 342.84 2.43 7.29	XNC	R	PRIMITIVE	BACKCOUNTR	YNORTHERN LAKES	lpsut	4.00	673.96	0.25	89.49	357.95	2.00	6.00	9.00	13.00
XTYE PRISTINE BACKCOUNTRY TYEE PEAK Ipsul 1.00 514.95 0.13 285.66 2285.31 2.00 6.00 10.00 5.00 XUPC PRISTINE BACKCOUNTRY UPPER CARBON RIVER Ipsul 5.00 832.90 0.13 42.85 342.84 2.43 7.29 XVER PRISTINE BACKCOUNTRY VERNAL PARK Ipsul 2.00 297.65 0.13 210.89 1687.14 2.00 6.00 6.00 4.00	XSE	A	PRISTINE	BACKCOUNTR	YSEATTLE PARK	psul	2.00	375.64	0.13	210.89	1687.14	2.00	6.00	6.00	37.00
XUPC PRISTINE BACKCOUNTRY UPPER CARBON RIVER Ipsuit 5.00 832.90 0.13 42.85 342.84 2.43 7.29 XVER PRISTINE BACKCOUNTRY VERNAL PARK ipsuit 2.00 297.65 0.13 210.89 1687.14 2.00 6.00 6.00 4.00	XTB	R	PRISTINE	BACKCOUNTR	Y TIRZAH PEAK	lpsul	5.00	2198.36	0.13	42.65	342.84	6.41	19.24		
XVER PRISTINE BACKCOUNTRYVERNAL PARK (psul 2.00 297.65 0.13 210.89 1687.14 2.00 6.00 6.00 4.00	XIX	έ	PRISTINE	BACKCOUNTR	NTYEE PEAK	ipsut	1.00	514.95	0.13	285.66	2285.31	2.00	6.00	10.00	5.00
	XUF	°C	PRISTINE	BACKCOUNTR	YUPPER CARBON RIVER	lpsut	5.00	832.90	0.13	42.85	342.84	2.43	7.29		
TOTAL 24012.74 65 194.10 85 154	XVE	R	PRISTINE	BACKCOUNTR	IVVERNAL PARK	ipsul	2.00	297.66	0.13	210.89	1687.14	2.00	6.00	6.00	4.00
	TOT	(AL									24012.74	65	194.10	85	154

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Ipsut Creek (Map #4) - Total Visitation Capacity (Continued)

Tralisida Camps

Unit	Zone Class	Туре	L	Init Name	Primary Trailhead	OLDZONE	ACRES	Adjusted Usable Acres	Annual Occupancy	Carrying Carrying Capacity(people per night)	
BCCR	SEMI-PRIMITIVE	CAMP	c	ARBON RIVER CAMP	ipsut Creek	BCCR	7.7270	7.74	352.00	4.00	360.00
BCDC	SEMI-PRIMITIVE	CAMP	t	DICK CREEK CAMP	Ipsul Creek	BCDC	7.7180	7.73	158.00	6.00	175.00
BCML	SEMI-PRIMITIVE	CAMP	N	AYSTIC LAKE CAMP	psul Creak	BCML	7.7180	7.73	716.00	31.00	792.00
BCRC	SEMI-PRIMITIVE	CAMP	F	REDSTONE CAMP	Ipsut Creek	BCRC	7.5890	7.61	94.00	6.00	111.00
BCYC	SEMI-PRIMITIVE	CAMP	۲	ELLOWSTONE CLIFF	Cipsut Creek	BCYC	7.7390	7.76	84.00	6.00	103.00
Total										53.00	\$561.00
TOTAL											
Facilities/Front Country			Units	Туре	Facto	¢	PAO	í Persons/Day			
losul Greek Campground			29.00	sites	3.00	persons/sita	87.00	87.00			
Carbon River Trail			0.00	miles	16.92						
New Campground	Outside Park		10.00	sitos	3.00	persons/site					
Picnic Area - Existing			6.00	tables	3.00				Assume 2 turns		
Picnic Area - New	Entrance		15.00	tables	3.00				Assume 2 turns		
Picnic Area - New	Campground		4.00	tables	3.00				Assume 2 turns		
Picnic Area - New	Along Road		8.00	tables	3.00						
Picnic Area - New	Outside Park		20.00	tables	3.00	persons/table			Assume 2 turns		
TOTAL			92.00				276	435			
	Assumes 20% of campers at ipsut and		Total	Day-Us	e Overnigh	t					
САРАСПУ - РАОТ	75% at new C.G. don't use trails Assumes 20% of campers at losul and		482	227	255	1					
CAPACITY - Persons per day	75% at new C.G. don't use trails		641	386	255	i					
Misc Front Country PAOT - 10 percent of all other			48	48							
Persons per Day - MISC FRONT COUNTRY			120	120	-						
TOTAL PAOT			530	275	255	i.					
MAXIMUM USERS/DAY			761	506	255	I.					
TOTAL CURRENT USE			779 E	Based on traffic counts e	intering area i	n 1993					
OBSERVED 1993 (Aug) PARKING OCCUPANCY PARKING NEEDED AT PAOT			199% 1 196	59 vehicles = about	477	PAOT					
Manufa Castan			20.80%.1	1993 Couple							

Hourly Factor Hourly Demand 20.80% 1993 Counts 158

Day Use of Wilderness Trails

Trailhead	Trail	Zone	Туре	Avg. Time on Tráil (Hrs)	Allowed Encounters / Visit		Max Visitors at One Time		Max Visitors at One Time from Trailhead	Max Users per Day from Trailhead	Per Day Estimated Use, Att. 6	1995 Est. Weekend w/ Good Weather
Kautz Creek	Mirror Lakes	Semi	In-Out	1.50	11.25	3.75	5.63	0.33	1.86	9.90	3.33	
Kaulz Creek	Kaulz Creek to Bridge	Semi	in-Out	2.00	15.00	3.75	7.50	1.00	7.50	30.00	60.00	
Kautz Creek	Kautz Creek-Top	Semi	In-Out	5.00	37.50	3.75	18.75	0.50	9.38	15.00	12.00	
		Subtotal					26,25		16.88	30.00	63.33	
Kautz Creek	Wonderland - 1H to Tahoma Creek Trail	Semi	in-Out	2.00	15.00	3.75	7,50	0.33	2.48	9.90	1.00	
Kaulz Creek	Wonderland - IH to Emerald	Semi	Through	3.00	22,50	7.50	22.50	0.13	2.81	7.50	1.25	
Kautz Creek	Wonderland - Emerald to Klapatche	Semi	Through	5.00	37.50	7.50	37.50	0.10	3.75	6.00	2.50	
TOTAL									27.77	63.30	143.41	00.08

These estimates include front-country areas

Wilderness Management Units - Day and Overnight Use

				D .) = - :			Encounters/ Hr Allowed			Number of Parties	Number of	Carrying Capacity	Existing Use
Unit	Zone Class	TYPE	Unit Name	Primary Trailhead	Hide Us	Adjusted able Acres	Within Standard	Area Covered / Hr (Acres)	Area Needed / Party at Standard (Acres)	Allowed (at one F time)	eople Allowed (at one time)	(people per (car night)	mper nights per yr)
XARA	PRIMITIVE	BACKCOUNTRY	MOUNT ARABAT	Kautz	3	331.77	0.25	145.50	582.00	2.00	6.00		
XPYR	PRIMITIVE	BACKCOUNTRY	PYRAMID PEAK	Kautz	3	796.60	0.25	145.50	582.00	2.00	6.00	15.00	137.00
XSAT	PRIMITIVE	BACKCOUNTRY	SATULICK MOUNTAIN	Kaulz	3	437.18	0.25	145.50	582.00	2.00	6.00		
ASTK	PRISTINE	GLACIER	S TAHOMA/KAUTZ GLACIE	R Kautz	1	631.87	0.13	285.66	2285.31	2.00	6.00		
ASTK	PRISTINE	GLACIER	S TAHOMA/KAUTZ GLACIE	Rautz	1	42.07	0.13	285.66	2285.31	2.00	6.00		
ASTK	PRISTINE	GLACIER	S TAHOMA/KAUTZ GLACIE	R Kautz	1	367.69	0.13	285.66	2285.31	2.00	6.00		
XKAU	PRISTINE	BACKCOUNTRY	LOWER KAUTZ CREEK	Kaulz	5	2513.82	0.13	42.85	342.84	7.33	22.00		
XUPK	PRISTINE	BACKCOUNTRY	UPPER KAUTZ CREEK	Kautz	5	1168.78	0.13	42.85	342.84	3.41	10.23		
TOTAL										22.74	68.22	15.00	137.00

	Capacity - PAOT Ca	apacity - Persons/Day	Dally Use			
Kaulz Creek Non-Wilderness	3.30	Avg. Stay = 1 hrs	see above			
Kautz Creek Overlook	24.40		100.00			
TOTAL	28	222	100			
TOTAL CAPACITY - PAOT	124					
TOTAL CAPACITY - Persons Per Day	300					
OBSERVED 1993 (Aug) PARKING OCCUPANCY PARKING NEEDED AT PAOT		i vehicles = about i percent occupancy standard		PAOT at 3.0 persons/vehicle Parking supply =	54	spaces
Hourly Factor source: 1993 Study	17.37%					
Houriy Demand	52					

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Lake Louise (Map #8) - Total Visitation Demand

MORACAPY2-10.XLS

Day Use of Wilderness Trails

				Avg. Time	Allowed			% of Trail Users		Max Users per	Per Day	
				on Trail	Encounters /	Max. Arrival	Max Visitors	from This	Max Visitors at One	Day from	Estimated Use	
Trailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	Time from Trailhead	Trailhead	(Attach. 5)	
Lake Louise	Lake Louise	Semi	In-Out	2.00	15.00	3.75	7.50	1.00	7.50	30.00	3.00	
Lake Louise	Wonderland - Box Can to Reflection	Semi	In-Out	4.00	30.00	3.75	15.00	0.40	6.00	12.00	3.00	
TOTAL									14	42	6	

Unit	Zone Class	TYPE	Unit Name	Primary Trailhead	н	Adjusted de Usable Acres	Encounters/ Hr Allowed Within Standard	Area Covered / Hr (Acres)	Area Needed / Party at Standard (Acres)	(at one time)	eople Allowed (at one time) 0.00	Overnight Carrying Capacity (people per night)	Existing Use (camper nights per yr)
TOTAL										0.00	0.00	0.00	0.00
Trailside Camp	5			Primary			Adjusted Usable	Annual	Overnight Use Limit	Existing Use (camper nights			
Unit	Zone Class	Туре	Unit Name	Trailhead	OLDZONE	ACRES	Acres	Occupancy	(people per night)	per yr)			
TOTAL									0.00				
TOTAL CAPAC	łΤΥ - ΡΑΟΤ ΙΤΥ - Persons per Day	14 42											
OBSERVED 199 Parking Needed	93 (Aug) PARKING OCCUPANCY d at PAOT		% 9 vehicles = abou 5 90 percent occup			ning 3 people per v lude viewing	vehicle. Very sho Parking supply		20	spaces			
Hourly Demand		2	7 average stay is 3	0 minutes									

Longmire / Maternity Curve (Map #1) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

Trailhead	Trail	Zone	Туре	Avg. Time on Trail (Hrs) Encor	Allowed unters / Visit	Max. Arrival Rate / Hour	Max Visitors at One Time	% of Trail Users from This Trailhead	Max Visitors at One Time from Trailhead	Max Users per Day from Trailhead	Per Day Estimated Use (Attach 5)	1995 Estimated Weekend w/ Good Weather
Community Bldg	Eagla Peak	Semi	In-Out	5.00	37.50	3.75	18.75	1.00	18.75	30.00	12.00	16.00
Longmire	Rampart Ridge	Transition	Loop	4.00	50.00	8.75	35.00	0.75	26.25	52.50	26.25	43.00
Longmire	Mirror Lakes	Semi	In-Out	1.50	11.25	3.75	5.63	0,33	1.86	9.90	3.33	
Longmire	Wonderland IH to Tahoma Creek	Semi	In-Out/Through	2.00	15.00	4.17	8.33	0.33	2.75	11.00	1.00	
Longmire	Wonderland to Rampart Ridge	Transition	In-Out/Through	2.00	25.00	6.94	13.89	0.85	11.81	55.56	42.50	36.00
Longmire	Rampart Ridge to Indian Henrys	Semi	In-Out/Through	6.00	45.00	4.29	25.71	0.60	15.43	20.57	30.00	
Longmire	Wonderland - IH to Emerald	Semi	Through	3.00	22.50	7.50	22.50	0.13	2.81	7.50	1.25	
Longmire	Wonderland - Emerald to Klapatche	Semi	Through	5.00	37.50	7.50	37.50	0.15	5.63	9.00	2.50	
Longmire	Wonderland - Reflection to Longmire	Semi	in-Out/Through	3.00	22.50	5.00	15.00	0.15	2.25	6.00	6.00	
Longmire	Kautz Creek-Top	Semi	in-Out	5.00	37.50	3.75	18.75	0.50	9.38	15.00	12.00	
Maternity Curve	Rampart Ridge	Transition	Loop	4.00	50.00	8.75	35.00	0.25	8.75	17.50	8.75	
Maternity Curve	Wonderland - Reflection to Longmire	Semi	One-way	3.00	22.50	5.00	15.00	1.00	15.00	40.00	40.00	
TOTAL									120.65	274.53	185.58	199.83

Wilderness Management Units - Day and Overnight Use

Unit	Zone Class	Түре	Unit Name	Hide	Adjusted Usable Acres	Encounters/Hr Allowed Within Standard		Åres Needed / Party at Standard (Acres)	Number of Parties Allowed (at one time)	Number of People Allowed (at one time)	Overnight Carrying Capacity(people per night)	Existing Use (camper nights per yr)
XEAS	PRISTINE	BACKCOUNTRY	Y EAGLE PEAK SOUTH	5.00	1022.83	0.13	42.85	342.84	2.98	8.95		
XRAM	PRISTINE	BACKCOUNTRY	THE RAMPARTS	5.00	190.61	0.13	42.85	342.84	2.00	6.00		
XRIC	PRISTINE	BACKCOUNTRY	RICKSECKER POINT	5.00	521.27	0.13	42.85	342.84	2.00	6.00		
XTCR	PRISTINE	BACKCOUNTRY	TATOOSH CREEK	5.00	2.00	0.13	42.85	342.84	2.00	6.00		
XTCR	PRISTINE	BACKCOUNTRY	TATOOSH CREEK	5.00	984.11	0.13	42.85	342.84	2.87	8.61		
XTAT	PRIMITIVE	BACKCOUNTRY	TATOOSH RANGE	3.00	504.97	0.25	145.50	582.00	2.00	6.00		
XMIA	PRISTINE	BACKCOUNTRY	MIRROR LAKES	5.00	96.19	0.13	42.85	342.84	2.00	6.00		
TOTAL									15.85	47.56	47.56	0.00

Trailside Camps

Unit	Zone Class	Туре	Unit Name	Primary Trailhead OLDZONE	ACRES	Adjusted Usable Acres	Annual Occupancy	Overnight Use Limit (people per night)	Existing Use (camper nights per yr)
BCDD	SEMI-PRIMITIVE	CAMP	DEVILS DREAM CAMP	Longmire/Maternity BCDD	7.7280	7.74	731.00	26.00	816.00
BCGL	SEMI-PRIMITIVE	CAMP	GOLDEN LAKES CAMP	Longmire/Maternity BCGL	7.7250	7.74	477.00	20.00	546.00
BCPR	SEMI-PRIMITIVE	CAMP	PARADISE RIVER CAMP	Longmire/Maternity BCPR	7.7110	7.73	384.00	6.00	441.00
BCPC	SEMI-PRIM/TIVE	CAMP	PYRAMID CREEK CAMP	Longmire/Maternity BCPC	7.7300	7.75	243.00	6.00	279.00
TOTAL								58.00	2082.00

Front Country Trails	Capacity - PAOT	Capacity - Persons Per Day (1.4 hour stay)	Estimated Daily Use			
Trail of the Shadows	69	394	236.00	1995 Study		
Front Country Facilities	Unite	Туре	Factor		PAOT	Persons/Day
National Park Inn	25	Rooms	3.00	People/room	75	Note: only 10 % of rooms assumed to be occupied at max PAOT
National Park Inn - Restaurant/Lobby	1000	SF	28.75	SF/Person	35	Note: Assume that new wing adds 10 rooms
Inn Store	1230	SF	37.90	SF/Person	32	
Wilderness Information Center	300	SF	28.75	SF/Person	10	
Museum	960	SF	28.75	SF/Person	33	
Gas Station/Museum	303	SF	28.75	SF/Person	11	
Picnie Area	6	Tables	3.00	People/Table	18	
Totał					147	831 Average stay = 85 minutes
TOTAL CAPACITY - PAOT TOTAL CAPACITY - Persons per Day	442 1,605					
OBSERVED 1993 (Aug) PARKING OCCUPANCY PARKING NEEDED AT PAOT		97 vehicles ≃ about 90 percent occupacny stan	291 dard Pa	PAOT inclu arking supply =	udes visitors to l	National Park Inn, museum and other facilities not counted in capacity 81 spaces
Hourly Factor source: 1993 Study Hourly Demand	17.37% 279					
Longmire				7/6/99		

Mowich Lake (Map # 3, #4) - Total Visitation Capacity

MORACAPY2-10 XLS

Day Use of Wilderness Trails

Day Use of Wilderness I	TRIIS			Ayg, Time	Allowed			% of Trail Users	Max Visitors at	Max Users per	
Trailhead	Trail	Zone	Туре	on Trai) (Hrs)	Encounters / Visit	Max. Arrival M Rate / Hour	ax Visitors at One Time		One Time from Trailhead	Day from Trailhead	Per Day Estimated Use
Mowich Lake	Spray Park-Lower	Transition	in-Out	1.50	18.75	6.25	9.38	1.00	9.38	50.00	40.00
Mowich Lake	Spray Park Upper	Semi	In-Out	4.50	33.75	3.75	16.88	0.90	15.19	27.00	36.00
Subtolat	Spray Park						26.25		24.56		
Paul Peak	Paul Peak	Semi	In-Out/Through	4.00	30.00	3.85	15.38	1.00	15.38	30.77	15.00
Mowich Lake	Grindstone	Semi	in-Out/through	1.00	7.50	3.85	3.85	1.00	3.85	30.77	
Mowich Lake	Tolmie Peak	Transition	in-Out	5.00	62.50	6.25	31.25	1.00	31.25	50,00	50.00
Mowich Lake	Wonderland - IH to Emerald	Semi	Through	3.00	22.50	7.50	22.50	0.50	11.25	30.00	5.00
Mowich Lake	Emerald to Klapatche	Semi	Through	5.00	37.50	7.50	37.50	0.50	18.75	30.00	5.00
Mowich Lake	Klapatche to Golden Lakes	Semi	Through	4.00	30.00	7.50	30.00	0.50	15.00	30.00	5.00
Mowich Lake	Golden Lakes to Mowich	Semi	Through	4.00	30.00	7.50	30.00	0.50	15.00	30.00	5.00
Mowich Lake	Wonderland - Mowich to Ipsut Pass	Transition	In-Out	3.00	37.50	6.25	(8.75	0.50	9.36	25.00	\$0.00
Mowich Lake	Wonderland - Ipsut Pass to Ipsut	Semi	In-Out	2.00	15.00	3.75	7.50	0.50	3.75	15.00	2.50
TOTAL									148	348.54	199

Willemess Ma	anayement Oms - Day and Overnight Ose	,										Overnight	
						E	Encounters/Hr					Carrying	
						•	Allowed		Area Needed /	Number of	Number of		Existing Use
Unit	Zone Class	TYPE	Unit Name	Primary Trailhead	Hide L	Adjusted Isable Acres	Within Standard	Area Covered / Hr (Acres)	Party at Standard (Acres)	Parties Allowed I (at one time)	(at one time)	(people per night)	(camper nights per yr)
AMOG	PRISTINE	GLACIER	MOWICH GLACER	Mowich	1.00	1695.89	0.13	285.66	2285.31	2.00	6.00	mann	ingites per yr)
AMOT	PRISTINE		RY MOTHER MOUNTAIN	Mowich	1.00	1397.37	0.13	285.66	2285.31	2.00	6.00	6.00	32.00
APTA	PRIMITIVE		RY PTARMIGAN RIDGE	Mowich	1.00	3013.21	0.13	285.66	1142.65	2.64	7.91	9.00	94.00
XELI	PRISTINE		RY ELIZIBETH RIDGE	Mowich	5.00	19.53	0.13	42.85	342.84	1.00	3.00	5.00	94.00
XELI	PRISTINE		RY ELIZIBETH RIDGE	Mowich	5.00	1384.65	0.13	42.85	342.84	4.04			
XELI	PRISTINE		Y ELIZIBETH RIDGE	Mowich	5.00	14.86	0.13	42.85	342.84		12.12		
XGOV	PRISTINE		Y GOVE PEAK		2.00	14.60				1.00	3.00	•	
XLMW	PRISTINE	+	TY GOVE PEAK	Mowich	5.00	312.08	0.13	210.89	1687.14	2.00	6.00	6.00	0.00
XMIS	PRISTINE	BACKCOUNT		Mowich			0.13	42.85	342.84	2.61	7.82		
				Mowich	2.00	315.99	0.13	210.89	1687.14	2.00	6.00	6.00	12.00
XMOW	PRISTINE		RY MOWICH LAKE	Mawich	2.00	123.09	0.13	210.89	1687.14	2.00	6.00		
XMOW	PRISTINE		RY MOWICH LAKE	Mowich	2.00	45.29	0.13	210.89	1687.14	2,00	6.00		
XMOW	PRISTINE		Y MOWICH LAKE	Mowich	2.00	13.40	0.13	210.89	1687.14	1.00	3.00		
XMOW	PRISTINE		RY MOWICH LAKE	Mowich	2.00	36.60	0.13	210.89	1687.14	2.00	6.00		
XMOW	PRISTINE		IY MOWICH LAKE	Mowich	2.00	1.62	0.13	210 89	1687.14	1.00	3.00		
XWOW	PRISTINE	BACKCOUNTS	TY MOWICH LAKE	Mowich	2.00	1.02	0.13	210.89	1687.14	1.00	3.00		
XSPN	PRIMITIVE	BACKÇOUNTF	Y SPRAY PARK NORTH	Mowich	1.00	91.24	0.25	285.66	1142.65	2.00	6.00		
XSPN	PRIMITIVE	BACKCOUNTF	Y SPRAY PARK NORTH	Mowich	1.00	45.17	0.25	285.66	1142.65	2.00	6.00		
XSPS	PRIMITIVE	BACKCOUNT	Y SPRAY PARK SOUTH	Mowich	1.00	422.07	0.25	285.66	1142.65	2.00	6.00	6.00	63.00
XSUN	PRISTINE	BACKCOUNTF	Y SUNSET PARK	Mowich	3.00	54.89	0.13	145.50	1164.00	2.00	6.00	9.00	29.00
XSUN	PRISTINE	BACKCOUNTH	IY SUNSET PARK	Mowich	3.00	1183.62	0.13	145.50	1164.00	2.00	6.00		
XSUN	PHISTINE	BACKCOUNTE	Y SUNSET PARK	Mowich	3.00	310.23	0.13	145.50	1164.00	2.00	6.00		
XUMP	PRISTINE	BACKCOUNTE	Y UPPER MOWICH RIVER	Mowich	5.00	3234.18	0.13	42.85	342.84	9.43	28.30		
XVIA	PRISTINE	BACKCOUNTF	Y VRIGINA PEAK	Mowich	5.00	1483.58	0.13	42.85	342.84	4.33	12.98		
XVIR	PRISTINE	BACKCOUNTR	Y VRIGINA PEAK	Mowich	5.00	1.41	0,13	42.85	342.84	1.00	3.00		
TOTAL										55	165.13	42	230
										55	.00.10	70	\$30

Mowich Lake (Map # 3, #4) - Total Visitation Capacity (Continued)

Traliside Camps										vernight Use	Existing Use
Unit	Zone Class	Туре	ı	Jnit Name	Primary Trailhead	OLOZONE	ACRES	Adjusted Usable Acres	Annual Limi Occupancy		(camper nights per yr)
BCCV	SEMI-PRIMITIVE	CAMP	(CATARACT VALLEY CAMP	Mowich Lake	BCCV	7.7260	7.74	320.00	10.00	337.00
BCER	TRANSITION	CAMP	E	AGLES ROOST CAMP	Mowich Lake	BCER	7.6830	7.70	388.00	21.00	486.00
BCMR	SEMI-PRIMITIVE	CAMP	,	NOWICH RIVER CAMP	Mowich Lake	BCMR	7.7210	7.74	341.00	17.00	405.00
TOTAL										48	1228
Facilities			Unit	Туре	Facto	r	PAOT	Persons/Day			
Campground		20	0.00	Sites	3.00	people/si	te 60.00	60.00			
Pionia	Paul Peak	:	3.00	Siles	3.00	people/si	la 9,00	18.00			
New Picinc	Paul Peak		7.00	Sites	3.00			42.00			
New Picnic	Mowich Lake	14	5.00	Sites	3.03	people/s	le 45.00	90.09			
CAPACITY - PAOT		4	148	Assumes all but 20 percent (of campets hi	kê trajîs					
CAPACITY - Person	s per Dav	4	481 /	Assumes all but 20 percent of	of campers ar	d picnickers h	ike Irails				
	COUNTRY - 15 % of all other		67	,							
Persons per Day - M	IISC FRONT COUNTRY	1	134								
TOTAL PAOT		5	516								
MAXIMUM USERS/D	AY	6	615								
TOTAL CURRENT U				Basød on traffic counts appr	-						
OBSERVED 1993 (A	ug) PARKING OCCUPANCY	-		76 vehicles = about	528						
Parking Needed at P	PAOT	1	191 9	90 percent occupancy stand	ard	Parking Sup	ply 50	spaces			
Hourly Factor		17	.95%								
Hourly Demand			86								
Day Use PAOT			408								
Overnight PAOT			150								
Overnight at MAX			108								

Ohanapecosh (I Day Use of Wilderi						CAPY2-10.XLS		_			
Trailhead	Trail	Zone	Туре	Avg. Time on Trail (Hrs)	Allowed Encounters / Visit	Max. Arrival Max Rale / Hour	Visitors at One Time		Max Visitors at One Time from Trailhead	Max Users per Day from Trailhead	Per Day Estimated Use
Laughingwater	Pacific Crest	Semi	In-Out/Through	8.00	60.00	5.00	40.00	0.20	8.00	8.00	3.00
Laughingwater	Laughingwater	Semí	In-Out/Through	8.00	60.00	3.85	30.77	1.00	30.77	30.77	5.00
Ollalie Creek	Wonderland - Summer.	t Semi	In-Out	3.00	22.50	3.75	11.25	0.13	1.41	3.75	1.88
Ollalie Creek	Wonderland - Indian Ba	r Semi	In-Out	4.00	30.00	3.75	15.00	0.10	1.50	3.00	1.00
Ollalie Creek TOTAL	Cowlitz Divide	Semi	In-Out/Through	5.00	37.50	4.69	23.44	0.80	18.75 60.43	30.00 75.52	5.00 15.88

Wilderness Management Units - Day and Overnight Use

wilderness M	anagement units - Day and	a Overnight Use						Area Needed /			Overnight Carrying	
			Primary		Adjusted A	ncounters/Hr llowed Under	Area Covered /	Party at Standard	Number of Parties Allowed F	•	Capacity (people per (ca	Existing Use Imper nights per
Unit	Zone Class	TYPE Unit Name	Trailhead	Hide U	sable Acres	Standard	Hr (Acres)	(Acres)	(at one time)	(at one time)	night)	yr)
XBAC	PRISTINE	BACKCOUNTRY BACKBONE RIDGE	Ohanapecosh	5.00	4288.85	0.13	42.85	342.84	12.51	37.53		
XLAN	PRISTINE	BACKCOUNTRY LAUGHINGWATER NOR	TF Ohanapecosh	5.00	67.52	0.13	42.85	342.84	2.00	6.00		
XLAN	PRISTINE	BACKCOUNTRY LAUGHINGWATER NOR	TF Ohanapecosh	5.00	5758.77	0.13	42.85	342.84	16.80	50.39		
XLAN	PRISTINE	BACKCOUNTRY LAUGHINGWATER NOR	TF Ohanapecosh	5.00	19.26	0.13	42.85	342.84	2.00	6.00		
XLAN	PRISTINE	BACKCOUNTRY LAUGHINGWATER NOR	TF Ohanapecosh	5.00	0.43	0.13	42.85	342.84	2.00	6.00		
XLAS	PRISTINE	BACKCOUNTRY LAUGHINGWATER SOU	TH Ohanapacosh	5.00	2933.39	0.13	42.85	342.84	8.56	25.67		
XLOC	PRISTINE	BACKCOUNTRY LOWER COWLITZ	Ohanapecosh	5.00	1072.95	0.13	42.85	342.84	3.13	9.33		
XLOO	PRISTINE	BACKCOUNTRY LOWER OHANAPECOSI	 Ohanapecosh 	5.00	5082.71	0.13	42.85	342.84	14.83	44.4B		
XLOO	PRISTINE	BACKCOUNTRY LOWER OHANAPECOSE	i Ohanapecosh	5.00	618.00	0.13	42.85	342.84	2.00	6.00		
XOHA	PRISTINE	BACKCOUNTRY OHANAPECOSH PARK	Ohanapecosh	2.00	1033.46	0.13	210.89	1687.14	2.00	6.00	9.00	39.00
XOHW	PRISTINE	BACKCOUNTRY OHANAPECOSH WEST	Ohanapecosh	5.00	448.66	0.13	42.85	342.84	2.00	6.00		
TOTAL									67.82	203.46	9.00	39.00

Trailside Camps

<i>Trailside Camps</i> Unit	Zone Class	Туре	Unit Name	Primary Trailhead OLDZONE	ACRES	Adjusted Usable Acres	Annual Occupancy	Overnight Use Limit (people per night)	Existing Use (camper nights per yr)
BCTL	SEMI-PRIMITIVE	CAMP	THREE LAKES CAMP	Laughing Wat(BCTL	7.6950	7.71	54.00	2.00	62.00
BCOC	SEMI-PRIMITIVE	CAMP	OLALLIE CREEK CAMP	Ollalie Creek BCOC	7.7290	7.75	142.00	2.00	152.00
TOTAL								4.00	

Front Country Facilities	Units	Туре	Factor		PAOT	Persons/Day	
Visitor Center	2000.00	SF	28.75	SF/Person	70	557	Assume all but 20 percent of vc use is campers/picnickers
Campground	206.00	Sites	3.00	Persons/Site	618	618	
Pionic	8.00	Tables	3.00	Persons/Table	24	60	
Ranger Station		SWAG			з	9	
Total					715	798	
TOTAL CAPACITY - PAOT	982						
TOTAL CAPACITY - Persons per Day	982						
OBSERVED 1993 (Aug) PARKING OCCUPAN	87% 27 v	ehicles = about	81	PAOT No	t including ca	impers or picnic	kers
Parking Needed for PAOT	364 214	spaces for camping and picnick	ing	Parking supply =	-	31	spaces (at Visitor Center)

Owyhigh Lakes (Map #1	•				M	ORACAPY2-	10.XLS						
Day Use of Wilderness 1	Talls			Avg. Time on Trail		Max. Arrival		% of Trail Users from This	Max Visitors at One	Max Users per Day from	Per Day		
Trailhead	Trail	Zone	Туре	(Hrs)			at One Time		Time from Trailhead		Estimated Use		
Owyhigh Lakes	Owyhigh Lakes - Lakes	Semi	In-Out/Through	4.00	30.00	4.41	17.65	0.85	15.00	30.00	10.00		
Owyhigh Lakes	Owyhigh Lakes - 123	Semi	Through	3.00	22.50	7.50	22.50	0.26	5.74 20.74	15.30 30.00	3.00 10.00		
TOTAL									41.48	75.30	23.00		
Wilderness Managemen	t Units - Day and Overnight Us	ie -											
Unit	Zone Class	түре	Unit Name	Primary Trailhead	Hide	Adjusted Usable Acres	Encounters/ Hr Allowed Under Standard	Area Covered / Hr (Acres)		Number of Parties Allowed (at one time)	People Allowed	Overnight Carrying Capacity (people per night)	Existing Use (camper nights per yr)
ATAM	PRISTINE	BACKCOUNT	RY TAMANOS CREEL	K Owyhigh	1.00	647.18	0.13	285.66	2285.31	2.00	6.00		
TOTAL										2.00	6.00	0.00	
Trailside Camps							Adjusted			Existing Use			
Unit	Zone Class	Туре	Unit Name	Primary Trailhead	OLDZONE	ACRES	Usable Acres	Annual Occupancy	Overnight Use Limit (people per night)	(camper nights per yr)			
TOTAL									0.00				
TOTAL CAPACITY - PAC TOTAL CAPACITY - Pers			47 75										
OBSERVED 1993 (Aug) Parking Needed for PAC		Not Check	ted 18 90 percent occupa	incy standard	Parking supp	iy unknown							
Hourly Demand Factor Hourly Demand	source: 1993 study at max. capacity	17.3	13										

Narada Falls (Map #7) - Total Visitation Ca	pacity		MORACAPY2-10 XLS							
TOTAL						110 110				
Front Country Trails			Estimated Daily							
	Capacity - PAOT	Capacity - Persons per Day	Csinnaled Dany Use	notes:						
Narada Falls .6 hour average stay	163	2,167	1198.00	1995.00						
		0								
TOTAL	163	2,167	1,198							
TOTAL CAPACITY - PAOT	163									
TOTAL CAPACITY - Persons Per Day	2,167									
OBSERVED 1993 (Aug) PARKING OCCUPANCY	Not Checked									
Parking Needed at PAOT	60 90 percent	occupancy standard P	arking supply uni	known						
Hourly Factor		ts entering Paradise in 1993								
Hourly Demand	356									

Narada Falls

6,848

114

Paradise (Map #7,	#8) - Totai	Visitation	Capacity
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Day Use of Wilderness Trails

<i>Day 230 0. 11</i>	nderness Trails	Allowed Avg. Time on Encounters / Max. Arrival Max Visitor			Max Visitors at	% of Trail Users from This	Max Visitors at One Time from A	tax Users per Day	Per Day		
Traillingad	Trail	Zone	Туре	Teall (Hes)	Visit	Rate / Hour	One Time	Trainsed	Trailinead	from Trailinead	Estimated Use
Paradise	Lakes	Semi	Loop	5.00	37.50	7.50	37.50	0.40	15.00	24.00	20.00
4th Crossing	Lakes	Semi	Luop	5.00	37.50	7.50	37.50	0.10	3.75	6.00	2.50
Paradise	Paradise Glacier	Semi	In-Out	3.00	22.50	3.75	11.25	0.80	9.00	24.00	16.00
4th Crossing	Paradise Glacier	Semi	In-Out	3.00	22.50	3.75	11.25	0.20	2.25	6.00	4.00
Narada Falis	Wonderland - Reflection to Longmire	Semi	in-Out/Through	3.00	22.50	5,00	15.00	0.60	9.00	24.00	24.00
Paradise	High Lakes	Semi	In-Out/Through	0.50	3.75	5.77	2,68	0.50	1.44	23.08	2.50
4th Crossing	High Lakes	Semi	In-Oul/Through	0.50	3.75	5,77	2.88	0.25	0.72	13.54	2.50
TOTAL WILDERI	NESS DAY USE								41.16	118.62	71.50

Wilderness Management Units - Day and Overnight Use

				Primary		Adjusted			Party at Standard	Number of Parties Allowed (at one P	eople Allowed		Existing Use (camper nights per
Unit	Zone Class	TYPE	Unit Name	Trailhead		sable Acres	Standard	Hr (Acres)	(Acres)	llme)	(at one time)	per nighi)	¥1)
ADIS	HIGH USE CLIMBING	GLACIER	DISAPPOINTMENT CLEAVER	Paradise	1.00	65.18	18,75	394.76	21.05	3,10	9.29	2.00	12.00
AING	HIGH USE CLIMBING	GLACIER	INGRAHAM FLATS	Paradise	1.00	360 58	18 75	394.76	21.05	17.13	\$1.38	36 00	\$135.00
AMUI	HIGH USE CLIMBING	GLACIER	MUIR SNOWFIELD	Paradise	1.00	255.27	18.75	394.76	21.05	12.12	36.37	24.00	737.00
APBL	HIGH USE CLIMBING	BACKCOUNTRY	PEBBLE CREEK	Paradise	1.00	114.14	18.75	394.76	21.05	5.42	16.26		
AKFF	MOD. USE CLIMBING	BACKCOUNTRY	KAUTZ/FUHER ROUTE	Paradise	1.00	78.71	18.75	394.76	21.05	3.74	11.22		
ACOW	PRIMITIVE	BACKCOUNTRY	COWLITZ ALPINE	Paradise	00.1	1246.26	0.25	285.66	1142.65	2.00	6.00		
ACOG	PRISTINE	GLACIER	COWLITZ GLACIER	Paradise	1.00	1419.57	0.13	285.66	2285.31	2.00	6.00		
AMUE	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR EAST	Paradise	1.00	89.16	0.13	285.66	2265.31	2.00	6.00		
AMUW	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR WEST	Paradise	1.00	125.76	0.13	285.66	2285.31	2.00	6.00		
AMUW	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR WEST	Paradise	1.00	53.46	0.13	285.66	2285.31	2.00	6.00		
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradise	1.00	526.24	D.13	285.66	2285.31	2.00	6.00	10.00	320.00
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradise	1.00	23.24	0.13	285.66	2285.31	2.00	6.00		
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradise	1.00	155.69	0.13	285 66	2285.31	2.00	6.00		
XTCR	PRISTINC	BACKCOUNTRY	TATOOSH CREEK	Paradise	5.00	16.85	0.13	42.85	342.84	2.00	6.00		
ACTH			THUMB ROCK	Paradise							0.00	6.00	199.00
AINĬ			INTERGLACIER	Paradise							0.00	6.00	148.00
ACCH			CAMP HAZARD	Paradise							0.00	30,00	1120.00
ASUM	HIGH USE CLIMBING	GLACIER	SUMMIT	Paradise/Wh1 Riv	1.00	727.89	18.75	394.76	21.05	34.57	103.72	6,00	249.00
TOTAL										94	282.24	120	3920

Trailside Camps

manatar can	ipa -								Overnight Use	Existing Use	
				Primary			Adjusted Usable	Annual	Limit (people per (car	nper nights per	
Unit	Zone Class	Туре	Unit Name	Tralihead	OLDZONE	ACRES	Acres	Occupancy	night)	yr)	
BCCM			Camp Mulr	Parad	isə				110	6,848	
TOTAL									110		

Front Country Trails

Front Coun	try Frans		Capacity - Persons per Day (2.5	Estimated Dally		
		Capacity - PAOT	Tumover Per Day)		notes:	
Alla Visla		223	559	506.00	1995	PAOT Reduced for all "upper loop" trails and the Sklyline trail to reflect "semiwildemess" character
Avalanche Lilly	(98	244	865.00	1995	
Deadhorse Cri	eek	292	731	232.00	1995	
Fourth Crossin	g	37	92	75.00	Park	
Glacler Visla		20	51	\$50.00	Park	
Golden Gate		102	254	150.00	Park	
Guide House	2 minutes	5	1,248	600.00	BRW est	
High Skyline		81	203	298.00	Park	
Lower Lakes	non-wildemess portion	134	335	25.00	Park	
Moraine		20	51	25.00	Park	
Nisqually Vista	L Contraction of the second	219	548	365.00	1995	
Pebble Creek		73	183	222.00	1995	
Skyline		731	1,828	1430.00	1995	
Waterlal		65	163	100.00	Park	
TOTAL		2,101	5,240	5,043 [aily Capacity D	oes not include Guidehouse Trail, assumed to be a feeder to all other traits
Note: Visitors r	nay use multiple trails					

Paradise (Map #7, #8) - Total Visitation Capacity (Continued)

MORACAPY2-10.XLS

	ប់ករវិទ	Туре	Factor		PAOT	Persons/Day
Jackson Visitor Center		Park Estimated			360	1,474 1.9 hours
Pionic Area	82.00	Tables	3.00	parsons/table	246	6152.5 tums per lable
Paradise Inn	129.00	Rooms	3.00	persons/room	387	387 Note: most rooms vacant at max, area occupar
Paradise Inn + Lounge	432.00	SF	28.75	SF/Person	15	382.5 lums per table
Gitt Shop/Snack Bar	2200.00	SF	28.75	SF/Person	77	1224 0 minute avg. stay
Paradise Inn Lobby	5968.00	SF	69.00	SF/Person	86	1384 0 minute avg. slay
Guide House Sales	1943.00	SF	38.00	SF/Person	51	B180 minute avg. stay
Guide House Restrooms	738.00	SF	46.00	SF/Person	16	513
Ranger Station	72.00	SF	17.00	SF/Person	4	68
Total					884	2,520 Note: Each visitor will use multiple areas
Summary	PAOT	Persons Per Day	Noles:			
Wildemoss Trails - Day Users	41	Part of Front Country Trails				
Cross Country Zones - Day Users	282	Part of Front Country Trails				
Cross Country Zones - Overnight	120	Part of Front Country Traits	Not Included in are	a PAOT		
Traitside Camps - Overnight	110	Part of Front Country Trails				
Front Country Trails	2,101	5,240	Assumes lurinover	of 2.5 times, per 19	93 Study	
Facilities/Buildings	884	2,620	Assumes 33 perce	nt of all visitors don't	use traits	
TOTAL	3,419	7,859	Day use in cross of	xuntry zones exclude	bd	
	Tolai	Day Use	Overnight			
TOTAL CAPACITY - PAOT	3,419	3,189	230			
TOTAL CAPACITY - Persons Per Day	7,859	7,629	230			
TOTAL CURRENT USE	9.780 ba	sed on traffic counts, some may not	stop in area			
OBSERVED 1993 (Aug) PARKING OCCUPANCY		270 vehicles, less 40 employees =		PAOT assuming 3.0) not vobicio	
Parking Needed at PAOT	1,266		Parking supply =	FAOT assuming 5.0	756	spaces not including "down the road" parking
	1,200		Parking supply 4		100	spaces for including down the road parking
Hourly Factor	18.44% Ira	ffic counts entering Paradise in 1993				
Hourly Demand	1,292					

Reflection Lakes (Map #8) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

Day Use of Wilde	erness Trails			Avg. Time	Allowed			% of Trail Users			Per Day	
Trailhead	Trail	Zone	Туре	on Trail (Hrs)	Encounters / Visit		Max Visitors at One Time		Max Visitors at One Time from Trailhead	Max Users per Day from Trailhead	Estimated Use (Attach 5)	1995 Weekend w/ Good Weather
Reflection Lake	Pinnacte Peak	Semi	In-Out	4.00	30.00	3.75	15.00	1.00	15.00	30.00	50.00	103.00
Reflection Lake	Lakes	Semi	Loop	5.00	37.50	7,50	37.50	0.60	22.50	36.00	2.50	143.00
Reflection Lake	Wonderland - Box Can to Reflection	Semi	In-Out	4.00	30.00	3.75	15.00	0.60	9.00	18.00	4.50	
Reflection Lake	Wonderland - Reflection to Longmire	Semi	In-Out/Through	3.00	22.50	5.00	15.00	0.10	1.50	4.00	4.00	
Reflection Lake	High Lakes	Semi	In-Out/Through	0.50	3.75	5.77	2.88	0.25	0.72	11.54	2.50	
TOTAL									49	100	64	246

Wilderness Management Units - Day and Overnight Use

Wilderness N	lanagement Units - Dây and	d Overnight Use				Encounters/						
Unit	Zone Class	TYPE Unit Nam	Primary e Trailhead	Hide U	Adjusted sable Acres	Hr Allowed Within Standard	Area Covered / Hr (Acres)	Area Needed / Party at Standard (Acres)	Number of Parties Allowed (at one time)		Overnight Carrying Capacity (people (c per night)	Existing Use amper nights per yr)
XMAZ	PRISTINE	BACKCOUNTRY MAZAMA	RIDGE Reflection	Э	278.14	0.13	145.50	1164.00	2.00	6.00		
XMAZ	PRISTINE	BACKCOUNTRY MAZAMA	RIDGE Reflection	3	216.18	0.13	145.50	1164.00	2.00	6.00		
XMAZ	PRISTINE	BACKCOUNTRY MAZAMA	RIDGE Reflection	з	58.15	0.13	145.50	1164.00	2.00	6.00		
XMAZ	PRISTINE	BACKCOUNTRY MAZAMA	RIDGE Reflection	3	147.36	0.13	145.50	1164.00	2.00	6.00		
XMAZ	PRISTINE	BACKCOUNTRY MAZAMA	RIDGE Reflection	3	17.36	0.13	145.50	1164.00	2.00	6.00		
XMAZ	PRISTINE	BACKCOUNTRY MAZAMA	RIDGE Reflection	з	0.83	0.13	145.50	1164.00	2.00	6.00		
XMAZ	PRISTINE	BACKCOUNTRY MAZAMA	RIDGE Reflection	3	4.68	0.13	145.50	1164.00	2.00	6.00		
XTAT	PRIMITIVE	BACKCOUNTRY TATOOSI	RANGE Reflection	3	504.27	0.25	145.50	582.00	2.00	6.00	5.00	75.00
XSTE	PRISTINE	BACKCOUNTRY STEVENS	RIDGE Reflection	3	2116.23	0.13	145.50	1164.00	2.00	6.00	9.00	13.00
TOTAL									18	54.00	14	88

Trailside Camps

							Adjusted				
				Primary			Useable	Annual	Overnight Use Limit	Existing Use (cmpaer	
Unit	Zone Class	TYPE	Unit Name	Trailhead	OLDZONE	ACRES	Acres	Occupancy	(people per night)	nights per year)	
BCPR	SEMIPRIMITIVE	CAMP	Paradise River (Camp Reflection		8	7.73	243.00	14.00	441	
TOTAL									14.00		

Front Country Trails

From Country trans	Capacity - PAOT	Capacity - Persons/Day	Estimated Use			
Pinnnacle Peak non-wilderness portion	49	296	50.00			
TOTAL CAPACITY - PAOT TOTAL CAPACITY - Persons Per Day	166 423					
OBSERVED 1993 (Aug) PARKING OCCUPANCY PARKING NEEDED AT PAOT		vehicles = about percent occupancy	93 standard	PAOT assuming 3.0 Parking supply =) people/vehicle 79.0	spaces
Hourly Factor Hourly Demand	10.27% 43					

	(Map #10, 15)				MORACI	4PY2-10.XL5							
Day Use of Wild	derness Trails Trail	Zone	Туре	Avg. Time on Trail (Hrs)		Max. Arrival	Max Visitors at One Time		Max Visitors at One Time from Trailhead	Day from	Per Day Estimated Use		
Shriner Peak FOTAL	Shriner Peak	Semi	One-way	6.00	45.00	9.75	22.50	1.00	22.50 22.50	30.00 30.00	10.00 10.00		
Wilderness Ma	nagement Units - Day and Overnigh	t Use					Encounters/		Area Needed /				
Unit	Zone Class	TYPE	Unit Name	Primary Trailhead	Hide	Adjusted Uşable Acres	Hr Allowed Under Standard	Area Covered /	Party at	Number of Parties Allowed (at one time)		Overnight Carrying Capacity (people per night)	(camper nights pe
XSHR	PRISTINE	BACKCOUNTRY	SHRINER PEAK	Shriner Peak	5.00	4175.54	0.13	42.85	342.84	12.18	36.54		•
XSHR TOTAL	PRISTINE	BACKCOUNTRY	' SHRINER PEAK	Shriner Peak	5.00	50.50	0.13	42.85	342.84	2.00 1 4.18	6.00 42.5 4	0.00	
Traliside Camp	25								Overnight Use	Existing Use			
Unit	Zone Class	Туре	Unit Name	Primary Trailhead	OLDZONE	ACRES	Adjusted Usable Acres		Limit (people per night)	(camper nights) per yr)			
BCSR TOTAL	SEMI-PRIMITIVE	САМР	SHRINER PEAK CAMP	Shriner Peak		7.7370	7.75		2.00 2.00	87.00			
TOTAL CAPAC	ITY - PAOT ITY - Persons per Day	67 67											
OBSERVED 19 Parking Neede	93 (Aug) PARKING OCCUPANCY d for PAGT	Not Checked	Parking supply unknow	'n									

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Snow Lake/Bench Lake (Map #8) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

				Avg. Time	Allowed			% of Trail Users	Max Visitors at	Max Users per	Per Day	1996 Observed
				on Trail	Encounters /	Max. Arrival	Max Visitors	from This	One Time from	Day from	Estimated Use	Max.Users Per
Trailhead	Trali	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	Trailhead	Trailhead	Att. 6	Day
Snow Lake	Show Lake	Transition	One-way	3.00	37.50	6.25	18.75	1.00	19	50	55	69
TOTAL									18.75	50.00	55.00	

Wilderness Management Units - Day and Overnight Use

Unit	Zone Class	TYPE	Unit Name	Primary Trailhead	Hie	Adjusted de Usable Acres	Encounters/ Hr Allowed Under Standard	Area Covered / Hr (Acres)	Area Needed / Party at Standard (Acres)		•	Overnight Carrying Capacity (people per (cal night)	Existing Use mper nights per yr)
XTAT TOTAL	PRIMITIVE	BACKCOU	N TATOOSH RANGE	Snow Lake	3.0	0 667.69	0.25	145.50	582.00	2 2	6.00 6	5 5	75 75
<i>Trailside Camps</i> Unit BCSL TOTAL	Zone Class Transition	Т уре Самр	Unit Name SNOW LAKE CAMP		OLDZONE BCSL	ACRES 7.7320	Adjusted Usable Acres 7.75	Annua) Occupancy 298.00	Overnight Use Limit (people per night) 6 6.00	Existing Use (camper nights per yr) 332			
	Y - Persons per Day (Aug) PARKING OCCUPANCY	11 10.27%	911 vehicles = about 90 percent occupanc 90 plus viewing	33 sy standard, plu:		DT assuming 3.0 p Parking suppl		ie 20	spaces				

1

Sunrise (Map #6, #11) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

Trailhead	Trail	Zone	Туре	Avg. Time on Trail (Hre)	Allowed Encounters / Visit		Max Visitors at One Time			Max Users per Day trom Trailhead	Per Day Estimated Use (Attach, 5)
Sunrise	Wonderland - to Mystic Lake	Semi	in-Out/Through	5.00	37.50	3.85	19.23	0.85	16.35	26.15	16.00
Sunrise	Buroughs Mountain - Loop (wilderness portion	Transition	Through/In-Out	1.30	16.25	9.62	12.50	1.00	12.50	76.92	80.00
Sunrise	Buroughs Mountain - 2nd Mtn	Semi	In-Out	1.00	7.50	3.75	3.75	1.00	3.75	30.00	32.00
Sunrise	Buroughs Mountain - 3rd Min	Semi	in-Out	1.00	7.50	3.75	3.75	1.00	3.75	30.00	8.00
Subtotal	Boroughs Mountain						20.00		20.00		
Suntise	Mt, Fremont	Transition	In-Out	3.00	37.50	6.25	(8.75	1.00	18.75	50.00	60.00
Sunrise	Lake Eleanor	Semi	In-Out	4.00	30.00	3.75	15.00	0.40	6.00	12.00	6,00
Sunrise	Huckleberry Creek	Semi	In-Out	3.00	22.50	3.75	11.25	1.00	11.25	30.00	5.00
Sunrise	Silver Forest (FRONT COUNTRY)	Semi	In-Out	2.00	15.00	3.75	2.00	1.00	2.00	30.00	40.00
Sunrise	Wonderland-Sunrise to W.R. (Fails)	Semi	Through/in-Out	0.75	5.63	6.25	4.69	0.80	3.75	40.00	15.00
Sunrise	Wonderland-Falls to W.R.	Semi	Through	1.25	9.38	7.50	9.38	0.64	6.00	38.40	15.00
Sunrise	Northern Loop - Day	Semi	In-Out	4.00	30.00	3.75	15.00	0.65	9,75	19,50	5.25
Sunrise	Northern Loop - Overnight	Semi	Loop	24.00	180.00	7.50	180.00	0.35	63.00	21.00	5.25
Sunrise	Glacior Basin	Transition	In-Out	3.00	37.50	6.25	18.75	0.10	1.88	5.00	2.00
Sunrise	Sunrise Rim	Transition	In Ou/Through	1.00	12.50	8.33	8.33	1.00	8.33	66.67	50.00
Sunrise	Sourdough Ridge	Semi	In Out/Through	2.00	25.00	8.33	16.67	1.00	16.67	66.67	100.00
TOTAL							339.04	11.79	203.72	542.31	369.50

Prinary Prinary Buillade Buillade Prinary Buillade Buillade Prinary Buillade Buillade Prinary Buillade Prinary Buillade Prinary Buillade Prinary Buillade Buillade <th>wider</th> <th>ness management units - Day and Overnight Use</th> <th></th> <th></th> <th>- /</th> <th></th> <th></th> <th>Encounters/ Hr Allowed</th> <th>Агеа</th> <th>Area Needed / Party at</th> <th>Number of</th> <th></th> <th>Overnight Carrying</th> <th>Existing Use</th>	wider	ness management units - Day and Overnight Use			- /			Encounters/ Hr Allowed	Агеа	Area Needed / Party at	Number of		Overnight Carrying	Existing Use
ANIN PRISTINE GLACIER WINTROP CLACIER Summa 1.00 1907 36 0.13 1926 786 2285 31 2.00 6.00 AWLG PHISTINE GLACIER WINSLOW GLACIER Summa 1.00 2215 36 0.13 2285 66 2285 31 2.00 6.00 AWLG PHISTINE GLACIER WINSLOW GLACIER Summa 1.00 3225 0.13 2285 66 2285 31 2.00 6.00 ANULG PHISTINE GLACIER WINSLOW GLACIER Summa 1.00 3225 0.13 285 66 2285 31 2.00 6.00 6.00 XBMT PHISTINE BACKCOUNTRY WINTROP CLARE Summa 4.00 146.44 0.13 285 66 2285 31 2.00 6.00 6.00 4.00 XELE PHISTINE BACKCOUNTRY MUNT PREMORT Summas 5.00 613.34 0.25 145 50 182.00 2.00 6.00 XLEE PHISTINE BACKCOUNTRY MUNT PREMORT	Unit	Zone Class	TYPE	Unit Name		Hide U						••••		
AWLG PHISTINE GLACIER WINSLOW GLACIER Sumial 1.00 24.12 0.13 28.66 228.91 2.00 6.00 AWLG PHISTINE GLACIER WINSLOW GLACIER Sumial 1.00 225.86 28.66 228.51 2.00 6.00 XMLT PHISTINE GLACIER WINSLOW GLACIER Sumial 1.00 32.25 0.13 28.66 228.51 2.00 6.00 XBUR PHISTINE GLACIEN WINSLOW GLACIER Sumial 1.00 22.40 0.13 28.66 228.51 2.00 6.00 6.00 XBUR PHISTINE GLACIENTINY LAKE ELEANOR Sumial 0.00 611.34 0.25 0.25 0.26 0.26 0.00 6.00 <th< td=""><td>AWIN</td><td>PRISTINE</td><td>GLACIER</td><td>WINTHROP GLACIER</td><td>Sunrise</td><td></td><td></td><td></td><td>• •</td><td>• •</td><td>· ·</td><td>· ·</td><td>P 41 10 2011</td><td>1.1</td></th<>	AWIN	PRISTINE	GLACIER	WINTHROP GLACIER	Sunrise				• •	• •	· ·	· ·	P 41 10 2011	1.1
AVLG PHISTINE GLACIER WINSLOW GLACIER Suntiso 1.00 215.98 0.13 285.68 2285.31 2.00 6.00 AVRLG PHISTINE GLACIER WINSLOW GLACIER Suntiso 1.00 325.50 0.128 285.68 2285.31 2.00 6.00 XBMT PHISTINE BACKCOUNTRY BURR VOLGER MOUNTAN Suntiso 1.00 2245.68 2285.31 2.00 6.00 XELE PHISTINE BACKCOUNTRY LAKE ELEANOR Suntiso 1.00 2245.68 242.65 171.42 2.57 16.70 XELE PHISTINE BACKCOUNTRY LAKE ELEANOR Suntiso 3.00 484.33 0.25 42.85 171.42 2.57 16.70 XIOS PHISTINE BACKCOUNTRY MOUNT FREMONT Suntiso 3.00 484.33 0.25 42.85 342.84 6.30 0.04 XIOS PHISTINE BACKCOUNTRY MONESE FINA Suntiso 3.00 270.96 1164.00 2.00	AWLG	PRISTINE	GLACIER	WINSLOW GLACIER	Sunrise	1.00	24.12							
AW.G. PRISTNE GLACIER WINGO GUN GLACIER Suntiso 1.00 32.25 0.13 226.66 226.31 2.00 6.00 XBUR PRISTINE BACKCOUNTRY BURNOUGIS MOUNTAIN Suntiso 2.00 6.015 2.00 6.00	AWLG	PRISTINE	GLACIER	WINSLOW GLACIER	Sunrise	1.00	215.98	0.13	285.66	2285.31	2.00			
XBMT PRIMITIVE BACKCOUNTRY BURNIF ARK Survise 2.00 878 52 0.25 21.0 88 843.57 2.00 6.00 XBUR PRISTINE BACKCOUNTRY BURNIF PARK Survise 4.00 116.44 0.13 88.49 71.580 2.00 6.00 4.00 XELE PRISTINE BACKCOUNTRY KKE ELANOR Survise 5.00 611.34 0.25 42.85 71.42 3.07 70.70 XFRE PRIMITIVE BACKCOUNTRY MOUNT FREMONT Survise 5.00 613.34 0.25 42.85 342.86 2.00 6.00 XLOS PRISTINE BACKCOUNTRY MOUNT FREMONTS Survise 3.00 474.44 0.13 144.55 1164.00 2.00 6.00 XINS PRISTINE BACKCOUNTRY MARE Survise 3.00 3.63 0.25 145.50 582.00 2.00 6.00 XINS PRISTINE BACKCOUNTRY Survise 3.00 3.63	AWLG	PRISTINE	GLACIER	WINSLOW GLACIER	Sunrise	\$,00	32.25	0.13	285.66					
KELE PRISTINE BACKCOUNTRY LAKE ELEANOR Sumise 1.00 2240.86 0.13 285.66 2285.11 2.00 6.00 XELE PRIMITVE BACKCOUNTRY MAKE ELEANOR Sumises 5.00 611.34 0.25 142.50 352.00 6.00 XFRE PRIMITVE BACKCOUNTRY MOUNT FREMONT Sumises 3.00 444.33 0.25 142.50 352.00 6.00 XLOS PRISTINE BACKCOUNTRY MOST CREEK Sumises 3.00 474.44 0.13 145.50 1164.00 2.00 6.00 XMYS PRISTINE BACKCOUNTRY MNSTEL CAKE Sumises 3.00 270.96 0.13 145.50 1164.00 2.00 6.00 XMWS PRISTINE BACKCOUNTRY SUMISE RIM Sumise 3.00 270.96 0.13 145.50 582.00 2.00 6.00 XFIM PRIMITVE BACKCOUNTRY SUMISE RIM Sumise 1.00 165.7 145.50 582.0	XBMT	PRIMITIVE	BACKCOUNTRY	BURROUGHS MOUNTAIN	Sunrise	2.00	878.52	0.25	210.89	843.57				
KELE PRISTINE BACKCOUNTRY LAKE ELEANOR Sumise 1.00 242.80 0.13 28.56 228.51 2.00 6.00 KELE PRIMITVE BACKCOUNTRY LAKE ELEANOR Sumise 3.00 611.34 0.25 12.5 12.5 10.70 XFRE PRIMITVE BACKCOUNTRY MOUNT FREMONT Sumise 3.00 6414.33 0.25 145.50 582.00 2.00 6.00 XLOS PRISTINE BACKCOUNTRY MOUNT FREMONT Sumise 3.00 474.44 0.13 145.50 1164.00 2.00 6.00 XMSE PRISTINE BACKCOUNTRY MONELEY PEAK Sumise 3.00 270.96 0.13 145.50 1164.00 2.00 6.00 XRIM PRISTINE BACKCOUNTRY SUNRISE RIM Sumise 3.00 710.70 145.50 582.00 2.00 6.00 XRIM PRIMITVE BACKCOUNTRY SUNRISE RIM Sumise 3.00 710.50 252.56 1142.65	XBUR	PRISTINE	BACKCOUNTRY	BURNT PARK	Sunrise	4.00	146.44	0.13	89.49	715.90	2.00	6.00	6.00	4.00
XFRE PRIMITIVE BACKCOUNTRY MOUNT FREMONT Sumise 3.00 484.33 0.25 145.50 S82.00 2.00 6.00 XLOS PRISTINE BACKCOUNTRY LOST CREEK Sumise 5.00 2393.52 0.13 448.50 342.64 6.98 20.94 XMYS PRISTINE BACKCOUNTRY MUSTELCARE Sumise 3.00 474.44 0.13 145.50 1164.00 2.00 6.00 XNEE PRISTINE BACKCOUNTRY MCRELEY PEAK Sumise 3.00 270.96 0.13 145.50 1164.00 2.00 6.00 KRIM PRIMITIVE BACKCOUNTRY MUNTERE RIM Sumise 3.00 7.19 0.25 145.50 582.00 2.00 6.00 XSKY PRISTINE BACKCOUNTRY SURGRAPER MOUNTAIN Sumise 1.00 170.5 0.25 285.66 1142.65 2.00 6.00 XSKY PRISTINE BACKCOUNTRY SURGRAPER MOUNTAIN Sumise 1.00 <t< td=""><td>XELE</td><td>PRISTINE</td><td>BACKCOUNTRY</td><td>LAKE ELEANOR</td><td>Sunrise</td><td>1.00</td><td>2240.80</td><td>0.13</td><td>285.66</td><td>2285.31</td><td>2.00</td><td>6.00</td><td></td><td></td></t<>	XELE	PRISTINE	BACKCOUNTRY	LAKE ELEANOR	Sunrise	1.00	2240.80	0.13	285.66	2285.31	2.00	6.00		
XLOS PRISTINE BACKCOUNTRY LOST CREEK Sumisa 5.00 2393.52 0.13 42.85 342.84 6.98 20.94 XMYS PRISTINE BACKCOUNTRY MYSTIC LAKE Sunisa 3.00 474.44 0.13 145.50 1164.00 2.00 6.00 XNEE PRISTINE BACKCOUNTRY MYSTIC LAKE Sunisa 3.00 474.44 0.13 145.50 1164.00 2.00 6.00 XRIM PRIMITIVE BACKCOUNTRY SUNRISE RIM Sunisa 3.00 37.9 0.25 145.50 582.00 2.00 6.00 XRIM PRIMITIVE BACKCOUNTRY SUNRISE RIM Sunisa 3.00 7.9 0.25 145.50 582.00 2.00 6.00 21.00 XSKY PRISTINE BACKCOUNTRY SUNRISE RIM Sunisa 2.00 168.07 1.13 210.89 1687.14 2.00 6.00 21.00 XSKY PRISTINE BACKCOUNTRY SUNRISE MADOW LAKE Sunisa 1.00 17.05 0.25 285.66 1142.65 2.00 6.00 20.00	XELE	PRIMITIVE	BACKCOUNTRY	LAKE ELEANOR	Sunrisa	5.00	611.34	0.25	42.85	171.42	3.57	10.70		
XMYS PRISTINE BACKCOUNTRY MYSTIC LAKE Suntise 3.00 474.44 0.13 1145.50 1164.00 2.00 6.00 XNEE PRISTINE BACKCOUNTRY MCNEELEY PEAK Suntise 3.00 270.96 0.13 145.50 1164.00 2.00 6.00 XNEE PRISTINE BACKCOUNTRY SUNRISE RIM Suntise 3.00 36.53 0.25 145.50 582.00 2.00 6.00 XRIM PRIMITIVE BACKCOUNTRY SUNRISE RIM Suntise 3.00 36.53 0.25 145.50 582.00 2.00 6.00 XSKY PRISTINE BACKCOUNTRY SUNRISE RIM Suntise 2.00 168.07 0.13 210.89 1687.14 2.00 6.00 21.00 XSKY PRISTINE BACKCOUNTRY SUNRISE RIM Suntise 1.00 176.655 0.25 285.66 1142.65 2.00 6.00 XSLK PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Suntise 1.00 176.655 0.25 285.66 1142.65 2.00 6.00 <td>XFRE</td> <td>PRIMITIVE</td> <td>BACKCOUNTRY</td> <td>MOUNT FREMONT</td> <td>Sunrise</td> <td>3.00</td> <td>484.33</td> <td>0.25</td> <td>145.50</td> <td>\$82.00</td> <td>2.00</td> <td>6.00</td> <td></td> <td></td>	XFRE	PRIMITIVE	BACKCOUNTRY	MOUNT FREMONT	Sunrise	3.00	484.33	0.25	145.50	\$82.00	2.00	6.00		
XNEE PRISTINE BACKCOUNTRY MCNEELEY PEAK Sumise 3.00 77.09 0.13 145.50 1164.00 2.00 6.00 KRIM PRIMITIVE BACKCOUNTRY SUMRISE RIM Sumrise 3.00 36.53 0.25 145.50 582.00 2.00 6.00 KRIM PRIMITIVE BACKCOUNTRY SUMRISE RIM Sumrise 3.00 7.19 0.25 145.50 582.00 2.00 6.00 XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sumrise 2.00 168.07 0.13 210.89 1687.14 2.00 6.00 6.00 21.00 XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sumrise 1.00 17.05 0.25 285.66 1142.65 2.00 6.00 XSIK PRIMITIVE BACKCOUNTRY SUARISE MEADOW Sumrise 1.00 170.5 0.25 285.66 1142.65 2.00 6.00 XSIK PRIMITIVE BACKCOUNTRY SUMRISE MEADOW Sumrise 1.00 196.01 0.25 285.66 1142.65 2.00<	XLOS	PRISTINE	BACKCOUNTRY	LOST GREEK	Sunrise	5.00	2393.52	0.13	42.85	342.64	6.96	20.94		
XRIM PRIMITIVE BACKCOUNTRY SUNRISE RIM Sunrise 3.00 36.53 0.25 145.50 582.00 2.00 6.00 XPIIM PRIMITIVE BACKCOUNTRY SUNRISE RIM Sunrise 3.00 7.19 0.25 145.50 582.00 2.00 6.00 XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sunrise 2.00 168.07 0.13 210.89 1687.14 2.00 6.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 21.00 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0 6.00 20.0	XMYS	PRISTINE	BACKCOUNTRY	MYSTIC LAKE	Sunrise	3.00	474.44	0.13	145.50	1164.00	2.00	6.00		
XRIM PRIMITIVE BACKCOUNTRY SUNRISE RIM Sunrise 3.00 7.19 0.25 145.50 582.00 2.00 6.00 XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sunrise 2.00 168.07 0.13 210.89 1687.14 2.00 6.00 6.00 21.00 XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sunrise 2.00 282.84 0.13 210.89 1687.14 2.00 6.00 21.00 XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunrise 1.00 17.05 0.25 285.66 1142.65 2.00 6.00 XSLK PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 166.55 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY	XNEE	PRISTINE	BACKCOUNTRY	MONEELEY PEAK	Sunríse	3.00	270.96	0.13	145.50	1164.00	2.00	6.00		
XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sunise 2.00 168.07 0.13 210.89 168.7.14 2.00 6.00 21.00 XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sunise 2.00 282.84 0.13 210.89 1687.14 2.00 6.00 21.00 XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunise 1.00 17.05 0.25 285.66 1142.65 2.00 6.00 XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunise 1.00 17.05 0.25 285.66 1142.65 2.00 6.00 XSRD PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunise 1.00 166.55 0.25 285.66 1142.65 2.00 6.00 XSRD PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunise 1.00 196.01 0.25 285.66 1142.65 2.00	XRIM	PRIMITIVE	BACKCOUNTRY	SUNRISE RIM	Sunrise	3.00	36.53	0.25	145.50	582.00	2.00	6.00		
XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sunrise 2.00 282.84 0.13 210.89 1687.14 2.00 6.00 21.00 XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunrise 1.00 17.05 0.25 285.66 1142.65 2.00 6.00 XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunrise 1.00 17.05 0.25 285.66 1142.65 2.00 6.00 XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunrise 1.00 166.55 0.25 285.66 1142.65 2.00 6.00 XSRD PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 191.02 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRA PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 5.00 196.01 0.25 285.66 1142.65 2.00 6.00	XRIM	PRIMITIVE	BACKCOUNTRY	SUNRISE RIM	Sunrise	3.00	7.19	0.25	145.50	582.00	2.00	6.00		
XSKY PRISTINE BACKCOUNTRY SKYSCRAPER MOUNTAIN Sunrise 2.00 282.84 0.13 210.89 1687.14 2.00 6.00 XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunrise 1.00 17.05 0.25 285.66 1142.65 2.00 6.00 XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunrise 1.00 166.55 0.25 285.66 1142.65 2.00 6.00 XSRD PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 166.55 0.25 285.66 1142.65 2.00 6.00 XSRD PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 9.91 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE ROAD Sunrise 5.00 196.01 0.25 285.66 1142.65 2.00 6.00 6.00	XSKY	PRISTINE	BACKCOUNTRY	SKYSCRAPER MOUNTAIN	Sunrise	2.00	168.07	0.13	210.89	1687.14	2.00	6.00	6.00	21.00
XSLK PRIMITIVE BACKCOUNTRY SHADOW LAKE Sunrise 1.00 166.55 0.25 285.66 1142.65 2.00 6.00 XSRD PRIMITIVE BACKCOUNTRY SOURDOUGH RIDGE Sunrise 1.00 121.29 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 9.91 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 9.91 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRA PRISTINE BACKCOUNTRY SUNRISE MEADOW Sunrise 5.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRA PRISTINE BACKCOUNTRY UPPER GRANITE CREEK Sunrise 5	XSKY	PRISTINE	BACKCOUNTRY	SKYSCRAPER MOUNTAIN	Sunrise	2.00	282.84	0.13	210.89	1687.14	2.00	6.00		
XSRD PRIMITIVE BACKCOUNTRY SOURDOUGH RIDGE Sumise 1.00 121.29 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 9.91 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRA PRISTINE BACKCOUNTRY SUNRISE ROAD Sunrise 5.00 1052.75 0.13 42.85 342.84 3.07 9.21 XUGC PRISTINE BACKCOUNTRY UPPER GRANITE CREEK Sunrise 5.00 134.285 342.84 2.00 6.00 6.00 36.00 XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sunrise 5	XSLK	PRIMITIVE	BACKCOUNTRY	SHADOW LAKE	Sunrise	1.00	17.05	0.25	285.66	1142.65	2.00	6.00		
XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 91 0.25 285.65 1142.65 2.00 6.00 XSRM PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRA PRIMITIVE BACKCOUNTRY SUNRISE MEADOW Sunrise 5.00 1952.75 0.13 42.85 342.84 3.07 9.21 XUGC PRISTINE BACKCOUNTRY UPPER GRANITE CREEK Sunrise 5.00 1752.75 0.13 42.85 342.84 3.07 9.21 XUGC PRISTINE BACKCOUNTRY UPPER GRANITE CREEK Sunrise 5.00 175.55 0.13 42.85 342.84 2.00 6.00 6.00 36.00 XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sunrise 5.00 285.97 0.13 42.85 342.84 2.00 6.00 XWFW PRISTINE BACKCOUNTRY WEST FORK WHI	XSLK	PRIMITIVE	BACKCOUNTRY	SHADOW LAKE	Sunrise	1.00	166.55	0.25	285.66	1142.65	2.00	6.00		
XSRM PRIMITIVE BACKCOUNTRY SUMRISE MEADOW Sumrise 1.00 196.01 0.25 285.66 1142.65 2.00 6.00 XSRA PRISTINE BACKCOUNTRY SUNRISE ROAD Sumrise 5.00 1052.75 0.13 42.85 342.84 3.07 9.21 XUGC PRISTINE BACKCOUNTRY UPPER GRANITE CREEK Sumrise 5.00 275.14 0.13 42.85 342.84 2.00 6.00 6.00 36.00 XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sumrise 5.00 134.55 0.13 42.85 342.84 2.00 6.00 36.00 XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sumrise 5.00 134.55 0.13 42.85 342.84 2.00 6.00 XWFW PRISTINE BACKCOUNTRY WEST FORK WHITE RIVER Sumrise 5.00 285.97 0.13 42.85 342.84 2.00 6.00	XSRD	PRIMITIVE	BACKCOUNTRY	SOURDOUGH RIDGE	Sunrise	1.00	121.29	0.25	285.66	1142.65	2.00	6.00		
XSRA PRISTINE BACKCOUNTRY SUNRISE ROAD Sunrise 5.00 1052 75 0.13 42.85 342.84 3.07 9.21 XUGC PRISTINE BACKCOUNTRY UPPER GRANITE CREEK Sunrise 5.00 275.14 0.13 42.85 342.84 2.00 6.00 6.00 36.00 XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sunrise 5.00 134.55 0.13 42.85 342.84 2.00 6.00 36.00 XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sunrise 5.00 134.55 0.13 42.85 342.84 2.00 6.00 XWFW PRISTINE BACKCOUNTRY WEST FORK WHITE RIVER Sunrise 5.00 285.97 0.13 42.85 342.84 2.00 6.00	XSRM	PRIMITIVE	BACKCOUNTRY	SUNRISE MEADOW	Sunrise	1.00	9.91	0.25	285.66	1142.65	2.00	6.00		
XUGC PRISTINE BACKCOUNTRY UPPER GRANITE CREEK Sumise 5.00 275.14 0.13 42.85 342.84 2.00 6.00 6.00 36.00 XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sumise 5.00 134.55 0.13 42.85 342.84 2.00 6.00 6.00 36.00 XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sumise 5.00 285.97 0.13 42.85 342.84 2.00 6.00	XSRM	PRIMITIVE	BACKCOUNTRY	SUNRISE MEADOW	Sunrise	1.00	196.01	0.25	285.66	1142.65	2.00	6.00		
XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sunrise 5.00 134.55 0.13 42.85 342.84 2.00 6.00 XWFW PRISTINE BACKCOUNTRY WEST FORK WHITE RIVER 5.00 285.97 0.13 42.85 342.84 2.00 6.00	XSRR	PRISTINE	BACKCOUNTRY	SUNRISE ROAD	Sunrise	5.00	1052.75	0.13	42.85	342.84	3.07	9.21		
XUWF PRISTINE BACKCOUNTRY UPPER WEST FORK Sunrise 5.00 134.55 0.13 42.85 342.84 2.00 6.00 XWFW PRISTINE BACKCOUNTRY WEST FORK WHITE RIVER 5.00 285.97 0.13 42.85 342.84 2.00 6.00	XUGC	PRISTINE	BACKCOUNTRY	UPPER GRANITE CREEK	Sunrise	5.00	275.14	0.13	42.85	342.84	2.00	6.00	6.00	36.00
	XUWF	PRISTINE	BACKCOUNTRY	UPPER WEST FORK	Sunrise	5.00	134.55	0.13	42.85	342.84	2.00	6.00		•••••
TOTAL 57.62 172.86 18.00 61.00	XWFW	PRISTINE	BACKCOUNTRY	WEST FORK WHITE RIVER	l Sunrise	5.00	285.97	0.13	42.85	342.84	2.00	6.00		
	TOTAL										57.62	172.86	18.0D	61.00

Sunrise (Map #6, #11) - Total Visitation Capacity (Continued)

Trallside Camps

Unit	Zone Class	Тур о	Unit Name	Primary Trailhead	OLDZONE	ACRES	Adjusted Usable Acres	Annual Occupancy	Overnight Use Limit (people per night)	Existing Use (camper nights per yr)
BCSW	TRANSITION	CAMP	SUNRISE CAMP (Frontcount	Sunrise	BCSW	7,7430	7.76	49.00	64.00	919.00
BCBP	SEMI-PRIMITIVE	CAMP	BERKELEY PARK CAMP	Sunrise	BCBP	7.73	0.00	341.00	9.00	400.00
BCFC	SEMI-PRIMITIVE	CAMP	FIRE CREEK CAMP	Suntise	BCFC	7.68	0.00	73.00	9.00	109.00
BCGC	SEMI-PRIMITIVE	CAMP	GRANITE CREEK CAMP	Suntise	BCGC	7.73	0.00	142.00	11.00	281.00
BOLE	SEMI-PRIMITIVE	CAMP	LAKE ELENOR CAMP	Sunrise	BCLE	7.73	0.00	298.00	11.00	124.00
TOTAL									104.00	1833.00

Front Country Trails

Front Country Trails								
		Capacity - Persons At One		Estimated				
		Time	Capacity - Persons Pe					
			(2.5 hour stay)	,,				
Burroughs Loop		1	22	80.00				
Sourdough Ridge			87	100.00				
Portion of Wonderland Trail			42	90.00				
Total		751.4	187	78.50 270.00				
Facilities/Buildings		Units	Туре	Factor		PAOT P	ersons/Day	
Ranger Station		1600.0	0 SF	172.50	SF/Person	9		
Terrace		5568.0	0 SF	69.00	SF/Person	81		
Dining		4448.0	0 SF	28.75	SF/Person	155		
Concession Lobby		\$12. 0	0 SF	34.50	SF/Person	15		
Concession Sales		720.0	0 SF	37.90	SF/Person	19		
Comfort Station		912.0	0 SF	46.00	SF/Person	20		
Museum		2322.0	0 SF	28.75	SF/Person	81		
Service Station		3.0	0 Cars	3.00	Persons/Car	9		
Picnic Area		37.0	0 Tables	3.00	Persons/Party	111		
Miscellaneous Areas	15 percent of non-wilderness total					188		
Total			(includes fact	tor Net to Gross SF)		687	2,197	
Summary		PAOT Daily U	30 P	Notes:				
Wilderness Trails			42 Based on typical times	on trail per MORA st	afl.			
Cross-Country Zones - Day Users			73					
Cross Country Zones - Overnight		-	8 Not included in PAOT					
Trailside Camps - Overnight			04					
Front Country Trails			1 Assumes average stay		-	18	78.50	
Facilities/Buildings/Miscellaneous			72 Assume 40 percent dor	n't use other lacilities	/trails			
Total		1,803 3,0						
		To	-	iy-use Overnight				
TOTAL CAPACITY - PAOT		1,8		1,699 122				
TOTAL CAPACITY - Persons Per	r Day	3,0	56 3	2,934 122				
TOTAL CURRENT USE		3,9	55 From 1995 visitor distri	•				
OØSERVED 1993 (Aug) PARKIN	G OCCUPANCY	232	% 604 vehicles ≈ about	1,812	PAOT A	Assuming 3.0 peo	ple per vehicle	
PARKING NEEDED FOR PAOT		6	8 90 percent max. occupa	ancy standard	Parking supply	-	260	spaces
Hourly Demand Factor	source: 1993 study	17.37	%					
Hourly Demand	at max, capacity	5	31					

Sunrise Pt. (Map #11, 14) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

Day Use of Wild	ernēss Trails		Avg. Time	Allowed			% of Trail Users			Per Day	
Trailhead	Trail	Zone	Туре	on Trait (Hrs)	Encounters / Visit		Max Visitors at One Time		Max Visitors at One Time from Trailhead	Max Users per Day from Trailhead	Estimated Use (Attach. 5)
Sunrise Pt.	Hidden Lake	Semi	In-Out	2.00	15.00	3.75	7.50	1.00	7.50	30.00	10.00
Sunrise Pt.	Palisades Lake- to Sunrise Lk	Semi	In-Out	2.00	15.00	3.75	7.50	1.00	7.50	30.00	20.00
Sunrise Pt.	Palisades Lake- to Clover Lk	Semi	In-Out	1.50	11,25	3.75	5.63	0.70	3.94	21.00	14.00
Sunrise PL	Palisades Lake-Trail End	Semi	In-Out	1.50	11.25	3.75	5.63	0.50	2.81	15.00	10.00
TOTAL									21.75	96.00	54.00

Wilderness Management Units - Day and Overnight Use

wnuerne	iss management onits - Day and	Overnight Use					Encounters/						
							Hr Allowed					Overnight Carrying	Existing Use
				Primary		Adjusted	Within		Area Needed / Party	Number of Parties		Capacity (people	(camper nights
Unit	Zone Class	TYPE	Unit Name	Trailhead	Hide U	sable Acres	Standard	Hr (Acres)	at Standard (Acres)	Allowed (at one time)	(at one time)	per night)	per yr)
XPAL	PRISTINE	BACKCOUNTR	Y LOWER PALISADES	Sunrise Pt	3.00	411.93	0.13	145.50	1164.00	2.00	6.00	6.00	6.00
xsu	PRISTINE	BACKCOUNTR	IY SLIDE MOUNTAIN	Sunrise Pt	3.00	1290.32	0.13	145.50	1164.00	2.00	6.00	3.00	7.00
XWRI	PRISTINE	BACKCOUNTR	Y WHITE RIVER PARK	White River	3.00	1215.77	0.13	145.50	1164.00	2.00	6.00	9.00	7.00
XSRN	PRISTINE	BACKCOUNTR	LY SUNRISE RIDGE NO	of Sunrise Pt	5.00	3060.43	0.13	42.85	342.84	8.93	26.78		
XSRS	PRISTINE	BACKCOUNTR	Y SUNRISE RIDGE SC) Sunrise Pt	5.00	3398.57	0.13	42.85	342.84	9.91	29.74		
XHUC	PRISTINE	BACKCOUNTR	Y HUCKLEBERRY PAI	R Sunrise Pt	3.00	997.32	0.13	145.50	1164.00	2.00	6.00	6.00	2.00
XGRE	PRISTINE	BACKCOUNTR	Y GREEN PARK	Sunrise Pt	2.00	833.25	0.13	210.89	1687.14	2.00	6.00	6.00	79.00
XSRN	PRISTINE	BACKCOUNTR	AY SUNRISE RIDGE NO	OF Sunrise Pt	5.00	3060.43	0.13	42.85	342.84	8.93	26.78	0.00	0.00
TOTAL										37.77	113.30	30.00	101.00

Trailside Camps

				Primary			Adjusted	Annual	Overnight Use Limit	Existing Use (camper
Unit	Zone Class	Туре	Unit Name	Trailhead	OLDZONE	ACRES	Usable Acres	Occupancy	(people per night)	nights per yr)
BCDL	SEMI-PRIMITIVE	CAMP	DICK LAKE CAMP	Sunrise Pt	BCDL	7.6270	7.64	49.00	3.00	51.00
BCUP	SEMI-PRIMITIVE	CAMP	UPPER PALISADES	(Sunrise Pt	BCUP	7.7170	7.73	125.00	6.00	170.00
TOTAL									9.00	221.00

TOTAL CAPACITY - PAOT TOTAL CAPACITY - Persons per Day

144	Not including visitors at viewpoint
	AN

144 Not including visitors at viewpoint

OBSERVED 1993 (Aug) PARKING OCCUPANCY	27% 18 vehicles = about	54 P/	AOT Assuming 3.0 people per v	ehicle
Parking Needed for Trail PAOT	53 90 % maximum occupancy	Parking su	upply = 6	i7 spaces
Note: Average duration of stay = 0.89 hours, with 68 % less than	30 minutes			
Estimated viewing demand =	37 PAOT			
Trail demand =	144 PAOT			
Viewing + Trails PAOT	181			
Parking Needed for PAOT w/viewing	67			
Hourly Demand Factor source: 1993 study	17.37%			
Hourly Demand at max. capacity	98			

Tipsoo Lake					MOR	ACAPY2-10.)	(LS						
Day Use of Wil	<i>derness Trails</i> Trail	Zone	Туре	Avg. Time on Trail E (Hrs)	Allowed ncounters Visi	/ Max. Arrival			Max Visitors at One Time from Trailhead		Per Day		
Trailhead		Transition	Loop	2.00	25.00		25.00	0.67	16.75	67.00	20.10		
Tipsoo TOTAL	Naches Loop	manshon	Loop	2.00	20.00	12.00	20.00	0.07	16.75	67.00	20.10		
TOTAL													
Wilderness Ma	nagement Units - Day and Overnight	Use					Encounters/				Number of		
						Adjusted	Hr Allowed			Number of Parties	People	Overnight	Existing Use
				Primary		Usable		Area Covered /	Area Needed / Party			Carrying Capacity (ca	
Unit	Zone Class	TYPE	Unit Name	Trailhead	Hide	Acres	Standard	Hr (Acres)	at Standard (Acres)	time)	one time)	(people per night)	yr)
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5.00	146.06	0.13	42.85	342.84	2.00	6.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5.00	12.56	0.13	42.85	342.84	2.00	6.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5.00	29.01	0.13	42.85	342.84	2.00	6.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5.00	1998.36	0.13	42.85	342.84	5.83	17.49		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5.00	1.98	0.13	42.85	342.84	2.00	6.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5.00	19.78	0 13	42 85	342.84	2.00	6.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5.00	19.04	0.13	42.85	342.84	2.00	6.00		
XGOS	PRISTINE	BACKCOUNTRY	GHOST LAKE	Tipsoo	5.00	513.61	0.13	42.85	342.84	2.00	6.00		
XLCR	PRISTINE	BACKCOUNTRY	LOWER CRYSTAL MOUNTA	sll Tipsoo	5.00	856.35	0.13	42.85	342.84	2.50	7.49		
XLCR	PRISTINE	BACKCOUNTRY	LOWER CRYSTAL MOUNTA	dt Tipsoo	5.00	652.45	0.13	42.85	342.84	2.00	6.00		
TOTAL										24.33	72.98	0.00	0.00
Trailside Camp	16												
transide outlig							Adjusted		A	Existing Use			
	Zone Class	Туре	Unit Name	Primary Trailhead Q		ACRES	Uşable Acres	Occupancy	Overnight Use Limit (people per night)				
Unit		CAMP	LOWER CRYSTAL CAMP	Crystal Creel B		7.7280	7.74	121.00	2.00	148.00			
BCLC	SEMI-PRIMITIVE	CAMP	UPPER CRYSTAL CAMP	Crystal Creel B Crystal Creel B		7.7380	7.75	165.00	2.00	205.00			
BOUC TOTAL	SEMI-PRIMITIVE	CAMP	UPPER UNISIAL CAMP	Crystal Oreents	000	1.//300	1.14	100.00	4.00	200.00			
TOTAL													
YOTAL OADAC		9	A										
TOTAL CAPAC		9											
TOTAL CAPAC	CITY - Persons/Day	9	-										
OBSERVED 19	93 (Aug) PARKING OCCUPANCY	40	% 18 vehicles = about	64.00	PAO	r							
Parking Neede			5 Parking supply =	45	spaces								
		•		-									

Twin Firs (Map # 1) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

•				Avg. Time	Allowed			% of Trall Users		Max Users per	
				on Trall	Encounters /	Max. Arrivai	Max Visitors	from This	Max Visitors at One	Day from	Per Day
Trailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	Time from Trailhead	Trailhead	Estimated Use
Twin Firs	Twin Firs	Semi	Loop	0.50	3.75	7.50	3.75	1.00	10.00	160.00	1.00
TOTAL									10.00	160.00	1.00

Zone Designation Seems Incorrect

TOTAL CAPACIT TOTAL CAPACIT TOTAL CURRENT	Y - Persons/Day	10 160 1	
OBSERVED 1993 PARKING NEEDE	(Aug) PARKING OCCUPANCY	Not checked 4 90 percent occupancy stand	lard Parking supply unknown
Hourly Factor Hourly Demand	source: 1993 study	17.37% 28	

West Side Road (Map # 1) - Total Visitation Capacity

MORACAPY2-10,XLS

Day Use of Wildernass Trails

-				Avg. Time on Trall	Allowed Encounters /	Max. Arrival	Max Visitors		Max Visitors at One Time from	Max Users per Day from	Per Day Estimated Use	1995 Est, Daily Use, Weekend,
Trailhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	at One Time	Trailhead	Tralihead	Trailhead	(Attach 5)	Good Weather
Dry Creek	Mirror Lakes	Semi	(n-Out	1.50	11.25	3.75	5.63	0.33	1.86	9.90	3.33	
Dry Creek	Tahoma Creek	Semi	in-Out	2.00	15.00	3.75	7.50	0.33	2.48	9.90	1.00	
Dry Creek	Wonderland - IH to Bampart	Semi	In-Out/Through	6.00	45.00	5.00	30.00	0.15	4.50	6.00	7.50	
Dry Creek	Wonderland - Rampart to Longmire	Semi	In-Out/Through	2.00	15.00	5.00	10.00	0.15	1.50	6.00	7.50	
Goboler's Knob	Gobblers Knob	Semi	In-Out	5.00	37.50	3.75	18.75	0.90	16.88	30.00	10.00	
Goal Lake	Goat Lake - USFS	Semi	In-Out	1.00	7.50	3.75	3.75	1.00	3.75	30.00	1.00	
Round Pass	Hound Pass	Sémi	in-Out	0.50	3.75	3.75	1.88	1.00	1,88	30.00	2.00	
South Puyallup	South Puyallup	Semí	in-Out/Through	2.00	15.00	3.85	7.69	1.00	7.69	30.77	3.00	
St. Andrews	St. Andrews	Semi	In-Oul/Through	5.00	37.50	3.85	19.23	1.00	19.23	30.77	2.00	
St. Andrews	Denman Falls	Semi	Loop	0.50	3.75	7.50	3.75	1.00	3.75	60.00	1.00	
Klapatche Point	North Puyallup	Semi	One-way	4.00	30.00	3.80	15.19	1.00	15.19	30.38	1.00	
Klapatche Point	Wonderland - IH to Emerald	Semi	Through	3.00	22.50	7.50	22,50	0.25	5.63	15.00	5.00	
Klapatche Pt.	Wonderland - Emerald to Klapatche	Semi	Through	5.00	37.50	7.50	37.50	0.25	9.38	15.00	2.50	
Klapatche Pl.	Wonderland - Klapatche to Golden Lk	Semi	Through	4.00	30.00	7.50	30.00	0.50	15.00	30.00	5.00	
Klapatche Pt.	Wonderland - Golden Lk to Mowich	Semi	Through	4.00	36.00	7.50	30.00	0.50	f5.00	30.00	5.00	
TOTAL									123.69	363.72	56.83	50.00

Wilderness Management Units - Day and Overnight Use

Wilderness Ma	anagement Units - Day and Overnight Use						Encounters/ Fir Allowed		Area Needed / Party at	Number of	Number of	Overnight Carrying	Existing Use
Unit	Zone Class	TYPE	Unit Name	Primary Trailbead	Hide Lie	Adjusted able Acres	Within Slandard	Area Covered / Hr (Acres)	Standard (Acres)	Parties Allowed (at one time)	People Allowed (at one time)	Capacity (people per night)	(camper nights per
ASTK	PRIMITIVE	=	STAHOMA/KAUTZ GLACIER	Westside	1.00	5.92	0.25	285.66	1142,65	1.00	3.00	her mand	yr)
ATOK	PRIMITIVE		TOKALOO ALPINE	Westside	1.00	1254.95	0.25	285.66	1142.65	2.00	6.00	9.00	405.00
ACOL	PRISTINE	BACKCOUNTRY	COLONADES ALPINE	Westside	1.00	625.85	0.13	285.66	2265.31	2.00	6.00	6.00	47.00
APTG	PRISTINE	GLACIER	PUYALLUP/TAHOMA GLACIERS	Westside	1.00	3004.10	0.13	285.66	2285,31	2.00	6.00		
XEME	PAISTINE	BACKCOUNTRY	FEMERALD RIDGE	Westside	5.00	B42.70	0.13	42.85	342.84	2.46	7.37		
XEME	PRISTINE	BACKCOUNTRY	' EMERALO RIDGE	Westside	5.00	26.36	0.13	42.65	342.84	2.00	6.00		
XKEN	PRISTINE	BACKCOUNTRY	KENWORTHY LAKES	Westside	5.00	894.06	0.13	42.85	342.84	2.61	7.82		
XKLA	PRISTINE	BACKCOUNTRY	KLAPATCHE RIDGE	Westside	5.00	424.38	0.13	42.85	342.84	2.00	6.00		
XSTA	PRISTINC	BACKCOUNTRY	ST ANDREWS	Westside	5.00	364.11	0.13	42.85	342.84	2.00	6.00		
XTAH	PRISTINE	BACKCOUNTRY	TAHOMA CREEK	Westside	5.00	3020.65	0.13	42.85	342.84	8.81	26,43		
Adnx	PRISTINE	BACKCOUNTRY	UPPER PUYALLUP	Westside	5.00	4.94	0.13	42.85	342.84	1.00	3.00		
XUWR	PRISTINE	BACKCOUNTRY	UPPER WESTSIDE ROAD	Westside	5.00	1485.39	0.13	42.85	342.84	4.33	13.00		
XWOW	PRISTINE	BACKCOUNTRY	MOUNT WOW	Wostside	5.00	2061.63	0.13	42.85	342.84	6.01	18.04		

38.22

114.67

15.00

452.00

TOTAL

Trailside Camps

Zone Class	Туре	Unit Name	Primary Trailhead	OLDZONE	ACRES U			Overnight Use Limit (people per night)	Existing Use (camper nighte per yr)
SEMI-PRIMITIVE	CAMP	KLAPATCHE PARK CAMP	Dry Creek	вскр	7,7120	7.73	330.00	12.00	358.00
SEMI-PRIMITIVE	CAMP	NORTH PUYALLUP CAMP	Dry Creek	BCNP	7.6530	7.70	262.00	14.00	265.00
SEMI-PRIMITIVE	CAMP	S PUYALLUP CAMP	Dry Greek	BGSP	7.7260	7.74	398.00	17.00	434.00
SEMI-PRIMITIVE	CAMP	LAKE GEORGE CAMP	Goat Lake	BCLG	7.6900	7.71	336.00	20.00	436.00
								63.00	1493.00
s	Units	Item	Facto	r	PAOT	People/Day			
	38.00	sites	3.00	persons/site	114.00	228.00	Assume 2.0 turnover		
ACITY - PAOT	41	5							
AL CAPACITY - Persons per Day	67	0							
NT COUNTRY - 10 % of all other	4	2							
- MISC FRONT COUNTRY	6	7							
	45	7							
USERS/DAY	73	7							
(Aug) PARKING OCCUPANCY	60	% 24 vehicles ≈ about	72.00	PAOT assuming 3	persons per ve	hicle			
ED FOR PAOT	1	69 90 percent occupancy standard		Parking supply =		40	apaces at Dry Creek		
tor source: 1993 study	16.1	5%							
	1	22							
	35	2							
	59	12							
n Occupancy		3							
	Zone Cless SEMI-PRIMITIVE SEMI-PRIMI	Zone Class Type SEMI-PRIMITIVE CAMP SEMI-PRIMITIVE CAMP SEMI-PRIMITIVE CAMP SEMI-PRIMITIVE CAMP SEMI-PRIMITIVE CAMP S Units 38 00 ACITY - PAOT AL CAPACITY - Persons per Day 67 NT COUNTRY - 10 % of all other 4 - MISC FRONT COUNTRY 60 USERS/DAY 73 I (Aug) PARKING OCCUPANCY 60 or source: 1993 study 18.11 1 33	Zone Cless Type Unit Name SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP SEMI-PRIMITIVE CAMP NORTH PUYALLUP CAMP SEMI-PRIMITIVE CAMP SPUYALLUP CAMP SEMI-PRIMITIVE CAMP LAKE GEORGE CAMP SEMI-PROT 670 1657 USERS/DAY 169 90 percent occupancy standard or Source: 1993 study 18.15% SEMI-PROT 169 90 percent occupancy standard <	Zone Cless Type Unit Name Primary Tratifiead SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP Ory Creek SEMI-PRIMITIVE CAMP NORTH PUYALLUP CAMP Dry Creek SEMI-PRIMITIVE CAMP S PUYALLUP CAMP S at lake SEMI-PRIMITIVE CAMP S at lake 3.00 ACITY - PAOT 415 S at lake 3.00 ACITY - PAOT 457 S at lake 3.00 VI (Aug) PARKING OCCUPANCY 60% 24 vehicles ≈ about 72.00 ED FOR PAOT 169 90 percent occupancy standard 122 S52 592 592	Zone Cless Type Unit Name Primary Trailhed OLOZONE SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP Ory Creek BCKP SEMI-PRIMITIVE CAMP NORTH PUYALUP CAMP Ory Creek BCKP SEMI-PRIMITIVE CAMP SPUYALUP CAMP Ory Creek BCKP SEMI-PRIMITIVE CAMP SPUYALUP CAMP Ory Creek BCSP SEMI-PRIMITIVE CAMP SPUYALUP CAMP Ory Creek BCSP SEMI-PRIMITIVE CAMP SPUYALUP CAMP Ory Creek BCSP SEMI-PRIMITIVE CAMP SIEs Soat Lake BCLG Semi-PRIMITIVE CAMP Sites 3.00 persons/site Semi-PRIMITIVE CAMP Sites 3.00 persons/site Semi-PRIMITIVE CAMP Sites 3.00 persons/site ACITY - PAOT 415 Sites 3.00 persons/site ACITY - PAOT 457 Sites 3.00 PACT assuming 3 UAUSERS/DAY 737 457 PACT 169 90 percent occupancy standard 72.00 PAOT assuming 3 Sc Source: 1993 study 18.15% 32 32 32 32 Sc Source: 1993 study 18.15% <td< td=""><td>Zone Cless Type Unit Name Primary Trailhead OLOZONE ACRES UF SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP Ory Creek BCKP 7.7120 SEMI-PRIMITIVE CAMP NORTH PUYALLUP CAMP Ory Creek BCKP 7.7260 SEMI-PRIMITIVE CAMP SPUYALLUP CAMP Dry Creek BCKP 7.850 SEMI-PRIMITIVE CAMP SPUYALUP CAMP Dry Creek BCSP 7.260 SEMI-PRIMITIVE CAMP SILVE CAMP Dry Creek BCSP 7.200 SEMI-PRIMITIVE CAMP Silves 3.00 persons/640 114.00 ACITY - PAOT 415 Silves 3.00 persons/640 114.00 ACITY - PAOT 415 Silves 3.00 PAOT assuming 3 persons per versons per Versons per Versons SERS/DAY 737 457 120 PACT assuming 3 persons per versons per Versons SED FOR PAOT 169 90</td><td>Zone Class Type Unit Name Primary Trailhead Primary OLOZONE Adjusted ACRES Usable Acres SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP NORTH PUYALUP CAMP Dry Creek Dry Creek BCKP 7.7120 7.73 SEMI-PRIMITIVE SEMI-PRIMITIVE CAMP S PUYALUP CAMP Dry Creek BCSP 7.2690 7.71 SEMI-PRIMITIVE CAMP S PUYALUP CAMP S GSP 7.2690 7.71 SEMI-PRIMITIVE CAMP LAKE GEORGE CAMP BGSP 7.2690 7.71 Semi-PRIMITIVE CAMP LAKE GEORGE CAMP BGSP 7.2690 7.71 Semi-PRIMITIVE Units Item Factor PAOT People/Day Semi-PRIMITIVE Units Item Factor PAOT People/Day Semi-PRIMITIVE 114.00 228:00 228:00 3.00 persons/site 114.00 228:00 ACITY - PAOT 415 Factor PAOT Paople/Day 457 14:00 228:00 ACITY - PAOT 60% 24 vehicles ≈ about 72.00 PAOT assuming 3 persons per vehicle 40 or source: 1993 study 16.15% 122 352 352 SS2 SS2 SS</td><td>Zone Class Type Unit Name Primary Tatifiesd OLOZONE AddES Usable Acres Annual Occupancy SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP NORTH PUYALLUP CAMP SPUYALLUP CAMP LAKE GEORGE CAMP Dry Creek BGSP 7.726 7.73 330.00 s Units 38.00 Itom sites Factor PAOT Poot Poople/Day AL CAPACITY - PAOT AL CAPACITY - Persons per Day NIT COUNTRY Itom 37.00 Factor PAOT Poople/Day ACT C PRONT COUNTRY 670 159 90 percent occupancy standard 72.00 PAOT assuming 3 persons per volida Parking supply = 40 spaces at Dry Creek Semi Primer or source: 1993 study 18.15% 122 592 18.15% 122.00 18.15% 122.00 18.15%</td><td>Zone Cless Type Unit Name Primary Traineed OLOZONE ACRES Usable Acres Anual Occupanto Acres 0 Description Acres 0 SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP Dry Creak BCKP 7.720 7.73 300.00 12.00 SEMI-PRIMITIVE CAMP NORTH PUVALLUP CAMP Dry Creak BCKP 7.720 7.73 300.00 12.00 SEMI-PRIMITIVE CAMP SPUVALLUP CAMP Dry Creak BCKP 7.683.00 7.70 262.00 14.00 SEMI-PRIMITIVE CAMP SPUVALLUP CAMP Dry Creak BCSP 7.690 7.71 363.00 20.00 SEMI-PRIMITIVE CAMP LAKE GEORGE CAMP Dry Creak BCL Q 7.690 7.71 363.00 20.00 SEMI-PRIMITIVE CAMP LAKE GEORGE CAMP S0.00 persons/610 114.00 228.00 Assume 2.0 turnover SEMI-PRIMITIVE LAKE GEORGE CAMP 30.00 persons/610 114.00 228.00 Assume 2.0 turnover SEMI-PRIMITIVE CAMP Silos 30.00 persons/610 114.00 228.00 Assume 2.0 turnover SCMICA PAROT AGE Faron Tool Trait Tool Trait Tool Trait Secon at Dry Creak</td></td<>	Zone Cless Type Unit Name Primary Trailhead OLOZONE ACRES UF SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP Ory Creek BCKP 7.7120 SEMI-PRIMITIVE CAMP NORTH PUYALLUP CAMP Ory Creek BCKP 7.7260 SEMI-PRIMITIVE CAMP SPUYALLUP CAMP Dry Creek BCKP 7.850 SEMI-PRIMITIVE CAMP SPUYALUP CAMP Dry Creek BCSP 7.260 SEMI-PRIMITIVE CAMP SILVE CAMP Dry Creek BCSP 7.200 SEMI-PRIMITIVE CAMP Silves 3.00 persons/640 114.00 ACITY - PAOT 415 Silves 3.00 persons/640 114.00 ACITY - PAOT 415 Silves 3.00 PAOT assuming 3 persons per versons per Versons per Versons SERS/DAY 737 457 120 PACT assuming 3 persons per versons per Versons SED FOR PAOT 169 90	Zone Class Type Unit Name Primary Trailhead Primary OLOZONE Adjusted ACRES Usable Acres SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP NORTH PUYALUP CAMP Dry Creek Dry Creek BCKP 7.7120 7.73 SEMI-PRIMITIVE SEMI-PRIMITIVE CAMP S PUYALUP CAMP Dry Creek BCSP 7.2690 7.71 SEMI-PRIMITIVE CAMP S PUYALUP CAMP S GSP 7.2690 7.71 SEMI-PRIMITIVE CAMP LAKE GEORGE CAMP BGSP 7.2690 7.71 Semi-PRIMITIVE CAMP LAKE GEORGE CAMP BGSP 7.2690 7.71 Semi-PRIMITIVE Units Item Factor PAOT People/Day Semi-PRIMITIVE Units Item Factor PAOT People/Day Semi-PRIMITIVE 114.00 228:00 228:00 3.00 persons/site 114.00 228:00 ACITY - PAOT 415 Factor PAOT Paople/Day 457 14:00 228:00 ACITY - PAOT 60% 24 vehicles ≈ about 72.00 PAOT assuming 3 persons per vehicle 40 or source: 1993 study 16.15% 122 352 352 SS2 SS2 SS	Zone Class Type Unit Name Primary Tatifiesd OLOZONE AddES Usable Acres Annual Occupancy SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP NORTH PUYALLUP CAMP SPUYALLUP CAMP LAKE GEORGE CAMP Dry Creek BGSP 7.726 7.73 330.00 s Units 38.00 Itom sites Factor PAOT Poot Poople/Day AL CAPACITY - PAOT AL CAPACITY - Persons per Day NIT COUNTRY Itom 37.00 Factor PAOT Poople/Day ACT C PRONT COUNTRY 670 159 90 percent occupancy standard 72.00 PAOT assuming 3 persons per volida Parking supply = 40 spaces at Dry Creek Semi Primer or source: 1993 study 18.15% 122 592 18.15% 122.00 18.15% 122.00 18.15%	Zone Cless Type Unit Name Primary Traineed OLOZONE ACRES Usable Acres Anual Occupanto Acres 0 Description Acres 0 SEMI-PRIMITIVE CAMP KLAPATCHE PARK CAMP Dry Creak BCKP 7.720 7.73 300.00 12.00 SEMI-PRIMITIVE CAMP NORTH PUVALLUP CAMP Dry Creak BCKP 7.720 7.73 300.00 12.00 SEMI-PRIMITIVE CAMP SPUVALLUP CAMP Dry Creak BCKP 7.683.00 7.70 262.00 14.00 SEMI-PRIMITIVE CAMP SPUVALLUP CAMP Dry Creak BCSP 7.690 7.71 363.00 20.00 SEMI-PRIMITIVE CAMP LAKE GEORGE CAMP Dry Creak BCL Q 7.690 7.71 363.00 20.00 SEMI-PRIMITIVE CAMP LAKE GEORGE CAMP S0.00 persons/610 114.00 228.00 Assume 2.0 turnover SEMI-PRIMITIVE LAKE GEORGE CAMP 30.00 persons/610 114.00 228.00 Assume 2.0 turnover SEMI-PRIMITIVE CAMP Silos 30.00 persons/610 114.00 228.00 Assume 2.0 turnover SCMICA PAROT AGE Faron Tool Trait Tool Trait Tool Trait Secon at Dry Creak

White River (Map #11, #6) - Total Visitation Capacity

MORACAPY2-10.XLS

Day Use of Wilderness Trails

				Avg. Time	Allowed			% of Trail Users Max Visitors at One			Per Day	1996 Observed	
				on Trail		Max. Arrival Max Visitors at		from This	Time from Max Users per Day		Estimated Use	Max. Use Per 1995 Weekend Day	
Trallhead	Trail	Zone	Туре	(Hrs)	Visit	Rate / Hour	One Time	Trailhead	Trailhead	from Trailhead	(Att. 5)	Day	w/ Good Weather
White River C.G.	Glacier Basin - Emmons Cul-off	Transition	In-Out	2.00	25.00	6.25	\$2.50	0.90	11.25	45.00	60.00	139.00	
White River C.G.	Glacier Basin - to Basin	Transition	In-Out	2.00	25.00	6.25	12.50	0.70	8.75	35.00	42.00		57.00
White River C.G.	Glacier Basin - Climbers	Transition	In-Out	2.00	25.00	6.25	12.50	0.30	3.75	15.00	18.00		
White River C.G.	Wonderland-W.R. to Sunrise	Semi	Through	2.50	18.75	7.50	18.75	0.20	3.75	12.00	3.00		
White River C.G.	Emmons Moraine	Transition	In-Out	1.50	18.75	6.25	9.38	1.00	9.38	50.00	50.00		
TOTAL									36.88	107.00	113.00		

Wilderness Management Units - Day and Overnight Use

												Övernight	
						-	ncounters/Hr			Number of Parties	Number of	Carrying	Existing Use
	_			Primary				Area Covered / Area	a Needed / Party	Allowed (at one I	People Allowed	Capacity (people (camper nights per
Unit	Zone Class	TYPE	Unit Name	Trailhead	Hide Us	able Acres	Standard	Hr (Acres) at S	itandard (Acres)	time)	(at one time)	per night)	yr)
AEMR	MOD. USE CLIMBING	GLACIER	EMMONS ROUTE	White River	1.00	346.51	9.38	394.76	42.11	8.23	24.69	48.00	788.00
AGLA	PRIMITIVE	BACKCOUNTRY	GLACIER BASIN	White River	1.00	357.02	0.25	285.66	1142.65	2.00	6.00		
XWIT	PRIMITIVE	BACKCOUNTRY	UPPER WHITE RIVER	R White River	1.00	37.65	0.25	285.66	1142.65	2.00	6.00		
XWIT	PRIMITIVE	BACKCOUNTRY	UPPER WHITE RIVER	R White River	1.00	587.05	0.25	285.66	1142.65	2.00	6.00		
AEMG	PRISTINE	GLACIER	EMMONS GLACIER	White River	1.00	2290.63	0.13	285.66	2285.31	2.00	6.00		
TOTAL										16.23	48.69	48.00	788.00
											40.00	40.00	700.00

Trailside Camps

	Unit	Zone Class	Туре			Primary Trailhead	OLDZONE	ACRES	Adjusted Usable Acres		Overnight Use Limit (people per night)	Existing Use (camper nights per yr)	
	BCGB	TRANSITION	CAMP		GLACIER BASIN CAMP	White River	BCGB	7.7390	7.76	1021.00	20.00	1266.00	
	BCCS				CAMP SCHURMAN	White River					48.00	2181.00	
	TOTAL										68.00	3447.00	
Front Country Facilities		lies		Units	Туре	Factor		ΡΑΟΤ	Persons/Day				
	Campground		1	112.00	Sites	3.00	Persons/Site	336	336	Assume amphilhea	iter used by campers		
	Picnic			5.00	Tables	3.00	Persons/Table	15	38				
	Total							351	374				
TOTAL CAPACITY - PAOT TOTAL CAPACITY - Persons per Day					Assume 25 percent of tr Assume 50 percent of tr								
OBSERVED 1993 (Aug) PARKING OCCUPANCY Parking Needed for PAOT			154	51 vehicles = about 90 percent maximum oc	153 cupancy	PAOT Parking supply	∩ day use area γ =	51	spaces				
	Hourly Demand Factor	source: 1993 study		17.37%	spaces for CG								
		at max, capacity			people/hr								
		at must suproxy			heobierin								







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WILDERNESS MANAGEMENT UNIT CAPACITY

This section documents the analysis of the visitation capacity of the wilderness management units (crosscountry zones) in Mount Rainier National Park. A spreadsheet format is used to present the results of the analysis. Day-use capacity and overnight use limits are documented. The results of the analysis presented in this section are repeated in the trailhead summaries.

The following page provides an explanation of each column on the spreadsheet. The concepts used to estimate day-use capacity for the wilderness management units are illustrated on the attached diagrams.

Wilderness Management Unit Capacity Calculations

This stable documents the analysis of the capacity of the wilderness management units. Day use capacity is expressed as people at one time (PAOT). Overnight capacity is expressed as people per night. The illustrations following the table show the concepts that were applied in estimating day-use capacity.

- Unit. The four letter code for the wilderness management unit.
- Zone Class. The zone classification of the wilderness management unit; determines allowable encounter rate.
- *Type*. The type of zone.
- Unit Name. The common name of the wilderness unit.
- *Primary Trailhead*. The trailhead that most users of the zone would be expected to use. Matches the trailhead that is the subject of each sheet.
- *Hide.* The hide factor assigned to the unit; Hide = 1 identifies a unit with no vegetation and longdistance visibility, Hide = 5 identifies a unit with heavy vegetation and limited visibility.
- Adjusted Usable Acres. The area within which visitor use can occur in the unit. Portions of the unit with slopes greater than 30 % are excluded from usable area.
- Encounters/Hour Allowed Within Standard. The number of other parties that an individual party can encounter in one hour within the standard for the zone classification of the unit.
- Area Covered per Hour. The area that would be covered by individual parties over a one hour period, including the buffer zone within which an encounter is considered to have occurred. This area is greatest for units with low hide factors.
- Area Needed/ Party at Standard. The average area needed by individual parties at any given time to maintain the number of encounters allowed within the standard. Equal to Area Covered per Hour Divided by Encounters per Hour Allowed Within Standard.
- *Number of Parties Allowed at One Time.* The number of parties that can occupy the unit at one time. Equal to the Adjusted Usable Acres Divided by the Area Needed/ Party at Standard.
- *Number of People Allowed at One Time.* Equal to the Number of Parties Allowed at One Time times 3.0.
- Overnight Carrying Capacity. The number of people that can occupy the unit per night (from Mount Rainier park staff, Attachment 4).
- Existing Use (Camper Nights per Year). The number of camper nights that are spent in the unit per year (from Mount Rainier park staff, Attachment 5).

<u>Trailside Camps.</u> This section documents the overnight capacity of the trailside camps that are served by each trailhead. The same column headings as used for the wilderness management units appear in this section. Not all entries are relevant for the trailside camps.

MT. RAINIER Capacity and Trail Analysis

Illustration Wilderness Unit Capacity

1) Area in Which No Encounters Occur:

A circle with radius **r**, where **r** depends on the hide factor:

Hide		
<u>Factor</u>	<u>r (feet)</u>	
1	1320	
2	1065	udgement
3	810	of analyst
4	555	
5	310	



2) Area needed "per hour" to have no more than one encounter:

"Hide Area" = $\pi r^2 + rd$ where d = 1/2 mile and r is from table above



3) Area Per Person:

Hide area divided by number of encounters allowed per hour (e.g. 5 in this example).



MT. RAINIER Capacity and Trail Analysis

Illustration Wilderness Unit Capacity

4) Allowed Occupancy:

16 people can "fit" given usable area and area needed per person



Unit	Zone Class	ТҮРЕ	Unit Name	Primary Trailhead	Hidə	Adjusted Er Usable All Acres	icounters/Hr lowed Under Standard	Area Covered / Hr (Acres)	Area Needed / Party Within Standard (Acres)	Number of Parties Allowed (at one time)	Overnight Use Limit (people per night)	Existing Use (camper nights per yr)
	Zone class	1172		,	niue	Actes	gtandaru	III (Acres)	(Acres/	Allowed (at one tille)		69.00
XCUR			LOWER CURTIS RIDGE	?? ??							6.00 3.00	8.00
XTAM	00007027	BACKCOUNTRY	TAMANOS MOUNTAIN COWLITZ PARK		3	1211.56	0.25	145.50	582.00	2.08	9.00	59.00
XCOW	PRIMITIVE	BACKCOUNTRY	COWLITZ PARK	Box Canyon Box Canyon	3	1394.04	0.25	145.50	582.00	2.00	9.00	59.00
XCOW	PRIMITIVE PRISTINE	BACKCOUNTRY	NICKLE CREEK	Box Canyon	5	2459.87	0.23	42.85	342.84	7.18		
XNIC XNIC	PRISTINE	BACKCOUNTRY	NICKLE CREEK	Box Canyon	5	1.58	0.13	42.85	342.84	2.00		
XSCS	PRISTINE	BACKCOUNTRY	STEVENS CANYON SOUTH	Box Canyon	5	335.06	0.13	42.85	342.84	2.00		
XSCS	PRISTINE	BACKCOUNTRY	STEVENS CANYON SOUTH	Box Canyon	5	1753.19	0.13	42.85	342.84	5.11		
XSCS	PRISTINE	BACKCOUNTRY	STEVENS CANYON SOUTH	Box Canyon	5	66.26	0.13	42.85	342.84	2.00		
XWIL	PRISTINE	BACKCOUNTRY	WILLIWAKAS CREEK	Box Canyon	5	975.28	0.13	42.85	342.84	2.84		
XCAY	PRISTINE	BACKCOUNTRY	CAYUSE PASS	Cayuse	5	2265.64	0.13	42.85	342.84	6.61		
XCAY	PRISTINE	BACKCOUNTRY	CAYUSE PASS	Cayuse	5	541.54	0.13	42.85	342.84	2.00		
XGOL	PRISTINE	BACKCOUNTRY	GOLDEN LAKES	Champion	5	1453.47	0.13	42.85	342.84	4.24		
XDEA	PRISTINE	BACKCOUNTRY	DEADWOOD LAKES	Chinook Pass	Å	905.70	0.13	89.49	715.90	2.00	6.00	3.00
XDEA	PRISTINE	BACKCOUNTRY	DEADWOOD LAKES	Chinook Pass	4	4.67	0.13	89.49	/15.90	2.00	0.00	0.00
XLCR	PRISTINE	BACKCOUNTRY	LOWER CRYSTAL MOUNTAIN	Chinook Pass	5	856.35	0.13	42.85	342.84	2.50		
XLCR	PRISTINE	BACKCOUNTRY	LOWER CRYSTAL MOUNTAIN		5	652.45	0.13	42.85	342.84	2.00		
AKAU	PRIMITIVE	BACKCOUNTRY	KAUTZ ALPINE	Comet Falls	1	2137.50	0.25	285.66	1142.65		unlimited	608.00
AKAU	PRIMITIVE	BACKCOUNTRY	KAUTZ ALPINE	Comet Falls	1	74.78	0.25	285.66	1142.65	2.00		
AKAU	PRIMITIVE	BACKCOUNTRY	KAUTZ ALPINE	Comet Falls	1	18.93	0.25	285.66	1142.65	2.00		
AKAU	PRIMITIVE	BACKCOUNTRY	KAUTZ ALPINE	Comet Fails	1	3.61	0.25	285.66	1142.65	2.00		
XUPN	PRISTINE	BACKCOUNTRY	UPPER NISQUALLY	Comet Falls	5	380.14	0.13	42.85	342.84		Unlimited	205.00
XVAN	PRIMITIVE	BACKCOUNTRY	VAN TRUMP PARK	Cornet Falls	1	191.26	0.25	285.66	1142.65	2.00		
XCOU	PRISTINE	BACKCOUNTRY	COUGAR ROCK	Cougar Rock	5	427.00	0.13	42.85	342.84	2.00		
XGVR	PRISTINE	BACKCOUNTRY	GOVERNORS RIDGE	Deer Creek	3	869.93	0.13	145.50	1164.00	2.00	3.00	0.00
XTAT	PRIMITIVE	BACKCOUNTRY	TATOOSH RANGE	Eagle Peak	3	504 97	0.25	145.50	582.00	2.00	5.00	75.00
AFRG	PRISTINE	GLACIER	FRYINGPAN GLACIER	Fryingpan	1	1297.02	0.13	285.66	2285.31	2.00		
AFRG	PRISTINE	GLACIER	FRYINGPAN GLACIER	Fryingpan	1	187.84	0.13	285.66	2285.31	2.00		
AGOA	PRISTINE	BACKCOUNTRY	GOAT ISLAND MTN	Fryingpan	1	734.03	0.13	285.66	2285.31	2.00	6.00	17.00
ALIT	PRIMITIVE	BACKCOUNTRY	LITTLE TAHOMA	Fryingpan	1	2354.26	0.25	285.66	1142.65	2.06	6.00	124.00
AMOU	PRISTINE	BACKCOUNTRY	MOUNT RUTH	Fryingpan	1	360.51	0.13	285.66	2285.31	2.00	6.00	12.00
ASAR	PRISTINE	BACKCOUNTRY	SARVENT ALPINE	Fryingpan	1	719.85	0.13	285.66	2265.31	2.00	3.00	33.00
XFRY	PRISTINE	BACKCOUNTRY	FRYINGPAN	Fryingpan	2	315.57	0.13	210.89	1687.14	2.00	3.00	30.00
XGLO	PRISTINE	BACKCOUNTRY	LOWER GOAT ISLAND MTN	Fryingpan	5	1634.04	0.13	42.85	342.84	4.77		
XLFR	PRISTINE	BACKCOUNTRY	LOWER FRYINGPAN	Fryingpan	5	614.02	0.13	42.85	342.84	2.00		
XLFR	PRISTINE	BACKCOUNTRY	LOWER FRYINGPAN	Fryingpan	5	2.75	0.13	42.85	342.84	2.00		
ACAG	PRISTINE	GLACIER	CARBON GLACIER	lpsut	1	2595.56	0.13	285.66	2285.31	2.00		
ACAR	PRIMITIVE	BACKCOUNTRY	CARBON ALPINE	lpsut	1	782.83	0.25	285.66	1142.65	2.00	9.00	149.00
ACRE	PRISTINE	BACKCOUNTRY	CRESENT LAKE	lpsut	1	904.14	0.13	285.66	2285.31	2.00	6.00	7.00
AOLD	PRISTINE	BACKCOUNTRY	OLD DESOLATE	lpsut	1	352.39	0.13	285.66	2285.31	2.00	6.00	2.00
XALK	PRISTINE	BACKCOUNTRY	ALKI CREST	lpsut	2	338.69	0.13	210.89	1687.14	2.00	6.00	4.00
XCAE	PRISTINE	BACKCOUNTRY	CARBON RIVER EAST	lpsut	5	216.40	0.13	42.85	342.84	2.00		20.00
XCAE	PRISTINE	BACKCOUNTRY	CARBON RIVER EAST	lpsul	5	93.67	0.13	42.85	342.84	2.00		
XCAN	PRISTINE	BACKCOUNTRY	NORTH CARBON RIVER	lpsut	5	1829.92	0.13	42.85	342.84	5.34		
XCAW	PRISTINE	BACKCOUNTRY	CARBON RIVER WEST	lpsut	5	1193.03	0.13	42.85	342.B4	3.48		
XCHE	PRISTINE	BACKCOUNTRY	CHENUIS LAKES	lpsut	2	149.23	0.13	210.89	1687.14	2.00	6.00	15.00
XECH	PRISTINE	BACKCOUNTRY	ECHO CLIFFS	lpsut	5	298.07	0.13	42.85	342.84	2.00		
XEYS	PRISTINE	BACKCOUNTRY	ELYSIAN FIELDS	lpsut	2	382.65	0.13	210.89	1687.14	2.00	6.00	37.00
XLOC	PRISTINE	BACKCOUNTRY	LOWER CARBON RIVER	lpsut	5	1604.82	0.13	42.85	342.84	4.68		
XLOC	PRISTINE	BACKCOUNTRY	LOWER CARBON RIVER	lpsut	5	0.52	0.13	42.85	342.84	2.00		
XLOC	PRISTINE	BACKCOUNTRY	LOWER CARBON RIVER	ipsut	5	1.29	0.13	42.85	342.84	2.00		
XLWF	PRISTINE	BACKCOUNTRY	LOWER WEST FORK	lpsut	5	2866.32	0.13	42.85	342.84	8.36		
XMIN	PRISTINE	BACKCOUNTRY	MINERAL MOUNTAIN	lpsut	3	381.28	0.13	145.50	1164.00	2.00	9.00	17.00
XNOR	PRIMITIVE	BACKCOUNTRY	NORTHERN LAKES	lpsut	4	673.96	0.25	89.49	357.95	2.00	9.00	13.00
XSEA	PRISTINE	BACKCOUNTRY	SEATTLE PARK	lpsut	2	375.64	0.13	210.89	1687.14	2.00	6.00	37.00
XTIR	PRISTINE	BACKCOUNTRY	TIRZAH PEAK	lpsut	5	2198.36	0.13	42.85	342.84	6.41		
XTYE	PRISTINE	BACKCOUNTRY	TYEE PEAK	lpsut	1	514.95	0.13	285.66	2285.31	2.00	\$0.00	5.00

11-14	Zene Class	Түре	Unit Name	Primary Trailhead	Hida		icounters/Hr iowed Under Standard	Area Covered / Hr (Acres)	Area Needed / Party Within Standard (Acres)	Number of Parties Allowed (at one time)	Overnight Use Limit (people per night)	Existing Use (camper nights per yr)
	Zone Class			•		832.90	0.13	42.85	342.84	2.43	1	
XUPC	PRISTINE	BACKCOUNTRY	UPPER CARBON RIVER	lpsut	5 2	297.66	0.13	210.89	1687.14	2.00	6.00	4.00
XVER	PRISTINE	BACKCOUNTRY	VERNAL PARK S TAHOMA/KAUTZ GLACIER	lpsut Kaulz	ء 1	631.87	0.13	285.66	2285.31	2.00	0.00	
ASTK	PRISTINE	GLACIER	S TAHOMA/KAUTZ GLACIER	Kautz	1	42.07	0.13	285.66	2285.31	2.00		
ASTK	PRISTINE	GLACIER GLACIER	S TAHOMA/KAUTZ GLACIER	Kaulz	1	367.69	0.13	285.66	2285.31	2.00		
ASTK	PRISTINE	BACKCOUNTRY	MOUNT ARARAT	Kaulz	3	331.77	0.25	145.50	582.00	2.00		
XARA	PRIMITIVE	BACKCOUNTRY	LOWER KAUTZ CREEK	Kautz	5	2513.82	0.13	42.85	342.84	7.33		
XKAU	PRISTINE	BACKCOUNTRY	PYRAMID PEAK	Kautz	3	796.60	0.25	145.50	582.00	2.00	15.00	137.00
XPYR	PRIMITIVE	BACKCOUNTRY	SATULICK MOUNTAIN	Kautz	3	437.18	0,25	145.50	582.00	2.00	,	
XSAT	PRIMITIVE	BACKCOUNTRY	UPPER KAUTZ CREEK	Kaulz	5	1168.78	0,13	42.85	342.84	3.41		
XUPK XMIR	PRISTINE	BACKCOUNTRY	MIRROR LAKES	Longmire	5	96.19	0.13	42.85	342.84	2.00		
XEAS	PRISTINE	BACKCOUNTRY	EAGLE PEAK SOUTH	Longmire/Maternity	5	1022.83	0,13	42.85	342.84	2.98		
XRAM	PRISTINE	BACKCOUNTRY	THE RAMPARTS	Longmire/Maternity	5	190.61	0.13	42.85	342.84	2.00		
XRIC	PRISTINE	BACKCOUNTRY	RICKSECKER POINT	Longmire/Maternity	5	521.27	0.13	42.85	342.84	2.00		
XICR	PRISTINE	BACKCOUNTRY	TATOOSH CREEK	Longmire/Maternity	5	2.00	0.13	42.85	342.84	2.00		
XTCR	PRISTINE	BACKCOUNTRY	TATOOSH CREEK	Longmire/Maternity	5	984.11	0.13	42.85	342.84	2.87		
AMOG	PRISTINE	GLACIER	MOWICH GLACER	Mawich	1	1695.89	0.13	285.66	2285.31	2.00		
AMOG	PRISTINE	BACKCOUNTRY	MOTHER MOUNTAIN	Mowich	1	1397.37	0.13	285.66	2285.31	2.00	6.00	32.00
APTA	PRIMITIVE	BACKCOUNTRY	PTARMIGAN RIDGE	Mowich	3	3013.21	0.25	285.66	1142.65	2.64	9.00	94.00
XELI	PRISTINE	BACKCOUNTRY	ELIZIBETH RIDGE	Mowich	5	19.53	0.13	42.85	342.84	2.00		
XELI	PRISTINE	BACKCOUNTRY	ELIZIBETH RIDGE	Mowich	5	1384,65	0.13	42.85	342.84	4.04		
XELI	PRISTINE	BACKCOUNTRY	ELIZIBETH RIDGE	Mowich	5	14,86	0.13	42.85	342.84	2.00		
XGOV	PRISTINE	BACKCOUNTRY	GOVE PEAK	Mowich	2	312.08	0.13	210.89	1687.14	2.00	6.00	0.00
XLMW	PRISTINE	BACKCOUNTRY	LOWER MOWICH RIVER	Mowich	5	893,38	0.13	42.85	342.84	2.61		
XMIS	PRISTINE	BACKCOUNTRY	MIST PARK	Mowich	2	315.99	0.13	210.89	1687.14	2.00	6.00	12.00
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	Mowich	2	123.09	0.13	210.89	1687.14	2.00		
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	Mowich	2	45.29	0.13	210.89	1687.14	2.00		
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	Mowich	2	13.40	0.13	210.89	1687.14	2.00		
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	Mowich	2	36,60	0.13	210.89	1687.14	2.00		
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	Mowich	2	1.62	0.13	210.89	1687.14	2.00		
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	Mowich	2	1.92	0,13	210.89	1687.14	2.00		
XSPN	PRIMITIVE	BACKCOUNTRY	SPRAY PARK NORTH	Mowich	1	91.24	0.25	285.66	1142.65	2.00		
XSPN	PRIMITIVE	BACKCOUNTRY	SPRAY PARK NORTH	Mowich	1	45.17	0.25	285.66	1142.65	2.00		
XSPS	PRIMITIVE	BACKCOUNTRY	SPRAY PARK SOUTH	Mowich	t	422.07	0.25	285.66	1142.65	2.00	6.00	63.00
XSUN	PRISTINE	BACKCOUNTRY	SUNSET PARK	Mowich	3	54.89	0.13	145.50	1164.00	2.00	9.00	29.00
XSUN	PRISTINE	BACKCOUNTRY	SUNSET PARK	Mowich	3	1183.62	0.13	145.50	1164.00	2.00		
XSUN	PRISTINE	BACKCOUNTRY	SUNSET PARK	Mowich	3	310.23	0.13	145.50	1164.00	2.00		
XUMP	PRISTINE	BACKCOUNTRY	UPPER MOWICH RIVER	Mowich	5	3234.18	0.13	42.85	342.84	9.43		
XVIA	PRISTINE	BACKCOUNTRY	VRIGINA PEAK	Mowich	5	1483.58	0.13	42.85	342.84	4.33		
XVIR	PRISTINE	BACKCOUNTRY	VRIGINA PEAK	Mowich	5	1.41	0.13	42.85	342.84	2.00		
XBAC	PRISTINE	BACKCOUNTRY	BACKBONE RIDGE	Ohanapecosh	5	4288.85	0.13	42.85	342.84	12.51		
XLAN	PRISTINE	BACKCOUNTRY	LAUGHINGWATER NORTH	Ohanapecesh	5	67.52	0.13	42.85	342 84	2.00		
XLAN	PRISTINE	BACKCOUNTRY	LAUGHINGWATER NORTH	Ohanapecosh	5	5758.77	0.13	42.85	342.84	16.80		
XLAN	PRISTINE	BACKCOUNTRY	LAUGHINGWATER NORTH	Ohanapecosh	5	19.28	0.13	42.85	342.84	2.00		
XLAN	PRISTINE	BACKCOUNTRY	LAUGHINGWATER NORTH	Ohanapecosh	5	0.43	0.13	42.85	342.84	2.00		
XLAS	PRISTINE	BACKCOUNTRY	LAUGHINGWATER SOUTH	Ohanapecosh	5	2933.39	0.13	42.85	342.84	8.56		
XLOC	PRISTINE	BACKCOUNTRY	LOWER COWLITZ	Ohanapecosh	5	1072.95	0.13	42.85	342.84	3.13		
XLOO	PRISTINE	BACKCOUNTRY	LOWER OHANAPECOSH	Ohanapecosh	5	5082.71	0.13	42.85	342,84	14.83		
XLOO	PRISTINE	BACKCOUNTRY	LOWER OHANAPECOSH	Ohanapecosh	5	618.00	0.13	42.85	342.84	2.00		
XOHA	PRISTINE	BACKCOUNTRY	OHANAPECOSH PARK	Ohanapecosh	2	1033.46	0.13	210.89	1687.14	2.00	9,00	39.00
XOHW	PRISTINE	BACKCOUNTRY	OHANAPECOSH WEST	Ohanapecosh	5	448.66	0.13	42.85	342.84	2.00		
ATAM	PRISTINE	BACKCOUNTRY	TAMANOS CREEK	Owyhigh	1	647.18	0.13	285.66	2285.31	2.00		
ACCH			CAMP HAZARD	Paradise							Unlimited	1120.00
ACOG	PRISTINE	GLACIER	COWLITZ GLACIER	Paradise	1	1419.57	0.13	285.66	2285.31	2.00		
ACOW	PRIMITIVE	BACKCOUNTRY	COWLITZ ALPINE	Paradise	1	1246.26	0.25	285.66	1142.65	2.00		
ACTH			THUMB ROCK	Paradise							Unlimited	199.00
ADIS	HIGH USE CLIMBING	GLACIER	DISAPPOINTMENT CLEAVER	Paradise	1	65.18	18.75	394.76	21.05	3.10	unlimited	12.00

Unit	Zone Class	TYPE	Unit Name	Primary Trailhead	Hide		icounters/Hr lowed Under Standard	Area Covered / Hr (Acres)	Area Needed / Party Within Standard (Acres)	Number of Parties Allowed (at one time)	Overnight Use Limit (people per night)	Existing Use (camper nights per yr)
AING	HIGH USE CLIMBING	GLACIER	INGRAHAM FLATS	Paradise	1	360.58	18.75	394.76	21.05	17,13	36.00	1135.00
AINT			INTERGLACIER	Paradise							6.00	148.00
AKEE	MOD. USE CLIMBING	BACKCOUNTRY	KAUTZ/FUHER ROUTE	Paradise	1	78.71	9.38	394.76	42.11	2.00		
AMUE	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR EAST	Paradise	1	88.16	0.13	285.66	2285.31	2.00		
AMUI	HIGH USE CLIMBING	GLACIER	MUIR SNOWFIELD	Paradise	1	255.27	18.75	394.76	21.05	12.12	24.00	737.00
AMUW	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR WEST	Paradise	1	125.76	0.13	285.66	2285.31	2.00		
AMUW	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR WEST	Paradise	1	53.46	0.13	285.66	2285.31	2.00		
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradise	1	526.24	0.13	285.66	2285.31	2.00	unlimited	320.00
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradiso	1	23.24	0.13	285.66	2285.31	2.00		
ANIS	PRISTINE	GLACIER	NISQUALLY GLACIER	Paradise	1	155.69	0.13	285.66	2285.31	2.00		
APBL	HIGH USE CLIMBING	BACKCOUNTRY	PEBBLE CREEK	Paradise	1	114.14	18.75	394.76	21.05	5.42		
XTCR	PRISTINE	BACKCOUNTRY	TATOOSH CREEK	Paradise	5	16.85	0.13	42.85	342.84	2.00		
ASUM	HIGH USE CLIMBING	GLACIER	SUMMIT	Paradise/Wht Riv	1	727.89	18.75	285.66	15.24	47,78	unlimited	249.00
XBUT	RESEARCH NATURAL ARE		BUTTER CREEK FINA	Pinnacle Peak	0	2548.78	0.00	na	0.00	0.00		
XMAZ	PRISTINE	BACKCOUNTRY	MAZAMA RIDGE	Reflection	3 3	278.14 216.18	0.13 0.13	145.50 145.50	1164.00 1164.00	2.00 2.00		
XMAZ XMAZ	PRISTINE	BACKCOUNTRY BACKCOUNTRY	MAZAMA RIDGE MAZAMA RIDGE	Reflection	3	216.16 58.15	0.13	145.50	1164.00	2.00		
XMAZ	PRISTINE PRISTINE	BACKCOUNTRY	MAZAMA RIDGE	Reflection Reflection	3	147.36	0.13	145.50	1164.00	2.00		
XMAZ	PRISTINE	BACKCOUNTRY	MAZAMA RIDGE	Reflection	3	17.36	0.13	145.50	1164.00	2.00		
XMAZ	PRISTINE	BACKCOUNTRY	MAZAMA RIDGE	Reflection	š	0.83	0.13	145.50	1164.00	2.00		
XMAZ	PRISTINE	BACKCOUNTRY	MAZAMA RIDGE	Reflection	3	4.68	0.13	145.50	1164.00	2.00		
XSTE	PRISTINE	BACKCOUNTRY	STEVENS RIDGE	Reflection	3	2116.23	0.13	145.50	1164.00	2.00	9.00	13.00
XTAT	PRIMITIVE	BACKCOUNTRY	TATOOSH RANGE	Reflection	э	504.97	0.25	145.50	582.00	2.00	5.00	75.00
XSHR	PRISTINE	BACKCOUNTRY	SHRINER PEAK	Shriner Peak	5	4175.54	0.13	42.85	342.84	12.18		
XSHR	PRISTINE	BACKCOUNTRY	SHRINER PEAK	Shriner Peak	5	50.50	0.13	42.85	342.84	2.00		
XTAT	PRIMITIVE	BACKCOUNTRY	TATOOSH RANGE	Snow Lake	3	667.69	0.25	145.50	582.00	2.00		
AWIN	PRISTINE	GLACIER	WINTHROP GLACIER	Sunrise	1	1907.96	0.13	285.66	2285.31	2.00		
AWLG	PRISTINE	GLACIER	WINSLOW GLACIER	Sunrise	1	24.12	0.13	285.66	2285.31	2.00		
AWLG	PRISTINE	GLACIER	WINSLOW GLACIER	Sunrise	١	215.98	0.13	265.66	2285.31	2.00		
AWLG	PRISTINE	GLACIER	WINSLOW GLACIER	Sunrise	1	32.25	0.13	285.66	2285.31	2.00		
XBMT	PRIMITIVE	BACKCOUNTRY	BURROUGHS MOUNTAIN	Sunrise	2	878.52	0.25	210.89	843.57	2.00		
XBUA	PRISTINE	BACKCOUNTRY	BURNT PARK	Sunrise	4	146.44	0.13	89.49	715.90	2.00	6.00	4.00
XELE	PRIMITIVE	BACKCOUNTRY	LAKE ELEANOR	Sunrise	5	611.34	0.25	42.85	171.42	3.57		
XELE	PRISTINE	BACKCOUNTRY	LAKE ELEANOR	Sunrise	1	2240.80	0.13	285.66	2285.31	2.00		
XFRE	PRIMITIVE	BACKCOUNTRY	MOUNT FREMONT	Sunrisa	3	484.33	0.25	145.50	582.00	2.00		
XLOS	PRISTINE	BACKCOUNTRY	LOST CREEK	Sunrise	5	2393.52	0.13	42.85	342.84	6.98		
XMYS XNEE	PRISTINE	BACKCOUNTRY BACKCOUNTRY	MYSTIC LAKE MCNEELEY PEAK	Sunrise	3 3	474.44 270.96	0.13 0.13	145.50 145.50	1164.00 1164.00	2.00 2.00		
XRIM	PRIMITIVE	BACKCOUNTRY	SUNRISE RIM	Sunrise Sunrise	3	36.53	0.13	145.50	582.00	2.00		
XRIM	PRIMITIVE	BACKCOUNTRY	SUNAISE RIM	Sunrise	3	7.19	0.25	145.50	582.00	2.00		
XSKY	PRISTINE	BACKCOUNTRY	SKYSCRAPER MOUNTAIN	Sunrise	2	168.07	0.13	210.89	1687.14	2.00	6.00	21.00
XSKY	PRISTINE	BACKCOUNTRY	SKYSCRAPER MOUNTAIN	Sunrise	2	282.84	0.13	210.89	1687.14	2.00	••••	
XSLK	PRIMITIVE	BACKCOUNTRY	SHADOW LAKE	Sunrise	1	17.05	0.25	285.66	1142.65	2.00		
XSLK	PRIMITIVE	BACKCOUNTRY	SHADOW LAKE	Sunrise	1	166.55	0.25	285.66	1142.65	2.00		
XSRD	PRIMITIVE	BACKCOUNTRY	SOURDOUGH RIDGE	Sunrise	1	121.29	0.25	285.66	1142.65	2.00		
XSRM	PRIMITIVE	BACKCOUNTRY	SUNRISE MEADOW	Sunrise	1	9.91	0.25	285.66	1142.65	2.00		
XSRM	PRIMITIVE	BACKCOUNTRY	SUNRISE MEADOW	Sunrise	1	196.01	0.25	285.66	1142.65	2.00		
XSRR	PRISTINE	BACKCOUNTRY	SUNRISE ROAD	Sunrise	5	1052 75	0.13	42.85	342.84	3.07		
XUGC	PRISTINE	BACKCOUNTRY	UPPER GRANITE CREEK	Sunrise	5	275.14	0.13	42.85	342.84		Jalimited	36.00
XUWF	PRISTINE	BACKCOUNTRY	UPPER WEST FORK	Sunrise	5	134.55	0.13	42.85	342.84	2.00		
XWFW	PRISTINE	BACKCOUNTRY	WEST FORK WHITE RIVER	Sunrisa	5	285.97	0.13	42.85	342.84	2.00		
XGRE	PRISTINE	BACKCOUNTRY	GREEN PARK	Sunrise Pt	2	833.25	0.13	210.89	1687.14	2.00	6.00	79.00
XHUC	PRISTINE	BACKCOUNTRY	HUCKLEBERRY PARK	Sunrise Pt	3	997.32	0.13	145.50	1164.00	2.00	6.00	2.00
XPAL	PRISTINE	BACKCOUNTRY	LOWER PALISADES	Sunnse Pt	3	411.93	0.13	145.50	1164.00	2.00	6.00	6.00
XSLI	PRISTINE	BACKCOUNTRY	SLIDE MOUNTAIN	Sunrise Pt	3 5	1290.32	0.13	145.50	1164.00	2.00	3.00	7.00
XSRN XSRS	PRISTINE PRISTINE	BACKCOUNTRY BACKCOUNTRY	SUNRISE RIDGE NORTH SUNRISE RIDGE SOUTH	Sunrise Pt	5	3060.43 3398.57	0.13 0.13	42.85 42.85	342.84 342.84	8.93		
Y2H2	r ruo (IINE	DACKCOUNTRY	SUNUSE RIDGE SUUTH	Sunrise Pl	5	3398.37	0.13	42.65	342.84	9.91		

Maximum Day-Use Occupancy and Overnight Use - Wilderness Management Units

Unit	Zone Class	түре	Unit Name	Primary Trailhead	Hide	Adjusted Er Usable Ail Acres	icounters/Hr lowed Under Standard	Area Covered / Hr (Acres)	Area Needed / Party Within Standard (Acres)		Overnight Use Limit (people per night)	Existing Use (camper
XWHI	PRISTINE	BACKCOUNTRY	WHITE RIVER PARK	Sunrisa Pt	3	1215.77	0,13	145.50	1164.00	2.00	(1000 100 100 100 100 100 100 100 100 10	nights per yr)
XCRY	PRISTINE	BACKCOUNTRY	CRYSTAL MOUNTAIN	Tipsoo	2	139.49	0.13	210.89	1697,14	2.00	6.00	7.00
XCRY	PHISTINE	BACKCOUNTRY	CRYSTAL MOUNTAIN	Tipsoo	2	234.11	0.13	210.89	1687.14	2.00	B.00	0.00
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5	146.06	0.13	42.85	342.84	2.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5	12.56	0.13	42.85	342.84	2.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5	29.01	0.13	42.85	342.84	2.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	5	1998.36	0.13	42.85	342.84	5.83		
-					9 5							
XDEW	PRISTINE PRISTINE	BACKCOUNTRY BACKCOUNTRY	DEWEY CREEK DEWEY CREEK	Tipsoo	5 5	1.98	0.13	42.85	342.84	2.00		
XDEW	PRISTINE	BACKCOUNTRY	DEWEY CREEK	Tipsoo	9 5	19.78	0.13 0.13	42.85 42.85	342.84	2.00		
XDEW				Tipsoo	-	19.04			342.84	2.00		
XGOS	PRISTINE	BACKCOUNTRY	GHOST LAKE	Tipsoo	6	513.61	0.13	42.85	342.84	2.00		
XGRA	PRISTINE	BACKCOUNTRY	GRAND PARK	USFS	3	395.17	0.13	145.50	1164.00	2.00	5.00	41.00
XGRA	PRIMITIVE	BACKCOUNTRY	GRAND PARK	USFS	3	692.32	0.25	145.50	582.00	2.00	4.00	41.00
XHCR	PRIMITIVE	BACKCOUNTRY	HUCKLEBERRY CREEK	USFS	6	259.44	0.25	42.85	171.42	2.00		
ACOL	PRISTINE	BACKCOUNTRY	COLONADES ALPINE	Westside	1	625.85	0.13	285.66	2285.31	2.00	6.00	47.00
APTG	PRISTINE	GLACIER	PUYALLUP/TAHOMA GLACIERS		1	3004.10	0.13	285.66	2285.31	2.00		
ASTK	PRÍMITIVE	BACKCOUNTRY	S TAHOMA/KAUTZ GLACIER	Westside	1	5.92	0.25	285.66	1142.65	2.00		
ATOK	PRIMITIVE	BACKCOUNTRY	TOKALOO ALPINE	Westside	1	1254.95	0.25	285.66	1142.65	2.00	9.00	405.00
XEME	PRISTINE	BACKCOUNTRY	EMERALD AIDGE	Westside	5	842.70	0.13	42.85	342.84	2.46		
XEME	PRISTINE	BACKCOUNTRY	EMERALD RIDGE	Westside	5	26.36	0.13	42.85	342.84	2.00		
XKÉN	PRISTINE	BACKCOUNTRY	KENWORTHY LAKES	Westside	5	894.06	0.13	42.85	342.84	2.61		
XKLA	PRISTINE	BACKCOUNTRY	KLAPATCHE RIDGE	Westside	5	424.38	0.13	42.85	342.84	2.00		
XSTA	PRISTINE	BACKCOUNTRY	ST ANDREWS	Westside	5	364.11	0.13	42.85	342.84	2.00		
XTAH	PRISTINE	BACKCOUNTRY	TAHOMA CREEK	Westside	5	3020.65	0.13	42.85	342.84	8.81		
XUPP	PRISTINE	BACKCOUNTRY	UPPER PUYALLUP	Westside	5	4.94	0.13	42.85	342.84	2.00		
XUWR	PRISTINE	BACKCOUNTRY	UPPER WESTSIDE ROAD	Westside	5	1485.39	0.13	42.85	342.84	4.33		
XWOW	PRISTINE	BACKCOUNTRY	MOUNT WOW	Westside	5	2061.63	0.13	42.85	342.84	6.01		
AEMG	PRISTINE	GLACIER	EMMONS GLACIER	White River	1	2290.63	0.13	285.66	2285.31	2.00		279.00
AEMR	MOD. USE CLIMBING	GLACIER	EMMONS ROUTE	White River	t	346.51	9.38	285.66	30.47	11.37		500.00
AGLA	PRIMITIVE	BACKCOUNTRY	GLACIER BASIN	White River	1	357.02	0.25	285.66	1142.65	2.00		
XWIT	PRIMITIVE	BACKCOUNTRY	UPPER WHITE RIVER	White River	\$	37.65	0.25	285.66	1142.65	2.00		
XWIT	PRIMITIVE	BACKCOUNTRY	UPPER WHITE RIVER	White River	1	687.05	0.25	285.66	1142.65	2.00		
NOWILI	HIGH USE TRAIL	TRAIL	TRAIL ZONE		0	5.95	25.00	na	0.00	0.00		
TOTAL						155647.54				635.55	353.00	7,442.00

Unit	Zone Class	Туре	Unit Name	Primary Trailbead	Hide	Adjusted Encounters/H Usable Allowed Unde Acres Standard	r Area Covered /	Area Needed / Party Within Standard (Acres)	Number of Parties Allowed (at one time)	Overnight Use Limit (people per night)	Existing Use (camper nights per yr)
BCIB	SEMI-PRIMITIVE	CAMP	INDIAN BAR CAMP	Box Canvon	0	7,75	na	na		14.00	484.00
BCMC	SEMI-PRIMITIVE	CAMP	MAPLE CREEK CAMP	Вох Сапуол	0	7.74	na	na		17.00	441.00
BONC	SEMI-PRIMITIVE	CAMP	NICKLE CREEK CAMP	Box Canyon	0	7,74	na	na		14.00	425.00
BCLC	SEMI-PRIMITIVE	CAMP	LOWER CRYSTAL CAMP	Chinook Pass	0	7.74	na	กล		6.00	148.00
BCUC	SEMI-PRIMITIVE	CAMP	UPPER CRYSTAL CAMP	Chinook Pass	0	7.75	na	na		6.00	205.00
BCDR	SEMI-PRIMITIVE	CAMP	DEER CREEK	Deer Creek	0	7.74	na	na		6.00	164.00
BCKP	SEMI-PRIMITIVE	CAMP	KLAPATCHE PARK CAMP	Dry Creek	0	7.73	na	na		12.00	358.00
BCLG	SEMI-PRIMITIVE	CAMP	LAKE GEORGE CAMP	Dry Creek	0	7.71	na	na		20.00	436.00
BCNP	SEMI-PRIMITIVE	CAMP	NORTH PUYALLUP CAMP	Dry Creek	0	7.70	na	na		14.00	265.00
BCSP	SEMI-PRIMITIVE	CAMP	S PUYALLUP CAMP	Dry Creek	0	7.74	na	na		17.00	434.00
BCSC	TRANSITION	CAMP	SUMMERLAND CAMP	Fryingpan	0	7.74	na	na		20.00	791.00
BCCR	SEMI-PRIMITIVE	CAMP	CARBON RIVER CAMP	ipsut Creak	0	7.74	na	na		4.00	380.00
BCDC	SEMI-PRIMITIVE	CAMP	DICK CREEK CAMP	Ipsut Creek	0	7.73	na	na		6.00	175.00
BCML	SEMI-PRIMITIVE	CAMP	MYSTIC LAKE CAMP	lpsut Creek	0	7.73	na	na		31.00	792.00
BCRC	SEMI-PRIMITIVE	CAMP	REDSTONE CAMP	lpsul Creek	0	7.61	na	na		6.00	111.00
BCYC	SEMI-PRIMITIVE	CAMP	YELLOWSTONE CLIFF CAMP	lpsut Creek	0	0.05	na	na		6.00	103.00
BCTL	SEMI-PRIMITIVE	CAMP	THREE LAKES CAMP	Laughing Water Creek	0	7.71	na	na		11.00	62.00
BCDD	SEMI-PRIMITIVE	CAMP	DEVILS DREAM CAMP	Longmire/Maternity	0	7.74	na	na		26.00	816.00
BCGL	SEMI-PRIMITIVE	CAMP	GOLDEN LAKES CAMP	Longmire/Maternity	o	7.74	na	na		20.00	546.00
BCPC	SEMI-PRIMITIVE	CAMP	PYRAMID CREEK CAMP	Longmire/Maternity	0	7.75	กล	na		6.00	279.00
BCCV	SEMI-PRIMITIVE	CAMP	CATABACT VALLEY CAMP	Mowich Lake	Ū	7.74	na	na		10.00	337.00
BCER	TRANSITION	CAMP	EAGLES ROOST CAMP	Mowich Lake	0	7.70	រាង	па		21.00	486.00
8CMR	SEMI-PRIMITIVE	CAMP	MOWICH RIVER CAMP	Mowich Lake	0	7.74	na	กล		17.00	405.00
BCOC	SEMI-PRIMITIVE	CAMP	OLALLIE CREEK CAMP	Ollalie Creek	Û	7.75	Пâ	na		\$1.00	152.00
BCIC	SEMI-PRIMITIVE	CAMP	TAMANOS CREEK CAMP	Owyhigh	0	7.74	na	na		17.00	171.00
BCCM		CAMP	CAMP MUIR	Paradise				na		110.00	6848.00
BCPR	SEMI-PRIMITIVE	CAMP	PARADISE RIVER CAMP	Rellection Lake	0	7.73	na	na		14.00	441.00
BCSR	SEMI-PRIMITIVE	CAMP	SHRINER PEAK CAMP	Shriner Peak	0	7.75	na	na		6.00	87.00
BCSL	TRANSITION	CAMP	SNOW LAKE CAMP	Snow Lake	0	7.75	na	na		6.00	332.00
BCBP	SEMI-PRIMITIVE	CAMP	BERKELEY PARK CAMP	Sunrise	0	7.75	กล	na		9.00	400.00
8CFC	SEMI-PRIMITIVE	CAMP	FIRE CREEK CAMP	Sunrise	Ð	7.69	nə	na		9.00	109.00
BCGC	SEMI-PRIMITIVE	CAMP	GRANITE CREEK CAMP	Sunrise	0	7.75	na	na		11.00	261.00
SCLE	SEMI-PRIMITIVE	CAMP	LAKE ELENOR CAMP	Sunrise	0	7.74	na	na		11.00	124.00
BCSW	TRANSITION	CAMP	SUNRISE CAMP	Sunrise	0	7.76	na	na		64.00	919.00
BCDL	SEMI-PRIMITIVE	CAMP	DICK LAKE CAMP	Sunrise Pt	0	7.64	na	ña		3.00	51.00
BCUP	SEMI-PRIMITIVE	CAMP	UPPER PALISADES CAMP	Sunnise Pt	ø	7.73	rta	na		6.00	170.00
BCCS			CAMP SCHURMAN	White River				na		48.00	2181.00
BCGB	TRANSITION	CAMP	GLACIER BASIN CAMP	White River	0	7.76	na	na		20.00	1266.00

Bits Process Mark Control Mark Control<	Unit XALK	Zone Class PRISTINE	Type BACKCOUNTRY	Unit Name ALKI CREST	Primary Traithead OLDZONE XALX	ACRES 589,780	Adjusted Unuasable Hide Usable Acres 250.500	AREA 2381469.750	PERIMETI 12641.4
XAMI PRAINTYC BACCOUNTYT DURBOUTS MONTARINE XMA 133957 54.01 67.12 XOM PRSTNE BACCOUNTYT CARON NATINE XAM 17.03 66.010 Metal XOM PRSTNE BACCOUNTYT CARON NATINE XAM 17.03 84.02 Metal XOM PRSTNE BACCOUNTYT CARON NATINE XAM 17.03 84.02 Metal XAM PRSTNE BACCOUNTYT CARON NATINE XAM 17.03 84.02 Metal XAM 17.03 </td <td></td> <td></td> <td></td> <td></td> <td>XPAC</td> <td></td> <td>788.342</td> <td>20510016.000</td> <td></td>					XPAC		788.342	20510016.000	
AAAR PRINTING BACCOUNTRY CARENT PRIST AAAR 1735-811 B5-810 68430 XCM PRISING BACCOUNTRY CARENT PRIST XCAR 9001 1000 4843 XCM PRISING BACCOUNTRY CARENT REVER VEST XCAR 92031 17001-05 XCM PRISING BACCOUNTRY CARENT REVER VEST XCAR 92031 17001-05 XCM PRISING BACCOUNTRY CARENT REVER VEST XCAR 92031 17001-05 XCM PRISING BACCOUNTRY CARENT REVER XCM 17001-05 17001-05 XCM PRISING BACCOUNTRY CARENT REVER XCM 110205 111020 111320 XCM PRISING BACCOUNTRY CARENT REVER XCM 110206 111020 111020 XCM PRISING BACCOUNTRY CARENT REVER XCM 110206 111020 111020 XCM PRISING BACCOUNTRY CARENT REVER XCM 110207 11	XBUR	PRISTINE			XBUR	152,932	6.463	31227.063	
XXXAE PRINE BACCOUNTRY CAREON NUME EAST XXAA 9.27.15 95.80.44 (102766) XXAX PRETNE BACCOUNTRY CAREON NUME EAST XXAA 9.89.11 92.95.5 PRENN XXAV PRETNE BACCOUNTRY CANUER FASS XYAA 8.84.44 9.89.11 92.95.5 PRENN XXAV PRETNE BACCOUNTRY CANUER FASS XYAA 8.84.44 9.89.11 92.99.11			BACKCOUNTRY					617521.125	
XDAE PREINE BACCOMINITY CARENT RELATION XDAM 9.845 0.000 Besta XDAV PREINE BACCOMINITY CAVISE PASS XPAC 259.11 19.000 19.900 XDAV PREINE BACCOMINITY CAVISE PASS XPAC 452.85 0.901 19.8517 39.802 XDAV PREINE BACCOMINITY CAVISE PASS XPAC 452.85 0.901 19.8517 39.802 XDOV PREINE BACCOMINITY COURT PARTINE BACCOMINITY COURT PARTI								5814392.000	
XXXM PREINE BACCOUNTY CARENT WEST XXA S202011 MART B4422 PREINE XXXV PREINE BACCOUNTY CHEMIS MARK XXXVE PREINE BACCOUNTY CHEMIS MARK PREINE BACCOUNTY CHEMIS MARK XXXVE FREINE BACCOUNTY CHEMIS MARK REINE BACCOUNTY CHEMIS MARK REINE BACCOUNTY FREINE BACCOUNTY CHEMIS MARK REINE BACCOUNTY FREINE BACCOUNTY CHEMIS MARK REINE BACCOUNTY FREINE BACCOUNTY CHEMIS MARK FREINE BACCOUNTY FREINE BACCOUNTY CHEMIS MARK FREINE BACCOUNTY FREINE BACCOU			BACKCOUNTRY					10292766.000	
MAX* PRESTING BAACCOUNTY CAVUE FRASS JPAO PROFESS								6463.906	
XACUP PHETHE BACKCOUNTY CAVIE FPASS XPAC 50.42 118156.0 XOCE PRETRE BACKCOUNTY COUNT 2, MPRE XPAC 10.55 10.27 37282.4 ACCUP PRETRE BACKCOUNTY COUNT 2, MPRE XPAC 10.55 10.27 3728.24 ACCUP PRETRE BACKCOUNTY COUNT 2, MPRE XACUP 10.27 3728.24 ACCUP PRETRE BACKCOUNTY COUNT 2, MPRE XACUP 10.27 30.28 10.28			BACKCOUNTRY						
XDCE PRETINE BACKCOUNTRY CHANGK XASS XCH 10 255 11 276 312625 ACCU PRETINE BACKCOUNTRY COMARDS ALMER ACCU 17 110 74 817 300000 ACCU PRETINE BACKCOUNTRY COMARDS ALMER ACCU 161 210 37 86 XCOV PREMITVE BACKCOUNTRY COMULT 2 ARK XCOV 161 210 37 86 XCOV PREMITVE BACKCOUNTRY COMULT 2 ARK XCOV 161 210 37 86 XCOV PREMITVE BACKCOUNTRY COMULT 2 ARK XCOV 161 210 37 86 XCOV PRESTNE BACKCOUNTRY CHS151 MACMINIAN XCOV 38 90 26 32 82 66 46 XCOV PRESTNE BACKCOUNTRY CHS151 MACMINIAN XCOV 38 90 34 38 76 76 76 76 XCOV PRESTNE BACKCOUNTRY CHS161 MACMINIAN XCOV 78 96 78 96 78 96 76 XCOV PRESTNE BACKCOUNTRY CHS10 MACMINIAN XCOV <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
ACCL FIRSTING BACKCOUNTRY COUGNATION ACCL 1977-101 79-577 330-580.5 XCCL PIRITING BACKCOUNTRY COUGNATION XCCL 79-23 23.14 331-20.5 XCCU PIRITING BACKCOUNTRY COWILT PARK XCCU 79-23 37-23.6 1120061.0 XCCU PIRITING BACKCOUNTRY CRESTLUMET ACCU 77-23 37-23.6 1120061.0 XCCU PIRITING BACKCOUNTRY CRESTLUMET ACCU 77-23 37-23.6 1210061.0 XCCU PIRITINE BACKCOUNTRY CRESTLUMET ACCU 120.6 55-56.6 XCCU 77-56.7 XCUU 77-56.7			BACKCOUNTRY						
XCCU PRETHE BACKCUNITY COURT APRIA APRIC APPRIC									
ACOP PIANTIVE BACCOUNTRY COVINT 12 ALPARE ACOP 163.84.0 307.715 193251.0 ACOM PIANTIVE BACCOUNTRY COVINT 72 AVAR COVINT 72 AVAR						666 720		378283.438	
XCOV PINITIVE BACCOUNTRY COVID (2 PARK XCOV (E03 544 418 325 121 0021 1 XCOV PINITIVE BACCOUNTRY CAVE (2 PARK XCOV (E02 34) 312 0021 1 XCOV PINITIVE BACCOUNTRY CAVE (2 PARK XCOV (E02 34) (E02 34) XCOV PINITIVE BACCOUNTRY CAVE (2 PARK) XCOV (E02 34) (E02 34) XCOV PINITIVE BACCOUNTRY CAVE (2 PARK) XCOV (E02 34) (COWLITZ ALPINE		1554,844	307.776	8192941.000	
XCOW PINITIVE BACKCONFTR COW/LT 2 AVX XCOW T172 J193 S122.05 T210051 ACM PINITIVE BACKCONFTR CORESTIT LAW XCOW T162 J19 S06.10 S12.05								31198.516	
XCAP PINSTINE BAACCOUNTY CMTXAL MOUNTAIN XCAP 708.498 690.116 CP66623 XCAP PINSTINE BLACCOUNTY CMTXAL MOUNTAIN XCAP 151.64 154.64 154.64 XCAP PINSTINE BLACCOUNTY CAMONOD LAKES XXDE 44.64 0.00 427.243.00 XCEW PINSTINE BLACCOUNTY DEWY CREEK XPAC 12.158 35.45 70626.00 56.83.77 XDEW PINSTINE BLACCOUNTY DEWY CREEK XPAC 12.96 37.95.10 66.000 66.83.77 XDEW PINSTINE BLACCOUNTY DEWY CREEK XPAC 1.98 0.000 26.45.25 16.1 16.45.25 77.62.00 <t< td=""><td></td><td></td><td>BACKCOUNTRY</td><td></td><td>xcow</td><td></td><td>372.206</td><td>12106051.000</td><td></td></t<>			BACKCOUNTRY		xcow		372.206	12106051.000	
XGRY PHISTNE BACKCOUNTRY CMITTAL MOUNTAIN XGRY 332-892 123-592 550550 XGEA PHISTNE BACKCOUNTRY DEVEY OREK XDA 1144-572 474-70 322-892 XGEA PHISTNE BACKCOUNTRY DEVEY OREK XDA 1144-572 474-70 322-892 XDEW PHISTNE BACKCOUNTRY DEVEY OREK XDA 125-57 6.000 77134517. XDEW PHISTNE BACKCOUNTRY DEVEY OREK XPAC 20-80 1.7134517. XDEW PHISTNE BACKCOUNTRY DEVEY OREK XPAC 20-80 1.114 1445502 XDEW PHISTNE BACKCOUNTRY DEVEY OREK XPAC 20-80 1.114 1445502 XDEW PHISTNE BACKCOUNTRY DEVEY OREK XPAC 20-80 1.114 1445502 XDEW PHISTNE BACKCOUNTRY DEVEY OREK XPAC 20-80 1.0003 120-80 XDEW PHISTNE BACKCOUNTRY DEVEY			BACKCOUNTRY		ACRE			2190507.000	
XDEA PHISTINE BAACKOUNTRY DEAMWOOD LAKES XDEA 146.437 497.471 9202123 XDEW PHISTINE BLACCOUNTRY DEAWWOOD LAKES XDEA 4.40 6.005 PE72833 XDEW PHISTINE BLACCOUNTRY DEAWYOOD LAKES XDEA 10.50 PE72833 XDEW PHISTINE BLACCOUNTRY DEWY CREEK XPAC 230.00 77.225.00 XDEW PHISTINE BLACCOUNTRY DEWY CREEK XPAC 240.08 11.41 PE55.00 XDEW PHISTINE BLACCOUNTRY DEWY CREEK XPAC 240.70 51.36 BE57.00 XDEW PHISTINE BLACCOUNTRY DEWY CREEK XPAC 24.17 51.36 BE57.00 BE52.00 BE52.00 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>676580.250</td><td></td></td<>								676580.250	
XDEA PNISTNE BACKCOUNTY DEAMOND LAKES XDEA 4.44 0.000 26228203 XDEW PNISTNE BACKCOUNTY DEVEY CREEK XPAC 12.94 3.453 CPEERA XPAC 12.94 3.453 CPEERA XPAC 12.94 0.050 CPEERA XPAC 12.94 0.050 CPEERA XPAC 12.94 0.050 CPEERA XPAC 1.94 CPEERA XPAC 1.94 0.050 CPEERA XPAC 1.94 0.050 CPEERA XPAC 1.94 0.050 CPEERA XPAC 1.94 CPEERA XPAC XPAC XPAC						358.098		5560586.000	
XDEW PHSTNE BAACCOUNTRY DEWY CREEK MPAC 12,357 6000 65657.0 XDEW PMSTNE BAACCOUNTRY DEWY CREEK MPAC 20,960 723.30 777203.0 XDEW PMSTNE BACCOUNTRY DEWY CREEK MPAC 20,960 723.30 777203.0 XDEW PMSTNE BACCOUNTRY DEWY CREEK MPAC 20,863 1,114 144562.0 XDEW PMSTNE BACCOUNTRY DEWY CREEK MPAC 20,475 1,523 15770.5 XEL PMSTNE BACCOUNTRY EL/20FT HADOR XADA 1169.25 100.00 1300.0 XEL PMSTNE BACCOUNTRY EL/20FT HADOR XDAA 14.860 0.000 1300.0 XEL PMSTNE BACCOUNTRY EL/20FT HADOR XDAA 15.265 176.079 72328.0 110827 XEL PMSTNE BACCOUNTRY EL/20FT HADOR XDAA 15.265 157.382 111828.0 XEL PMSTNE									
XDEW PHISTINE BACKCOUNTRY DEWY CREEK XPAC 12.567 0.000 SESS77 XDEW PRISTINE BACKCOUNTRY DEWY CREEK XPAC 22.967 0.000 22.0444.2 XDEW PRISTINE BACKCOUNTRY DEWY CREEK XPAC 22.967 0.000 22.0444.2 XDEW PRISTINE BACKCOUNTRY DEWY CREEK XPAC 22.075 5.132 35.765.5 XDEW PRISTINE BACKCOUNTRY DEWY CREEK XPAC 22.077.6 5.32.0 35.766.5 XELL PRISTINE BACKCOUNTRY ELAVER SOLTH XXAR 165.739 133.66 1882.4 XELL PRISTINE BACKCOUNTRY ELZ/DETH PLOCE XARA 165.266 776.79 27.730 772.93 XELL PRISTINE BACKCOUNTRY ELZ/DETH PLOCE XARA 165.266 776.75 27.33 978.66 XELL PRISTINE BACKCOUNTRY ELZ/DETH PLOCE XARA 165.71 776.723 32.94	XDEA								
XDEW PHISTINE BACCOUNTITY DEWY CREEK XPAC 29.017 0.000 77.358/17 XDEW PASTINE BACCOUNTITY DEWY CREEK XPAC 1.98 0.001 226442.0 XDEW PASTINE BACCOUNTITY DEWY CREEK XPAC 1.98 0.001 226442.0 XDEW PASTINE BACCOUNTITY DEWY CREEK XPAC 1.98 0.001 226442.0 XDEW PASTINE BACCOUNTITY DEWY CREEK XPAC 1.98 0.001 22642.0 1.93.06 1.98.2 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
XDEW PHISTINE BACCCOUNTRY DEWEY CREEK XPAC YPAC YPAC <thypac< td=""><td></td><td></td><td>BACKCOUNTRY</td><td></td><td></td><td></td><td></td><td></td><td></td></thypac<>			BACKCOUNTRY						
XDEW PRISTINE BACKCOUNTRY DEWEY CREEK XPAC 20.895 0.000 2886642 XDEW PRISTINE BACKCOUNTRY DEWEY CREEK XPAC 20.890 1.114 1465605 XDEW PRISTINE BACKCOUNTRY DEWEY CREEK XPAC 20.873 1.513 56.776.75 XELL PRISTINE BACKCOUNTRY LUZRETH RIDGE XCAR 156.276 720.778 1.513.4 XELL PRISTINE BACKCOUNTRY LUZRETH RIDGE XCAR 156.276 720.329.2 XELL PRISTINE BACKCOUNTRY LUZRETH RIDGE XCAR 156.366 10.000 11716.8 XELV PRISTINE BACKCOUNTRY EURRENA XCAR 156.376 11776.8 XELV PRISTINE BACKCOUNTRY EURRENA XCAR 156.7 64.557 XEGX PRISTINE BACKCOUNTRY EURRENA XCOS 58.450 22.733 PRISTINE XEGX PRISTINE BACKCOUNTRY GACKOUNTRY GACKOUNTRY<			BACKCOUNTRY					/130017.500 5700003 000	
XDEW PRISTINE BACKCOUNTRY DEWEY CREEK XPAC 24.175 5.136 114 1445605 XDEW PRISTINE BACKCOUNTRY DEWEY CREEK XPAC 24.175 5.136 15573 133.508 15824 XELL PRISTINE BACKCOUNTRY LEUBET H RDGE XCAR 156.56 12.000 159.56 XELL PRISTINE BACKCOUNTRY LEUBET H RDGE XCAR 14.66 0.000 50701.6 XELL PRISTINE BACKCOUNTRY LEUBETH RDGE XCAR 14.66 0.000 50701.6 XEND PRISTINE BACKCOUNTRY LEUBETH RDGE XCAR 14.66.0 0.000 50701.6 XEND PRISTINE BACKCOUNTRY LEUSEN XCAR 14.66.0 0.000 50701.6 XEND PRISTINE BACKCOUNTRY LEUSEN XCAR 14.64.0 0.000 50.66.6 27.73 17.8 60.8 60.00 70.000 70.8 60.00 27.73 97.8 60.00 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
XDEW PRISTINE BACKCOUNTRY COLVEY CREEK XPAC 24.175 5.128 55.708 XEGA PRISTINE BACKCOUNTRY ECHO CUFFS XCAR 105.827 20.778 313.608 XELL PRISTINE BACKCOUNTRY LUBERT HRIDE XCAR 10.852 0.000 31203 XELL PRISTINE BACKCOUNTRY LUBERT HRIDE XCAR 11.854 0.000 50701 XELL PRISTINE BACKCOUNTRY LUBERT HRIDE XCAR 11.864 0.000 6013.6 XEWE PRISTINE BACKCOUNTRY LWERN AND FREDS XFYS 522.750 10.749.2 1128842.0			BACKCOUNTRY						
KAS PRISTINE BACKCOUNTRY CAOLEF PEAK SOUTH XNNS 1158/29 133.508 138.508 XECH PRISTINE BACKCOUNTRY ELUBERT RIDGE XCAR 16.56 0.000 130.20 XELL PRISTINE BACKCOUNTRY ELUBERT RIDGE XCAR 14.66 0.000 150.701 XELL PRISTINE BACKCOUNTRY LUTSIN FILEDS XEV 57.7.952 157.7.952 157.6.952 117.869 XENE PRISTINE BACKCOUNTRY MERRIJO RIGGE XNIS 141.867 75.7.952 117.869 XEME PRISTINE BACKCOUNTRY MERRIJO RIGGE XNIS 26.801 0.000 601.48 XGM PRISTINE BACKCOUNTRY MERRIJO RIGGE XNIS 26.851 30.376 30.3778.2 XGM PRISTINE BACKCOUNTRY GALARESAN XCLA 486.961 1.411 91.1557 XGM PRISTINE BACKCOUNTRY GALARESAN XCLA 748.961 31.307.6 30.3778.2 30.778.2									
AECH PRISTINE BACKCOUNTY EL/JETH RIDGE XCAR 956275 207.718 31100 XELL PRISTINE BACKCOUNTY EL/JETH RIDGE XCAR 156.156 176.079 220323 XELL PRISTINE BACKCOUNTY EL/JETH RIDGE XCAR 156.156 176.079 220324 XELL PRISTINE BACKCOUNTY EL/JETH RIDGE XCAR 156.156 176.079 220324 XEME PRISTINE BACKCOUNTY EL/JER/DAL 11588420 0000 00133 XEME PRISTINE BACKCOUNTY EL/JER/DAL XNIS 268.56 22.733 PRISTINE XCOS FRISTINE BACKCOUNTRY GEL/JER/JER/JER/JER/JER/JER/JER/JER/JER/JER								18852.453	
KELL PRISTINE BACKCOUNTRY ELIZIBETH RIDGE XCAR 19:556 76:00 31:005 XELL PRISTINE BACKCOUNTRY ELIZIBETH RIDGE XCAR 16:156 176:679 73:33:32 XELL PRISTINE BACKCOUNTRY ELIZIBETH RIDGE XCAR 15:615 13:6749 1117183 XENS PRISTINE BACKCOUNTRY EVENANTRE XCAR 15:1571 26:651 BASKS XKRY PRISTINE BACKCOUNTRY EVENANDA XFRY 52:371 26:651 BASKS XKRY PRISTINE BACKCOUNTRY EVENANDA XFRY 52:375 26:651 BASKS XKRY PRISTINE BACKCOUNTRY GRUB RISIN AGL 45:679 73:076 30:078 XKRY PRISTINE BACKCOUNTRY GRUB RISIN AGL 45:679 73:076 30:378:6 XKRY PRISTINE BACKCOUNTRY GRUB RISINE XGRA 78:375 26:373 30:378:6 XKRA PRISTINE <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>207.718</td><td>31180.453</td><td></td></t<>							207.718	31180.453	
XELL PRISTINE BACKCOUNTFY ELIZEETH FIDGE XCAR 145, 150 178,079 223522 XELL PRISTINE BACKCOUNTFY ELIZEETH FIDGE XCAR 146,0 0.000 50701.8 XEVS PRISTINE BACKCOUNTFY ELIZEETH FIDGE XCAR 146,40 153,450 1158422.0 XEWS PRISTINE BACKCOUNTFY EVENDATION XINS 1414,421 554,450 163,423 XKOS PRISTINE BACKCOUNTFY EVENDATION XAGOS 558,450 223,33 97316 AGGA PRISTINE BACKCOUNTFY GOLDEN LAKES XINS 1414,471 31056 XGOS PRISTINE BACKCOUNTFY GOLDEN LAKES XINS 148,23615 951,433 302782.2 XGOV PRISTINE BACKCOUNTFY GOLDEN LAKES XINS 148,23615 951,433 30278.2 XGOR PRISTINE BACKCOUNTFY GOLDEN LAKES XINS 148,429 303,076.2 277.90 303,076.2 272.423.3 <								31206.516	
XFYS PRISTINE BACKCOUNTRY ELVSIAN FIELDS XFX 522 750 139 749 1117883 XEME PRISTINE BACKCOUNTRY EMERIAD RIDGE XINS 141 8421 574 362 11388420 XERK PRISTINE BACKCOUNTRY EMERIAD RIDGE XINS 141 84421 574 362 36313 XERK PRISTINE BACKCOUNTRY GLACIER SASIN XINS 441 41 574 362 307925 XGOL PRISTINE BACKCOUNTRY GLACIER SASIN XINS 216 426 31552 30796 307965 XGOL PRISTINE BACKCOUNTRY GOLEN LAKES XINS 216 426 315 597 4567285 XGOL PRISTINE BACKCOUNTRY GOVERAGR RIDGE XIGN 326 46 315 597 4567285 XGUR PRISTINE BACKCOUNTRY GOVERAGR RIDGE XIGN 312 66 61433 316238 XGUR PRISTINE BACKCOUNTRY GRADA DARK XIGN 726 493 312 67 6662378 26124923			BACKCOUNTRY	ELIZIBETH RIDGE			176.079	733238.250	
KME PRISTINE BACKCOUNTRY EMERALD RIDGE XNIS 1418.421 574.362 112884220 KEME PRISTINE BACKCOUNTRY FRINDE BACKCOUNTRY FRINDE BACKCOUNTRY FRINDE BACKCOUNTRY FRINDE BACKCOUNTRY FRINDE BACKCOUNTRY CAUCIER BASIN AGLA 456.451 (27.33) PRISTA AGLA PRISTINE BACKCOUNTRY CAUCIER BASIN AGLA 456.471 (10.141) 31163.5 XGOV PRISTINE BACKCOUNTRY COUEPLAKES XGOV 628.466 315.597 4570.763 30779.6 XGOV PRISTINE BACKCOUNTRY GOVEPARK XGRA 398.333 63.3666 224.423.7 3162.3 XGRA PRISTINE BACKCOUNTRY GOVEPARK XGRA 398.333 63.3666 226.760 630.030.3 XGRA PRISTINE BACKCOUNTRY GRAND PARK XGRA 132.17 7388.2 127.240.9 XGRA PRISTINE BACKCOUNTRY GRAND PARK XGRA <t< td=""><td></td><td></td><td>BACKCOUNTRY</td><td></td><td></td><td></td><td></td><td>50701.875</td><td></td></t<>			BACKCOUNTRY					50701.875	
KENK PRISTINE BACKCOUNTRY FERRALD RIDGE XINS 22.960 0.000 6013 KFNY FNISTINE BACKCOUNTRY CHNIGPAN XFRY 556,751 266,551 86386.5 KGOS PRISTINE BACKCOUNTRY CHARLER XGOS 558,450 22,733 97616.6 AGAA PRISTINE BACKCOUNTRY GOALER BASIN AGLA 466,691 101,411 31585.8 XGOA PRISTINE BACKCOUNTRY GOALER LARES XNIS 218,021 30761.5 30761.5 30761.5 30761.5 30771.6			BACKCOUNTRY					117168.922	
FRY PRISTINE BACKCOUNTRY FRVINGPAN YFY 562/51 266/51 463/64 AGLA PRISTINE BACKCOUNTRY GLACIER BASIN AGLA 456/69 101.411 311658 AGLA PRISTINE BACKCOUNTRY GLACIER BASIN AGGA 475.178 794.628 303782. KOOL PRISTINE BACKCOUNTRY GOLDEN LAKES XIIIS 2168.326 733.076 3037942. XOOL PRISTINE BACKCOUNTRY GOVE PARK XGOV 823.465 55.87 467.7185. XORA PRISTINE BACKCOUNTRY GOVE PARK XGAR 784.497 3.12 783.866 204.229.3 XORA PRISTINE BACKCOUNTRY GOMO PARK XGAR 784.497 3.12 783.865 2210900 63.865 XORA PRISTINE BACKCOUNTRY GOMO PARK XGAR 754.497 3.12 78.867 3.12 78.867 3.12 78.867 3.12 77.73 3.863.997 148.982 2110900								11268422.000	
KOGS PRIMITIVE BACKCOUNTRY GHOST LAKE KOGS S38.450 22.733 PPTER AGGA PRIMITIVE BACKCOUNTRY GACIER BASIN AGGA 4456.691 101.411 31165.8 AGGA PRISTINE BACKCOUNTRY GOAI ISLAND MIN AGGA 1476.178 730.076 300791.6 XGOV PRISTINE BACKCOUNTRY GOVE PARK XGOV 628.464 316.597 4670790.6 XGOV PRISTINE BACKCOUNTRY GOVE PARK XGOV 628.464 316.597 4670740.6 XGOV PRISTINE BACKCOUNTRY GOVE PARK XGRA 326.477 630.490.0 XGRA PRISTINE BACKCOUNTRY HOCKLEBERRY CREEK XRDA 324.675 221.000.0 XHCR PRISTINE BACKCOUNTRY KAUZ ALPINE XAUZ ALPINE XAUZ ALPINE XAUZ ALPINE 4524.675 222.565 2109040.0 XHCR PRINTIVE BACKCOUNTRY KAUZ ALPINE XAUZ ALPINE XAUZ ALPINE XAUZ ALPINE XAUZ ALPINE		PRISTINE						8013.641	
AGLA PRIMITIVE BACKCOUNTY GLACIER BASIN AGLA 456,691 101.411 311658 XGOL PRISTINE BACKCOUNTY GOLDEN LAKES XINIS 2198,326 733076 3037942 XGOL PRISTINE BACKCOUNTY GOLDEN LAKES XINIS 2198,326 733076 3037942 XGAR PRISTINE BACKCOUNTY GOLDEN LAKES XINIS 2198,326 556 2042427.3 XGAR PRISTINE BACKCOUNTY GOVERNORS RIDGE XINIP 328,330 63.966 2042427.3 XGAR PRINTIVE BACKCOUNTY GRAND PARK XIRIR 736,477 31.121 73882 XGAR PRINTIVE BACKCOUNTY KAURA 736,476 265.709 63186.0 XHUC PRINTIVE BACKCOUNTY KAUT2 ALPINE AKAU 1324,675 265.709 21109000 AKAU PRINTIVE BACKCOUNTY KAUT2 ALPINE AKAU 1125,77 37.888 106433 AKAU PRINTIVE BA								84388.531	
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AKAU PRIMITIVE BACKCOUNTRY KAUTZ ALPINE AKAU 112,757 37.888 1064393 AKAU PRIMITIVE BACKCOUNTRY KAUTZ ALPINE AKAU 40.146 21.12 9924820 AKAU PRIMITIVE BACKCOUNTRY KAUTZ ALPINE AKAU 15.897 12.256 23630287 AKF MODERATE USE CLIMBING BACKCOUNTRY KAUTZ ALPINE AKAU 40.1260 32.1849 310030 XKEN PRISTINE BACKCOUNTRY KANTACHCHE ROUTE AKAU 40.280 32.142 27.1425 XELE PRISTINE BACKCOUNTRY LAKE ELEANOR XELE 288.276 6.46.607 7.221.2 XELE PRISTINE BACKCOUNTRY LAKE ELEANOR XELE 288.100 27.634 25.37.0 XLAN PRISTINE BACKCOUNTRY LAKE ELANOR XELE 288.010 1327.506 27.618 XLAN PRISTINE BACKCOUNTRY LAUGHINGWATER NORTH XPAC 0.627 0.000 2165165 XLA								2110808.000	
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AKFF MODERATE USE CLIMBING BACKCOUNTRY KAUUZ/FUHER ROUTE AKAU 401 280 321 849 310030 XKLA PRISTINE BACKCOUNTRY KLAPATCHE RIDGE XNIS 146 577 250 669 9956730 27142.5 XKLA PRISTINE BACKCOUNTRY LAKE ALBADG XELE 2889 276 666 807 72142.5 XELE PRINTIVE BACKCOUNTRY LAKE ELEANOR XELE 2889 276 664 807 72142.5 XLAN PRISTINE BACKCOUNTRY LAKE ELEANOR XELE 2889 276 606 807 72142.5 XLAN PRISTINE BACKCOUNTRY LAUGHINGWATER NORTH XPAC 96.783 29 193 2398454 XLAN PRISTINE BACKCOUNTRY LAUGHINGWATER NORTH XPAC 70.6910 1227505 227615 XLAN PRISTINE BACKCOUNTRY LAUGHINGWATER NORTH XPAC 13.3643 3974077 XLAS PRISTINE BACKCOUNTRY LAUGHINGWATER NORTH XPAC 353.700 518.874 3974077			BACKCOUNTRY					9928482.000	
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XLAN PRISTINE BACKCOUNTRY LAUGHINGWATER NORTH XPAC 0.431 0.000 660600 XLAS PRISTINE BACKCOUNTRY LAUGHINGWATER SOUTH XPAC 0.431 0.000 660600 ALIT PRINTIVE BACKCOUNTRY LITTLE TAHOMA ALIT 3691,104 1323,543 3974077.7 XLOS PRISTINE BACKCOUNTRY LOTT CREEK XPAC 3553,097 1166,769 633695 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 205,469 1297,601 2515.8 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 0,620 0.000 3547.2 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1,92 0.000 3547.2 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1,92 0.000 3547.2 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1,92 0.000 35208 2015.4								219516.609	
ALIT PRIMITIVE BACKCOUNTRY LITLE TAHOMA ALIT 3391,104 1333,843 795691.5 XLOS PRISTINE BACKCOUNTRY LOTC CREEK XPAC 3553,097 1156,759 633695 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 2905,469 1297,801 2515,8 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 2,920 0.000 35472,5 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 0,520 0.000 35472,5 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1,322 0.000 35412,4 XLOC PRISTINE BACKCOUNTRY LOWER CAVER RIVER XCAR 1,326,43 332,08 20154,6 XLCR PRISTINE BACKCOUNTRY LOWER CAVER RIVER XNIS 106,540 332,08 202621,9 XLCR PRISTINE BACKCOUNTRY LOWER RYINGPAN XPAC 2,755 0.000 171339,9	XLAN					0,431	0.000	68060.000	
XLOS PRISTINE BACKCOUNTRY LOST CREEK XPAC 3553,097 1167,799 633695 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 2905,469 1297,601 2915 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 0,620 0.000 36472.5 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 0,620 0.000 561.4 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1,520 0.000 5641.4 XLOC PRISTINE BACKCOUNTRY LOWER CANDAR XCAR 1,520 0.000 5641.4 XLCR PRISTINE BACKCOUNTRY LOWER CANDAR XCAR 1,532.08 20164.6 XLCR PRISTINE BACKCOUNTRY LOWER CANDARN XPAC 257.43 3042.35 232018.3 XLFR PRISTINE BACKCOUNTRY LOWER FRYINGPAN XPAC 275.5 0.000 719139.5 XLFR PRISTINE	XLAS	PRISTINE	BACKCOUNTRY	LAUGHINGWATER SOUTH	XPAC	3453.720	518.674	3974077.750	12847.3
XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 2905.469 1297.601 25158 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 0.620 0.000 35425 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1.292 0.000 5614.4 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1.292 0.000 5614.4 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1.292 0.000 5614.4 XLOC PRISTINE BACKCOUNTRY LOWER CARSTAL MOUNTAIN XPAC 2491.153 1631.086 60606.6 XLER PRISTINE BACKCOUNTRY LOWER CRYSTAL MOUNTAIN XPAC 257.434 304.236 220211.4 XLFR PRISTINE BACKCOUNTRY LOWER FRYINGPAN XPAC 2755 0.000 7191.39.9 XGLO PRISTINE BACKCOUNTRY LOWER FRYINGPAN XPAC 2241.725 805.725 53462.8	ALIT	PAIMITIVE		LITTLE TAHOMA	ALIT	3691.104	1333.643	795691.583	6242.9
XLCC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 0.620 0.000 354725 XLOC PRISTINE BACKCOUNTRY LOWER CARBON RIVER XCAR 1.922 0.000 56414 XLOC PRISTINE BACKCOUNTRY LOWER CORVITZ XNIS 1106.340 33.208 20154.6 XLOR PRISTINE BACKCOUNTRY LOWER CRYSTAL MOUNTAIN XPAC 2491.153 1631.086 60405.6 XLCR PRISTINE BACKCOUNTRY LOWER CRYSTAL MOUNTAIN XPAC 297.434 304.236 2232018 XLFR PRISTINE BACKCOUNTRY LOWER FAVINGPAN XPAC 1278.191 652.635 206291.9 XLFR PRISTINE BACKCOUNTRY LOWER FAVINGPAN XPAC 1278.191 652.635 206291.9 XLFA PRISTINE BACKCOUNTRY LOWER FAVINGPAN XPAC 1275.0 0.000 171930.9 XGLO PRISTINE BACKCOUNTRY LOWER FAVINGPAN XPAC 22441.725 805.725 53.462.8 </td <td></td> <td></td> <td>BACKCOUNTRY</td> <td></td> <td></td> <td></td> <td></td> <td>63959.594</td> <td></td>			BACKCOUNTRY					63959.594	
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S3422 828 1147.998 375 344 UNDETERMINED 8 8 0.000 449217.781 5854.411 376 345 UNDETERMINED 8 8 0.000 82483.5500 5171.564 378 351 MIX OF ZONES 128 128 0.000 238709.969 2759.902 380 352 SENSITIVE RESOURCE/REC 98 7 4.983 3972.841 255.902 380 353 SENSITIVE RESOURCE/REC 98 7 4.983 3972.841 255.982 381 354 ADMINISTRATIVE 329 329 0.000 2867480.000 12347.968 382 955 MIX OF ZONES 128 128 0.000 3969.841.65 737.725 383 541 VISITOR FACILITIES 7 7 4.893 19254.406 558.909 384 356 ADMINISTRATIVE 329 329 0.000	719139.938	7031.784	367	339	SENSITIVE RESOURCE/REC	98	98	46.247
824835.500 5171.564 378 351. MIX OF ZONES 128 128 0.000 238709.969 2759.902 380 353.SENSITIVE RESOURCE/REC 98 7 4.893 3972.801 259.802 381 354.ADMINISTRATIVE 329 329 0.000 2887480.000 12343.796 382 355.MIX OF ZONES 128 128 0.000 39994.166 737.725 383 541 VISITOR FACILITIES 7 7 4.693 19254.406 558.909 384 356 ADMINISTRATIVE 329 329 0.000	53462.828	1147.998		344	UNDETERMINED	8		0.000
233700.969 2759.902 380 352 SENSITIVE RESOURCE/REC 98 7 4.933 3972.891 259.892 381 354 ADMINISTRATIVE 329 329 0.000 268748.000 12343.796 382 355 MIX OF ZONES 128 128 0.000 399994.156 737.725 383 541 VISITOR FACILITIES 7 7 4.893 19254.406 558.909 384 356 ADMINISTRATIVE 329 329 0.000								
3972.891 259.892 381 354 ADMINISTRATIVE 329 329 0.000 2687.489.000 12343.798 382 355 MIX OF ZONES 128 128 0.000 39594.165 737.725 383 541 VISITOR FACILITIES 7 7 4.893 19254.406 558.909 384 356 ADMINISTRATIVE 329 329 0.000								
2687480.000 12343.798 382 355 MIX OF ZONES 128 1.000 395941.166 737.725 383 541 VISITOR FACILITIES 7 7 4.693 19254.406 558.909 384 356 ADMINISTRATIVE 329 329 0.000								
19254,406 558.909 384 356 ADMINISTRATIVE 329 329 0.000				355	MIX OF ZONES			
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Unif XMAZ	Zone Class PRISTINE	Type BACKCOUNTRY	Unit Name MAZAMA RIDGE	Primary Trailhead OLOZON XMA7	E ACRES 71.779	Adjusted Unuasable Hide Usable Acres 13 595	AREA 70693.609	PERIMETER 964.908	WORK_ WO
XMAZ	PRISTINE	BACKCOUNTRY	MAZAMA BIDGE	XMAZ	147.375	0.000	186655.672		387
XMAZ	PRISTINE	BACKCOUNTRY	MAZAMA RIDGE	XMAZ	20.493	3.121	754208.875	4630.780	388
XMAZ	PRISTINE	BACKCOUNTRY	MAZAMA RIDGE	XMAZ	0.830	0.000	56080.563		389
XMAZ	PRISTINE	BACKCOUNTRY	MAZAMA RIDGE	XMAZ	4.678	0.000	2353086.000		197
XNEE	PRISTINE	BACKCOUNTRY BACKCOUNTRY	MONEELEY PEAK	XNEE	447.909	176.526	5792456.500		210
XMIN XMIR	PRISTINE	BACKCOUNTRY	MINERAL MOUNTAIN MIRROR LAKES	XMIN XNIS	426.215 162.099	44.799 65.750	772095.000 2166127.000		230 157
XMIS	PRISTINE	BACKCOUNTRY	MIST PARK	XMIS	303.311	77.116	1652146.250	11047.822	169
AMOT	PRISTINE	BACKCOUNTRY	MOTHER MOUNTAIN	AMOT	2391.257	991.544	31248.844		175
XARA	PRIMITIVE	BACKCOUNTRY	MOUNT ARARAT	XPYR	361.061	29.195	5960650.000	12073.059	167
XFRE	PRIMITIVE	BACKCOUNTRY	MOUNT FREMONT	XFRE	580.690	96.098	8836225.000		166
AMQU XWOW	PRISTINE	BACKCOUNTRY BACKCOUNTRY	MOUNT RUTH MOUNT WOW	AMOU XNIS	689.586 3769.808	328.305 1704.181	31192.969 2537435.250		183
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	XMOW	332.188	208.621	7363561.500		39 177
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	XMOW	51.545	6.238	1608428.000		10
XMOM	PRISTINE	BACKCOUNTRY	MOWICH LAKE	XMOW	13.405	0.000	3054654.000		36
XMOW	PRISTINE	BACKCOUNTRY	MOWICH LAKE	XMOW	59.617	22.958	31208.938		116
XMOW XMOW	PRISTINE	BACKCOUNTRY BACKCOUNTRY	MOWICH LAKE MOWICH LAKE	XMOW XMOW	1.625 1.018	0.000 0.000	4286744.000 2209449.000		47 6
AMUE	PRISTINE	BACKCOUNTRY	MULR CORRIGOR EAST	ACOW	91.516	3.342	5348899.000		75
AMUW	PRISTINE	BACKCOUNTRY	MUIR CORRIDOR WEST	ANIS	305.585	179.416	31207.031		258
AMUW	PRISTINE	BACKCOUNTRY	MUR CORRIDOR WEST	ANIS	117.124	63.519	2166748.000	6371.027	218
XMYS	PRISTINE	BACKCOUNTRY	MYSTIC LAKE	XMIN	602.481	127.711	14657580.000		219
XNIC	PRISTINE	BACKCOUNTRY BACKCOUNTRY	NICKLE CREEK NICKLE CREEK	XPAC XPAC	2719.228	258.532	455300.000		232
XNIC XCAN	PRISTINE	BACKCOUNTRY	NORTH CARBON RIVER	XCAR	1.577 2725-863	0.000 893.766	64188.766		247 268
XNOR	PRIMITIVE	BACKCOUNTRY	NORTHERN LAKES	XNOR	898.298	223.772	1620324.125		224
XOHA	PRISTINE	BACKCOUNTRY	OHANAPECOSH PARK	XOHA	2262.063	1225,796	4626122.500		223
хонм	PRISTINE	BACKCOUNTRY	OHANAPECOSH WEST	XPAC	693.759		31141.109		248
AOLD	PRISTINE	BACKCOUNTRY	OLD DESOLATE	AOLD	756.521	403,196	2694208.000		227
APBL APTA	HIGH USE CLIMBING PRIMITIVE	BACKCOUNTRY BACKCOUNTRY	PEBBLE CREEK PTARMIGAN RIDGE	AMUI APTA	115.270 4886.519	1.114 1868.848	11666589.000 2580617.000		7 9
XPYR	PRIMITIVE	BACKCOUNTRY	PYRAMID PEAK	XPYR	1149.167	351,709	31205.156		19
XRIC	PRISTINE	BACKCOUNTRY	RICKSECKER POINT	XNIS	576.946	55,496	31049.688		298
ASTK	PRIMITIVE	BACKCOUNTRY	S TAHOMA/KAUTZ GLACIER	AKAU	5.925	0.000	390800.375		277
ASAR	PRISTINE	BACKCOUNTRY	SARVENT ALPINE	ASAR	1175.122	454.190	28627896.000		278
XSAT	PRIMITIVE	BACKCOUNTRY	SATULICK MOUNTAIN	XPYR	678.685	240.922	77796.469		320
XSÉA XSLK	PRISTINE	BACKCOUNTRY BACKCOUNTRY	SEATTLE PARK SHADOW LAKE	XSEA XSLK	460.783 17.049	84.919 0.000	1740.719 13945751.000		332 347
XSLK	PRIMITIVE	BACKCOUNTRY	SHADOW LAKE	XSLK	178.409		14904263.000	59298.504	182
XSHR	PRISTINE	BACKCOUNTRY	SHRINER PEAK	XPAC	5848.404	1668,729	14347026.000	40474.949	5
XSHR	PRISTINE	BACKCOUNTRY	SHRINER PEAK	XPAC	61.895	11.364	11731975.000		14
XSKY	PRISTINE	BACKCOUNTRY	SKYSCRAPER MOUNTAIN	XSKY	480.594	311.817	2098.984		16
XSKY XSLI	PRISTINE	BACKCOUNTRY BACKCOUNTRY	SKYSCRAPER MOUNTAIN SLIDE MOUNTAIN	XSKY XSLI	366.630 2034.300	83,579 742,196	5215.422 4467284.600		18 359
XSRD	PRIMITIVE	BACKCOUNTRY	SOURDOUGH RIDGE	XSRD	2034.300	82,467	31205.375		141
XSPN	PRIMITIVE	BACKCOUNTRY	SPRAY PARK NORTH	XSPN	91.245	0.000	10059009.000	21850.133	26
XSPN	PRIMITIVE	BACKCOUNTRY	SPRAY PARK NORTH	XSPN	52.548	7.354	3866016.500	13817.201	105
XSPS	PRIMITIVE	BACKCOUNTRY	SPRAY PARK SOUTH	XSPS	427.248	5.127	5161199.500	18841.828	171
XSTA XSCS	PRISTINE	BACKCOUNTRY BACKCOUNTRY	ST ANDREWS STEVENS CANYON SOUTH	XNIS XNIS	573.889 419.532	209.281 84.249	11124.813 9859426.000		174 161
XSCS	PRISTINE	BACKCOUNTRY	STEVENS CANYON SOUTH	XNIS	2347.302	592.617	11460315.000		311
XSCS	PRISTINE	BACKCOUNTRY	STEVENS CANYON SOUTH	XNIS	66.266	0.000	4214780.000	12103.834	101
XSTE	PRISTINE	BACKCOUNTRY	STEVENS RIDGE	XSTE	3401.262	1281.963	29911516.000		212
XSRM XSRM	PRIMITIVE	BACKCOUNTRY	SUNRISE MEADOW	XSRM	9.911	0.000	2495667.250		240
XSRN	PRISTINE	BACKCOUNTRY BACKCOUNTRY	SUNRISE MEADOW SUNRISE RIDGE NORTH	XSRM XPAC	196.027 4704.363	0.000 1639,970	2247953.250 15317341.000		24 11
XSRS	PRISTINE	BACKCOUNTRY	SUNRISE RIDGE SOUTH	XSRS	4183.207	782.550	31194.500	627.086	370
XRIM	PRIMITIVE	BACKCOUNTRY	SUNRISE RIM	XRIM	387.691	350,381	1387473.375		302
XRIM	PRIMITIVE	BACKCOUNTRY	SUNRISE RIM	XRIM	7.191	0.000	986653.125		303
XSAR XSUN	PRISTINE	BACKCOUNTRY	SUNRISE ROAD SUNSET PARK	XPAC	1148.015	94.945	289834.438		324
XSUN	PRISTINE	BACKCOUNTRY BACKCOUNTRY	SUNSET PARK	XSUN XSUN	121.013 1676.289	65.976 491.456	595085.500 82748.906		327 342
XSUN	PRISTINE	BACKCOUNTRY	SUNSET PARK	XSUN	373.028	62.632	3351.984		343
XTAH	PRISTINE	BACKCOUNTRY	TAHOMA CREEK	XNIS	4291.769	1267.989	16687.938		351
ATAM	PRISTINE	BACKCOUNTRY	TAMANOS CREEK	ATAM	959.064	311,131	1808609.250	9759.489	61
XTCR	PRISTINE	BACKCOUNTRY	TATOOSH CREEK	XNIS	13.653	44.799	1721009.750		96
XTCR XTCR	PRISTINE	BACKCOUNTRY BACKCOUNTRY	TATOOSH CREEK TATOOSH CREEK	XNIS	1396.568	411.445	654536.750		276
XTAT	PRIMITIVE	BACKCOUNTRY	TATOOSH RANGE	XNIS XTAT	16.848 2355.635	0.000 1342.612	1588147.750 9655640.000	6429.157 24718.846	89 49
XTAT	PRIMITIVE	BACKCOUNTRY	TATOOSH RANGE	XTAT	1239.131	570,106	1457926.000		293
XRAM	PRISTINE	BACKCOUNTRY	THE RAMPARTS	XNIS	260.979	70.198	2344764.000	15032.731	77
XTIR	PRISTINE	BACKCOUNTRY	TIRZAH PEAK	XCAR	2922.554	722.360	2784476.250		173
ATOX XTYE	PRIMITIVE PRISTINE	BACKCOUNTRY BACKCOUNTRY	TOKALOO ALPINE TYEE PEAK	ATOK	2289,905	1032.529	15222083.000		291
XUPC	PRISTINE	BACKCOUNTRY	UPPER CARBON RIVER	XTYE XCAR	674.267 1446.148	158.907 611.799	7941654.000 1341339.500	32089.070 5065.514	164 66
XUGC	PRISTINE	BACKCOUNTRY	UPPER GRANITE CREEK	XPAC	278.967	3.789	208134.172		69
XUPK	PRISTINE	BACKCOUNTRY	UPPER KAUTZ CREEK	XNIS	1551.527	381,779	54131.031	1061.366	81
XUMP	PRISTINE	BACKCOUNTRY	UPPER MOWICH RIVER	XCAR	5106,196	1867.530	240728.156		90
XUPN	PRISTINE	BACKCOUNTRY	UPPER NISQUALLY	XNIS	763_022	381.997	6562.172	671.756	92

			WORK_ID WINTER	WINTER_SYM SUMMER		
70693.609	964.908	386	358 MIX OF ZONES	128	329	0.000
186655.672	2676.917	387	359 MIX OF ZONES	128	128	0.000
754208.875	4630.780	388	360 MIX OF ZONES	128	128	0.000
56080.563 2353086.000	1140.483 12085.280	389 197	361 ADMINISTRATIVE 169 WINTER	329	329	0.000
5792456.500	28094.049	210	183 WINTER	9	163 163	265.987 136.773
772095.000	4989.723	230	202 WINTER	9	163	3,334
2166127.000	9026.896	157	122 WINTER	9	163	22.685
1852146.250	11047.822	169	135 WINTER	8	179	101.196
31248.844	627.764	175	441 WINTER	9	31	0.000
5960650.000	12073.059	167	132 WINTER	9	163	738.860
8836225.000	24686.314	166	131 WINTER	9	163	731.524
31192.969	627.083	183	444 WINTER	9	21	0.000
2537435.250	8827.392	39	36 WINTER	9	163	314.919
7363561.500 1608428.000	15373.793 10890.470	177	142 WINTER	9	163	949.468 63.831
3054654.000	9117.708	10	8 WINTER 33 WINTER	9	163 179	o3.831 3.114
31208.938	627.223	118	411 WINTER	9	21	0.000
4286744.000	9465.138	47	42 WINTER	ÿ	163	227.308
2209449.000	22056.244	6	6 WINTER	9	179	286.470
5348899.000	12425.423	75	60 WINTER	9	163	325.835
31207.031	627.208	258	481 WINTER	9	21	0.000
2166748.000	6371.027	218	191 WINTER	9	168	175.228
4657580.000	56294.887	219	192 WINTER	9	179	1485.829
455300.000	6377.733	232	204 WINTER	9	179	37.808
162105.016	2776.520	247	221 WINTER	9	179	21.127
64188.766	2079.391	268	248 WINTER	9	179	12.230
1620324.125 4626122.500	16435.398 18360.818	224 223	197 WINTER 196 WINTER	9	245 163	321.167
31141.109	626.748	248	477 WINTER	9	21	250.438 0.000
2594208.000	11970.198	240	199 WINTER	9	163	241.760
11666589.000	23783,344	7	7 WINTER	õ	163	646.437
2580617.000	10031.693	9	362 WINTER	9	179	27.675
31205.156	827.237	19	369 WINTER	8	21	0.000
31049.688	626.238	298	494 WINTER	9	21	0.000
390800.375	4315.281	277	256 WINTER	9	163	29.131
28627896.000	29138.115	278	257 WINTER	9	163	1324.695
77796.469	2029.106	320	300 WINTER	9	163	0.000
1740.719	250.881	332	309 WINTER	9	163	0.000
3945751.000	24047.305 59298.504	347 182	324 WINTER 151 WINTER	9 9	163	517.775
4347026.000	40474.949	182	4 WINTER	9	179 163	1330.819 1154.310
1731975.000	17292.387	14	12 WINTER	9	163	1294.853
2098.984	260.654	16	14 WINTER	9	163	0.000
5215,422	330,948	18	16 WINTER	ģ	163	0.000
4467284.500	13279.754	359	332 WINTER	9	163	33.138
31205.375	628.148	141	418 WINTER	9	21	0.000
0059009.000	21850.133	26	23 WINTER	9	163	1627.632
3866016.500	13817.201	105	85 WINTER	9	163	303.592
5161199.500	18841.828	171	137 WINTER	9	163	661.232
11124.813	569.507	174	141 WINTER	9	163	0.000
9859426.000	24404.871	161	126 WINTER	9	163	804.019
4214780.000	25357.682 12103.834	311 101	295 WINTER 80 WINTER	9	163 163	322.717 149.681
29911516.000	44442.281	212	185 WINTER	9 0	163	2314.404
2495667.250	18477.313	240	210 WINTER	9	163	0.000
2247953.250	12653.835	24	21 WINTER	9	163	144.120
5317341.000	22385.436	11	9 WINTER	9	163	922.775
31194.500	627.086	370	526 WINTER	9	21	0.000
1387473.375	7866.672	302	287 WINTER	9	163	65.163
986653.125	6066.938	303	288 WINTER	9	163	28.025
289834.438	2645.985	324	303 WINTER	9	163	13.566
595085.500	3857.319	327	305 WINTER	9	163	0.000
82748.906	2041.945	342	319 WINTER	9	163	3.114
3351.984 16687.938	296.544 780.252	343 351	320 WINTER 327 WINTER	9	163	0.000
1808609.250	9759.489	.351 61	53 WINTER	9 9	163 163	0.000 176.152
1721009.750	13742.881	96	73 WINTER	9	163	44.704
654536.750	5544.964	276	255 WINTER	9	163	65.611
1588147.750	6429.157	89	66 WINTER	9	163	76.953
9655640.000	24718.846	49	43 WINTER	9	163	989.444
1457926.000	10225.982	293	280 WINTER	9	179	29.133
2344764.000	15032.731	77	61 WINTER	9	179	95.895
2784476.250	9651.621	173	140 WINTER	9	163	327.610
5222083.000	23791.227	291	278 WINTER	8	163	1700.572
7941654.000	32089.070	164	129 WINTER	9	163	269.547
1341339.500	5065.514	66	55 WINTER	9	163	208.179
208134.172	2349.249	69	57 WINTER	9	163	6.225
54131.031 240728.156	1061.366 2523.537	81 90	552 WINTER 67 WINTER	9 9	163 163	0.000 22.909

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Unit		Туре	Unit Name			Adjusted Unuasable Hide Usable Acres
			UPPER PUYALLUP	XNIS	229.215	223.775
			UPPER WEST FORK	XPAC	142.608	8.025
			UPPER WESTSIDE ROAD	XNIS	2342.648	855.205
			UPPER WHITE RIVER	XWIT	37.649	0.000
			UPPER WHITE RIVER	XWIT	1117.195	528.909
(VAN			VAN TRUMP PARK	XVAN	259,182	67.752
		BACKCOUNTRY	VERNAL PARK	XVER	313,329	15.602
XVIR			VRIGINA PEAK	XCAR	2168.395	683 146
KVIR	PRISTINE		VRIGINA PEAK	XCAR	1.410	0.000
KWFW	PRISTINE	BACKCOUNTRY	WEST FORK WHITE RIVER	XPAC	288.457	2.449
XWHI	PRISTINE	BACKCOUNTRY	WHITE RIVER PARK	XWH	1510,298	293.752
XWIL	PRISTINE	BACKCOUNTRY	WILLIWAKAS CREEK	XNIS	1673.859	696.927
	PRISTINE	BACKCOUNTRY			0.034	0.000
3CBP	SEMI-PRIMITIVE	CAMP	BERKELEY PARK CAMP	8CBP	7,734	0.000
BCCR	SEMI-PRIMITIVE	CAMP	CARBON RIVER CAMP	BCCR	7.727	0.000
BCCV	SEMI-PRIMITIVE	CAMP	CATARACT VALLEY CAMP	BCCV	7.726	0.000
BCDR		CAMP	DEER CREEK	BCDR	7.722	0.000
		CAMP	DEVILS DREAM CAMP	8COD	7.728	0.000
		CAMP	DICK CREEK CAMP	BCDC	7.718	0.000
COL	SEMI-PRIMITIVE	CAMP	DICK LAKE CAMP	BCDL	7.627	0.000
			EAGLES ROOST CAMP	BCER	7,683	0.000
BCFC			FIRE CREEK CAMP	BCFC	7.678	0.000
		CAMP	GLACIER BASIN CAMP	BCGB	7 739	0.000
BCGL		CAMP	GOLDEN LAKES CAMP	BCGL	7.725	0.000
BCGC		CAMP	GRANITE CREEK CAMP	BCGC	7.729	0.000
		CAMP	INDIAN BAR CAMP	BCIB	7.729	0.000
		CAMP		BCKP	7.712	0.000
BCKP			KLAPATCHE PARK CAMP	BCLE		0.000
BOLE		CAMP CAMP	LAKE ELENOR CAMP		7.728	
BCLG			LAKE GEORGE CAMP	BCLG	7.690	0.000
BCLC			LOWER CRYSTAL CAMP	BCLC	7.728	0.000
BCMC		CAMP	MAPLE CREEK CAMP	BCMC	7.725	0.000
		CAMP	MOWICH RIVER CAMP	BCMR	7.721	0.000
BCML		CAMP	MYSTIC LAKE CAMP	BCML	7.718	0.000
BONC	SEMI-PRIMITIVE	CAMP	NICKLE CREEK CAMP	BCNC	7.722	0.000
BCNP		CAMP	NORTH PUYALLUP CAMP	BCNP	7.683	0.000
		CAMP	OLALLIE CREEK CAMP	BCOC	7.729	0.000
BCPR	Walter Friday Pres	CAMP	PARADISE RIVER CAMP	BCPR	7.711	0.000
BCPC		CAMP	PYRAMID CREEK CAMP	BCPC	7.730	0.000
BCRC		CAMP	REDSTONE CAMP	BOAC	7.589	0.000
BCSP		CAMP	S PUYALLUP CAMP	BGSP	7.726	0.000
		CAMP	SHADOW LAKE CAMP	BCSW	7.743	0.000
BCSR	•••••••	CAMP	SHRINER PEAK CAMP	BCSR	7.737	0.000
BCSL		CAMP	SNOW LAKE CAMP	BCSL	7.732	0.000
BCSC		CAMP	SUMMERLAND CAMP	BCSC	7.724	0.000
BCTC		CAMP	TAMANOS CREEK GAMP	BCTC	7.727	0.000
BCTL		CAMP	THREE LAKES CAMP	BCTL	7.695	0.000
BCUC			UPPER CRYSTAL CAMP	RCOC	7.735	0.000
BCUP	SEMI-PRIMITIVE	CAMP	UPPER PALISADES CAMP	BCUP	7.717	0.000
BOYG		CAMP	YELLOWSTONE CLIFF CAMP	BCYC	7.739	7.687
BCCM	SENSITIVE RESOURCE/REC	FRONT COUNTRY		BCCM	1.601	0.000
SCCS	SENSITIVE RESOURCE/REC			BCCS	8.526	0.000
	SENSITIVE RESOURCE/REC			NOWILD	246,632	22.289
			FRONTCOUNTRY ZONE	NOWILD	6.722	0.000
			FRONTCOUNTRY ZONE	NOWILD	1,793	0.000
			FRONTCOUNTRY ZONE	NOWILD	1.371	0.000
			FRONTCOUNTRY ZONE	NOWILD	59.399	6.240
			FRONTCOUNTRY ZONE	NOWILD	6.790	0.000
			FRONTCOUNTRY ZONE	NOWILD	54.364	0.000
	SENSITIVE RESOURCE/REC	FRONT COUNTRY	EDONTCOUNTRY ZONE		16 855	0.000
				NOWILD		
	SENSITIVE RESOURCE/REC			NOWILD	984.196	131.719
	SENSITIVE RESOURCE/REC			NOWILD	197.056	16.270
			FRONTCOUNTRY ZONE	NOWILG	15.840	0.000
			FRONTCOUNTRY ZONE	NOWILD	0.623	0.000
			FRONTCOUNTRY ZONE	NOWILD	8.785	0.000
			FRONTCOUNTRY ZONE	NOWILD	1.353	0.000
			FRONTCOUNTRY ZONE	NOWILD	4.991	0.668
			FRONTCOUNTRY ZONE	NOWILD	14.960	0.000
			FRONTCOUNTRY ZONE	NOWILD	57.476	D.668
	SENSITIVE RESOURCE/REC			NOWILD	51.089	1.560
	SENSITIVE RESOURCE/REC			NOWILD	1/8.098	46.345
			FRONTCOUNTRY ZONE	NOWILD	13.240	0.000
			FRONTCOUNTRY ZONE	NOWILD	111.251	0.000
			FRONTCOUNTRY ZONE	NOWILD	204.274	0.000
NOWILD			FRONTCOUNTRY ZONE	NOWILD	59.115	4.903
			FRONTCOUNTRY ZONE	NOWILD	0.984	0.000
			FRONTCOUNTRY ZONE	NOWILD	665.567	0.000
				NOWILD	9.606	4.903
NOWILD	VISITOR FACILITIES	FRONT COUNTRY	FRONT COUNTRY ZONE			
40WILD			FRONTCOUNTRY ZONE FRONTCOUNTRY ZONE	NOWILD	4.768	0.000
NOWILD NOWILD NOWILD	ADMINISTRATIVE	FRONT COUNTRY	FRONTCOUNTRY ZONE	NOWILD	4.768	0.000
NOWILD NOWILD NOWILD NOWILD	ADMINISTRATIVE VISITOR FACILITIES	FRONT COUNTRY FRONT COUNTRY				

AREA	PERIMETER					WINTER_SYM S		
4109.828 31174.656	317.452 626.998	99 146		WINTER		9	163 21	0.000
369531.313	6596.844	255		WINTER		9	163	3.335
1233918.500	6986.165	257		WINTER		9	163	179.036
472934.750	6457 821	284		WINTER		ě	163	53.384
1153517.250	6934.843	238		WINTER		9	168	30,243
2432754.750	15770.349	78		WINTER		9	163	127,441
31163 344	626.948	140		WINTER		9	21	0,000
10979953.000	20146.457	274		WINTER		9	163	257.985
6367.906	335.867	350		WINTER		9	163	0.000
31182.344	627.024	331	510	WINTER	1	9	21	0.000
3312080.500	10905.924	222	195	WINTER	l	9	163	292.682
188495.906	2579.986	228	201	WINTER	I	9	163	23,341
662104.313	4477,405	282	262	WINTER	1	9	163	8.228
11006742.000	28358.838	2	1	WINTER	t	9	163	891.873
31024.531	626.125	229		WINTER		9	21	0.000
3627233.250	9670.266	25		WINTEP		9	179	223,298
9134048.000	21108.189	211		WINTER		9	163	1223.200
2801322.750	16384.214	373		WINTEP		9	163	243,987
31208.453	627.238	322		WINTER		9	21	0.000
3054749.250	9035.528	79		WINTER		9	163	402,342
31138.094	626.862	357		WINTER		9	21	0.000
465449.875	3608,769	262		WINTER		9	168	1.112
19731242.000	81346.992	100		WINTEP		-	179	1864.891
15065417.000	54478.508	200		WINTER		9	163	723.460
31211.516 4640215.000	627,245 16826,621	317 280		WINTER		9	21 179	0.000 350.964
4640215.000	623.955	280 48		WINTER		9	1/9	350,964
2329645.750	13957.766	40 315		WINTER		8	163	
2329645.750	10728.977	13			RMINED	8	103 B	55.378 0.000
150123 625	5047 281	15			RMINED	8	6	0.000
2125540.500	35032.301	27			MOTORIZED	94	94	0.000
399296.688	12843.751	59	542	ROADE	DMOTORIZED	84	94	0.000
41795.188	1493,365	88	77	ROADE	DMULTIUSE	103	103	0.000
88432.578	3025.945	94			D MOTORIZED	94	94	0.000
1895216.250	29828.984	115	535	UNDEVE	LOPED	102	94	0.000
133502.563	2453.245	129		UNDEVI		102	103	0.000
3424906.000	52811.418	144	215	UNDEVI	ELOPED	102	94	0.000
1168371.525	37497.418	558			RMINED	8	8	0.000
397508.969	6486.279	299	284	ROADER	D MULTIUSE	103	94	0.000
3384995.250	54182.883	306			D MOTORIZED	94	94	0.000
52682.219	2795.401	309			D MULTIUSE	103	94	0.000
372680.750	6223.327	316			DMULTIUSE	103	0	0.000
1319281.875	21447.607	325		UNDEVE		102	94	0.000
1939921.875	29791.566	355			5 MULTIUSE	103	٥	0.000
714302.563	13162.794 627.571	366 272		WINTEP	O MOTORIZED	94 9	94	0.000
31197.516 2803297.500	15135.467	212		WINTER		9	21 163	0.000 62.040
182531.172	3000.845	233		WINTER		9	163	3,113
23923.297	749.938	233		WINTER		9	179	0.000
2329972.500	18150.861	236		WINTER		ŝ	163	208,397
4745018.500	13670.639	206		WINTER		9	163	453.228
2740457.750	10247.063	297		WINTER		9	179	240.412
1860592.500	7729.330	85		WINTEP		9	163	84,739
68842.750	1348.973	125		WINTEF		9	179	0.000
720396.625	4262.264	127		WINTER		9	179	11.789
31264.141	627.828	149		WINTER		9	31	0.000
23615230.000	32357.830	244		WINTEP		9	163	1665.195
249927.063	3257.983	266		WINTER		9	163	11.340
31239.313	627.621	270		WINTER		9	21	0.000
1940586.750	10114.158	62		WINTER		9	163	311.157
1480413.750	9921.672	31		WINTCH		9	163	83,402
8214284.000	26128.090	4		WINTER		9	163	740.624
31222.781	627.660	369		WINTER		9	31	0.000
823531.125	5077.938	109		WINTER		9	179	82.292
368436.656	3772.874 2479.887	103 112		WINTER		9	179 179	0.000
212182.594				WINTEF				7.338
1725180.625 2317301.750	6417.502 15238.728	116 220		WINTER		9	179 163	5.116 208.838
1694026.500	12122.19/	328		WINTER		8	163	208.838 84.071
9478153.000	24102.572	339		WINTER		9	163	591.362
267575 750	3628.856	362		WINTER		9	163	0.000
13733931.000	34537.480	260		WINTER		9	163	1279.248
31187.531	627.193	202		WINTER		9	31	0.000
3283085.250	8355.000	207		WINTEP		9	168	84.732
40018.906	1396.401	122		WINTER		9	179	0.000
791535.188	6795.445	123	99	WINTER	L	9	179	0.000
18995714.000	35215.531	3		WINTER		9	163	1636.497
16891342.000	31851.686	43		WINTER		9	163	780.893
1565454.500	9954.753	130		WINTER		9	179	349.639
29036.906	1507.514	134	110	WINTER	I	9	179	0.000

ACAG ACAG	ADMINISTRATIVE SENSITIVE RESOURCE/REC		EDONTCOLINITEM ZONE	NOMED	186.783	0.000	4635560.500
ACAG			FRONTCOUNTRY ZONE	NOWILD XNIS	13.889 13.586	0.000	488639.281 6768674.000
	PRISTINE		CABBON GLACIER	ACAR	2927.756	331.198	1506246.875
	PRISTINE	GLACIER	COWLITZ GLACIER	ACOW	1749.835	329.391	17329706.000
ADIS	HIGH USE CLIMBING		DISAPPOINTMENT CLEAVER	ADIS	75.235	10.029	3872596.250
AEMG	PRISTINE	GLACIER	EMMONS GLACIER	AEMG	2458.827	167.591	31200.094
AEMR	MODERATE USE CLIMBING PRISTINE	GLACIER	EMMONS ROUTE FRYINGPAN GLACIER	AEMR ALIT	586.756 1434.624	0.000 137.053	54859.781 55130.141
AFRG	PRISTINE		FRYINGPAN GLACIER	ALIT	191.212	3.341	5639192.500
AING	HIGH USE CLIMBING		INGRAHAM FLATS	AING	536.604	175.600	68030.219
AMOG	PRISTINE	GLACIER	MOWICH GLACER	ACAR	1966,782	270.119	9511804.000
AMUL	HIGH USE CLIMBING		MUIR SNOWFIELD	AMUI	285.673	30.307	5003477.000
ANIS	PRISTINE		NISQUALLY GLACIER	ANIS	820.250	293.303	1053806.375
ANIS ANIS	PRISTINE		NISQUALLY GLACIER NISQUALLY GLACIER	ANIS	46.682 163.973	23.391 8.245	31073.484 11800962.000
APTG	PRISTINE		PUYALLUP/TAHOMA GLACIERS	ACOL	3731.009	/24.995	9246390.000
ASTK	PRISTINE	GLACIER	S TAHOMA/KAUTZ GLACIER	AKAU	694.248	62.172	19357.359
ASTK	PRISTINE		S TAHOMA/KAUTZ GLACIER	AKAU	45.205	3.120	11282.313
ASTK	PRISTINE		S TAHOMA/KAUTZ GLACIER	AKAU	577.027	208.839	10131.281
ASUM	HIGH USE CLIMBING	GLACIER GLACIER	SUMMIT WINSLOW GLACIER	ASUM AKAU	813.069 24.123	64.912 0.000	302091.656 68246.016
AWLG AWLG	PRISTINE	GLACIÉR	WINSLOW GLACIER	AKAU	266.266	50.154	337036.938
WLG	PRISTINE	GLACIER	WINSLOW GLACIER	AKAU	34.707	2.452	166070.188
AWIN	PRISTINE	GLACIER	WINTHROP GLACIER	AWIN	2004.862	96.497	294507.313
XBUT	RESEARCH NATURAL AREA		BUTTER CREEK RNA	XBUT	2549.044	1204.450	16770889.000
ROAD	UNDETERMINED	ROAD	ROAD ZONE	ROAD	80.178	0.000	232705.18B
ROAD	UNDETERMINED ROADED MOTORIZED	ROAD ROAD	ROAD ZONE ROAD ZONE	ROAD ROAD	37.179 526.398	0.000	1958.668 29229.969
ROAD	ROADED MOTORIZED	ROAD	ROAD ZONE	ROAD	98.887	0.000	56052.984
ROAD	ROADED MULTIUSE	ROAD	ROAD ZONE	ROAD	10.351	0.000	5898.828
ROAD	ROADED MOTORIZED	ROAD	ROAD ZONE	ROAD	21.901	0.000	18859.422
ROAD	ROADED MOTORIZED	ROAD	ROAD ZONE	ROAD	469.358	0.000	15689.063
ROAD	ROADED MULTIUSE ROADED MOTORIZED	ROAD	ROAD ZONE ROAD ZONE	ROAD	33.062 848.191	0.000	17455.750 134860.594
ROAD	UNDETERMINED	ROAD	ROAD ZONE	ROAD	289.352	0.000	13150.500
ROAD	ROADED MOTORIZED	ROAD	ROAD ZONE	ROAD	98.445	0.000	29232.172
ROAD	ROADED MOTORIZED	ROAD	ROAD ZONE	ROAD	838.307	0.000	114693.375
ROAD	ROADED MOTORIZED	ROAD	ROAD ZONE	ROAD	13.047	0.000	91165.859
ROAD	ROADED MOTORIZED ROADED MOTORIZED	ROAD	ROAD ZONE ROAD ZONE	BOAD	92.296 326.725	0.000	192417.031 128232.563
ROAD	ROADED MOTORIZED	ROAD	ROAD ZONE	ROAD	480.429	0.000	248575.172
ROAD	ROADED MOTORIZED	ROAD	ROAD ZONE	ROAD	176.900	0.000	105812.703
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	4.794	0.000	143079.250
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL TRAIL	2.794	0.000	12355.859
FRAIL FRAIL	SEMI-PRIMITIVE SEMI-PRIMITIVE	TRAIL	TRAIL ZONE TRAIL ZONE	TRAIL	2.509 74.814	0.000	100363.078 62399.906
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	16.901	0.668	26261.938
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	83.469	0.000	13334.766
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	41.128	0.000	126732.547
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL TRAIL	72.936	0.000	24040.594
[RA1]. [RA1].	SEMI-PRIMITIVE TRANSITION	TRAIL	TRAIL ZONE TRAIL ZONE	TRAIL	4153.376 57.630	0.000	57526.359 4500.234
TRAIL	SEMI-PRIMITIVE	TRAL	TRAIL ZONE	TRAIL	0 485	0.000	67190.453
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	7.239	0.000	20167.781
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	13.882	0.000	234907.469
TRAIL	SEMI-PRIMITIVE	TRAIL TRAIL	TRAIL ZONE	TRAIL TRAIL	1.461	0.000	23.203 110194.578
TRAIL TRAIL	SEMI-PRIMITIVE SEMI-PRIMITIVE	TRAIL TRAIL	TRAIL ZONE TRAIL ZONE	TRAIL	4.671 3.885	0.000	37625.750
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	4.323	0.000	140548.031
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	33.399	0.000	29487.656
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	ŤŔAIL	3.257	0.000	141128.516
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	7.239	0.000	199794.734
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE TRAIL ZONE		28.404 22.578	0.000 0.000	48300.516 128536.375
TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TRAIL	22.578 47.653	0.222	128536.375 8876.766
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	31.757	0.000	89529.188
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	61.561	0.000	29183.938
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	26.205	0.000	66416.469
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	35.434	0.000	17043.891
TRAIL TRAIL	SEMI-PRIMITIVE	TRAIL TRAIL	TRAIL ZONE TRAIL ZONE	TRAIL	3.060 24.855	0.000	233042.000 193329.000
THAIL	TRANSITION	TRAIL	TRAIL ZONE	TRAL	24.655	0.000	25168.125
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	6.504	0.000	73467.234
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	3.302	0.000	128292.500
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	31.386	0.000	78339.703
TRAIL	HIGH USE TRAIL	TRAIL	TRAIL ZONE	TRAIL TRAIL	5.954	0.000	4324.628 106276 750
TRAIL	TRANSITION TRANSITION	TRAIL TRAIL	TRAIL ZONE TRAIL ZONE	TRAIL	14.247	0.000	276939.938
TRAII							210000.000
TRAIL TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TRAIL	21.593	0.000	2968.125

AREA	PERIMETER	WORK_	WORK_ID	WINTER		WINTER_SYM	SUMMER_SYM	UNUSABLE_A
4635560.500	17441.543	126	101	WINTER		9	163	94.744
488639.281	3989.689	163		WINTER		9	163	65.836
6768674.000	26000.555	168		WINTER		9	163	490.415
1506246.875	8673.345	181		WINTER		9	163	62.499
17329706.000	27833.797	285		WINTER		9	163	1265.304
3872596.250	10706.032	180		WINTER		9	163	310.472
31200.094	627.163	189		WINTER		9	21	0.000
54859.781	1421.229	321			RESOURCE/REC		98	0.000
5513D.141	1560.055	330		WINTER		9	163	11.605
5639192.500	19798.252	333		WINTER		9	163	410.574
68030.219	2044.356	365		WINTER		9	163	0.000
9511804.000	23236.494	340		WINTER		9	179	1339.769
5003477.000	21019.709	345		WINTER		9	179	568.899
1053806.375	6374.234	361		WINTER		9	163	70.049
31073.484	626.729	352		WINTER		9	21	0.000
1800962.000	20344.307	12		WINTER		9	163	720.830
9246390.000	38705.484	216		WINTER		9	179	1030.343
19357.359	1378.018	8		WINTER		9	21	0.000
11282.313	794.091	17		WINTER		9	21	0.000
10131.281	717.466	20		WINTER		9	21	0.000
302091.656	19674.225	21		WINTER		9	21	0.000
68246.016	4432.112	23		WINTER		9	21	0.667
337036.938	21108.551	30		WINTER		9	21	0.000
166070.188	10700.065	32		WINTER		9	21	0.000
294507.313	18400.244	33		WINTER		9	21	0.000
16770889.000	31431.557	35		WINTER		9	21	0.000
232705.188	15290.525	51		WINTER		9	31	0.000
1958.688	190.485	52		WINTER		9	21	0.000
29229.969	1981.612	54		WINTER		9	21	0.000
56052.984	3646.727	57		WINTER		9	21	0.000
5898.828	462.765	63		WINTER		9	21	0.000
18859.422	1302.113			WINTER		9	21	0.000
15689.063	1093.270			WINTER		8	21	0.000
17455.750	1217.959	70		WINTER		9	21	0.000
134860.594	8867.997	74		WINTER		9	21	
13150.500	928.461	80		WINTER		9	21	0.000
29232.172	2006.929					9	21	
114693.375	7459.707	87		WINTER		9	21	0.000
91165.859	6044.627	93 95		WINTER		9	21	0.000
192417.031	12621.355 8425.709	97		WINTER		9 9	21	0.000
128232.563 248575.172	14779.335	97		WINTER		9	21	0.000
		104		WINTER		8		0.000
105812.703	6563.208 9279.475	104		WINTER		9	21 21	0.000
				WINTER				
12355.859	875.081 6667.187	110		WINTER		9	21	0.000
100363.078		114		WINTER		9	31	0.000
62399.906	4050.808	117		WINTER		9	21	0.000
26261.938	927.550	120		WINTER		9	21	0.000
126732 547	8434.526	120		WINTER		9	21	0.000
		124		WINTER			21	0.000
24040.594	1657.227	124				9	-	0.000
57526.359	3811.450			WINTER			31	
4500.234	367.715	142		WINTER		9	31	0.000
87190.453	5356.854	143 145		WINTER		9	31	0.000
20167.781	1386.486	145		WINTER		9	21	0.000
234907.469	14952.133	150		WINTER			21	
23.203	27.432 6882.311	152		WINTER		9	21	0.000
110194.578		154						
37525.750	2533,311	162		WINTER		9	21 31	0.000
140548.031	9298.745 1394.289	165		WINTER		9	21	0.000
29487.656								
141128.516	9133.633 12760.304	170 172		WINTER		9	21	0.000
		176		WINTER				0.000
48300.516 128536.375	3232.950 8484.987	164		WINTER		9	21 21	0.000
		164		WINTER				
8876.766 89529.188	641.293 5858.171	192		WINTER		9 9	21 21	0.000
29183.938	1957.285	192		WINTER		9	21	0.000
	4409.318	195		WINTER		9	21	0.000
66416.469 17043.891	4409.318	198		WINTER		9	21	0.000
233042.000	1191.517	199		WINTER		9	21	2.669
193329.000	12689.024	203		WINTER		9	21	2.009
25168.125	12689.024	205		WINTER		9	31	0.000
73467.234	4932.771	209		WINTER		9	21	0.000
128292.500	4932.771 8497.136	215		WINTER		9	21	0.000
78339.703	4791.136	225		WINTER		9	21	0.000
	344,606	235		WINTER		9	21	0.000
4324.828	344.606	239		WINTER		9	21	0.000
276939.938	18255.898	241		WINTER		9	21	0.000
2968.125	214.015	246		WINTER		9	21	0.000
2968.125	2032,772	240		WINTER		9	21	0.000
20011.041	1432.112	249	626	********		a	21	0.000

Unit	Zone Class	Туре	Unit Name			Adjusted Unuzsable Hide Usable Acres		PERIMETER W		WORK_ID WINTER	WINTER_SYM SI	JMMER_SYM &	JNUSABLE_A
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	58.176	0.000	4546.141	364.642	251	224 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	0.006	0.000	163782.031	10723.884	252	213 WINTER	9	21	22.464
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	27.290	0.000	346200.344	22569.691	259	186 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	9.293	0.000	110651.438	7359.105	263	243 WINTER	9	21	0.000
TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TRAIL	34.807	0.000	606858.750	39395.254	264	275 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	7.303	0.000	13999.625	921.927	267	484 WINTER	â	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	34.951	0.000	121.281	102.006	271	253 WINTER	9	21	0.000
TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TBAIL	49.480	0.000	155097.266	10011.861	273	247 WINTER	â	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	11.962	0.000	65451.938	3976.070	275	492 WINTER		21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	31.833	0.000	16679.813	1169.052	286	272 WINTER	å	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	2.198	0.000	33881.031	2289.019	289	493 WINTER	å	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TBAIL	22.172	0.000	194367.813	12281.999	290	277 WINTER		21	0.888
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	7.228	0.000	67450.563	4351.852	295	282 WINTER		31	0.000
TRAL	TRANSITION	TRAIL	TRAIL ZONE	TBALL	16.448	0.000	74360.750	4801.120	295	276 WINTER	8	23	0,000
				TRAIL							-		
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE		4.221	0.000	2953.766	250.571	301	498 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	57.714	2.675	183041.719	12013.139	304	289 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	47.879	0.000	70051.688	4674.391	310	294 WINTER	9	21	0.000
TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TRAIL	6.233	0.000	46344.219	3029.739	318	299 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	18.194	0.000	74572.016	4689.293	319	505 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	31.772	0.000	113012.109	7401.729	323	509 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	19.401	0.000	77723.344	5122.090	329	307 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	1.071	0.000	31095.344	2105.188	334	513 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	26.320	0.000	12585.463	737.968	335	312 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	68.585	0.000	115643.172	7680.386	336	313 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	0.735	0.000	15024.594	1043.277	341	318 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	7.433	0.000	259944.156	16985.752	346	323 WINTER	9	21	0.000
THAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	1.126	0.000	9497.000	685,909	348	325 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	40.561	22.512	4674.359	309,026	349	514 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	85.738	0.000	51222.641	3332.458	353	328 WINTER	à	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	27.403	0.000	35612.234	2404.975	354	329 WINTER		31	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	150.291	0.000	63259.078	4217.959	356	330 WINTER		21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TBAIL	3.467	0.000	190612.875	12147.682	358	331 WINTER	9	31	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	0.030	0.000	89247.391	5898.012	360	522 WINTER	°	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	38.410	0.000	32942.906	2249.228	364	337 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAL	16.209	0.000	30069.422	1963.377	368	340 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL		TRAL	4.131	0.000	8284.484	592,250	300	529 WINTER	a	31	0.000
			TRAIL ZONE								9		
TRAIL	SEMI PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	8.391	0.000	146143.281	9249.971	374 379	343 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	48.136	0.890	49089.688	3269.760		352 WINTER	9	21	0.000
TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TRAIL	16.704	0.000	2722619.000	11386.444	34	31 WINTER	9	163	158.571
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	18.416	0.000	5839391.000	17283.822	22	19 WINTER	9	183	610.504
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	0.732	0.000	31244.781	627.818	156	437 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	ŤRAL	TRAIL ZONE	TRAIL	45.331	0.000	1126440.250	7256.518	128	104 WINTER	9	163	3.781
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	17.497	0.000	6264899.000	15565.427	288	274 WINTER	9	163	380.971
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	11.477	0.000	20010274.000	31337.184	102	81 WINTER	9	163	1863.575
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	18.468	0.000	3081000.500	15434.289	294	281 WINTER	9	163	381.188
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	27.988	0.000	31158.655	627.015	53	384 WINTER	9	21	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	19.248	0.000	925545.7\$0	4549.367	214	187 WINTER	9	163	223.301
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	7.701	0.000	575833.938	3843.833	153	121 WINTER	9	163	8.008
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	3.117	0.000	9459364.000	15573.731	243	214 WINTER	9	163	853.395
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	28.639	0.000	152022.625	2184.587	132	108 WINTER	9	179	0.000
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	3.721	0.000	4511113.500	13757.848	139	113 WINTER	9	179	527,789
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	64.376	0.000	1046549.750	8000.680	283	264 WINTER	9	179	67.609
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	2.352	0.000	1265190.000	5575.688	73	59 WINTER	9	163	15,569
TBAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	1.158	0.000	8755749.000	17634.387	37	34 WINTER	9	163	681.699
TRAIL	SEMI-PRIMITIVE	TBAIL	TRAIL ZONE	TBAIL	12,685	0.000	5691.844	404 284	65	546 WINTER	9	163	0 000
TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TRAIL	8.820	0.000	1164757.000	9236.448	107	86 WINTER	9	163	2.444
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	15.666	0.000	6098422.000	23341.553	50	44 WINTER	9	163	293,130
TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TBAIL	47.206	0.000	6758864.000	17344.393	281	261 WINTER	5	163	695.451
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAL	22.102	0.000	97407.516	2018,799	254	226 WINTER	9	163	0.000
		TRAIL		TRAIL							9		
TRAIL	SEMI-PRIMITIVE		TRAIL ZONE		8.158	0.000	1075153.000	5489.957	256	232 WINTER	9	163	50.048
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	7.447	0.000	140142.484	1678.059	269	249 WINTER	a a	163	2.447
TRAIL	TRANSITION	TRAIL	TRAIL ZONE	TBAIL	2.052	0.000	6095416.500	20427.816	108	87 WINTER	9	163	96.293
TRAIL	SEMI-PRIMITIVE		TRAIL ZONE		36.193	0.000	31250.125	627.991	46	377 WINTER	9	21	7.671
TRAIL	SEMI-PRIMITIVE	TRAIL	TRAIL ZONE	TRAIL	12.157	0.000	135.313	58.447	337	314 WINTER	9	163	0.000

FRONT COUNTRY TRAIL CAPACITY

This section documents the analysis of the capacity of trails in activity areas outside the wilderness boundaries. It provides a description of the pedestrian level of service standards that were applied to determine the capacity of the trails. It also shows the characteristics of segments of the trails. The following page explains the content of each column in the spreadsheet that use used to calculate the capacity of the trails.

Maximum Day-Use - Non-wilderness (Front Country)

The following columns appear in the table used to calculate the capacity of non-wilderness trails:

- Name. The name of the trail. Most trails have several segments, all with the same name.
- Avg. Width. The average width of the walking surface of the trail.
- *Trail Area*. The activity area where the trail is located.
- Management Unit. The zone classification of the trail (all are non-wilderness).
- Length. Shows the length in miles of each segment of the trail from the GIS database. A total length is also shown. The total length was provided by the Mount Rainier Park staff. For unknown reasons, the sum of the trail segment lengths is generally much shorter than the actual trail length. The actual length provided by the park staff was used in the calculation of trail capacity.
- LOS A Capacity at Any One Time. Shows the number of people that can occupy the trail at one time while maintaining LOS A for pedestrians. LOS A requires 130 square feet per person. The number of people allowed at one time is, therefore, Avg. Width times Length divided by 130 square feet per person.
- Daily Use. Shows the estimated daily use of the trail. Estimated by Mount Rainier National Park staff.

Maximum Day-Use - Front Country Trails

Pedestrian LOS Definitions (Highway Capacity Manual)

Pedestrian Space >= 130 sq ft / pedestrian

"At walkway LOS A. pedestrians basically move in desired paths without altering their movements in response to other pedestrians. Walking speeds are freely selected, and conflicts between pedestrians are unlikely."

LOS B

Pedestrian Space >= 40 sq ft / pedestrian

"At LOS B, sufficient area is provided to allow pedestrians to freely select walking speeds, to bypass other pedestrians, and to avoid crossing conflicts with others. At this level, pedestrians begin to be aware of other pedestrians, and to respond to their presence in the selection of walking path."

Square footage of each trail segment was calculated using width information supplied by the Park. Where width was reported as a range, the mid point of the range was used for each segment. Using the above standards for LOS, the following estimates have been calculated for each Eront Country trail

NAME	AVG WIDTH	TRAIL AREA	MANAGEMENT UNIT	LENGTH (Miles)	LOS A CAPACITY AT ANY ONE TIME	DAILY USE
ALTA VISTA	5	Paradise	NONWILDERNESS	0.005	1.0	
ALTA VISTA	5	Paradise	NONWILDERNESS	0.062	12.6	
ALTA VISTA	5	Paradise	NONWILDERNESS	0.081	16.4	
ALTA VISTA	5	Paradise	NONWILDERNESS	0.031	6.3	
ALTA VISTA	5	Paradise	NONWILDERNESS	0.010	2.0	
ALTA VISTA	5	Paradise	NONWILDERNESS	0.037	7.5	
ALTA VISTA	5	Paradise	NONWILDERNESS	0.007	1.4	
ALTA VISTA	5	Paradise	NONWILDERNESS	0.041	8.3	
ALTA VISTA - TOTAL	5	Paradise	NONWILDERNESS	1.100	223.4	100 t
AVALANCHE LILLY	8	Paradise	NONWILDERNESS	0.007	2.3	
AVALANCHE LILLY	8	Paradise	NONWILDERNESS	0.003	1.0	
AVALANCHE LILLY	8	Paradise	NONWILDERNESS	0.002	0.6	
AVALANCHE LILLY	8	Paradise	NONWILDERNESS	0.001	0.3	
AVALANCHE LILLY - TOTAL	8	Paradise	NONWILDERNESS	0.300	97.5	100 t
BURROUGHS LOOP	4	Sunrise	NONWILDERNESS	0.094	15.3	
BURROUGHS LOOP	4	Sunrise	NONWILDERNESS	0.122	19.8	
JRROUGHS LOOP - TOTAL (Non-Wilderness)	4	Sunrise	NONWILDERNESS	0.750	121.8	80 t
DEADHORSE CREEK	6	Paradise	NONWILDERNESS	0.070	17.1	
DEADHORSE CREEK	6	Paradise	NONWILDERNESS	0.077	18.8	
DEADHORSE CREEK	6	Paradise	NONWILDERNESS	0.266	64.8	
DEADHORSE CREEK	6	Paradise	NONWILDERNESS	0.244	59.5	
DEADHORSE CREEK	6	Paradise	NONWILDERNESS	0.117	28.5	
DEADHORSE CREEK	6	Paradise	NONWILDERNESS	0.401	97.7	
DEADHORSE CREEK	6	Paradise	NONWILDERNESS	0.025	6.1	
DEADHORSE CREEK - TOTAL	6	Paradise	NONWILDERNESS	1.200	292.4	100 t
EASTSIDE TRAIL	4	Ohanapecosh	NONWILDERNESS	1.697	275.7	
EASTSIDE TRAIL	4	Ohanapecosh	NONWILDERNESS	0.644	104.6	
EASTSIDE TRAIL - TOTAL (Non-Wilderness)	4	Ohanapecosh	NONWILDERNESS	2.341	380.3	15 t
FOURTH CROSSING	3	Paradise	NONWILDERNESS	0.300	36.6	75 t
GLACIER VISTA	5	Paradise	NONWILDERNESS	0.200	40.6	150 t
GOLDEN GATE	5	Paradise	NONWILDERNESS	1.000	203.1	150 t
GROVE OF THE PATRIARCHS	6	Ohanapecosh	NONWILDERNESS	0.137	33.4	
GROVE OF THE PATRIARCHS	6	Ohanapecosh	NONWILDERNESS	0.163	39.7	40.
GROVE OF THE PATRIARCHS - TOTAL	6	Ohanapecosh	NONWILDERNESS	0.300	73.1	40 t
GUIDE HOUSE	8	Paradise	NONWILDERNESS	0.001	0.3	
GUIDE HOUSE	8	Paradise	NONWILDERNESS	0.012	3.9	
GUIDE HOUSE	8	Paradise	VISITOR FACILITY	0.003	1.0	
GUIDE HOUSE - TOTAL	8	Paradise	NONWILDERNESS	0.016	5.2	100 t
HIGH SKYLINE	5	Paradise	NONWILDERNESS	0.117	23.8	
HIGH SKYLINE	5	Paradise	NONWILDERNESS	0.165	33.5	
	~				- 3.0	

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HIGH SKYLINE HIGH SKYLINE - TOTAL	5	Paradise	NONWILDERNESS	LENGTH (Miles) 0.050	AT ANY ONE TIME 10.2	USE
		Paradise	NONWILDERNESS	0.800	162.5	100 t
HOT SPRINGS	6	Ohanapecosh	VISITOR FACILITY	0.300	73.1	50 t
KAUTZ CREEK (Non-Wilderness)	3	Kautz	NONWILDERNESS	0.027	3.3	60 t
KAUTZ CREEK OVERLOOK	6	Kautz	NONWILDERNESS	0.100	24.4	100 t
LAUGHINGWATER CREEK (Non-wilderness)	5	Ohanapecosh	NONWILDERNESS	0.099	20.1	5 t
LOWER LAKES (Non-Wilderness)	3	Paradise	NONWILDERNESS	1.100	134.0	25 t
MORAINE	2	Paradise	NONWILDERNESS	0.500	40.6	25 t
MOWICH ACCESS	6	Mowich	NONWILDERNESS	0.023	5.6	t
NACHES LOOP (Non-Wilderness)	4	Tipsoo Lake	NONWILDERNESS	0.400	65.0	30 t
NARADA FALLS	5	Paradise	NONWILDERNESS	0.800	162.5	100 t
NISQUALLY VISTA	6	Paradise	NONWILDERNESS	0.645	157.2	
NISQUALLY VISTA	6	Paradise	NONWILDERNESS	0.255	62.1	
NISQUALLY VISTA - TOTAL	-	Paradise	NONWILDERNESS	0.900	219.3	100 t
PEBBLE CREEK	3	Paradise	NONWILDERNESS	0.600	73.1	150 t
PINNACLE PEAK (Non-Wilderness)	6	Paradise	NONWILDERNESS	0.202	49.2	50 t
RAINFOREST LOOP	5	Carbon River	NONWILDERNESS	0.001	0.2	
RAINFOREST LOOP	5	Carbon River	NONWILDERNESS	0.022	4.5	
RAINFOREST LOOP	5	Carbon River	NONWILDERNESS	0.027	5.5	
RAINFOREST LOOP - TOTAL	Ť	Carbon River	NONWILDERNESS	0.050	10.2	40 t
S.E. BOUNDARY TRAIL (Non-Wilderness)	2	Ohanapecosh	ADMINISTRATIVE	0.142	11.5	2 t
SILVER FALLS LOOP	6	Ohanapecosh	NONWILDERNESS	0.295	71.9	
SILVER FALLS LOOP	6	Ohanapecosh	NONWILDERNESS	0.990	241.3	
SILVER FALLS LOOP	6	Ohanapecosh	NONWILDERNESS	1.262	307.5	
SILVER FALLS LOOP	6	Ohanapecosh	NONWILDERNESS	0.153	37.3	
SILVER FALLS LOOP - TOTAL		Ohanapecosh	NONWILDERNESS	2.700	658.0	50 t
SKYLINE	6	Paradise	NONWILDERNESS	0.037	9.0	
SKYLINE	6	Paradise	NONWILDERNESS	0.113	27.5	
SKYLINE	6	Paradise	NONWILDERNESS	0.014	3.4	
SKYLINE	6	Paradise	NONWILDERNESS	0.119	29.0	
SKYLINE	6	Paradise	NONWILDERNESS	0.031	7.6	
SKYLINE	6	Paradise	NONWILDERNESS	0.082	20.0	
SKYLINE	6 6	Paradise Paradise	NONWILDERNESS NONWILDERNESS	0.054 0.047	13.2 11.5	
	6	Paradise	NONWILDERNESS	0.009	2,2	
SKYLINE SKYLINE	6	Paradise	NONWILDERNESS	0.024	5.8	
SKYLINE	6	Paradise	NONWILDERNESS	0.011	2.7	
SKYLINE	6	Paradise	NONWILDERNESS	0.025	6.1	
SKYLINE	6	Paradise	NONWILDERNESS	0.017	4.1	
SKYLINE	6	Paradise	NONWILDERNESS	0.067	16.3	
SKYLINE	6	Paradise	NONWILDERNESS	0.006	1.5	
SKYLINE	6	Paradise	NONWILDERNESS	0.060	14.6	
SKYLINE	6	Paradise	NONWILDERNESS	0.040	9.7	
SKYLINE	6	Paradise	NONWILDERNESS	0.001	0.2	
SKYLINE	6	Paradise	NONWILDERNESS	0.050	12.2	
SKYLINE SKYLINE	6 6	Paradise Paradise	NONWILDERNESS NONWILDERNESS	0.025 0.004	6.1 1.0	
SKYLINE	6	Paradise	NONWILDERNESS	0.001	0.2	
SKYLINE	6	Paradise	NONWILDERNESS	0.014	3.4	
SKYLINE	6	Paradise	NONWILDERNESS	0.105	25.6	
SKYLINE	6	Paradise	NONWILDERNESS	0.076	18.5	
SKYLINE - TOTAL	6	Paradise	NONWILDERNESS	6.000	1,462.2	400 t
SOURDOUGH RIDGE	6	Sunrise	NONWILDERNESS	0.285	69.5	
SOURDOUGH RIDGE	6	Sunrise		0.762	185.7	
SOURDOUGH RIDGE SOURDOUGH RIDGE - TOTAL	6 6	Sunrise Sunrise	NONWILDERNESS NONWILDERNESS	0.163 4.000	39.7 487.4	100 t
TIPSOO LAKE TIPSOO LAKE	5 5	White River White River	NONWILDERNESS	0.224 0.029	45.5 5.9	

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					LOS A CAPACITY	DAILY
NAME	AVG WIDTH	TRAIL AREA	MANAGEMENT UNIT	LENGTH (Miles)	AT ANY ONE TIME	USE
	5	White River	NONWILDERNESS	0.029	5.9	
TIPSOO LAKE	5	White River	NONWILDERNESS	0.012	2.4	
TIPSOO LAKE	5	White River	NONWILDERNESS	0.047	9.5	
TIPSOO LAKE	5	White River	NONWILDERNESS	0.023	4.7	
TIPSOO LAKE	5	White River	NONWILDERNESS	0.041	8.3	
TIPSOO LAKE - TOTAL	5	White River	NONWILDERNESS	1.000	203.1	50 t
TRAIL OF THE SHADOWS	7	Longmire	NONWILDERNESS	0.009	2.6	
TRAIL OF THE SHADOWS	7	Longmire	NONWILDERNESS	0.148	42.1	
TRAIL OF THE SHADOWS	7	Longmire	NONWILDERNESS	0.086	24.5	
TRAIL OF THE SHADOWS - TOTAL	7	Longmire	NONWILDERNESS	0.700	69.1	70 t
WATERFALL	8	Paradise	NONWILDERNESS	0.000	-	
WATERFALL	8	Paradise	NONWILDERNESS	0.021	6.8	
WATERFALL	8	Paradise	NONWILDERNESS	0.021	6.8	
WATERFALL	8	Paradise	NONWILDERNESS	0.006	1.9	
WATERFALL - TOTAL	8	Paradise		0.400	130.0	100 t
WONDERLAND - SUNRISE TO WHITE RIVER	3	Sunrise	NONWILDERNESS	0.852	103.8	
WONDERLAND - SUNRISE TO WHITE RIVER		Sunrise	NONWILDERNESS	0.141	17.2	
WONDERLAND - SUNRISE TO WHITE RIVER		Sunrise	NONWILDERNESS	0.118	14.4	
WONDERLAND - SUNRISE TO WHITE RIVER		Sunrise	NONWILDERNESS	0.054	6.6	
WONDERLAND - TOTAL (Non-Wilderness)		Sunrise	NONWILDERNESS	1.165	142.0	90 t
				TOTAL	5,680.0	2,607

NOTES: 1. Daily use for miscellaneous Paradise Lower Meadow Trails (Guide House, Avalance Lily, Waterfall Trail, Nisqually Vista, Alta Vista, and Deadhorse Creek) is an estimate of 600 people per day (averaged to 10 per trail) as provided by the park.

ATTACHMENT I

MOUNT RAINIER NATIONAL PARK BACMEOUNTRS CAMP3\$ZAT98

NAME	LIMITS	PERMITS ISSUED	AVAILABLE
		Parties People	-Night of 03/29-
CARBON GLACIER ALPIN			3 Parties
CAMP HAZARD ALPINE	Unlimited		OK
COLONADES ALPINE	2 Parties		2 Parties
CRESCENT LAKE	2 Parties		2 Parties
THUMB ROCK ALPINE	Unlimited		OK
DISAPPOINTMENT CLEAV	Unlimited		OK 24 December
EMMONS/WINTHROP	24 People		24 People
EMMONS FLAT	24 People 2 Parties		24 People 2 Parties
GOAT ISLAND MOUTAIN			36 People
INGRAHAM FLATS	36 People 2 Parties		2 Parties
INTER GLACIER	Unlimited		OK
KAUTZ ALPINE LITTLE TAHOMA	2 Parties		2 Parties
MOTHER MOUNTAIN	2 Parties 2 Parties		2 Parties
MOTHER MOONTAIN MOUNT RUTH	2 Parties		2 Parties
MUIR SNOW FIELD	36 People		36 People
NISQUALLY ALPINE	Unlimited		OK SG 100F20
OLD DESOLATE	2 Parties		2 Parties
PTARMIGAN RIDGE	3 Parties		3 Parties
SARVENT ALPINE	1 Parties		1 Parties
SUMMIT	Unlimited		OK
TOKALOO SPIRE	3 Parties		3 Parties
BERKELEY PARK	4 Ind 0 Group		4 Ind 0 Group
CAMP CURTIS	2 Ind 0 Group		2 Ind 0 Group
CAMP MUIR	110 People	1 2	108 People
CARBON RIVER	4 Ind 0 Group		4 Ind 0 Group
CAMP SCHURMAN	48 People		48 People
CATARACT VALLEY	6 Ind 1 Group		6 Ind 1 Group
COUGAR ROCK WALK-IN	Closed		Closed
DICK CREEK	2 Ind 0 Group		2 Ind 0 Group
DEVIL'S DREAM	7 Ind 1 Group		7 Ind 1 Group
DICK'S LAKE	1 Ind 0 Group		1 Ind 0 Group
DEER CREEK	2 Ind 0 Group		2 Ind 0 Group
EAGLE'S ROOST	7 Ind 0 Group		7 Ind 0 Group
FIRE CREEK	3 Ind 1 Group		3 Ind 1 Group
FOREST LAKE	1 Ind 0 Group		1 Ind 0 Group
GLACIER BASIN	5 Ind 1 Group		5 Ind 1 Group
GRANITE CREEK	2 Ind 1 Group		2 Ind 1 Group
GOLDEN LAKES	5 Ind 1 Group		5 Ind 1 Group
INDIAN BAR	3 Ind 1 Group		3 Ind 1 Group 10 Ind 2 Group
IPSUT CAMPGROUND	10 Ind 2 Group		Closed
IPSUT CREEK WALK-IN	Closed		0 Ind 1 Group
BC CABIN LAKE JAMES	0 Ind 1 Group		4 Ind 0 Group
KLAPATCHE PARK	4 Ind 0 Group 2 Ind 0 Group		2 Ind 0 Group
LOWER CRYSTAL LAKE LAKE ELEANOR	2 Ind 0 Group 3 Ind 1 Group		3 Ind 1 Group
LAKE GEORGE	5 Ind 1 Group 5 Ind 1 Group		5 Ind 1 Group
MAPLE CREEK	4 Ind 1 Group		4 Ind 1 Group
MYSTIC CAMP	7 Ind 2 Group		7 Ind 2 Group
MOWICH RIVER	4 Ind 1 Group		4 Ind 1 Group
MOWICH LAKE CAMPGRND	Unlimited		OK
NICKEL CREEK	3 Ind 1 Group		3 Ind 1 Group
NORTH PUYALLUP CAMP	3 Ind 1 Group		3 Ind 1 Group
OLALLIE CREEK	2 Ind 1 Group		2 Ind 1 Group
	_		

MOUNT RAINIER NATIONAL PARK BECKEOUNTRY CAMP3\$22798

NAME	LIMITS	PERMITS ISSUED	AVAILABLE
OHANAPECOSH WALK-IN PARADISE WALK-IN PYRAMID CREEK PARADISE RIVER REDSTONE CAMP SUMMERLAND CAMP SNOW LAKE SOUTH PUYALLUP RIVER SHRINER'S PEAK SUNRISE TAMANOS CREEK THREE LAKES UPPER CRYSTAL LAKE UPPER PALISADES LAKE WHITE RIVER WALK-IN YELLOWSTONE CLIFFS ICE CAVES BASIN MAZAMA RIDGE WINTER PARADISE AREA WINTER REFLECT. LAKE WINTER REFLECT. LAKE WINTER WINTER VAN TRUMP PRK ALKI CREST BURNT PARK CARBON RIVER FOREST CHENUIS LAKES COWLITZ PARK CRYSTAL MOUNTAIN LOWER CURTIS RIDGE DEADWOOD LAKES ELYSIAN FIELDS FRYINGPAN GOVE PEAK GRAND PARK GRAND PARK GOVERNORS RIDGE HUCKLEBERRY PARK MINERAL MOUNTAIN MIST PARK NISQUALLY FOREST NORTHERN LAKES OH-NAPECOSH PARK	Closed 3 Ind 0 Group 2 Ind 0 Group 3 Ind 1 Group 5 Ind 1 Group 4 Ind 1 Group 4 Ind 1 Group 4 Ind 1 Group 2 Ind 0 Group 8 Ind 2 Group 4 Ind 1 Group 2 Ind 0 Group 2 Ind 0 Group 2 Ind 0 Group 3 Ind 1 Group 2 Ind 0 Group 3 Ind 1 Group 2 Ind 0 Group 4 Ind 1 Group 2 Ind 0 Group 3 Ind 1 Group 4 Ind 1 Group 5 Ind 0 Group 5 Ind 1 Group 5 Ind 0 Group 5 Ind 1 Group 6 Ind 1 Group 6 Ind 1 Group 6 Ind 1 Group 6 Ind 1 Group 7 Ind 0 Group 8 Ind 1 Group 6 Ind 1 Group 7 Ind 0 Group 8 Ind 1 Group 9 Ind 1 Group	PERMITS ISSUED Parties People	-Night of 03/29- Closed 3 Ind 0 Group 2 Ind 0 Group 3 Ind 1 Group 2 Ind 0 Group 5 Ind 1 Group 4 Ind 1 Group 2 Ind 0 Group 8 Ind 2 Group 4 Ind 1 Group 2 Ind 0 Group 2 Ind 0 Group 2 Ind 0 Group 3 Ind 1 Group 2 Ind 0 Group 3 Ind 1 Group 2 Ind 0 Group 0 K 0 K 0 K 2 Parties 2 Parties 3 Parties 2 Parties 3 Parties 2 Parties 3 Parties
GREEN PARK GOVERNORS RIDGE HUCKLEBERRY PARK MINERAL MOUNTAIN MIST PARK NISQUALLY FOREST	2 Parties 1 Parties 2 Parties 3 Parties 2 Parties Unlimited		2 Parties 1 Parties 2 Parties 3 Parties 2 Parties OK
OHPNAPECOSH PARK PACIFIC CREST FOREST LOWER PALISADES PYRAMID PEAK SEATTLE PARK SKYSCRAPER MOUNTAIN SLIDE MOUNTAIN SOUTHERN SPRAY PARK STEVEN'S RIDGE	3 Parties Unlimited 2 Parties 5 Parties 2 Parties 3 Ind 0 Group 2 Parties 3 Parties 3 Parties		3 Parties OK 2 Parties 5 Parties 2 Parties 3 Ind 0 Group 2 Parties 3 Parties
SUNSET PARK TAMANOS MOUNTAIN TATOOSH RANGE TYEE PEAK	3 Parties 1 Parties 5 Parties 2 Parties		3 Parties 1 Parties 5 Parties 2 Parties

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MOUNT RAINIER NATIONAL PARK BACGEOUNTRY CAMP3\$22798

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NAME	LIMITS	PERMITS ISSUED	AVAILABLE
WHITE RIVER PARK	3 Parties	Parties People	-Night of 03/29- 3 Parties
ATTACH WENT # 2

MOUNT RAINIER NATIONAL PARK BACKCOUNTRY PERMITS ISSUED 1997: All YEAR DISTRICT: ALL

									NIG
CAMP			TOTAL	TOTAL	CAMPER	AVG	AVG	NIGHTS	OVE
<u>CODE</u>	CAMP NAME	DIST	PARTIES			SIZE	STAY	FILLED	
							_		
	CARBON GLACIER ALPIN	С	36	107	149	2.97	1.39	1	4
	CAMP HAZARD ALPINE	Ρ	181	695	1120	3.84	1.61	0-	£
	COLONADES ALPINE	L	8	26	47	3.25	1.81	2	Ç
	CRESCENT LAKE	C	4	7	7	1.75	1.00	Ø	٤
	THUMB ROCK ALPINE	М	6 6	175	199	2.65	1.14	0	0
	DISAPPOINTMENT CLEAV	Ρ	4	12	12	3.00	1.00	9	6
_ AE/W	EMMONS/WINTHROP	5	31	184	279	5.94	1.52	2	ĩ
	EMMONS FLAT	ч	71	303	500	4.27	1.65	6	i .
AGOA	GOAT ISLAND MOUTAIN	5	6	13	17	2.17	1.31	0	£
AING	INGRAHAM FLATS	P	186	809	1135	4.35	1.40	6	6
aint	INTER GLACIER	ш	28	128	148	4.57	1.15	10	ନ
AKAU	KAUTZ ALPINE	P	116	402	608	3.47	1.51	ø	Q
T ALIT	LITTLE TAHOMA	W	25	107	124	4.28	1.15	6	Q
АМОТ	MOTHER MOUNTAIN	С	13	26	32	2.00	1.23	3	Q
AMOU	MOUNT RUTH	W	5	10	12	2.00	1.20	2	e
AMUI	MUIR SNOW FIELD	Ρ	176	644	737	3.66	1.14	3	2
ANIS	NISQUALLY ALPINE	Ρ	71	280	320	3.94	1.14	Ø.	Ŷ
AOLD	OLD DESOLATE	С	1	2	2	2.00	1.00	0	¢
APTA	PTARMIGAN RIDGE	С	29	74	94	2.55	1.27	5	0
ASAR	SARVENT ALPINE	น	9	24	33	2.67	1.38	11	Ø
💼 ASUM	SUMMIT	Р	45	159	249	3.53	1.57	0	Ø
ATOK	TOKALOO SPIRE	L	41	157	405	3.83	2.58	4	1
	BERKELEY PARK	W	135	324	400	2.40	1.23	25	1
 8000	CÁMP CURTIS	ы	22	75	95	3.41	1.27	7	Ø
BCCM	CAMP MUIR	Ρ	1300	4255	6848	3.27	1.61	10	6
BCCR	CARBON RIVER	С	167	352	380	2.11	1.08	16	Ø
BCCS	CAMP SCHURMAN	ы	315	1134	2181	3.59	1.92	6	6
BCCV	CATARACT VALLEY	С	121	320	337	2.64	1.05	1	Ø
BCCW	COUGAR ROCK WALK-IN	L	4	14	19	3.50	1.36	0	0
BCOC	DICK CREEK	С	72	158	175	2.19	1.11	22	ହ
💼 8CDD	DEVIL'S DREAM	Ļ	305	731	816	2.40	1.12	10	Ø
BCOL	DICK'S LAKE	ω	24	49	51	2.04	1.04	24	Ø
BCBR	DEER CREEK	0	65	135	164	2.08	1.21	23	0
BCER	EAGLE'S ROOST	C	158	388	486	2.46	1.25	9	0
BCFC	FIRE CREEK	ы	42	97	109	2.31	1.12	1	ø
BCFL	FOREST LAKE	ы	14	32	35	2.29	1.09	14	Ø
BCGB	GLACIER BASIN	W	328	1021	1255	3.11	1.24	30	1
BCGC	GRANITE CREEK	ш	108	272	281	2.52	1.03	19	Ø
8CGL	GOLDEN LAKES	L	202	477	546	2.35	1-14	8	1
BCIB	INGIAN BAR	a	188	445	484	2.37	1_09	34	7
	IPSUT CAMPGROUND '	C	280	813	1072	2.90	1.32	2	1
	IPSUT CREEK WALK-IN	С	0	0	0	.00	_00	0-	ଡ
	BC CABIN LAKE JAMES	ы	、 7	53	66	7.57	1.25	7	1
	KLAPATCHE PARK	L	154	330	358	2.14	1.08	17	Ø
	LOWER CRYSTAL LAKE	ы	47	121	148	2.57	1.22	15	1
	LAKE ELEANOR	ы	32	94	124	2.94	1.32	<u>o</u> -	0
	LAKE GEORGE	L	135	336	436	2.49	1.30	4	ତ
BCMC	MAPLE CREEK	P	170	403	441	2.37	1.09	9	0
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MOUNT RAINIER NATIONAL PARK BACKCOUNTRY PERMITS ISSUED 1997: ALL YEAR DISTRICT: ALL

_										NTOU
C.A	ам ю			TOTAL	TOTAL	CAMPER	AVG	AVG	NIGHTS	NIGH Ove
		CAMP NAME	DIST	PARTIES	. –		SIZE	STAY	FILLED	
		CAME NAME								
B	2 M I	MYSTIC CAMP	С	287	715	792	2.49	1.11	7	0
		MOWICH RIVER	C	113	341	405	3.02	1.19	1	0
	CMW		C	350	975	1168	2.79	1.20	0	8
		NICKEL CREEK	0	176	402	425	2.28	1.05	15	2
	INP	NORTH PUYALLUP CAMP	L	91	262	265	2.88	1.01	3	8
		OLALLIE CREEK	0	60	142	152	2.37	1.07	6	6
		OHANAPECOSH WALK-IN	0	1	2	2	2.00	1.00	0	8
		PARADISE WALK-IN	P	24	38	66	1.58	1.74	0	Q
		PYRAMID CREEK	L	118	243	279	2.05	1.15	43	2
		PARADISE RIVER	Р	178	384	441	2.16	1.15	20	Ø
		REDSTONE CAMP	¥	46	94	111	2.04	1.18	11	1
		SUMMERLAND CAMP	$\mathbf{\omega}$	281	678	791	2.41	1.17	22	7
		SNOW LAKE	Р	143	298	332	2.08	1.11	_ 61	Ø
		SOUTH PUYALLUP RIVER	L	165	398	434	2.41	1.09	7	S
		SHRINER'S PEAK	0	37	73	87	1.97	1.19	9	3
		SUNRISE	W	273	662	919	2.42	1.39	11	0
80	стс	TAMANOS CREEK	$\mathbf{\omega}$	62	157	171	2.53	1.09	4	õ
		THREE LAKES	0	21	54	62	2.57	1.15	Ø-	0
		UPPER CRYSTAL LAKE	ы	70	165	205	2.36	1.24	31	1
BC	UP	UPPER PALISADES LAKE	W	53	125	170	2.36	1.36	21	1
80	ะแพ	WHITE RIVER WALK-IN	М	46	133	163	2.89	1.23	0	0
80	CYC	YELLOWSTONE CLIFFS	C	38	84	103	2.21	1.23	12	1
ីឃា	ΕCΞ	ICE CAVES BASIN	9	3	7	16	2.33	2.29	0-	Ø
្រា	1 A Z	MAZAMA RIDGE WINTER	ρ	54	185	206	3.43	1.11	0	C
ωF	AR	PARADISE AREA WINTER	P	313	2011	2211	6.42	1.10	0	Ø
🛛 🗤	REF	REFLECT. LAKE WINTER	ρ	87	270	339	3.10	1.26	0	Ø
W۷	AN	WINTER VAN TRUMP PRK		6	12	18	2.00	1.50	0	8
XA	A L K	ALKI CREST	Ċ	2	4	4	2.00	1.00	0	Ø
XE	BUR	BURNT PARK	4	1	4	4	4.00	1.00	0	0
ХC	AR	CARBON RIVER FOREST	С	8	13	20	1.63	1.54	0	0
XC	ΉE	CHENUIS LAKES	c	1	5	15	5.00	3.00	Ø	0
XC	:ow	COWLITZ PARK	0	20	42	59	2.10	1.40	0	· 0
XC	RY	CRYSTAL MOUNTAIN	ы	0	0	0	. 00	.00	0.	Ø
		LOWER CURTIS RIDGE	С	23	57	69	2.48	1.21	2	1
XC	A 3 (DEADWOOD LAKES	5	2	3	3	1.50	1.00	Ø.	0
		ELYSIAN FIELDS	С	5	15	37	3.00	2.47	3	Ø
		FRYINGPAN	ы	13	30	30	2.31	1.00	12	. 0
		GOVE PEAK	C	0	0	8	.00	. 00	Ø	0
		GRAND PARK	М	28	59	82	2.11	1.39	1	ø
XG	BRE	GREEN PARK	ы	17	49	79	2.88	1.61	6	0
		GOVERNORS RIDGE	0	0	0	9	.00	.00	0-	`& @
		HUCKLEBERRY PARK	W	1	2	2	2.00	1.00	Ø-	0 -0-
		MINERAL MOUNTAIN	C	4	9	17	2.25	1.89	0-	-0- -0-
		MIST PARK	C	3	9	12	3.00	1.33	0-	0
		NISQUALLY FOREST	L	72	154	205	2.14	1.33	0	9 9
		NORTHERN LAKES	ы С	4	11	13 39	2.75 1.93	1.18	0	6 2
		OHANAPECOSH PARK	0	15	29 30	39	2.31	1.34 1.20	1	`0'
7 X P	AC	PACIFIC CREST FOREST	0	13	20		5. • J L	1.20	0	U.

MOUNT RAINIER NATIONAL PARK BACKCOUNTRY PERMITS ISSUED 1997: ALL YEAR DISTRICT: ALL

										NIGH
	CAMP			TOTAL	TOTAL	CAMPER	AVG	AVG	NIGHTS	QVE
	<u>2002</u>	CAMP NAME	DIST	PARTIES	PEOPLE	NIGHTS_	SIZE	- STAY	FILLED	BOOK
_										
_	XPAL	LOWER PALISADES	ы	3	6	6	2.00	1.00	0 -	0
	XPYR	PYRAMID PEAK	L	39	99	137	2.54	1.38	0 -	0-
	XSEA	SEATTLE PARK	C	10	25	37	2.60	1.42	2	ø
	XSKY	SKYSCRAPER MOUNTAIN	М	8	20	21	2.50	1.05	1	ø
	XSLI	SLIDE MOUNTAIN	W	4	7	7	1.75	1.00	ð.	0
	XSOU	SOUTHERN SPRAY PARK	С	22	56	63	2.55	1.13	4	0
	XSTE	STEVEN'S RIDGE	Р	5	10	13	2.00	1.30	. 0-	Ø
-	XSUN	SUNSET PARK	L	11	22	29	2.00	1.32	a-	ø
	XTAM	TAMANOS MOUNTAIN	ш	3	6	8	2.00	1.33	3	ø
	XTAT		Р	59	121	150	2.05	1.24	o	Ø
	XTYE	TYEE PEAK	Ċ	3	5	5	1.67	1.00	8	ø
		VERNAL PARK	С	1	2	4	2.00	2.00	9	0
		WHITE RIVER PARK	ω	4	5	7	1.25	1.40	. 8	0-
									<u> </u>	
		•								
		TOTALS				35093			693	60
	1	TOTAL PERMITS ISSUE]:	5,05	55					

IUIME	FERMING ISSUED:	0,000
TOTAL	BACKCOUNTRY CAMPERS:	18,482
TOTAL	CAMPER NIGHTS:	35,093
AVERAG	SE PARTY SIZE:	3.05
AVERAG	SE LENGTH OF STAY:	1.90

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CROSSCOUNTRY ZONES

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					لالالعك		- CALLY -				
		Est. 7									
		per d	-		Overn	light	# in	Length		Hide	
		<u>M-E</u>	<u>SS</u>	Limits	<u>Total</u>	Range		of stay	Demand	Factor	<u>Access</u>
XALK	Alki Crest	2	4	2	24	6 - 47	2.1	1.2	L	2	THML
XBUR	Burnt Park	~2	<2	2	10	0 - 20	3	1	L	4	THSP
XCAR	Carbon River For	10	30	uni	51	14 - 150	2.2	1.2	М	5	THML THIC THPP
XCHE	Chenuis Lakes	<2	<2	2	9	0 - 20	1.2	1.2	L	2	THIC THSU
XCOW	Cowlitz Park	5	10	3	98	47 - 182	2.5	1.2	М	3	THBC THOC, THFC
XCRY	Crystal Mountain	5	10	2	28	2 - 65	2.0	1.5	М	2	THCC THCP
XCUR	Lower Curtis Ridge	5	10	2	129	72 - 169	2.2	1.2	М	2	THSU THIC
XDEA	Deadwood Lakes	2	5	2	31	9 - 58	2.5	1.2	М	4	THCP
XEYS	Elysian Fields	2	5	2	27	6 - 55	1.9	1.6	М	2	THSU THIC
XFRY	Fryingpan	10	30	1	40	20 - 67	2.0	1.2	Н	2	THEC THOC THBC
XGOV	Gove Peak	<2	<2	2	8	3 - 22	3.0	1.2	L	2	THPP THML
XGRA	Grand Park	5	20	3	132	96 - 181	2.4	1.4	Н	3	THSU THLE
XGRE	Green Park	2	10	2	60	37 - 93	2.4	1.6	М	2	THSP
XGVR	Governors Ridge	<2	<5	1	4	0 - 8	2.6	1	L	3	THOL THDC
XHUC	Huckleberry Park	2]	`5	2	14	5 - 35	1.8	1.3	L	3	THSU
XMIN	Mineral Mountain	5	10	3	78	32 - 168	2.0	1.2	М	3	THSU THIC
XMIS	Mist Park	5	10	2	27	2 - 62	2.1	1.6	М	2	THSU THIC
XNIS	Nisqually Forest	15	30	unt	105	32 - 256	2.2	1.2	М	5	THWS THKC THLO
XNOR	Northern Lakes	2	10	3	92	35 - 165	3	1.7	L	4	THWF THSU THIC
XOHA	Ohanapecosh Park	5	25	3	123	38 - 243	2.3	1.2	Н	2	THFC THBC THOC
XPAC	Pacific Crest Forest	5	30	unl	178	103 - 384	2.5	1.3	M	5	ALL EASTSIDE
XPAL	Lower Palisades	2	5	2	47	9 - 90	2.2	1.2	Ł	3	THSP
XPYR	Pyramid Peak	10	20	5	200	102 - 293	2.2	1.2	Н	3	THKC THLO
XSEA	Seattle Park	5	10	2	76	31 - 122	2.4	1.2	М	2	THSU THIC
XSKY	Skyscraper Mtn	5	30	2	64	3 9 - 88	2.4	1.1	Н	2	THSU THIC
XSLI	Slide Mountain	<2	న	2	21	3 - 38	2.1	1.1	٤	3	THSP
XSOU	Southern Spray Pk	30	50	2	232	160 - 327	2.8	1.6	Н	3	THSU THIC THML
XSTE	Steven's Ridge	2	5	3	26	8 - 66	1.6	1.5	L	3	ТНРА ТНВС
XSUN	Sunset Park	2	4	3	60	18 - 103	2.3	2.0	L	3	THLO THML
XTAM	Tamanos Mtn	2	10	1	11	7 - 18	1.8	1.6	М	3	THOL THDC
XTAT	Tatoosh Range	10	20	5	120	78 - 182	2.2	1.4	Н	3	THRL THLO THBC
XTYE	Tyee Peak	2	5	2	22	10 - 51	2.5	1.3	L	1	THIC THWF THSU
XVER	Vernal Park	2	5	2	9	2 - 34	2.1	1.3	L	2	Thsu thic
XWHI	White River Park	5	20	3	42	10 - 80	2.0	1.3	M	3	THSP
MF =	Monday - Friday $SS = S$	aturday	s and	Sundays	,	Total users pe	er day ar	e estimates.	Access: S	Standard tra	ilhead codes.

MF = Monday - FridaySS = Saturdays and SundaysTotal users per day are estimates.Access: Standard trailhead contrained on the set of the set

Wilderness Visitor Use

Climbing Zones

1. Estimated total visitor numbers (overnight and day use) in the mgt. unit or zone on the route per day.

Alpine Zones:	Per Dav	Overnight	Average Stav	Party Size
ACAR - Carbon Glacier:	1	3	2	3
ACCH - Camp Hazard:	2	425	1	3
ACOL - Colonades	.5	4	2	2
ACRE - Crestent Lake	.5	20	1	3
ACTH - Thumb Rock:	.45	6 <u>5</u>	1	3
ADIS - Dis. Cleaver:	14	26	1	3
AE/W - Emmons/Winthrop:	3.5	120	2	3
AEMM- Emmons Flats:	1.7	650	2	3
AGOA - Goat Is. Mountain	.5	17	2	2
AING - Ingraham Flats:	1.5	520	1	3
AINT - Inter Glacier:	4.3	60	1	3
AKAU - Kautz:	2	340	2	3
ALIT - Little Tahoma:	.35	95	I	3
AMOT - Mother Mountain	.3	28	1	2
AMOU - Ruth Mountain:	.2	82	1	2
AMUI - Muir Snowfield:	27	300	1	3
ANIS - Nisqually:	1.2	460	1	6
AOLD - Old Desolate	.2	26	1	2
APTA - Ptarmigan Ridge	1.5	175	2	3
ASAR - Sarvent	.3	40	1	2
ASUM - Alpine Summit:	13	60	1	3
ATOK - Tokaloo Spire	1	125	1	2

2. <u>Guestimate as to whether we are out of standard, near standard, or below standard given the</u> zone that has been applied to the mgt. unit or zone. Unknown

3. Whether the mgt. unit is high demand or low demand and why.

AMUI - Muir Snowfield ADIS - Disappointment Cleaver AE/W - Emmons/Winthrop AINT - Inter Glacier ASUM - Alpine Summit

These units listed above are in high demand because they are the main access points to the upper mountain for climbers. Also the Muir snowfield and the Inter Glacier are high day-use areas popular with hikers and skiers during the summer months.

The low demand units are more remote and are either difficult to assess because of steep trailless routes or take several days of travel over rough terrain to access.

4. % of day users that are mountaineering vs just regular sight-seers; of the mountaineers, give the % that are guided vs independent.

The number of day users over the summer months, during the peak climbing season is approximately 3,500.

90 % are mountaineers that visit and use the alpine zones vs sight-seers. Approximately 50% use the guide service for a one day snow school and the rest are large organized groups that either do a day climb of peaks within the park or practice crevasse rescue on the Nisqually Glacier (ANIS).

5. Number of visitors who stay overnight in the mgt. unit or at a camp and average length of stay and party size. (see number 1 above)

6. The most common access routes/points into and out of the mgt. unit or trail/route.

The most common access to the alpine zones is through the trail zones at Paradise and the White River area, including the Campground. The majority of visitors to the two most popular routes use the Muir Snowfield (AMUI) and the Inter Glacier (AINT). The next most popular is Carbon Glacier (ACAR) and Ruth Mountain (AMOU). Approximately 55% of the 9000 + climbers travel Say 70% Paradix 20% through AMUI. AING, ADIS, and if successful to ASUM.

7. Average total time visitors spend in the mgt. unit or on the trail/route. (see number 1 above)

8. Vegetation/topography (how well can people hide from each other?)

The alpine zones of Mt. Rainier National Park are made up of glaciers and perennial snowfields, rocky ridges, rock and ice cliffs and rock scree (loose rock) slopes. The vegetation found in the area are small lichens, mosses, and a few species of flowers and heathers. These plants are found on exposed rock ridges in the alpine zones.

The ability of a person or group to hide from one another is very limited due to the large open glaciers and snowfields.

Depending on the route or zone climbers can hide from one another easily, however on some routes climbers are climbing above or below other climbers with no way to get away or hide from each other.

MOUNT RAINIER NATIONAL PARK SUMMARY OF CLIMBING STATISTICS 1997: ALL YEAR

1997: ALL YEAR										
		EVATE		IDED		JIDED				
ROUTE		IMBS	TWO	DAY		IINARS		OTAL		
	₹.	?	?	?.+	7 ↓	?	?*			
CR CURTIS RIDGE	8 1	t	0 1	-¥ 0	ő	e a	¥ 0			
CR CORTES RIDGE	ø	88	0	03	0	98	0	0		
DC DISSAPOINTMENT CLEAVER	805	2822	16	157	14	135	835	311		
	1565	55%	149	94%	126	93%	1340	59		
EW EMMONS-WINTHROP GLACIER	380	1460	5	40	1	9	386	150		
	703	48%	13	32%	9	100%	725	4 E		
FF FUHRER'S FINGER	47	139	0	0	0	0	47	13		
	58	41%	0	03	0	03	58	41		
GL GIRALTAR LEDGE	82 56	229 24%	0 0	0 80	2 Ø	25 0%	84 / 56	2 E 2 E		
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Attachment 5

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Wilderness Visitor Use Data--Trail Zones: (West Side)--Rick Kirschner--Updated 5/1/98

- Notes: a. Use data is my best "guesstimate" for summer use on a particular trail, averaged over an entire summer month; it includes day use as well as overnight use.
- b. For trail type and length, see descriptions supplied by Carl Fabiani See GMPTRAIL.DOC.
- c. W.T. = Wonderland Trail
- d. WS = West Side Road
- e. ALL numbers and percentages are approximate "guesstimates" even if they appear to be stated as facts
- f. listed parking capacities are the maximum number of spaces available at a certain location; however, not all will be available to hikers, such as at Longmire, Paradise, etc.

1. Eagle Peak Trail:

- 1. See GMPTRAIL.DOC
- 2. 12 people per day on trail
- 3. Below standard
- 4. Low Demand--trail has significant elevation gain (3000 vertical feet) and is too tough for many hikers; trail in trees most of the way with no good views; however there are excellent views from the end of the trail, just tough to get to
- 5. Average time on trail = approx. 5 hours--2 1/2 hours hiking up, 1 hour at end of trail, 1 1/2 hours hiking down
- 6. Est. 60% of hikers get to the top; 40% turn around sooner due to fatigue, etc.
- 7. Only 1 way in and 1 way out

8. N/A

9. Only 1 trailhead; approx. 20 parking spots at Longmire Community Building, with more parking available in Longmire.

2. Twin Firs Trail:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail
- 3. Below standard
- 4. Low Demand--short trail has no views or other scenic attractions, except for old growth forest
- 5. Average time on trail = approx. 1/2 hour
- 6. Virtually all who start this trail do the entire loop since it is less than 1/2 mile long and gentle terrain
- 7. Virtually all who hike the loop hike in a counter clockwise direction due to the trailhead signing.
- 8. Single loop trail with no other trails nearby
- 9. Only 1 trailhead--Twin Firs; approx. 12 parking spots at trailhead.

3. Rampart Ridge Trail:

- 1. See GMPTRAIL.DOC
- 2. 35 people per day on trail
- 3. near standard
- 4. High Demand--this is the only loop trail out of Longmire; has a good viewpoint of Longmire and 1 excellent view of the mountain
- 5. Average time on trail = approx. 4 hours (this includes a 1/4 hour stop at the Longmire viewpoint and a 1/4 hour stop at the mountain viewpoint)
- 6. Est. 70% of hikers do the entire loop and 30% turn around somewhere on the trail; probably 10% go only to Longmire viewpoint and turn around there
- 7. Loop trail when done in conjunction with W.T.; travel is 50/50 clockwise and counter clockwise
- 8. This loop trail is primarily done as a loop in itself in conjunction with the W. T.--not usually done with any other connecting trails
- 9. 2 trailheads--Longmire with 90 parking spaces and maternity curves trailhead with 30 spaces

4. Mirrør Lakes Trail:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail; NOTE: When WS Road was open, and Tahoma Creek Trail was undamaged, estimate about 20 people per day used this trail
- 3. Near standard
- 4. Low Demand--this spur trail off the W.T. is difficult to reach, needing to hike 6-7 miles just to reach start of trail; trail is short and leads to several pretty lakes, good meadows, and eventually turns into the Pyramid Peak Way Trail
- 5. Average time on trail = approx. 1 1/2 hours; 1 hour of hiking in and out, and 1/2 hour at lakes or in nearby meadows
- 6. Est. that 50% of hikers who use trail just go to Mirror Lakes and turn around and 50% go to the Pyramid Peak Way Trail
- 7. Only 1 way in and 1 way out--access off the W.T.
- 8. Access to this trail is off the W.T. at Indian Henrys meadows; this is a side trip for W.T. hikers and a side trip or destination for day hikers
- 9. Access to this trail is from 3 directions--from Longmire with 90 parking spaces & Maternity Curve trailhead with 30 spaces; from Kautz Creek trailhead with 30 spaces; and from Dry Creek on the WS Road with 40 spaces

5. Kautz Creek Trail:

- 1. See GMPTRAIL.DOC
- 2. 60 people per day on trail-mostly in the first mile of trail

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- 3. Out of standard for the lower part of trail (first mile); below standard for rest of trail
- 4. High Demand--high demand is primarily for the first 1 1/2 miles of trail--it is level and easy to hike; low elevation makes trail snow free much of the year; near stream; provides access to Indian Henrys meadows; after the first 1 1/2 miles of trail, trail becomes quite steep and difficult, greatly cutting down on the number of people who continue; beyond there, demand is low
- 5. Average time on trail = 2 hours (based on the fact that most hikers on this trail only go about 1 to 1 1/2 miles up the trail, and spend 1/2 to 1 hour at Kautz Creek); for those who go all the way to Indian Henrys, average time on trail is approx. 7 hours (4 hours up trail, 1 hour at Indian Henrys, 2 hours down trail
- 6. Estimate only about 20% of hikers on this trail go all the way to Indian Henrys; est. about 60% of hikers go only to the Kautz Creek bridge; the remaining 20% either don't make it to the bridge or go beyond the bridge but not all the way to Indian Henrys. 15%
- 7. Estimate that 65% of hikers going up this trail return by this trail; 30% return to Longmire by following the W.T.; approx. 5% return to WS Road via W.T.; from Longmire or WS Road, hikers must have a 2nd car or hitch hike back to Kautz Creek
- Kautz Creek Trail joins the W.T. at Indian Henrys; 2 loops are possible; percentages shown in #7
- 9. 3 trailheads--Kautz Creek with 30 parking spaces; Longmire/Maternity Curve trailhead with 120 spaces; and Dry Creek on WS Road with 40 spaces

* Not consistent with (0

6. Tahoma Creek Trail:

1. See GMPTRAIL.DOC

- 2. 3 people per day on trail; **NOTE:** this number would be much higher if the WS Road was open to private vehicles and if the trail were repaired from washout damage; when trail was undamaged and WS Road was open, est. 35 people per day on this trail
- 3. currently below standard, but use will go up dramatically if WS Road is re-opened and if trail is repaired
- 4. currently Low Demand; used to be High Demand since this was the shortest and easiest way into the Indian Henrys area; now, hikers must walk an additional 1 1/4 miles along the WS Road to get to trailhead, and trail washout damage has not been totally repaired
- 5. Average time on trail = 2 hours (1 hour going up trail and 1 hour coming down trail); since most hikers use this trail to access the W.T., virtually all hikers make it to the W.T.
- 6. Est. 95% of hikers get to the W.T. and then most (80%) go to Indian Henrys while a smaller number (20%) goes to Emerald Ridge
- 7. Most hikers go in and out the same way on this trail; some hikers go in this trail and out via the Kautz Creek Trail (10%) and some go out via the W.T. to Longmire (10%); for these hikers, they need a 2nd car or need to hitch hike back to their car
- 8. see # 7
 - 9. 3 trailheads--Dry Creek on the WS Road with 40 spaces; Kautz Creek with 30 spaces; Longmire & Maternity Curve trailhead with 120 spaces

7. Lake George/Gobblers Knob Trail:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail; **NOTE:** When WS Road was open to public, estimate an average of 50 people per day used this trail
- 3. Currently below standard; when WS Road was open, this trail was out of standard
- 4. Currently Low Demand because hikers must hike over 3 1/2 miles along the WS Road just to get to the start of the trail; hiking along the WS Road is not too exciting; when WS Road was open, this trail was High Demand because it was a very short and easy hike to a beautiful lake, and then only another 1 1/2 miles to a fire lookout with great views
- Average time on trail = 5 hours going all the way on the trail to the Gobblers Knob Lookout; (1/2 hour hiking to lake; 1 hour at lake; 1 hour hiking to Gobblers Knob; 1 hour at Gobblers Knob; 1 1/2 hours hiking out to trailhead)
- 6. Currently only about 40% of hikers get to Gobblers Knob due to the long approach on the WS Road; when WS Road was open, est. 80% of hikers went to Gobblers Knob; for those hikers who make it to the start of this trail, virtually 100% make it to Lake George due to the easy trail
- 7. Most hikers go in and out on this trail; however trail does connect with the Goat Lake Trail on USFS land; some hikers come into park from Goat Lake and go to Gobblers Knob and Lake George, but they usually exit the same way due to the difficulty of logistics of having to have a 2nd vehicle to do a through hike
- 8. Lake George/Gobblers Knob trail joins the Goat Lake trail; estimate 10% of hikers come in park from the Goat Lake trail and go to Gobblers Knob or Lake George
- 9. 2 trailheads--Dry Creek on the WS Road with 40 spaces and Goat Lake trailhead on USFS land with about 15 spaces NOTE: when WS Road was open to public, Lake George trailhead (Round Pass) had space for 100+ cars

8. Goat Lake Trail:

- 1. See GMPTRAIL.DOC
- 2. 1 person per day on trail; when WS Road was open, estimate 3 people per day on trail
- 3. below standard, both now and when WS Road was open
- 4. Low Demand now and when WS Road was open; few good views; hikers would rather go to Gobblers Knob with great views than on the Goat Lake Trail; trail is primarily used as a route to Goat Lake for fishing
- 5. Average time on trail = 1 hour (1/2 hour to park boundary and 1/2 hour back)

- 6. Most hikers on this trail are either going from the park to Goat Lake for fishing, or going from USFS land to Gobblers Knob or Lake George, so virtually 100% of hikers do the entire trail
- 7. Usually hikers enter and exit the same way, whether starting on USFS land or in the park; est. less than 1% do a through hike
- 8. see #7

9. 2 trailheads--Dry Creek on the WS Road with 40 spaces and Goat Lake Trailhead on USFS land with about 15 spaces

9. Round Pass Trail:

- 1. See GMPTRAIL.DOC
- 2. 2 people per day on trail; Note: when WS Road was open, estimate 5 people per day on trail
- 3. Below standard, both now and when WS Road was open
- 4. Low Demand, both now and when WS Road was open; this is a connecting trail between Round Pass and the South Puyallup Trail; no good views and no attractions
- 5. Average time on trail = 1/2 hour
- 6. Virtually 100% of hikers hike the whole trail, as it is a connecting trail
- 7. 1 way in and 1 way out, starting at either Round Pass or at South Puyallup Trail
- 8. Trail not often used, and usually only used as a connector trail between Round Pass and South Puyallup Trail
- 9. 1 trailhead at Dry Creek on WS Road with 40 spaces; NOTE: when WS Road was open, parking was available at Round Pass with 100+ spaces and at the South Puyallup trailhead with about 12 spaces

10. South Puyallup Trail:

- 1. See GMPTRAIL.DOC
- 2. 3 people per day on trail; NOTE: when WS road was open, estimate 15 people per day on trail
- 3. Currently below standard; when WS Road was open, trail was near standard
- 4. Currently Low Demand--hikers must hike 4 1/2 miles on the WS Road just to get to the start of the trail; when WS Road was open, this trail was Moderate Demand--access to a popular backcountry camp; easy trail; attraction point of excellent example of columnar andesite; access to beautiful meadows of Emerald Ridge
- 5. Average time on trail = 2 hours (1 hour hike in; 1/2 hour at river and/or columnar andesite; 1/2 hour hike out)
- 6. Trail ends at jct with W.T.--virtually all hikers hike the entire trail
- 7. Trail intersects the W.T.; most hikers go in and out on the South Puyallup Trail, but some people make a difficult loop trip around Emerald Ridge via W.T. and Tahoma Creek Trail
- 8. This trail intersects the W.T. and the Round Pass trail--loop trip is possible, but difficult, via W. T., Tahoma Creek trail, hiking the WS Road, and the Round Pass Trail; less than 5% of hikers do this; another difficult loop trip is via the W.T. to Klapatche Park and down the St. Andrews Creek trail and along the WS Road; again less than 2% of hikers do this loop
- 9. 1 trailhead at Dry Creek on WS Road with 40 spaces; when WS Road was open, South Puyallup Trailhead had space for about 12 cars

11. St. Andrews Creek Trail:

- 1. See GMPTRAIL.DOC
- 2. 2 people per day on this trail; NOTE: When WS Road was open, estimate 30 people per day used this trail
- 3. Currently below standard; when WS Road was open to public, trail was out of standard
- 4. Currently Low Demand--hikers must hike almost 8 miles just to get to the start of the trail; When WS Road was open, this trail was High Demand due to it being a fairly short and relatively easy trail to beautiful subalpine meadows and great views
- 5. Average time on trail = 5 hours (1 1/2 hours up trail; 2 1/2 hours at Klapatche Park/St. Andrews Lake; 1 hour down trail)
- 6. Estimate that currently 90% of hikers hike the entire trail to Klapatche Park; 10% don't make it .
- 7. Most hikers go in and out the same way; however loop trips are possible but difficult; loop trip through Klapatche Park to South Puyallup River trail and along WS Road; second loop trip is through Klapatche Park to North Puyallup River trail and along WS Road; estimate less than 5% of hikers do these loops trip now
- 8. see #7
- 9. 1 trailhead at Dry Creek on WS Road with space for 40 cars; when WS Road was open, trailhead at St. Andrews Creek had space for about 30 cars

12. Denman Falls Trail:

- 1. See GMPTRAIL.DOC
- 2. 1 person per day on trail: NOTE: when WS Road was open, estimate 10 people per day on trail
- 3. Below Standard, both now and when WS Road was open
- 4. Currently Low Demand--hikers must hike almost 8 miles just to get to start of trail; when WS Road was open, trail was Low Demand; trail is short and easy and leads to a beautiful waterfall, but trail is not widely known, and hikers preferred to hike to Klapatche Park
- 5. Average time on trail = 1/2 hours, including time at falls viewpoint
- 6. Trail is so short, virtually all hikers do entire trail
- 7. Loop trail which doesn't intersect with any other trails--50/50 on clockwise and counter clockwise hiking
- 8. See #7
- 9. 1 trailhead at Dry Creek on WS Road with 40 spaces; NOTE: when WS Road was open, trailhead at St. Andrews Creek had space for about 30 cars

13. North Puyallup Trail:

- 1. See GMPTRAIL.DOC
- 2. 1 person per day on trail; NOTE: when WS Road was open, estimate 5 people per day on trail
- 3. Below standard, both now and when WS Road was open
- 4. Low Demand, both now and when WS Road was open; currently hikers must hike over 9 miles just to get to the start of this trail; trail is on old roadbed and is not exciting to hike; few good views until the end of the trail at North Puyallup Camp
- 5. Average time on trail = 4 hours (3 hours hiking trail in and out and 1 hour at end of trail)
- 6. Estimate that 95% of hikers who reach this trail hike the entire trail
- Trail joins W.T. at North Puyallup Camp; most hikers (95%) hike in and out the same trail; a loop hike is possible by hiking W.T. to Klapatche Park and down St. Andrews Creek trail to WS Road (5%)
- 8. See #7
- 9. 1 trailhead at Dry Creek on WS Road with 40 spaces; NOTE: when WS Road was open, trailhead at Klapatche Point had space for 50+ cars

14. Paul Peak Trail:

1. See GMPTRAIL.DOC

- 2. 15 people per day on trail
- 3. Near standard
- 4. Moderate Demand--all forest trail with no spectacular views; leads to Mowich Rivers; and a backcountry camp; trail is low elevation, so it is a popular trail when more scenic trails are still snow covered
- 5. Average time on trail = 4 hours (1 1/2 hours down to river; 1/2 hour at river; 2 hours back to trailhead)
- 6. Estimate 80% of hikers go down trail to its junction with W.T.; 20% turn around earlier due to fatigue, etc.
- 7. Most hikers go in and out on the Paul Peak Trail (90%); 10% of hikers make loop around Paul Peak, using this trail and W.T. to Mowich Lake, and then hitch hike back to car; some W.T. hikers exit their W.T. trip on this trail
- 8. see #7
- 9. 2 trailheads--Paul Peak trailhead with space for 15 cars and overflow of about 30, and Mowich Lake trailhead with space for 30 cars and overflow of 100+

15. Green Lake Trail:

- I. See GMPTRAIL.DOC
- 2. 5 people per day on trail
- 3. Near standard
- 4. Moderate Demand--relatively short and easy trail to a pretty lake, but no spectacular views
- 5. Average time on trail = 2 hours (1 hour up trail; 1/2 hour at lake; 1/2 hour down trail)
- 6. Estimate 95% of hikers who start trail go all the way to the lake--short, easy trail
- 7. 1 way in and 1 way out
- 8. N/A
- 9. 1 trailhead at Green Lake parking area with space for 10 cars

16. Chenuis Falls Trail:

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail
- 3. Near standard
- 4. Moderate Demand--short, easy trail to nice waterfall
- 5. Average time on trail = 1 hour (1/2 hour hiking in and out and 1/2 hour at falls)
- 6. Virtually 100% of hikers make it to the falls--short, easy trail
- 7. I way in and 1 way out

8. N/A

9. 1 trailhead--Chenuis Falls parking area with space for about 15 cars

17. Spray Park Trail:

- 1. See GMPTRAIL.DOC
- 2. 40 people per day on trail
- 3. Out of standard
- 4. High Demand--relatively short hike and not too difficult to some of the most spectacular subalpine meadows and views in the park; also beautiful waterfall (Spray Falls) enroute to Spray Park
- 5. Average time on trail = 6 hours (2 hours hiking in; 1/4 hour at Spray Falls; 2 1/2 hours at Spray Park; 1 1/4 hours hiking out)
- 6. Estimate 90% of hikers make it to Spray Falls; estimate 80% of hikers make it all the way to Spray Park
- 7. Most hikers (90%) go to and from Spray Park from Mowich Lake on this trail; 10% of hikers arrive at Spray Park from Cataract Creek; a small percentage (1%) enter Spray Park via the Knapsack Pass Way Trail and follow the Spray Park Trail back to Mowich Lake

8. see #7

9. 2 trailheads--Mowich Lake with space for 30 cars plus overflow of 100+; and Ipsut Creek

trailhead with space for about 40 cars and 30 campsites

18. Tolmie Peak Trail:

- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trail
- 3. Out of standard
- 4. High Demand--relatively short and not too difficult of a hike to a beautiful subalpine lake and a fire lookout with spectacular views; people arriving at Mowich Lake who want to hike have only 2 basic choices for trails--Spray Park or Tolmie Peak--both are busy
- 5. Average time on trail = 5 hours (2 hours up trail; 2 hours at Eunice Lake and/or Tolmie Lookout; 1 hour hiking out)
- 6. Estimate 80% of hikers get to Eunice Lake; estimate 50% of hikers make it all the way to Tolmie Lookout
- 7. 1 way in and 1 way out; it is rare for someone to hike up the W.T. from Ipsut Creek and go to Tolmie Peak
- 8. N/A
- 9. 1 trailhead--Mowich Lake with space for 30 cars and overflow of 100+

19. Stevens Creek Trail:

- 1. See GMPTRAIL.DOC
- 2. 30 people per day on trail
- 3. Near standard
- 4. High Demand--trail leaves Box Canyon Picnic area, and many picnickers are looking for a short trail to hike; less than 1 mile to Stevens Creek and a scenic view of river
- 5. Average time on trail = 2 hours (1 3/4 hours hiking and 1/4 hour at viewpoint)
- 6. Trail is downhill and only 3/4 mile long, so 95% of hikers who start trail hike the entire trail
- Estimate 90% of hikers go up and down this trail, but about 10% do a loop trip with the adjoining W.T. and hike back up to Box Canyon; they then follow road back to picnic area
- 8. See #7
- 9. 1 trailhead--Box Canyon Picnic area with space for 40 cars

20. Snow Lake Trail:

- 1. See GMPTRAIL.DOC
- 2. 55 people per day on trail
- 3. Out of standard
- 4. High Demand--short and relatively level trail with 2 scenic lakes and good views; a good easy family hike/beginner hike
- 5. Average time on trail = 3 hours (1 hour hike in; 1 hour at Snow Lake; 1 hour hike out)
- 6. Estimate 90% of hikers reach Snow Lake; 10% just go to Bench Lake or stop short of Snow Lake due to fatigue, etc.
- 7. 1 way in and 1 way out
- 8. N/A
- 9. 1 trailhead at Snow Lake trailhead with space for about 20 cars

21. Pinnacle Peak Trail:

- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trail
- 3. Out of standard
- 4. High Demand--relatively short trail with great views
- 5. Average time on trail = 4 hours (3 hours up and down trail and 1 hour on top enjoying views)
- 6. Estimate 90% of hikers make it to the end of the trail; 10% turn around early due to fatigue, etc.
- 7.1 way in and 1 way out

8, N/A

9. 1 trailhead--Reflection Lakes parking area with space for about 50 cars

2. Narada Falls Trail:

1. See GMPTRAIL.DOC

- 2. 100 people per day on trail
- 3. Out of standard
- 4. High Demand--mostly on part of trail from Narada Falls to falls viewpoint; also this is a densely "populated" part of the park, close to Paradise and big parking lot at Narada Falls; many people are looking for a short hike, and this trail fits the bill
- 5. Average time on trail = 1/2 hour
- 6. Virtually 100% of hikers go to the falls viewpoint; other hikers start at Paradise and hike down to Narada Falls on this trail, which is also short and most hikers do that whole section
- 7. Access to the Narada Falls Trail are from the W.T. and the Lakes Trail; most hikers are just using the section of this trail from Narada Falls to the falls viewpoint; others hike from Narada Falls to Paradise or visa versa
- 8. Estimate 90% of hikers go just to the falls viewpoint; 10% of hikers go from Paradise to Narada Falls or visa versa
- 9. 2 trailheads--Narada Falls parking lot with space for about 50 cars, and Paradise with space for 400 cars plus overflow

23. Lakes Trail(Mazama Ridge on GIS map):

- 1. See GMPTRAIL.DOC
- 2. 25 people per day on trail
- 3. Near standard
- 4. Moderate Demand--nice loop trail from Paradise with great views and beautiful subalpine meadows
- 5. Average time on trail = 5 hours, which includes stops along the trail at scenic points (Faraway Rock, Reflection Lakes, etc.)
- 6. Estimate that 80% of hikers do the whole Lakes Trail loop; only about 20% stop short and return by the same route, or leave the trail at a road and find a way back to car
- 7. Usually hiked clockwise
- 8. Trail overlaps part of the Skyline Trail in the Paradise meadows and part of the W.T. at Reflection Lakes; various loop trips with these trails are possible
- 9. 3 main trailheads--Paradise with space for 400 cars plus overflow; 4th Crossing parking area with space for about 60 cars; and Reflection Lakes parking area with 50 spaces

24. Paradise Glacier Trail:

- 1. See GMPTRAIL.DOC
- 2. 20 people per day on trail
- 3 Near standard
- 4. Moderate Demand--used to be High Demand when Ice Caves existed, but now only Moderate Demand with Ice Caves gone; interesting landscape and great views
- 5. Average time on trail = 3 hours (1 hour hiking out; 1 hour at end of trail; 1 hour hiking back); this time does not include the 3 additional hours needed to hike Skyline Trail to and from the start of this trail
- 6. Estimate that 50% of hikers go all the way to end of trail; 50% stop short due to fatigue, etc.
- 7. 1 way in and 1 way out; access off the Skyline Trail
- 8. N/A
- 9. 2 main trailheads--Paradise parking lot with 400 spaces plus overflow; and 4th Crossing parking area with about 60 spaces

25. Pebble Creek Trail:

Front Country

Front County

- 1. See GMPTRAIL.DOC
- 2. 150 people per day on trail
- 3. Out of standard
- 4. High Demand--principal route to Camp Muir for climbers and day hikers; one of the busiest trails in the park
- 5. Average time on trail = 1 hour (1/2 hour up trail and 1/2 hour down trail, with usually no stops)until Pebble Creek)
- 6. Estimate 95% of hikers leaving the Skyline Trail onto the Pebble Creek Trail get all the way to Pebble Creek, the end of the trail; 5% turn around early due to fatigue, etc.
 7. 1 way in and 1 way out; access off the Skyline Trail
 8 N/A

8. N/A

9. 1 main trailhead--Paradise parking lot with 400 spaces, plus overflow

26. Comet Falls Trail:

- 1. See GMPTRAIL.DOC
- 2. 60 people per day on trail
- 3. Out of standard
- 4. High Demand--short trail and not too difficult to 1 of the most spectacular waterfalls in the park; plus relatively easy access to beautiful meadows and great views in Van TrumpPark
- 5. Average time on trail = 3 hours (1 1/2 hours up trail; 1 hour down trail; 1/2 hour at Comet Falls)
- 6. Estimate that 80% of hikers go only to Comet Falls; 15% continue up to Van Trump Park; 5% go as far a Mildred Point Trail
- 7. Most hikers (98%) go up the Comet Falls Trail and return the same way; less than 2% of hikers start at Maternity Curve trailhead, go up W.T. and do the trail in reverse
- 8. See #7
- 9. Most (98%) park at Comet Falls trailhead (space for 20 cars currently; however, before rocks were placed in nearby pullouts, there was space for approx. 40 cars); some hikers park at Maternity Curves trailhead, with space for 30 cars

27. Mildred Point Trail:

- 1. See GMPTRAIL.DOC
- 2. 5 people per day on trail
- 3. Below standard
- 4. Low Demand--getting to start of this trail involves a climb of 2000 vertical feet--few hikers are willing to go that far when similar views and meadows are available to Van Trump Park which is closer to Comet Falls
- 5. Average time on trail = 2 hours (1 hour up and down, and 1 hour at end of trail; in addition, hikers must hike about 4 additional hours on the Comet Falls Trail to get to and from the start of the Mildred Point Trail
- 6. Estimate that 90% of hikers who actually start up the Mildred Point Trail actually make it to end of trail, since trail is short
- 7. Estimate that 98% of hikers reach this trail from the Comet Falls Trailhead: 2% come from the Maternity Curve trailhead
- 8. See #7
- 9. 2 trailheads--Comet Falls trailhead with space for 20 cars; Maternity Curves trailhead with space for 30 cars

28. Wonderland Trail-Box Canyon to Reflection Lakes:

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail
- 3. Near standard
- 4. Moderate Demand -- most of trail is in canyon with no spectacular views; only 1 backcountry camp along this section of trail; more day use around Lake Louise and Reflection Lakes

- 5. Average time on trail = 4 hours; W.T. hikers usually do the whole section of trail; day hikers just do sections usually around Lake Louise and Reflection Lakes
- 6. yriknown
- 7/Connecting trail between Box Canyon and Reflection Lakes; intersects Stevens Creek Trail at
- Box Canyon and intersects Lakes Trail at Reflection Lakes; no good loop hikes available 8. N/A
- 9. 3 trailheads--Box Canyon and Box Canyon Picnic area with 60 spaces; Lake Louise with 20 spaces; Reflection Lakes with 50 spaces

29. Wonderland Trail-Reflection Lakes to Longmire:

- 1. See GMPTRAIL.DOC
- 2. 120 people per day on trail
- 3. Out of standard
- 4. High Demand--this trail goes through 1 of the most densely "populated" parts of the park, with people at Longmire, Cougar Rock Campground, Paradise and Narada Falls, all looking for places to hike; lots of attractions on the trail section, including waterfalls, pretty streams and rivers, lakes, etc.; fairly easy hiking on most of this section
- 5. Average time on trail = 3 hours
- 6. Unable to determine percentages; most popular sections of this trail are between Longmire and Cougar Rock Campground, and between Cougar Rock Campground and Carter Falls
- 7. Trail intersects the Lakes Trail at Reflection Lakes and the Narada Falls Trail at Narada Falls; most hikers do short sections of this trail and return the same way--Cougar Rock CG to Longmire and return, and Cougar Rock CG to Carter Falls and return; those hiking from Reflection Lakes or Narada Falls usually hike downhill and arrange a ride back up to car or hitch hike back to car
- 8. See #7
- 9. 4 trailheads--Reflection Lakes with 50 spaces; Narada Falls with 50 spaces; Cougar Rock Campground with 200 sites and an additional 50 spaces; Longmire and Maternity Curves trailhead with 120 spaces

30. Wonderland Trail--Longmire to Indian Henrys:

- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trail; NOTE: when WS Road was open, estimate 60 people per day on this trail
- 3. Out of standard
- 4. High Demand--a popular hike out of Longmire; leads to 2 popular backcountry camps and to Indian Henrys meadows, some of the most scenic meadows with great mountain views in the park; historic backcountry cabin
- 5. Average time on trail = 8 hours for those going all the way to Indian Henrys (4 hours up; 1 hour at Indian Henrys; 3 hours down)
- 6. Estimate that 40% of hikers go all the way to IH; 40% are just hiking the return leg of the Rampart Ridge Trail; 20% turn around beyond Rampart Ridge, but short of IH
- 7. Most hikers (80%) go in and out this same trail; W.T. hikers doing entire trail just hike through this section; loop trips are possible as described under the Kautz Creek Trail and the Tahoma Creek Trail
- 8. See #7
- 9. 2 trailheads--Longmire and Maternity Curves trailhead with 120 spaces; and Kautz Creek with 30 spaces

31. Wonderland Trail--Indian Henrys to Emerald Ridge:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail; NOTE: when WS Road was open, estimate 20 people per day on this trail
- 3. Near standard

- 4. Moderate Demand--when WS Road was open and Tahoma Creek Trail was not damaged, this was a High Demand trail; demand is now only moderate, primarily because there are few day hikers with the WS Road closed at Dry Creek; most use is from W.T. hikers
- 5. Average time on trail = 3 hours
- 6. Use is primarily W.T. hikers, so most hikers do the entire trail section; perhaps 10% of the use of this section is day hikers who hike from IH to the suspension bridge over Kautz Creek and return
- 7. Loop trips are difficult with the closure of the WS Road; most use is from W.T. hikers--50/50 clockwise and counterclockwise
- 8. See #7 and possible loop trips described under Tahoma Creek Trail and South Puyallup Trail
- 9. 3 trailheads--Longmire and Maternity Curve trailhead with 120 spaces; Kautz Creek with 30 spaces; and Dry Creek on WS Road with 40 spaces

✓ 32. Wonderland Trail-Emerald Ridge to Klapatche Park: →•

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail; NOTE: when WS Road was open, estimate 20 people per day on this trail
- 3. Near standard
- 4. Moderate Demand; when WS Road was open, this was a High Demand trail because Emerald Ridge was a very popular day hike, as was Klapatche Park and St. Andrews Lake; trail is now only Moderate Demand due to lack of significant numbers of day hikers; trail is mostly used by W.T. hikers
- 5. Average time on trail = 5 hours
- 6. Primarily used by W.T. hikers, so almost all hikers do the entire section of trail
- 7. Loop trips are difficult due to the closure of the WS Road; most use is W.T. hikers and use is 50/50 clockwise and counterclockwise
- 8. See possible loop trips described under St. Andrews Creek Trail and South Puyallup Trail
- 9. Primary users are W.T. hikers who mostly started at Longmire, Paradise, Mowich Lake, or any other primary starting point for the W.T.

33. Wonderland Trail--Klapatche Park to Golden Lakes:

- 1. See GMPTRAIL.DOC
- 10 people per day on trail; NOTE: when WS Road was open to public, estimate 15 people per day on this trail
- 3. Near standard
- 4. Moderate Demand now and when WS Road was open; use is primarily W.T. hikers; distances long for day hikes
- 5. Average time on trail = 4 hours
- 6. Use is primarily W.T. hikers, so almost all hikers do the entire section of trail
- 7. Loop trips are difficult due to closure of WS Road; most use is W.T. hikers and use is 50/50 clockwise and counterclockwise
- 8. See possible loop trips described under St. Andrews Creek Trail and North Puyallup Trail
- 9. Primary users are W.T. hikers who mostly started at Longmire, Paradise, Mowich Lake, or any other primary starting point for the W.T.

34. Wonderland Trail-Golden Lakes to Mowich Lake:

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail
- 3. Near standard
- 4. Moderate Demand--primarily W.T. hikers with some day hikers doing the Paul Peak Loop
- 5. Average time on trail = 4 hours
- 6. Primarily W.T. hikers, so most hikers do the entire trail section; estimate that about 10% of use from Mowich River to Mowich Lake is from people hiking the Paul Peak Loop
- 7. Primarily W. T. hikers, so use is 50/50 clockwise and counterclockwise
- 8. Trail intersects Paul Peak Trail; estimate that 90% of use on this section of trail is W.T. hikers

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and 10% is from Paul Peak Trail hikers

 Primarily W.T. hikers who mostly started at Longmire, Paradise, Mowich Lake, or any other primary starting point

35. Wonderland Trail-Mowich Lake to Ipsut Creek:

- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trail; most of this use is between Mowich Lake and Ipsut Pass, as people hike to Eunice Lake and Tolmie Peak Lookout; estimate 10 people per day on section of trail between Ipsut Pass and Ipsut Creek
- 3. Out of standard for the section from Mowich Lake to Ipsut Pass; near standard for the section from Ipsut Pass to Ipsut Creek
- 4. High Demand from Mowich Lake to Ipsut Pass; Moderate Demand from Ipsut Pass to Ipsut Creek; High Demand stems from scores of day hikers going to Eunice Lake and Tolmie Lookout; Moderate Demand from Ipsut Pass to Ipsut Creek due to W.T. hikers and people hiking between Mowich Lake and Ipsut Creek Campground
- 5. Average time on trail = 3 hours
- 6. Estimate that 90% of hikers on the section from Mowich Lake to Ipsut Pass are headed to Eunice Lake and Tolmie Lookout; 10% are hiking between Mowich Lake and Ipsut Creek
- 7. A long loop is possible on this section of trail: Mowich Lake to Ipsut Creek to Spray Park to Mowich Lake; unsure which direction is more frequently done; most people are either hiking through the area on this trail or going to and from Eunice Lake and Tolmie Lookout

9. Mowich Lake has about 30 spaces with overflow of 100+; Ipsut Creek has space for about 40 cars, plus 30 campsites; W.T. hikers may have started anywhere in the park

^{8.} See #7

36. Wonderland Trail--Ipsut Creek to Mystic Lake:

1. See GMPTRAIL.DOC

- 2. 60 people per day on trail--mostly between Ipsut Creek Campground and the Carbon Glacier
- 3. Out of standard for Ipsut Creek to Carbon Glacier; near standard for Carbon Glacier to Mystic Lake
- 4. High Demand--attraction of low elevation glacier (Carbon Glacier); campers at Ipsut Campground want an easy day hike and this fits the bill; access to 4 backcountry camps; access to Mystic Lake, a very popular spot with great views
- 5. Average time on trail = 3 hours for going to Carbon Glacier only; 5 hours going to Mystic Lake and 3 hours returning from Mystic Lake
- 6. Estimate 80% of hikers go only to the Carbon Glacier; 20% go on towards Mystic Lake, with about 1/2 of them going all the way to the lake
- 7. Most hikers go in and out to Mystic Lake the same way, unless they are W.T. hikers going through; W.T. hikers 50/50 clockwise and counterclockwise
- 8. W.T. and Northern Loop Trail overlap from the Carbon Glacier to Sunrise; Northern Loop is a popular loop trip; a less popular loop is Ipsut Creek to Spray Park to Mowich Lake and back to Ipsut Creek
- 9. 2 trailheads--Ipsut Creek with 40 spaces and 30 campsites; Sunrise with 200+ spaces

37. Wonderland Trail--Mystic Lake to Sunrise:

- 1. See GMPTRAIL.DOC
- 2. 20 people per day on trail
- 3. Near standard, except when close to Sunrise where there are lots of day hikers
- 4. High Demand--attractions of Mystic Lake and subalpine areas of lower Curtis Ridge and numerous spectacular cross country zones
- 5. Average time on trail = 5 hours
- 6. Primarily W.T. hikers or hikers going to Mystic Lake, so about 90% of hikers do the entire section of trail
- 7. Most hikers go in and out to Mystic Lake the same way, unless they are W.T. hikers going 2- 20% through; W.T. hikers 50/50 clockwise and counterclockwise
- 8. W.T. and Northern Loop Trail overlap between Carbon Glacier and Sunrise; Northern Loop is a popular loop trip
- 9. 2 trailheads--Sunrise with 200+ spaces; Ipsut Creek with 40 spaces and 30 campsites

Wilderness Visitor Use Data--Trail Zones: Addendum 4/27/98 Rick Kirschner

38. Trail of the Shadows:

- 1. See GMPTRAIL.DOC
- 2. 70 people per day on trail
- 3. Near standard
- 4. High Demand--trail is short and level and is close to National Park Inn at Longmire-a good easy hike for people who want a short hike; trail features interpretive text about early days of Longmire, and an historic cabin
- 5. Average time on trail = approx. 30 minutes
- 6. Virtually all who hike the trail go all the way around, as it is such a short, easy trail
- Most people (est. 70%) go around the trail in a counterclockwise direction; 30% go clockwise; this is primarily due to the proximity of the trailhead to the museum, Wilderness Information Center, and parking.
- 8. Most people just hike the loop; however, some people use this trail to access the Rampart Ridge Trail to hike that loop in a clockwise trip; estimate that about 60% of hikers just do the Trail of the Shadows and about 40% use the trail to access the Rampart Ridge Trail
- 9. Only trailhead is Longmire with 90 parking spaces

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39. Kautz Creek Overlook Trail:

- 1. See GMPTRAIL.DOC
- 2. 100 people per day on trail
- 3. Near standard
- 4. High Demand--very short trail; level; handicapped accessible; first good view of the mountain when driving in the Nisqually Entrance; parking area with picnic tables and restrooms, so a logical spot for a short hike such as this
- 5. Average time on trail = 15 minutes
- 7. Only 1 way in and 1 way out
- 8. N/A--some people who hike the Kautz Creek Trail do this short viewpoint trail also
- 9. Kautz Creek with 30 parking spaces

40. Box Canyon Overlook Trail:

- 1. See GMPTRAIL.DOC
- 2-9. N/A--this trail is a short trail from the parking lot at Box Canyon to the restrooms and then a short distance beyond to a viewpoint; it is basically a roadside viewpoint and the data requested is irrelevant

41. Rain Forest Loop Trail (Carbon River):

- 1. See GMPTRAIL.DOC
- 2. 40 people per day on trail
- 3. Near standard
- 4. High Demand--short trail and level; good interpretive trail to learn about inland rainforests
- 5. Average time on trail = 30 minutes
- 6. About 95% of people who hike the trail hike the whole trail as it is so short and easy
- 7. Virtually all people hike the trail counterclockwise--this is the way the signs are arranged
- 8. N/A--single loop trail with no other trails nearby
- 9. Only 1 trailhead at Carbon River Entrance with parking for 10 cars

High Lakes Trail:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail
- 3. Below standard
- 4. Low Demand--this trail is a short cut for people doing the Lakes Trail (#23 above); it joins 2 sections of the Lakes Trail, but bypasses Reflection Lakes; most hikers stay on the Lakes Trail to do the entire loop
- 5. Average time on trail = 30 minutes
- 6. Virtually everyone who goes on this trail hikes the whole trail; this is because it is a connector trail which serves as a shortcut, so there is no advantage to hiking only part of it
- 7. Most hikers (est. 70%) hike this section from east to west, as most people hike the Lakes Trail Loop clockwise
- 8. This trail connects 2 parts of the Lakes Trail loop and serves as a shortcut--this is the primary use of this trail; however, a small percentage of hikers will start at Reflection Lakes and hike the Lakes Trail, Lakes High Trail, Lakes Trail to do a loop from Reflection Lakes. Est. that maybe 10% of hikers do this.
- 9. 3 main trailheads--Paradise with space for 400 cars plus overflow; Fourth Crossing parking area with space for 60 cars; Reflection Lakes parking area with space for 50 cars.

43. Mowich Access Trails:

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 This refers to a series of short trails between the Mowich Lake Road and the Wonderland Trail at Mowich Lake. The trails go from parking spaces along the road shoulder to the WT, and are just ways for people to get from their cars to the trails at Mowich Lake. In addition, this refers to very short trails from the WT to the lakeshore of Mowich Lake--places for people to sit near the water, take photographs, fish, etc. Consequently, these trails are of little importance and the data requested is irrelevant.

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44. Mystic Lake Cabin Spur Trail:

 This trail branches off the WT at Mystic Lake and goes to the Patrol Cabin at Mystic Lake. It is only used by people who want to contact the Mystic Lake Ranger for information or to view a classic wilderness patrol cabin. Consequently, the data requested is irrelevant for this trail.

45. Misc. Paradise Lower Meadow Trails (Guide House Trail, Avalanche Lily Trail, Waterfall Trail, Nisqually Vista Trail, Alta Vista Trail, Deadhorse Creek Trail):

- See Fabiani's data on trail specifications for each of the above listed trails. These trails constitute the lower Paradise meadow trails and are a web of intersecting trails that most people just follow to get a short hike to view the flowerfields of Paradise. These trails can all be lumped together, as they do not in themselves lead out of the lower meadow area, and use is confined on these trails to about 1 mile for the Paradise parking lots. Eventually, for anyone going beyond 1 mile, these trails merge into the Skyline Trail which is discussed below. The information presented here is my best guess on this set of trails taken as a whole.
- 3. Out of standard
- 4. High Demand--easy access to some of the most spectacular flowerfields in the park; we draw many visitors to Paradise with the visitor center, Paradise Inn, etc. and many of them take at least a short hike through the meadows.
- 5. Average time on these trails = approx. 2 hours
- 6. Impossible to estimate
- 7. All these trails interconnect with each other, and most of them connect to the Skyline Trail, the primary trail that leads out of the lower meadow area.
- 8. See #6 & 7.
- 9. Only 1 trailhead--Paradise parking lots, with approx. 400 spaces plus overflow.

Front Country

46)Skyline Trail:

- 1. See GMPTRAIL.DOC
- 2. 400 people per day on trail; note--some of the users of the Paradise lower meadow trails described above also use the Skyline Trail and visa versa; it is impossible to separate our the use on the meadow trails since they intersect so much.
- 3. Out of standard
- 4. High Demand--fairly easy access to some of the most beautiful flowerfields in the park; a great loop trail with spectacular views of the mountain and to the south at the Tatoosh Range and outside the park; access all summer to snowfields; the Skyline Trail is the only access to the Pebble Creek Trail and beyond, so all climbers and hikers going to Camp Muir start on the Skyline Trail.
- 5. Average time on trail = 4-5 hours for those doing the entire loop; for those not hiking the loop but just going to Panorama Point or closer destinations, estimate 3-4 hours. Hikers spend approx. 1-1 1/2 hours between Paradise and Panorama Point, about 1/2 hour at Panorama Point, and about 1 hour returning to Paradise if going out the same way. If they are doing the loop, from Panorama Point back to Paradise, they spend about 2-3 hours returning if they follow the Skyline Trail all the way.
- 6. Estimate that 30-40% of the people on the trail are climbers or hikers going to Camp Muir, so they leave the Skyline Trail at the Pebble Creek Trail junction. Estimate that 20-30% of hikers go to Panorama Point and then turn around and go back to Paradise. Estimate that 10-20% of hikers do the entire loop of the Skyline Trail. Estimate that 10-20% of hikers turn around before making it to Panorama Point.
- The loop is usually hiked in a clockwise direction. Estimate that 90-95% of hikers go this direction. Most hikers that start the loop in a counterclockwise direction don't hike the entire loop--they are just out for a shorter hike.
- 8. The Skyline Trail is intersected in the lower Paradise Meadows by most of the trails listed above in # 45. Most hikers start at the Skyline Trail in the upper parking lot at Paradise, but others start on various trails. Regardless, the trails all eventually merge into the Skyline Trail. As described above, 30-40% of the hikers leave the Skyline Trail to access the Muir Snowfield and Camp Muir. The rest return to Paradise by the same route, or continue the loop. Once past Panorama Point, hikers can take a shortcut trail that saves about 1 1/2 miles from the entire loop. This shortcut is the Golden Gate Trail. If they stay on the Skyline Trail, as they are already doing a strenuous 6 mile loop trail on the Skyline. Some hikers leave the Skyline Trail at the Fourth Crossing Trail and hike to the Paradise Valley Road where some of them have parked, or they walk up the Valley Road to the Paradise parking lots. Estimate that 50% of those hiking east of Panorama Point take the Golden Gate Trail, and 50% do the entire Skyline loop.
- 9. 2 main trailheads--Paradise parking lot with 400 spaces plus overflow, and 4th Crossing parking area with about 60 spaces.

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47 Golden Gate Trail:

- 1. See GMPTRAIL.DOC
- 2. 150 people per day on trail
- 3. Out of Standard
- 4. High Demand--pretty flowerfields, great view of the mountain, shortcut back to Paradise from the popular Skyline Trail, lower part of trail is relatively easy for people looking for a short easy hike
- 5. Average time on trail = 1 hour; even though this shortcut trail is only 1 mile long, many people walk it at a leisurely pace to enjoy views, etc.
- 6. For people coming down the trail from the Skyline, virtually 100% of the people hike the entire trail, as it is a shortcut back to Paradise. For those going up the trail, estimate that about 50% hike the entire trail to access the Skyline Trail. The other 50% stop below the switchbacks where the trail gets steep and turn around there.
- 7. Use is probably 50-50 uphill and downhill. The downhillers are usually using the trail as a shortcut back to Paradise; the uphillers are mostly out for a shorter hike and turn around before reaching the Skyline Trail; they then return to Paradise on the same route.
- 8. See section on Skyline Trail above and #7 above.
- 9. 2 main trailheads--Paradise with space for 400 cars plus overflow, and 4th Crossing parking area with space for about 60 cars

48) Glacier Vista Trail:

- 1. See GMPTRAIL.DOC
- 2. 150 people per day on trail
- 3. Out of Standard
- 4. High Demand--all the Paradise meadow trails are high demand--good views, etc.
- 5. Average time on trail = 1/2 hour; trail is very short, but there are 2 excellent viewpoints, and hikers stop to enjoy the views.
- 6. Virtually 100% of people who start the trail do the whole trail--it is only 1/4 mile long
- 7. This trail is a short spur trail that leave the Skyline Trail and then rejoins it about 1/4 mile up the trail. Probably 60-70% of hikers stay on the Skyline Trail, both up and down, but 30-40% of hikers take this short spur just for some variety or to see views along this trail. It's probably 50-50 for hikers going uphill versus downhill.
- 8, N/A--see #7 above.
- 9. Only 1 main trailhead--Paradise with space for 400 cars plus overflow.

49. High Skyline Trail:

- 1. See GMPTRAIL.DOC
- 2. 100 people per day on trail
- 3. Out of Standard
- 4. High Demand--the Skyline Trail is a high demand trail, and the High Skyline Trail is just an alternate section of this trail used primarily to bypass a steep and sometimes dangerous section of snow. Sometimes the High Skyline Trail is the only safe way to continue east from Panorama Point and finish the loop of the Skyline Trail. Trail has great views in all directions.
- 5. Average time on trail = 1 hour
- 6. Virtually everyone who starts this trail finishes it, as it is a bypass to a steep snow slope on the Skyline Trail
- 7. Most hikers hike the Skyline Trail in a clockwise direction; hence most people take the High Skyline Trail going west to east.
- 8. This trail joins the Skyline Trail in 2 places; it also has a short connector trail to the Pebble Creek Trail. As mentioned, most people take this trail off the Skyline Trail at Panorama Point to bypass an intermittent safety hazard; however, some people join this trail from

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the Pebble Creek Trail as an alternative way back to Paradise.

9. Only 1 main trailhead--Paradise with space for 400 cars plus overflow.

50.] Fourth Crossing Trail:

- 1. See GMPTRAIL.DOC
- 2. 75 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--trail is High Demand on weekends and holidays when the Paradise parking lots fill up; when Paradise lots are not full, the trail is low to moderate demand.
- 5. Average time on trail = 1/4 hour--short trail, and most hikers just hike through
- 6. Virtually everyone who starts the trail goes all the way on it
- 7. Probably 50-50 for uphill and downhill hikers.
- 8. See Skyline Trail information at # 46 above.
- 9. Main trailhead is the 4th Crossing parking area with about 60 spaces; some users of this trail have parked at Paradise with space for 400 cars plus overflow.

51 Moraine Trail:

- 1. See GMPTRAIL.DOC
- 2. 25 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--unlike the rest of the Paradise meadow trails which are all High Demand, the Moraine Trail is Moderate Demand. The main reason is that it is out of the main stream of visitor use, the trail is largely out of sight of the rest of the Paradise meadow trails, and it therefore doesn't get as much attention as the rest of the trails. It is a great trail to get away from the huge crowds in the rest of the meadows and has great views and nice wildflowers.
- 5. Average time on trail = 3 hours; 1 hour down trail, 1 hours enjoying views at end of trail, and 1 hour up trail
- 6. Probably 80% of hikers who start this trail do the entire trail--it is less than 1 mile long.
- 7. One way in and 1 way out
- 8. N/A--this trail branches off the Dead Horse Creek Trail, with no other trails intersecting it.
- 9. 1 main trailhead--Paradise, with space for 400 cars plus overflow.

52. Burroughs Mountain Trail:

(This trail goes from Frozen Lake to First Burroughs Mountain and down to Sunrise Camp)

- 1. See GMPTRAIL.DOC
- 2. 80 people per day on trail
- 3. Out of Standard
- 4. High Demand--great views, loop trail, easy access, interesting area
- 5. Average time on trail = 2 hours to do entire loop
- 6. Estimate that 60% of people on this trail do the Burroughs Mountain Loop, 30% hike to Second Burroughs Mountain, and 10% continue on to Third Burroughs Mountain
- 7. Loop is usually done going counter clockwise; estimate that 70% of hikers do this, and 30% hike out the trail and back the same way
- Most people hike this trail from Sunrise, accessing it from the Sunrise Rim Trail or the Wonderland Trail
- 9. 1 trailhead--Sunrise with 200+ spaces

53. Crystal Lakes Trail:

- 1. See GMPTRAIL.DOC
- 2. 20 people per day on trail
- 3. Near Standard
- 4. High Demand--relatively easy access; beautiful lakes; 2 backcountry camps; nice views of the Cascade Crest

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- 5. Average time on trail = 4 hours-2 hours up trail; 1 hour at lakes; 1 hour down trail
- Estimate that 20% of hikers make it only to Lower Crystal Lake, 60% make it to Upper Crystal Lake, and 20% go beyond Upper Crystal to the gap at the Cascade Crest. A small percentage (<5%) go to Crystal Peak on the Crystal Peak Trail (see Way Trail # 17 below).
- 7. Estimate that 60% of hikers go up trail from Crystal Creek Trailhead and go out the same way; 40% of hikers come in to Upper and Lower Crystal Lakes from the Cascade Crest Trail and hike out the same way. A small percentage (<10%) do a through hike 1 way or the other.</p>
- 8. See #7 above.
- 9. 2 trailheads--Crystal Creek with 30 spaces, and Chinook Pass with 40 spaces

54. Mount Fremont Trail:

- 1. See GMPTRAIL.DOC
- 2.60 people per day on trail
- 3. Out of Standard
- 4. High Demand--relatively easy and short trail; access to a fire lookout with great views
- 5. Average time on trail = 3 hours--1 1/2 hours up trail; 1 hour at lookout; 1/2 hour down trail.
- 6. The trail is relatively short and not too difficult--estimate that 90% of hikers who start the trail actually get to the lookout; the rest stop short due to fatigue, etc.
- 7.1 way in and 1 way out
- Access to this trail if from the Wonderland Trail, the Sourdough Ridge Trail, and the Burroughs Mountain Trail; once the Mount Fremont Trail is reached, use is in and out the same way
- 9. 1 trailhead--Sunrise with 200+ parking spaces

55. Glacier Basin Trail:

- 1. See GMPTRAIL.DOC
- 2. 60 people per day on trail
- 3. Out of Standard
- 4. High Demand--primary access to 1 of the most popular climbing routes on mountain; relatively short, easy access; nice backcountry camp; historic mining area with places to explore; pretty meadow and stream
- 5. Average time on trail = 4 hours--2 hours up trail; 1 hour in Glacier Basin; 1 hour down trail
- Estimate that 30% of hikers branch off the Glacier Basin Trail on to the Emmons Moraine Trail; 35% go to Glacier Basin; 30% of trail users are climbers who continue beyond Glacier Basin.
- 7. Primarily 1 way in and 1 way out; a small percentage (<10%) hike from Sunrise to Burroughs Mountain and then take the Burroughs Mountain/Glacier Basin Trail and out the Glacier Basin Trail.
- 8. See #7 above
- 9. 1 trailhead--White River Campground with space for 60 cars and 100 campsites.

56. Lake Eleanor Trail:

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--beautiful subalpine meadows with great views; pretty lake with a nice backcountry camp; somewhat long distance to get to Grand Park and Lake Eleanor cuts the demand down somewhat.
- 5. Average time on trail = 4 hours--1 1/2 hours in, 1/2 hour at Lake Eleanor, and 2 hours out
- 6. Estimate that 70% of hikers make it only to Grand Park; 20% are doing the Northern Loop Trail, and 10% make it to Lake Eleanor
- 7. Primarily 1 way in and 1 way out,; hikers access this trail from either the Northern Loop

Trail on the southern end or from the Eleanor Creek Way Trail on the northern end; almost 100% of hikers go out the same way they hiked in

- 8. See #7 above--estimate that 60% of people who use this trail come in from the north on the Eleanor Creek Trail and 40% from the south on the Northern Loop Trail
- 9. 2 trailheads--Sunrise with 200+ parking spaces, and the Lake Eleanor Trailhead on USFS land with 15 spaces.

57. Huckleberry Creek Trail:

- 1. See GMPTRAIL.DOC
- 2. 5 people per day on trail
- 3. Below Standard
- 4. Low Demand--primarily a lower forest trail with no views and no particular points of attraction except for a pretty stream
- 5. Average time on trail = 3 hours--most people go to Forest lake or a ways beyond and then turn around at various points along the trail whenever they run out of time or get tired; no specific turn around points beyond Forest Lake.
- 6. Estimate that 40% go only to Forest Lake; 40% go beyond Forest Lake but not to the end of the trail; 20% go all the way to the end of the trail at the north park boundary. Some hikers come into the park on this trail from the north, hike a ways and then return the same way out. About 50% start hike and Sunrise and 50% at Huckleberry Creek Trailhead outside park.
- 7. 1 way in and 1 way out; very few hike in 1 way and to out another.
- 8. N/A-no other intersecting trails; access from Sunrise is from the Sourdough Ridge Trail.
- 9. 2 trailheads--Sunrise with 200+ spaces, and the Huckleberry Creek Trailhead on USFS land with 20 spaces.

58. Hidden Lake Trail:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail
- 3. Below Standard
- 4. Moderate Demand--pretty lake; fishing
- 5. Average time on trail = 2 hours-1/2 hour in; 1 hour at lake; 1/2 hour out.
- 6. Virtually all hikers who start this trail make it to the lake as the trail is so short; probably 60% of hikers go only to Hidden Lake; 40% continue on and go crosscountry hiking from the lake
- 7. 1 way in and 1 way out
- 8. this trail is accessed off the Palisades Lake Trail; no other trails nearby
- 9. 1 trailhead--Sunrise Point with space for 40 cars

59. Naches Loop Trail:

- 1. See GMPTRAIL.DOC
- 2. 30 people per day on trail
- 3. Out of Standard
- 4. High Demand--relatively easy loop trail, short and fairly level; good views and nice meadows.
- 5. Average time on trail = 1-2 hours, with stops along the way for views, etc.
- 6. Trail is so short that virtually everyone who starts the trail finishes it.
- 7. Most (90%) visitors hike the loop trail clockwise
- 8. This trail branches off the Pacific Crest Trail; about 80% of the hikers who start the PCT at Chinook Pass, leave the PCT and follow the Naches Peak Trail back to Tipsoo Lake and Chinook Pass.
- 9. 2 trailheads--Chinook Pass with space for 40 cars, and Tipsoo Lake with space for 100 cars.

60. Silver Forest Trail:

(NOTE: The Emmons Vista Trail is a very short (approx. 20') spur off this trail

- 1. See GMPTRAIL.DOC
- 2. 40 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--nice trail, easy access, great views, flat
- 5. Average time on trail = 1-2 hours, including viewpoints, lunch, etc.
- 6. Trail is so short and easy that virtually all who start the trail go to the end.
- 7.1 way in and 1 way out
- 8. this trail branches off the Sunrise Rim Trail; no other trails are intersected--visitors hike in and out the same way
- 9. 1 trailhead--Sunrise with 200+ parking spaces

61. Owyhigh Lakes Trail:

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail
- 3. Near Standard
- Moderate Demand--pretty lakes; nice views of Governors Ridge; access to backcountry camp; no mountain views;
- 5. Average time on trail = 5 hours--if hiking all the way through on this trail; 4 hours if hiking in to Owyhigh Lakes and back out the same way.
- 6. Estimate that 70% of hikers hike in to Owyhigh Lakes from the White River Road and back out the same way; estimate that 30% hike all the way through to highway 123.
- 7. See #6 above;
- 8. this trail is done as either a connecting trail between the White River Road and highway 123 or visa versa, or the trail is done in and out the same way, usually from the White River Road.
- 9. 2 trailheads--Owyhigh Lakes trailhead with space for 12 cars and the Deer Creek trailhead, with space for 10 cars.

62. Pacific Crest Trail:

- 1. We have no data on the PCT--it is a national trail, maintained by the USFS, and runs in and out of the park along the east boundary. The section of the PCT discussed here is from Chinook Pass to the Laughingwater Creek Trail. North of Chinook Pass, the PCT is entirely outside the park.
- 2. 15 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--access to pretty lakes, a trail that people can take stock and pets on; good views of the Cascade Crest; distance between entry and exit points can be long unless] hikers go in and out the same way.
- 5. Average time on trail = 6-8 hours; about half only go to the first significant lake (Dewey Lake) and some hike all the way through
- 6. Estimate that 50% of hikers go just to Dewey Lakes; 5% go to Three Lakes; 45% go to other USFS areas from the PCT
- 7. About 50% go in and out from Chinook Pass; the other 50% hike all the way through this section of the PCT or exit the PCT on another USFS trail.
- 8. See #7 above.
- 9. Primary trailhead is Chinook Pass with space for 40 cars; secondary trailhead is Laughingwater Creek trailhead with space for 10 cars.

63. Palisades Lake Trail:

- 1. See GMPTRAIL.DOC
- 2. 20 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--relatively easy access to several pretty lakes; nice meadows

- 5. Average time on trail = 5 hours--4 hours hiking out and back and 1 hour at 1 or more of the lakes or meadows.
- 6. Estimate that 30% go only to Sunrise Lake; 20% go to Clover Lake; and 50% go to Hidden Lake, Upper Palisades, or Lower Palisades Lakes
- 7. Usually 1 way in and 1 way out; however some more experienced hikers will hike out on the trail and then travel cross country to return to the parking lot.
- 8. N/A -- no other trails in the area
- 9. 1 trailhead--Sunrise Point with space for 40 cars

64. Wonderland Trail (Sunrise to White River Campground):

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--close to large parking lots at Sunrise and White River Campground; however, trail is mostly in forest with few good views, and there are much more scenic hikes to take from either place.
- 5. Average time on trail = 2 hours--most hike 1 way on trail (Sunrise to campground or visa versa, or go to the falls below Sunrise and then return to Sunrise. A short time hiking trail.
- 6. Estimate that 20% of hikers go to the falls below Sunrise and then return to Sunrise; the other 80% of hikers hike the trail from Sunrise to White River CG or the other way.
- 7. See #6 above. Most hikers go downhill from Sunrise to WRCG versus uphill.
- 8. See #6 above.
- 9. 2 trailheads--Sunrise with 200+ spaces and White River Campground with space for 60 cars and 100 campsites.

65. Wonderland Trail (White River Campground to Summerland):

- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trail (mostly between the Fryingpan Creek trailhead and Summerland)
- 3. Out of Standard
- 4. High Demand--relatively easy access to spectacular meadows, great views, and a nice backcountry camp which is very popular.
- 5. Average time on trail = 6 hours--2 1/2 hours up trail; 1-2 hours at Summerland; 1 1/2 hours down trail
- 6. Estimate that 50% of hikers go to Summerland and 40% go beyond to Panhandle Gap or] Indian Bar. Probably 10% of hikers turn around below Summerland due to fatigue, lack of time, etc.
- 7. Estimate that 70% of hikers go to Summerland and back the same way and 30% continue beyond Summerland and to out to Box Canyon, or are coming from Box Canyon to Summerland.
- 8. See #6 & 7 above.
- 9. 2 primary trailheads--Fryingpan Creek with space for 35 cars, and Box Canyon with space for 40 cars. WT hikers could also be parked at any of the other main starting points for the trail--Longmire, Mowich Lake, etc.

66. Wonderland Trail (Summerland to Indian Bar):

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--good views; great meadows; 2 popular backcountry camps; however distances can be long from road to road
- 5. Average time on trail = 3 hours--1 way hiking time plus time to stop and enjoy views at Panhandle Gap and other places.
- 6. Estimate that 50% of hikers on this section of trail go from Summerland to Panhandle Gap

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and return the same way; 10% of hikers go from Box Canyon to Indian Bar and return the same way; 40% of hikers hike the whole trail section 1 way or the other.

- 7. See #6 above; trail is 1 way in and 1 way out for about 1/2 the users, and a connecting trail for the other 1/2.
- 8. N/A--no other trails intersecting with this section of the WT
- 9. 3 primary trailheads--Fryingpan Creek with space for 35 cars; Box Canyon with space for
 - 40 cars; Ollalie Creek trailhead with space for 10 cars.

167. Wonderland Trail (Indian Bar to Box Canyon):

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail
- 3. Below Standard
- 4. Low Demand--much of the first part of the trail is in woods with no views; to get to the nice meadows and areas with views is a long hike--too long for most day hikers.
- 5. Average time on trail = 4 hours (this is an average of the 50% of people who go a short distance to Nickel Creek camp and the 50% who go the longer distance to Indian Bar.
- 6. Estimate that 50% of hikers go only to Nickel Creek backcountry camp and 50% go to Indian Bar.
- 7. 60% hike in and out the same way from Box Canyon to Nickel Creek or beyond; 35% hike through on this section of trail, either from Indian Bar to Box Canyon or visa versa; 5% hike part of this trail and then join the Cowlitz Divide Trail.
- 8. See #7 above
- 9. 3 trailheads--Box Canyon with space for 40 cars; Ollalie Creek with space for 10 cars; and Fryingpan Creek with space for 35 cars.

68. Eastside Trail:

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail (much of this use is concentrated at either end of this trail, and mostly on the southern end near the Grove of the Patriarchs).
- 3. Near Standard
- 4. Low Demand for most of the trail; Moderate Demand for the north end of the trail and High Demand for the southern end of the trail--access to the Grove of the Patriarchs Trail from the southern end of this trail; much of the trail is lower forest with no good views except of streams and rivers.
- 5. Average time on trail = 3 hours (this is an average between the majority of people who hike a short section of this trail on either end, and the smaller number of people who hike the entire trail).
- 6. Estimate that 70% of the use is on the southern end of the trail near the Grove of the Patriarchs Trail, 15% of use is near the Deer Creek trailhead and backcountry camp, and 15% of use is near the upper end of the trail at Tipsoo Lake or Cayuse Pass.
- 7. Most use is in and out the same way, whether from the Stevens Canyon Road, Deer Creek trailhead, or Tipsoo Lake trailhead; only about 10% of the use is entering 1 place and exiting another--usually this is downhill hiking, so most people doing this go from north to south.
- 8. See #7 above.
- 9. 3 primary trailheads--Grove of the Patriarchs with space for 25 cars; Deer Creek trailhead with space for 10 cars; Eastside trailhead at Cayuse Pass with space for 20 cars.

69. Grove of the Patriarchs Trail:

- 1. See GMPTRAIL.DOC
- 2. 40 people per day on trail
- 3. Out of Standard
- 4. High Demand--a short trail off the southern end of the Eastside trail which is flat and easy to hike and leads to some of the largest cedar trees in the park; also a pretty stream.

Front Country

- 5. Average time on trail = 1/2 hour--the loop is <1/2 mile around.
- 6. Trail is so short that 100% of hikers do the whole loop.
- 7. People hike the loop in either direction
- 8. Access to this trail is off the southern end of the Eastside Trail; hikers usually go in and out this trail from the Stevens Canyon Road. About 20% of hikers on the Grove Trail will hike a short distance north of the Grove on the Eastside Trail.
- 9. 2 main trailheads--Grove of the Patriarchs with space for 25 cars, and Ohanapecosh with space for 20 cars and 200 campsites.

70. Laughingwater Creek Trail:

SE Boundary ?

- 1. See GMPTRAIL.DOC
- 2. 5 people per day on trail
- 3. Below Standard
- Low Demand--trail is all lower forest with no good views; distance is long to get to Three Lakes.
- 5. Average time on Trail = 6-8 hours--3-4 hours up trail; 1 hour at Three Lakes; 2-3 hours down trail.
- 6. Estimate that 60% of hikers go to Three Lakes; 10% go beyond Three Lakes to the Pacific Crest Trail; 30% of hikers turn around below Three Lakes due to fatigue, lack of time, etc.
- 7.1 way in and 1 way out for most hikers
- 8. This trail connects with the Pacific Crest Trail beyond Three Lakes; however most hikers do not go that far on the trail; use from the PCT to Three Lakes is also minimal, although some hikers (<5%) do start at Chinook Pass and come out at the Laughingwater Creek Trail.
- 9. 3 primary trailheads--Laughingwater Creek trailhead with space for 10 cars; Ohanapecosh Campground with space for 20 cars and 200 campsites; and Chinook Pass with space for 40 cars.

71. Cowlitz Divide Trail:

- 1. See GMPTRAIL.DOC
- 2. 5 people per day on trail
- 3. Below Standard
- 4. Low Demand--lower forest trail with no good views; a lot of elevation gain to get out of trees.
- 5. Average time on trail = 3 hours if hiking up and out a different direction; 5 hours if hiking up and back down the same way; 2 hours if just hiking down trail.
- 6. Estimate that 30 % of hikers just go to Ollalie Creek; another 30% stop at the Cowlitz Divide; 20% continue up the WT to Indian Bar; 20% go over the divide and hike out to Box Canyon.
- 7. Most hikers go up this trail from the Ollalie Creek Trailhead and come out the same way; however some hikers go over the divide to Box Canyon or connect with the WT going north and come out at the Fryingpan Creek trailhead.
- 8. This trail joins the WT at the top of the Cowlitz Divide--see #6 & 7 above for specifics.
- 9. 3 primary trailheads--Ollalie Creek with space for 10 cars; Ohanapecosh Campground with space for 20 cars and 200 campsites; Fryingpan Creek trailhead with space for 35 cars.

72. Silver Falls Trail:

- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trail
- 3. Out of Standard
- 4. High Demand--short easy trail with view of nice waterfall; close to large campground.
- 5. Average time on trail = 1-2 hours, counting stops for views.
- 6. Estimate that 40% of hikers do the entire loop trail; 40% go only to Silver Falls and back out; 20% go beyond the Silver Falls Trail to the Grove of the Patriarchs Trail

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- 7. Most people start this trail from the Ohanapecosh Campground; next most popular starting point is the Grove of the Patriarchs trailhead; trail can also be accessed at several points along highway 123. The trail is done as a loop by about 50% of hikers, and as 1 way in and out by the other 50%.
- 8. See #6 & 7 above.
- 9. 2 primary trailheads--Ohanapecosh Campground with space for 20 cars and 200 campsites; Grove of the Patriarchs trailhead with space for 25 cars.

73. Shriner Peak Trail:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail
- 3. Below Standard
- 4. Moderate Demand--great views from top; access to a fire lookout; long climb with lots of elevation gain;
- 5. Average time on trail = 5-6 hours--3 hours up; 1 hour at lookout; 2 hours down.
- 6. Estimate that 80% of hikers make it to the lookout; 20% stop before the lookout due to fatigue, lack of time, etc.
- 7. 1 way in and 1 way out
- 8. N/A--no other trails intersect with this trail.
- 9. 1 trailhead--Shriner Peak trailhead with space for 30 cars.

74. Northern Loop Trail:

- 1. See GMPTRAIL DOC
- 2. 10 people per day on trail
- 3. Below Standard
- 4. Low Demand for most of the trail; Moderate Demand on the ends of the trail near Sunrise and near Ipsut Creek Campground--beautiful multi-day hike with great views, nice meadows, etc.; day hiking on much of this trail is difficult due to the long distances from roads--consequently most of the use is overnight.
- 5. Average time on trail = 3-4 days; some day hiking is done on this trail, but most use is overnight, with people doing the whole loop
- 6. Impossible to estimate, due to multiple entry points; some hiking is in and out same way and some hiking is loop trip; some people hike loop 1 way and others the opposite direction, etc.
- 7. Estimate that 50% of hikers on this trail do the entire loop, usually counterclockwise from Sunrise; the other 50% of use is day hiking on the ends of the trail near Sunrise and Ipsut Creek Campground, or 1 night stays to camps and back out the same way.
- 8. This trail intersects the WT near Berkeley Park and also at the snout of the Carbon Glacier; there is also access to the Northern Loop Trail from the West Fork Trail and the Lake Eleanor Trail; estimate that 70% of the use of this trail starts at Sunrise and goes counterclockwise around the loop.
- 9. 2 primary trailheads--Sunrise with 200+ spaces and Ipsut Creek Campground with space for 40 cars and 30 campsites; secondary trailhead is the West Fork of the White River on USFS land with space for about 10 cars.

75. Burroughs Mountain/Glacier Basin Trail:

(NOTE: From First Burroughs Mountain to Glacier Basin Trail)

- 1. See GMPTRAIL.DOC
- 2. 40 people per day on trail
- 3. Out of Standard
- 4. High Demand--great views of the mountain; access to interesting high subalpine area; potential loop trips; easy access from Sunrise and White River Campground
- 5. Average time on trail = 3-4 hours with time for resting and views and return
- 6. Estimate that 75% of hikers go only to Second Burroughs Mountain; 20% go to Third Burroughs Mountain; only 5% follow the trail to the Glacier Basin Trail.

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- Most hikers (90+%) go out and back from Sunrise; only about 5% make the loop to the Glacier Basin Trail and to White River Campground.
- 8. See #6 & 7 above.
- 9. Primary trailhead is Sunrise with 200+ spaces; White River Campground is a secondary trailhead with 60 spaces and 100 campsites.
- 76. Sunrise Rim Trail:
 - (NOTE: Sunrise parking lot to Wonderland Trail)
 - 1. See GMPTRAIL.DOC
 - 2. 50 people per day on trail
 - 3. Out of Standard
 - 4. High Demand--great views, easy access, short trail that is relatively flat
 - 5. Average time on trail = 1 hour
 - 6. Trail is so short that virtually everyone who starts the trail goes to the end, and then usually connecting with other Sunrise trails
 - 7. Most commonly done as a loop trip, connecting with other Sunrise trails (60%); the other 40% of hikers to out and back the same way.
 - This trail connects with the Wonderland Trail and eventually to the Burroughs Mountain Trail and then to the Sourdough Ridge Trail; several loop trips are possible; see #7 above for percentages.
 - 9. 1 trailhead--Sunrise with 200+ parking spaces

77. Emmons Moraine Trail:

- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trail
- 3. Out of Standard
- 4. High Demand--easy hike, relatively flat, close to White River Campground
- 5. Average time on trail = 1-2 hours
- 6. Trail is so short that virtually everyone who hikes trail makes it to the end
- 7. 1 way in and 1 way out
- 8. This trail branches off the Glacier Basin Trail; no other trails in the area; access is in and out the Glacier Basin Trail
- 9. 1 trailhead--White River Campground with space for 60 cars and 100 campsites.

78. Hot Springs Interpretive Trail:

- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trail
- 3. Out of Standard
- 4. High Demand--easy, short, flat trail; close to large campground (Ohanapecosh)
- 5. Average time on trail = 1/2 hour
- 6. Trail is so short that virtually all who start this trail finish it
- 7. Loop trail, usually hiked counter clockwise
- 8. This trail intersects the Silver Falls Loop Trail, and many people combine the 2 trails into 1 hike
- 9. 1 trailhead---Ohanapecosh Campground with space for 20 cars and 200 campsites.

79. Tipsoo Lake Area Trails:

- (NOTE: This includes all the trails around Tipsoo Lake)
- 1. See GMPTRAIL.DOC
- 2. 50 people per day on trails
- 3. Out of Standard
- 4. High Demand--great views, easy, level, short hike; pretty lake
- 5. Average time on trail = 1 hour
- 6. Trail is so short that virtually everyone goes all the way around the lake
- 7. Loop trail around lake--50/50 clockwise and counter clockwise

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- 8. Trails around lake are primarily used by those who want a short hike while picnicking, etc. and hikers do not usually access other trails for the Tipsoo Lake trails.
- 9. 2 trailheads--Tipsoo Lake with space for 100 cars, and Chinook Pass with space for 40 cars.

80. Sourdough Ridge Trail:

- 1. See GMPTRAIL.DOC
- 2. 50-100 people per day on trail (50 on the eastern end of trail and 100 on western end of trail).
- 3. Out of Standard
- 4. High Demand--great views, easy access, access to major trails of Sunrise area;
- 5. Average time on trail = 2 hours
- 6. Trail is short and relatively easy--about 90% of hikers do most of the trail
- 7. 50% of hikers go in and out the same way and 50% make a loop trip to Frozen Lake and back to Sunrise on a different trail
- 8. This trail intersects with the Burroughs Mountain Trail and the Wonderland Trail, and several loop hikes are possible. At least 50% of hikers opt for 1 of these loop hikes rather than hike in and out the same way.
- 9. 2 trailheads--Sunrise with 200+ spaces, and Sunrise Point with 40 spaces.

Way Trails & Abandoned Constructed Trails:

1W. Nisqually Boundary Trail -(Abandoned Constructed Trail):

- 1. See GMPTRAIL.DOC
- 2. 2 people per day on trail
- 3. Below Standard
- 4. Low Demand--hike is all lowland forest, with no views and no points of interest along trail; trail is primarily used early season for conditioning hikes when the rest of the park trails are still snow-covered.
- 5. Average time on trail = 3 hours, 2 hours up trail and 1 hour down
- 6. No definite turn around point on trail; hikers just go until they decide to turn around
- 7. One way in and 1 way out
- 8. N/A--trail not close to any other trails
- 9. Main trailhead is at Nisqually Entrance which has room for only 1 or 2 visitor cars; however, there is room for 10-15 cars at Sunshine Point Campground which is 1/4 mile up road.

2W. Lake George Way Trail:

 This way trail circles Lake George and has been created in the past by campers at Lake George who wanted to walk around the lake or to visit different parts of the shoreline for fishing. Any data which might be relevant is available in the section above for the Gobblers Knob Trail (#7); otherwise, the requested information is irrelevant.

3W. Aurora Peak Way Trail:

 This way trail leaves the Wonderland Trail just south of Klapatche Park and goes to a viewpoint at the top of Aurora Peak. It has been created in the past primarily by campers who stay in the backcountry camp at Klapatche Park. It is a relatively insignificant way trail which does not intersect with any trails other than the WT, and does not affect hiking or use patterns in any significant way. Any data which might be relevant is available in the section above for the Wonderland Trail, Emerald Ridge to Klapatche Park; otherwise, the requested information is irrelevant.

4W. Sunset Lookout Trails (1 is an Abandoned Constructed Trail and 1 is a Way Trail):

 There are 2 trails at this location; the abandoned constructed trail was the main access trail to the old Sunset Fire Lookout, and the way trail was created primarily by the Golden Lakes backcountry Ranger and hikers camped at the Golden Lakes backcountry camp. It is a shortcut trail from the old lookout site back to the Golden Lakes camp and patrol cabin. Both trails now are relatively insignificant with very little use. Neither trail intersects any trails other than the WT, and neither affects hiking or use patterns in any significant way. Any data which might be relevant is available in the section above for the Wonderland Trail, Klapatche Park to Golden Lakes; otherwise, the requested information is irrelevant.

5W. Tatoosh Traverse Way Trail:

- 1. See GMPTRAIL.DOC
- 2. 2 people per day on trail
- 3. Out of Standard
- 4. Mostly Low Demand, however, near the Pinnacle Saddle at end of Pinnacle Peak Trail, it is Moderate Demand, as people wander a ways on this way trail; part of the Tatoosh Traverse is the primary access to the top of Pinnacle Peak, a popular scramble for novice climbers; otherwise the rest of the way trail is low demand, as parts of it are rugged and most hikers don't want to go far off the constructed trail.
- 5. Average time on trail = 1 hour for most hikers; however for those who do the entire Tatoosh

Traverse or large parts of it, the average time is about 6-10 hours.

- 6. The Tatoosh Traverse is a route primarily along the spine of the Tatoosh Range from Stevens Peak on the east to Eagle Peak on the west. Occasionally, hikers do the entire traverse; however, more frequently, hikers just do sections of this route. The way trail is most defined on the south side of Pinnacle Peak and Castle Peak and over to Plummer Peak. On Plummer Peak is a separate spur trail which leads from Tatoosh Traverse way trail to the top of Plummer Peak. Probably 90% of the use on this way trail is between Plummer Peak and Castle Peak, with a high percentage of that figure for people climbing Plummer, Pinnacle, and Castle.
- 7. Direction of travel varies a lot depending on why hikers have accessed the trail; for climbers going to Plummer, Pinnacle, and Castle, they generally go in and out the same way, with initial access off the Pinnacle Peak Trail. For those doing a through trip along the traverse, most travel is from east to west, although if not doing the entire traverse, travel from west to east from Pinnacle Peak Trail to Unicorn Peak is common.
- 8. The Tatoosh Traverse route is used in 3 principal ways: for access for those climbing Plummer, Pinnacle, and Castle; for doing the entire traverse from Stevens Peak to Eagle Peak; and for doing partial traverses, usually Pinnacle Peak Trail to Eagle Peak Trail, or Pinnacle Peak Trail to Snow Lake Trail. Estimate that 90% of the use of the route is for the climbing access; estimate that 90% of those doing the whole traverse start at the east and go west so that they can start at a higher elevation; estimate that for those doing partial traverses, 50% go from Pinnacle Trail to Eagle Peak Trail, 40% go from Pinnacle Trail to Snow Lake Trail; and 10% go from Snow Lake Trail to Pinnacle Trail.
- 9. Primary trailhead is the parking lot at Reflection Lakes, with space for 50 cars; secondary trailhead is the Snow Lake parking area with space for about 20 cars; thirdly, if someone started at Longmire on the Eagle Peak Trail, there is room for 20 cars at the Longmire Community Building, with more parking available at Longmire.

6W. Plummer Peak Way Trail:

1. As mentioned above in the Tatoosh Traverse section, this way trail branches off the Tatoosh Traverse way trail and goes to the top of Plummer Peak. This way trail is a relatively insignificant trail that does not intersect any other trails and does not affect hiking or use patterns in any significant way. Any data which might be relevant is available in the section above Tatoosh Traverse Way Trail; otherwise, the information requested is irrelevant.

7W. Carbon Boundary Trail--(Abandoned Constructed Trail):

- 1. See GMPTRAIL.DOC
- 2. 2 people per day on trail
- 3. Below Standard
- 4. Low Demand--this trail is similar to the Boundary Trail at Nisqually Entrance--it is all lowland forest hiking with no good views; it is primarily used early season at a conditioning hike when all the higher elevation trails are still snow-covered. Primarily used by groups such as the Mountaineers.
- 5. Average time on trail = 4-6 hours; depending on how far hikers want to go. Suspect that 2-3 hours is spent hiking up trail, 1/2 -1 hour at the turn around point, and 1-2 hours hiking back down the trail.
- 6. Unknown; this trail is sometimes used to access the Alki Crest area, and some hikers make it that far, but others turn around prior to that.
- 7. The trail is primarily a 1 way in and 1 way out, starting and ending at the Carbon River Entrance; however, for those who can navigate where the old trail is now obliterated, a trip from the Carbon River Entrance to the Mowich Road or visa versa is possible, but this trip is rarely done.
- 8. N/A--the trail stands by itself and does not intersect with any other trails.
- 9. 2 primary trailheads--Carbon River Entrance with space for 10 cars, and the park boundary
on the Mowich Lake Road with space for about 10 cars along the road shoulder.

8W. Grindstone Trail (Abandoned Constructed Trail):

- 1. See GMPTRAIL.DOC
- 2. 4 people per day on trail
- 3. Below Standard
- 4. Low Demand for most of the summer; Moderate Demand when the Mowich Road is still closed to visitor vehicles. This trail is primarily used as access to Mowich lake when the road to the lake is still closed to visitor vehicles. Once the road opens to the public, use on the trail drops dramatically, as people drive all the way to the lake. In the Fall when the road once again closes to the public, hikers again start to use the trail, so that they do not have to walk the longer distance on the road.
- 5. Average time on trail = 2 hours--1 hour up trail and 1 hour down trail; most hikers do not stop for a significant amount of time along the trail.
- 6. Most of the people who start the trail make it to Mowich Lake, although some stop short due to fatigue or increasing snow depth. Estimate that 80% of hikers hike the whole trail.
- 7. 1 way in and 1 way out on trail, although some hikers no doubt hike 1 way on the trail and 1 way on the road for variety
- 8. People use this trail to access the trails at Mowich Lake--Spray Park Trail, Wonderland Trail, and the Tolmie Peak Trail. It should be noted that the original Grindstone Trail went from the park boundary all the way to Mowich Lake; however, some of that trail was obliterated by the current road, so now the section of trail primarily used is the upper 2 miles of trail. Use below that is negligible.
- 9. Most of the time when this trail is used, the Mowich Road is open to the public to the Paul Peak trailhead, with space for about 15 cars and overflow for about 30 cars.

9W. Knapsack Pass Way Trail:

- 1. See GMPTRAIL.DOC
- 2. 5 people per day on trail
- 3. Below Standard
- 4. Low Demand--the Knapsack Pass Way Trail is an alternative route to access the Spray Park area from Mowich Lake; however, it is a way trail with minimal improvements as compared to the Spray Park Trail, it is more difficult hiking, and it is not well known by most hikers, hence demand is low; this is appropriate, as we do not want to attract more hikers to this fragile area which only has a partial trail through it.
- 5. Average time on trail = 2-4 hours; estimate 1-2 hours up trail, 1/2-1 hour at Knapsack Pass, and 1 hour down trail if hikers return the same way.
- 6. Estimate that 90% of hikers who start this way trail go all the way to Knapsack Pass; usually it is the hardier hikers who know about this trail and who will attempt it, so most make it at least to the pass. Estimate that of those who make it to the pass, 70% of those continue on the Spray Park area, and 30% return to Mowich Lake the same way.
- 7. Most of the people who hike this way trail make a loop trip out of it, going from Mowich Lake to Knapsack Pass and then to Spray Park, returning to Mowich Lake via the Spray Park Trail. Estimate that 90% of people who hike this loop do it this way (clockwise).
- 8. This way trail intersects with the Spray Park Trail. See #7 above for the common circuit hiked on these trails.
- 9. 1 trailhead--Mowich Lake with space for 30 cars and overflow of 100+ cars

10W. Pyramid Peak Way Trail:

- 1. See GMPTRAIL.DOC
- 2. 5 people per day on trail; **NOTE:** When WS Road was open, and Tahoma Creek Trail was undamaged, estimate about 10 people per day used this trail

- 3. Near Standard
- 4. Low Demand--this way trail starting at the end of the Mirror Lakes Trail is difficult to reach, being a 6-7 mile hike just to reach the start of the way trail; the way trail leads to some very pretty meadows and excellent close up views of the mountain; NOTE: when the WS Road was open and the Tahoma Creek Trail was undamaged, access to this way trail was easier, and so demand was probably moderate then
- 5. Average time on trail = 4 hours, for those going to the end of the way trail which is at the top of Pyramid Peak; estimate that about 50% of those on this trail go all the way to the top of Pyramid Peak; the other 50% stop short, as the trail gets fairly steep going up the last half of Pyramid; for those going to the top of Pyramid, estimate that they spend 2 hours hiking up, 1 hour at the top or at other resting points along the way, and 1 hour hiking down.
- 6. See #5 above.
- 7. 1 way in and 1 way out, assuming that people stay on the way trail; probably 20% leave the way trail and hike at least some of the return trip cross country (off any trails).
- 8. N/A--see #7 above.
- 9. Access to this way trail is from 3 directions--from Longmire with 90 parking spaces & Maternity Curve trailhead with 30 spaces; from Kautz Creek trailhead, with 30 spaces; and from Dry Creek on the WS Road with 40 spaces.

11W. Pinnacle Peak Way Trail:

 This way trail leaves the Pinnacle Peak Trail about 1/3 mile up the trail and goes in a north to south direction to the Pinnacle Glacier. It is used infrequently, and has been created in the past primarily by groups such as the Mountaineers heading up to permanent snow fields of the Pinnacle Glacier to do ice axe practice. We have done no rehab or stabilization of this way trail, but we do not want to encourage use of this way trail because of the resource damage caused by the trail being in terrain that is too steep. Thus the information requested is irrelevant.

12W. McClure Rock Way Trail:

1. This way trail leaves the High Skyline Trail and goes to McClure Rock. It has not had any rehab or stabilization work done to it. Use of the trail is difficult to estimate, as people in this area hike both on and off trail. This way trail is more of a social trail than a trail that the park is trying to promote at this point in time. Perhaps at some future date this trail will become an official way trail, but as of now, the information requested is impossible to obtain and irrelevant, as the park is not even sure we want to promote use of this trail.

13W. Tokaloo Way Trail: (misspelled Takaloo on GIS map)

- 1. See GMPTRAIL.DOC
- 2. 2 people per day on trail; **NOTE:** When WS Road was open, estimate that 10 people per day used this trail.
- 3. Near Standard
- 4. Low Demand--trail is difficult to access, as it is so far from roads; most of the people on this way trail now are climbers going to Tokaloo Spire or up the Tahoma Glacier, but due to closure of the WS Road, climbing activity has dramatically reduced--too long of an approach; in the past there were more day hikers who would use this way trail up past St. Andrews Lake to the lower Puyallup Cleaver. When the WS Road was open to the public, demand on this way trail was moderate.
- 5. Average time on trail = 5-6 hours-2-3 hours up; 1-2 hours at turn around point, wherever that happened to be, and 1-2 hours return
- 6. Estimate that 60% of people on this way trail go to Tokaloo Spire, since most of the people on the trail are climbers.
- 7. 1 way in and 1 way out

- 8. N/A--this way trail leads off the WT at St. Andrews Lake and goes to Tokaloo Spire; no other trails in the area; most people go up and down the same way, although summit climbers will sometimes go in this route and descend the mountain by another route, usually through Camp Muir.
- 9. 1 trailhead at Dry Creek on the WS Road with space for about 40 cars; **NOTE:** when the WS Road was open, the trailhead at St. Andrews Creek had space for about 30 cars.

14W. Champion Access Way Trail (Abandoned "Jeep" Road):

- 1. See GMPTRAIL.DOC
- 2. 1 person per day on trail
- 3. Below Standard--NOTE: We do not want to encourage use of this way trail, as it will promote hikers entering the park's backcountry from adjacent lands outside the park; typically this leads to more problems than when a hiker starts in the park; commonly we see groups with no permits, hikers with dogs, illegal fires, etc. from those groups that enter the park on such trails from outside the park.
- 4. Low Demand--access to this way trail requires a long drive through Champion International land, and the payment of a use fee to them; then because of a locked gate, hikers must hike about 1 mile on a gravel road before reaching the way trail.
- 5. Average time on trail = $1 \frac{1}{2}$ hours--about $\frac{3}{4}$ hour in and $\frac{3}{4}$ hour out
- 6. Since this way trail is an access route to the WT at Golden Lakes, most people who start the trail go all the way to the WT and usually on to Golden Lakes
- 7. 1 way in and 1 way out; it is uncommon to go in this route and exit another way off the WT since it involves leaving a vehicle on Champion Lands for later pickup, or being dropped off at the trailhead
- 8. Most people who use this trail go in and out the same way and use the trail just to access the Golden Lakes area.
- 9. 1 trailhead on Champion International lands, with unlimited space, as there is no designated parking area.

15W. Cliff Lake Way Trail (Golden Lakes):

 This way trail leads off the WT near Golden Lakes and goes to one of the larger lakes in the area. It was created in the past primarily by fishermen who camped in the Golden Lakes area and wanted access to the lake for fishing. It gets minimal use now and is an insignificant way trail--the information requested is irrelevant.

16W. Chenuis Creek Way Trail:

1. This way trail is a continuation of the Chenuis Falls Trail, and leads from the falls to the north park boundary. It is an insignificant way trail that gets minimal use--the information requested is irrelevant.

17W. Crystal Peak Trail (Abandoned Constructed Trail):

 This trail branches off the Crystal Lakes Trail and goes to the site of an old fire lookout on Crystal Peak. It is a relatively little used trail; the data requested is irrelevant. See Crystal Lakes Trail (#53) for related information.

18W. Echo & Observation Rock Way Trail:

- 1. See GMPTRAIL.DOC
- 2. 15 people per day on trail
- 3. Out of Standard
- 4. High Demand--this way trail branches off the Spray Park Trail at the high point of the trail between Spray and Seattle Parks; it heads up to Echo and Observation Rocks, which have excellent close up views of the north side of the mountain; the way trail accesses

permanent snowfields which skiers use throughout the summer; excellent cross country camping; relatively easy access from Mowich Lake.

- 5. Average time on trail = 3-4 hours-1-2 hours up trail; 1 hour at high point/turnaround point; 1 hour down trail
- 6. Estimate that 50% of those who start on the way trail make it to Echo and/or Observation Rock; the other 50% stops lower due to fatigue or lack of time, as the hike is moderately strenuous to the 8000' level.
- 7. 1 way in and 1 way out; however, probably a high percentage of people (70%?) cut cross country on the way out and rejoin the Spray Park Trail somewhere in Spray Park.
- 8. See #7 above--most people go up this way trail due to the easier hiking, and those that don't follow the way trail back cut cross country back to the Spray Park Trail.
- 9. 1 main trailhead at Mowich Lake, with space for 30 cars plus overflow of about 100+ cars.

19W. Lower Curtis Ridge Way Trail:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail
- 3. Out of Standard
- 4. Moderate Demand--trail is used at the primary access to the Liberty Ridge climbing route; excellent camping for people who want to camp in a cross country zone with superb close up views of the spectacular north side of the mountain; access is relatively strenuous as it is about 10 miles on the WT just to get to the start of this way trail;
- 5. Average time on trail = 4 hours--2 hours up trail; 1 hour at high point; 1 hour down trail; many of the people who use this trail are campers who spend the night in this cross country zone.
- 6. Estimate that 70% of the hikers who start on this way trail get up to 7400' elevation, which is near the end of the way trail; most of the camps on the ridge are 7400' down to about 7000'. The other 30% stop below this point due to fatigue or lack of time.
- 7.1 way in and 1 way out.
- 8. N/A--this way trail leads off the WT at the saddle between Mystic Lake and Moraine Park; no other trails in the area; hikers usually go up and down the same route.
- 9. Access is primarily from Sunrise with 200+ spaces and Ipsut Campground with 40 spaces and 30 campsites

20W. Third Burroughs Way Trail:

- 1. See GMPTRAIL.DOC
- 2. 10 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--great views close to the mountain; interesting high elevation subalpine terrain.
- 5. Average time on trail = 2-3 hours--1 hour out, 1 hour back, some time for resting and viewing.
- 6. Estimate that 90% of visitors who start this way trail get to Third Burroughs Mountain.
- 7. Usually 1 way in and 1 way out, unless hikers leave the trail and cut cross country to come back a different way.
- 8. This way trail branches off the Burroughs Mountain/Glacier Basin Trail, which is the only access route to this area; no other trails in the area.
- 9. 1 trailhead--Sunrise with space for 200+ cars.

21W. West Fork Trail (Abandoned Constructed Trail):

- 1. See GMPTRAIL.DOC
- 2. < 5 people per day on trail
- 3. Below Standard
- 4. Low Demand--lower forest trail with no good views except of river; primarily used as access to Lake James, and Northern Lakes area
- 5. Average time on trail = 2-3 hours, split evenly going in and going out
- 6. Estimate that 90% of hikers who start this way trail make it to the end of the trail which is at the jct with the Northern Loop Trail.
- 7. I way in and 1 way out for most hikers; virtually none come out a different way
- 8. This way trail goes from the north park boundary to the Northern Loop Trail at Van Horn Falls. From there, hikers access the Lake James, Northern Lakes area, and then return the same way.
- 9. 1 trailhead--West Fork trailhead on USFS land with 10-20 spaces

22W. Eleanor Creek Way Trail:

- 1. See GMPTRAIL.DOC
- 2. 12 people per day on trail
- 3. Near Standard
- 4. Moderate Demand--easy access to Lake Eleanor and a backcountry camp at lake; good fishing; very easy access to Grand Park compared to hiking from Sunrise
- 5. Average time on trail = 2 hours--1/2 hour both in and out, and 1 hour at lake
- 6. The way trail is so short that virtually everyone who starts this trail goes to the end at the lake.
- 7.1 way in and 1 way out
- 8. This way trail goes from the north park boundary to Lake Eleanor, where it joins the Lake Eleanor Trail; hikers using this way trail hike in to the lake or go beyond to Grand Park and then return the same way.
- 9. 1 trailhead--Lake Eleanor trailhead on USFS land, with 15 spaces

23W. Independence Ridge Trail (Abandoned Constructed Trail):

- 1. See GMPTRAIL.DOC
- 2. 2 people per day on trail
- 3. Below Standard
- 4. Low Demand--interesting natural bridge off the trail, but very long distance from trailheads and relatively difficult access.
- 5. Average time on trail = 2 hours, including a side trip to the Natural Bridge (see #24 below)
- 6. Virtually everyone who goes out this way trail goes to the Natural Bridge, since access is so close to start of the way trail; 10% or so go further out on the Independence Ridge

Way Trail

7.1 way in and out

- 8. This way trail leads off the Northern Loop Trail and goes north along Independence Ridge. A side trail branches off this way trail and goes to the Natural Bridge, which is the primary attraction on this trail; hikers go in and out on the same trail and get back on the Northern Loop Trail
- 9. 3 trailheads--Sunrise with 200+ spaces; Ipsut Creek Campground with space for 40 cars and 30 campsites; West Fork trailhead on USFS land with 10-20 spaces

24W. Natural Bridge Trail (Abandoned Constructed Trail):

- 1. See GMPTRAIL.DOC
- 2. 2 people per day on trail
- 3. Below Standard
- 4. Low Demand--see #23 above
- 5. Average time on trail = 1/2 hour
- 6. Virtually everyone who goes on this way trail goes to the end to view the Natural Bridge.
- 7.1 way in and 1 way out
- 8. This way trail leads off the Independence Ridge Way Trail which leads off the Northern Loop Trail. Hikers go in and out the same way to reach the Natural Bridge.
- 9. 3 trailheads--see #23 above

25W. Southeast Boundary Trail (Abandoned Constructed Trail):

- 1. See GMPTRAIL.DOC
- 2. <2 people per day on trail
- 3. Below Standard
- 4. Low Demand--lower forest trail with no views; trail not maintained and difficult to follow; steep terrain
- 5. Average time on trail = 4-5 hours
- 6. Very little use on this trail; it is a possible access to Three Lakes and the Pacific Crest Trail; no other significant destinations along the trail
- 7. Most hikers use the trail in and out the same way; however, it is an alternate way to get to or back from Three Lakes and the PCT, so it could be a connecting trail also
- 8. This way trail connects to the PCT and to the Laughingwater Creek Trail; use is primarily by Rangers on hunting patrol or by hunters; little other use
- 9. 1 main trailhead at Ohanapecosh Campground with 20 spaces and 200 campsites; parking of an undetermined amount is also available along various places on the Carlton Creek Road.

26W. Backbone Ridge Trails (Abandoned Constructed Trails):

- 1. See GMPTRAIL.DOC
- 2. <1 hiker on trail per week
- 3. Below Standard
- 4. Low Demand--trails are old, not maintained, and hard to follow; all forested, with no views and no good destinations.
- 5. Average time on trail = 3-4 hours, for those out exploring old trails.
- 6. Unknown--no specific destinations along these old trails
- 7. Most people probably go in and out the same way; however, it is possible to follow 1 trail and then reach the Stevens Canyon Road at another spot by following a different branch of these trails.
- 8. There are 3 primary way trails in this group--1 leads from the apex of Backbone Ridge on the Stevens Canyon Road and goes north--this is the Backbone Ridge Trail. About 2 miles up this way trail, a branch leads down and to the west; this branch is called the Blister Rust Trail; a branch also leads to the east and both branches eventually intersect the Stevens Canyon Road. There is so little use of these trails that there

is no system of use.

9. There are parking areas at each of the 3 access points to these way trails--the largest is at Backbone Ridge and there is space there for 50+ cars; at each of the other trailheads, there are small lots, with space for about 5-10 cars.

27W. Deadwood Lakes Way Trail:

- 1. See GMPTRAIL.DOC
- 2. 5 people per day on trail
- 3. Below Standard
- 4. Low Demand--pretty lake, but access trail is not obvious
- 5. Average time on trail = 3 hours-1 hour to hike in and out, and 2 hours at lake (fishing, etc.)
- 6. trail is short and objective is the lakes, so most (70%) who start this trail go to the end; the rest turn around at the ridge crest above the lake
- 7. 1 way in and 1 way out
- 8. N/A--no other trails in the area; access is off the Pacific Crest Trail
- 9. 1 trailhead--Chinook Pass with space for 40 cars.

Walker, Greg

From:	Suzann Essman
Sent:	Thursday, June 11, 1998 8:52 AM
То:	Walker, Greg
Subject:	Re: MORA TRAILS - JUST A FEW YEAH

High

Importance:

I hope this information helps.

Carl F

Reply Separator

Subject: MORA TRAILS - JUST A FEW YEAH Author: Suzann Essman at NP-DENVER Date: 6/10/98 10:31 AM

HI GUYS, THE WORK YOU GUYS DID WAS GREAT MANY MANY MANY THANKS THERE ARE JUST A FEW THAT ARE MISSING AS FOLLOWS:

RICK'S LIST

INTER GLACIER (SUNRISE AREA) LAKE LOUISE SHADOW LAKE(SUNRISE AREA) SPRAY FALLS SPUR (MOWICH AREA OFF SPRAY PARK TRAIL) LOWER LAKES (PARADISE AREA INSIDE VALLEY ROAD)

CARL'S LIST

INTER GLACIER (SUNRISE AREA) This is currently considered a way trail and is not maintained. If the trail is added to the maintenance list it will become part of the Glacier Basin Trail LAKE LOUISE A short(<.1 mi.) way trail from the hiway to the lake SHADOW LAKE(SUNRISE AREA)This is not separate trail but is a part of the Wonderland Trail SPRAY FALLS SPUR (MOWICH AREA OFF SPRAY PARK TRAIL)This trail is not considered a separate trail but is part of the Spray Park Trail.

DARIN'S LIST

WAY TRAILS (NOT SURE IF WE NEED ON MAP OR NOT? YOU GUYS DECIDE)

CHENUIS CREEK TRAIL PINNACLE PEAK WAY TRAIL

TRAIL- TRAILS

BOX CANYON OVERLOOK TRAIL PET EXERCISE LOOP(SUNRISE) ECHO/OBSERVATION ROCK TRAIL (SEE BELOW IN GREEN) LOWER CURTIS RIDGE WAY TRAIL (SEE BELOW IN GREEN) BURROUGHS MT/GLACIER BASIN TRAIL (? IS THIS BURROUGHS LOOP ON YOUR MAP OR A COMBO OF TRAILS -TALK WITH RICK AND CARL???)

75. Burroughs Mountain/Glacier Basin Trail: (NOTE: From First Burroughs Mountain to Glacier Basin Trail) 1. Fabiani

2. 40 people per day on trail

Out of Standard

4. High Demand---great views of the mountain; access to interesting high subalpine area;

potential loop trips; easy access from Sunrise and White River Campground

5. Average time on trail = 3-4 hours with time for resting and views and return

6. Estimate that 75% of hikers go only to Second Burroughs Mountain; 20% go to Third

Burroughs Mountain; only 5% follow the trail to the Glacier Basin Trail.

7. Most hikers (90+%) go out and back from Sunrise; only about 5% make the loop to

the Glacier Basin Trail and to White River Campground.

8. See #6 & 7 above.

9. Primary trailhead is Sunrise with 200+ spaces; White River

Campground is a secondary trailhead with 60 spaces and 100 campsites.

Echo & Observation Rock Way Trail:

1. Fabiani

2. 15 people per day on trail

3. Out of Standard

4. High Demand--this way trail branches off the Spray Park Trail at the high point of the trail

between Spray and Seattle Parks; it heads up to Echo and Observation Rocks, which

have excellent close up views of the north side of the mountain; the way trail accesses

permanent snowfields which skiers use throughout the summer; excellent cross

country camping; relatively easy access from Mowich Lake. 5. Average time on trail = 3-4 hours--1-2 hours up trail; 1 hour at high point/turnaround point;

1 hour down trail

6. Estimate that 50% of those who start on the way trail make it to Echo and/or Observation

Rock; the other 50% stops lower due to fatigue or lack of time, as the hike is

moderately strenuous to the 8000' level.

7. 1 way in and 1 way out; however, probably a high percentage of people (70%?) cut cross

country on the way out and rejoin the Spray Park Trail

somewhere in Spray Park.

8. See #7 above--most people go up this way trail due to the easier hiking, and those that

don't follow the way trail back cut cross country back to the Spray Park Trail.

9. 1 main trailhead at Mowich Lake, with space for 30 cars plus overflow of about 100+ cars.

19W. Lower Curtis Ridge Way Trail:

1. Fabiani

2. 10 people per day on trail

3. Out of Standard

4. Moderate Demand--trail is used at the primary access to the Liberty Ridge climbing route;

excellent camping for people who want to camp in a cross country zone with

superb close up views of the spectacular north side of the mountain; access is relatively

strenuous as it is about 10 miles on the WT just to get to the start of this way trail;

5. Average time on trail = 4 hours--2 hours up trail; 1 hour at high point; 1 hour down trail;

many of the people who use this trail are campers who spend the night in this

cross country zone. 6. Estimate that 70% of the hikers who start on this way trail get up to 7400' elevation, which is near the end of the way trail; most of the camps on the

ridge are 7400' down to about 7000'. The other 30% stop below this point due to

fatigue or lack of time.

7. 1 way in and 1 way out.
8. N/A--this way trail leads off the WT at the saddle between Mystic Lake and Moraine Park;

no other trails in the area; hikers usually go up and down the same route.

9. Access is primarily from Sunrise with 200+ spaces and Ipsut Campground with 40 spaces and 30 campsites

TO: Bill Byrnes

FROM: Trails Foreman, Mt. Rainier National Park

SUBJECT: Trail Information

The following is the requested trail information from Mt. Rainier's trail system. This information consists of the basic physical characteristics of trail name, trail type, length, width, surfacing and grade.

Note: The bolded numbers prior to each trail refer to the number used in the trails.doc document, for each respective trail. I thought it would help you cross reference the two trail documents.

NISQUALLY/LONGMIRE/PARADISE AREA:

38)TRAIL OF THE SHADOWS, Type B, 0.7 Mi., 6 to 8 ft. wide, gravel and natural surface, 5% grade.

(22) NARADA FALLS TRAIL, Type B, 0.8 Mi., 4 to 6 ft. wide, asphalt and natural surface, 5 to 15% grade.

1) EAGLE PEAK TRAIL, Type B, 3.6 Mi., 2 to 6 ft. wide, natural surface, 10 to 20% grade.

46) SKYLINE TRAIL, Type B, 6.0 Mi., 4 to 8 ft. wide, asphalt, gravel and natural surface, 5 to 20% grade.

(49)HIGH SKYLINE TRAIL, Type B, 0.8 Mi., 4 to 6 ft. wide, natural surface, 10% grade.

/(24) PARADISE GLACIER TRAIL, Type B, 1.6 Mi., 2 to 4 ft. wide, natural surface, 5% grade.

2) TWIN FIRS TRAIL, Type B, 0.4 Mi., 2 to 4 ft. wide, natural surfacing, 0 to 20% grade.

(45) ALTA VISTA TRAIL, Type A, 1.1 Mi., 4 to 8 ft. wide, asphalt surface, 5 to 15% grade.

(25) EBBLE CREEK TRAIL, Type B, 0.6 Mi., 3 ft. wide, gravel and natural surface, 10 to 20% grade.

(45)GUIDE HOUSE TRAIL, Type A, 0.1 Mi., 8 ft. wide, asphalt surface, 5 to 10%.

(45) AVALANCHE LILY TRAIL, Type A, 0.3 Mi., 8 ft. wide, asphalt surface, 5 to 10%.

(45) WATERFALL TRAIL, Type A, 0.4 Mi., 8 ft. wide, asphalt surface, 5 to 10%. ((48) GLACIER VISTA TRAIL, Type A, 0.2 Mi., 4 to 6 ft. wide, gravel and natural surface, 10% grade. 45) DEADHORSE CREEK TRAIL, Type A, 1.2 Mi., 4 to 8 ft. wide, asphalt and natural surface, 5 to 15% grade. 51) MORAINE TRAIL, Type B, 0.5 Mi., 2 ft. wide, natural -surface, 10% grade. (47) GOLDEN GATE TRAIL, Type B, 1.0 Mi., 4 to 6 ft. wide, gravel and natural surface, 10% grade. (50) FOURTH CROSSING TRAIL, Type B, 0.3 Mi., 2 to 4 ft. wide, natural surface, 10% grade. 45 YNISQUALLY VISTA TRAIL, Type B, 0.9 Mi., 4 to 8 ft. wide, asphalt surface, 5 to 10% grade. (23) LAKES TRAIL (MAZAMA RIDGE), Type B, 1.9 Mi., 2 to 4 ft. wide, natural surface, 5 to 10% grade. 42) HIGH LAKES TRAIL, Type B, 1.2 Mi., 2 to 4 ft. wide, natural surface, 10% grade. ->LOWER LAKES TRAIL, Type B, 1.5 Mi., 2 to 4 ft. wide, natural surface, 10% grade. 9) ROUND PASS TRAIL, Type B, 0.6 Mi., 4 ft. wide, natural surface, 10% grade. 4) MIRROR LAKES, Type B, 0.6 Mi., 2 to4 ft. wide, natural surface, 5% grade. 6) TAHOMA CREEK TRAIL, Type B, 2.1 Mi., 4 to 6 ft. wide, natural surface, 10% grade. 10) SOUTH PUYALLUP (SOUTH FORK TRAIL), Type B, 1.6 Mi., 3 ft. wide, natural surface, 10% grade. 20) SNOW LAKE (BENCH LAKE TRAIL), Type B, 1.2 Mi., 2 to 4 ft. wide, natural surface, 10% grade. 26) COMET FALLS/VAN TRUMP PARK TRAIL, Type B, 5.6 Mi., 3 to 6 ft. wide, natural surface, 10 to 20% grade.

27)MILDRED POINT TRAIL, Type B, 0.6 Mi., 2 to 4 ft. wide, natural surface, 10 to 20% grade.

21) PINNACLE PEAK TRAIL, Type B, 1.3 Mi., 6 ft. wide, natural surface, 10 to 15% grade.

13) NORTH PUYALLUP TRAIL, Type B, 2.7 Mi., Old road bed, gravel and natural surface, 5% grade.

39) KAUTZ CREEK OVERLOOK TRAIL, Type B, 0.1 Mi., 6 ft. wide, Synthetic Lumber surface, 0% grade.

12) DENMAN FALLS TRAIL, Type B, 0.2 Mi., 4 ft. wide, natural surface, 10% grade.

5) KAUTZ CREEK TRAIL, Type B, 5.7 Mi., 2 to 4 ft. wide, natural surface, 5 to 20 % grade.

3) RAMPART RIDGE TRAIL, Type B, 2.9 Mi., 3 to 6 ft. wide, natural surface, 10% grade.

11)ST. ANDREWS CREEK TRAIL, Type B, 2.6 Mi., 4 to 6 ft. wide, natural surface, 10% grade.

7) GOBBLERS KNOB TRAIL, Type B, 2.4 Mi., 4 ft. wide, natural surface, 10% grade.

8) GOAT LAKE TRAIL, Type B, 0.4 Mi. to Park boundary, 1.2 Mi. to Goat Lake, 2 to 4 ft. wide, natural surface, 10% grade.

OHANAPECOSH AREA TRAILS

68) EASTSIDE TRAIL, Type B, 11.5 Mi., 4 ft. wide, natural surface, 5 to 10% grade.

69) GROVE OF THE PATRIARCHS, Type B, 0.3 Mi., 6 ft. wide, natural surface, 5% grade.

70) LAUGHINGWATER CREEK TRAIL, Type B, 7.3 Mi., 4 to 6 ft. wide, natural surface, 10% grade.

61)OWYHIGH LAKES TRAIL, Type B, 8.9 Mi., 2 to 8 ft. wide, natural surface, 10% grade.

78)HOT SPRINGS INTERPRETIVE TRAIL, Type B, 0.3 Mi., 6 ft. wide, natural surface, 5% grade. Mt. Rainier National Park Trail Information

19) STEVENS CREEK TRAIL, Type B, 0.7 Mi., 6 ft. wide, natural surface, 10 to 15 % grade.

40) BOX CANYON OVERLOOK TRAIL, Type B, 0.1 Mi., 8 ft. wide, asphalt surface, 5% grade.

73) SHRINER PEAK TRAIL, Type B, 4.2 Mi., 4 ft. wide, natural surface, 10 to 15% grade.

71)COWLITZ DIVIDE TRAIL, Type B, 4.3 Mi., 2 to 4 ft. wide, natural surface, 10% grade.

72) SILVER FALLS LOOP TRAIL, Type B, 2.7 Mi., 6 ft. wide, natural surface, 5 to 10% grade.

59) NACHES LOOP TRAIL, Type B, 1.4 Mi., 4 ft. wide, natural surface, 5 to 10% grade.

CARBON RIVER AREA TRAILS

74) NORTHERN LOOP TRAIL, Type B, 17 Mi., 2 to 6 ft. wide, natural surface, 5 to 15% grade.

17) SPRAY PARK/SEATTLE PARK TRAIL, Type B, 8.0 Mi., 3 to 6 ft. wide, gravel and natural surface, 5 to 15% grade.

18) TOLMIE PEAK TRAIL, Type B, 1.8 Mi., 3 to 6 ft. wide, natural surface, 10% grade.

41) RAIN FOREST LOOP TRAIL, Type B, 0.3 Mi., 4 to 6 ft. wide, natural surface, 0% grade.

16) CHENUIS FALLS TRAIL, Type B, 0.2 Mi., 2 to 4 ft. wide, natural surface, 0 to 5% grade.

15) GREEN LAKE TRAIL, Type B, 1.8 Mi., 4 to 6 ft. wide, natural surface, 10% grade.

14) PAUL PEAK TRAIL, Type B, 3.1 Mi., 3 to 6 ft. wide, natural surface, 10% grade.

WHITE RIVER AREA TRAILS

PET EXERCISE LOOP(SUNRISE), Type B, 0.3 Mi., 2 to 4 ft. wide, natural surface, 5 to 10 % grade. Mt. Rainier National Park Trail Information

60)SILVER FOREST TRAIL, Type B, 0.8 Mi., 4 to 6 ft. wide, natural surface, 5% grade.

52) BURROUGHS MT. TRAIL, Type B, 3.5 Mi., 4 to 6 ft. wide, natural surface, 10% grade.

80) SOURDOUGH RIDGE TRAIL, Type B, 4.0 Mi., 4 to 8 ft. wide, natural surface, 5 to 10% grade.

76) SUNRISE RIM TRAIL, Type B, 0.5 Mi., 4 to 6 ft. wide, natural surface, 5% grade.

54) MOUNT FREMONT TRAIL, Type B, 1.3 Mi., 4 to 6 ft. wide, natural surface, 0 to 10% grade.

75) BURROUGHS MT./GLACIER BASIN TRAIL, Type B, 2.8 Mi., 2 to 6 ft. wide, natural surface, 10% grade.

63) PALISADES LAKE TRAIL, Type B, 3.6 Mi., 2 to 4 ft. wide, natural surface, 0 to 10% grade.

58) HIDDEN LAKE TRAIL, Type B, 0.6 Mi., 2 to 4 ft. wide, natural surface, 20% grade.

79) TIPSOO LAKE TRAILS, Type B, 1.0 Mi., 4 to 6 ft. wide, gravel and natural surface, 0 to 5% grade.

53) CRYSTAL LAKES TRAIL, Type B, 3.2 Mi., 2 to 4 ft. wide, natural surface, 10% grade.

55) GLACIER BASIN TRAIL, Type B, 3.1 Mi., 4 to 6 ft. wide, natural surface, 5 to 10% grade.

77) EMMONS MORAINE TRAIL, Type B, 0.5 Mi., 2 to 4 ft. wide, natural surface, 10% grade.

56)LAKE ELEANOR TRAIL, Type B, 3.3 Mi., 1 to 4 ft. wide, natural surface, 0 to 10% grade.

57) HUCKLEBERRY CREEK TRAIL, Type B, 8.0 Mi. 2 to 4 ft. wide, natural surface, 10% grade.

WONDERLAND TRAIL 14 SECTIONS

- 30)1. LONGMIRE TO INDIAN HENRY'S, Type B, 6.8 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 31)2. INDIAN HENRY"S TO EMERALD RIDGE, Type B, 3.8 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 32)3. EMERALD RIDGE TO KLAPATCHE PARK, Type B, 5.5 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 33)4. KLAPATCHE PARK TO GOLDEN LAKES, Type B, 7.8 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 34)5. GOLDEN LAKES TO MOWICH LAKE, Type B, 10 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 35)6. MOWICH LAKE TO IPSUT CREEK, Type B, 5.1 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 36)7. IPSUT CREEK TO MYSTIC LAKE, Type B, 7.1 Mi., 4 ft. wide, natural surface, 10% grade.
- 37)8. MYSTIC LAKE TO SUNRISE, Type B, 8.7 Mi., 4 ft.) wide, natural surface, 10% grade.
- 64)9. SUNRISE TO WHITE RIVER C.G. Type B, 4.0 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 65)10.WHITE RIVER C.G. TO SUMMERLAND, Type B, 5.1 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 66)11.SUMMERLAND TO INDIAN BAR, Type B, 4.5 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 67)12.INDIAN BAR TO BOX CANYON, Type B, 7.5 Mi., 2 to 4 ft. wide, natural surface, 10% grade.
- 28)13.BOX CANYON TO REFLECTION LAKES, Type B, 7.1 Mi., 2 to 4ft. wide, natural surface, 10% grade.
- 29)14.REFLECTION LAKES TO LONGMIRE, Type B, 5.5 Mi., 2 to 4 ft. wide, natural surface, 10% grade.

WAY TRAILS

The following is a list of Way Trails whose presence is believed to have some impact on visitor use patterns. All Way Trails are Type C and have natural surfacing. These trails have not been inventoried for length, width, grade, etc. so the related information is best guesstimates.

1W) NISQUALLY BOUNDARY, 3.0 Mi., steep grade.

10W) PYRAMID PEAK, 1.5 Mi., moderate to steep grade.

5W) TATOOSH TRAVERSE, 2.0 Mí., moderate to steep grade.

7W)BOUNDARY TRAIL CARBON RIVER, 12 Mi., moderate to steep grade, 2 to 4 ft. wide.

8W)GRINDSTONE TRAIL, 2.0 Mi., moderate grade, 2 to 4 ft. wide.

9W) KNAPSACK PASS TRAIL, 1.5 Mi., moderate to steep grade, 2 ft. wide.

18W) ECHO/OBSERVATION ROCK TRAIL, 1 Mi., moderate grade, 2 ft. wide.

13W) TOKALOO TRAIL, 3 Mi., moderate to steep grade.

14W) CHAMPION ACCESS TRAIL, 1 Mi., low to moderate grade.

19W) LOWER CURTIS RIDGE, 2 Mi., moderate grade.

26W) BACKBONE RIDGE TRAILS, 7 Mi., moderate grade, 2 to 4 ft. wide.

(21W) WEST FORK TRAIL, 2 Mi., low grade, 2 to 4 ft. wide.

22W) ELEANOR CREEK TRAIL, 1 Mi., low to moderate grade, 2 to 4 ft. wide.

23W) INDEPENDENCE RIDGE TRAIL, 2.0 Mi., low to moderate grade, 2 to 4 ft. wide.

20W) THIRD BURROUGHS TRAIL, 1.5 Mi., moderate grade.

27W) DEADWOOD LAKES, 1.0 Mi., moderate to steep grade.

 $24 \text{W})\,\text{NATURAL BRIDGE TRAIL, 0.25 Mi., 10 to 20\% grade, 2 to 4 ft. wide.$

25W) SOUTHEAST BOUNDARY TRAIL, 7 Mi.