

ZION NATIONAL PARK
PUBLIC USE REPORTING AND COUNTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Zion National Park. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

1. An inductive loop traffic counter is located across the entrance lane near the South Entrance Kiosk. The traffic count is reduced for non-recreation vehicles (see Table 1), buses, and non-reportable vehicles (see Table 1). The reduced traffic count is multiplied by the persons-per-vehicle (PPV) multiplier in Table 2.
2. An inductive loop traffic counter is located across the entrance lane near the East Entrance Kiosk. The traffic count is reduced for buses. The reduced traffic count is multiplied by the PPV multiplier in Table 2.
3. An inductive loop traffic counter is located across the entrance lane at Kolob Canyon. The adjusted traffic count is reduced for buses. The reduced traffic count is multiplied by the PPV multiplier according to Table 2.
4. An inductive loop traffic counter is located across the entrance lane at Kolob Terrace. The traffic count is multiplied by the PPV multiplier in Table 2.
5. The number of bus passengers at East Entrance, South Entrance, and Kolob Canyon is estimate by multiplying the number of buses by the person per bus multiplier in Table 3.
6. The number of visitors entering the park at the River Station Entrance.

Table 1
 Number of Non-reportable and Non-recreation Vehicles by Month

MONTH	NONREPORTABLE VEHICLES	NONRECREATION VEHICLES
JANUARY	1,550	1,550
FEBRUARY	1,400	1,400
MARCH	1,550	1,550
APRIL	1,500	1,500
MAY	1,550	1,550
JUNE	1,500	1,500
JULY	1,550	1,550
AUGUST	1,550	1,550
SEPTEMBER	1,500	1,500
OCTOBER	1,550	1,550
NOVEMBER	1,500	1,500
DECEMBER	1,550	1,550

Table 2
 PPV Multipliers by Location and Season

LOCATION	SEASON	PPV MULTIPLIER
EAST ENTRANCE	SEPTEMBER THROUGH FEBRUARY	2.2
	MARCH AND APRIL	2.8
	MAY	2.2
	JUNE, JULY, AND AUGUST	2.8
SOUTH ENTRANCE	OCTOBER THROUGH FEBRUARY	2.3
	MARCH AND APRIL	2.7
	MAY	2.3
	JUNE THROUGH SEPTEMBER	2.6
KOLOB TERRACE	SEPTEMBER THROUGH MAY	2.2
	JUNE, JULY, AND AUGUST	2.6
KOLOB CANYON	SEPTEMBER THROUGH FEBRUARY	2.3
	MARCH THROUGH AUGUST	2.6

Table 3
PPB Multipliers by Location and Season

LOCATION	SEASON	PPB MULTIPLIER
East Entrance	All Months	32
Kolob Canyon	All Months	32
South Entrance	November through March	20
	April through October	28

Non-recreation Visits

Non-recreation vehicles (South Entrance only) are estimated as 50 per day. The vehicle count is multiplied by the PPV multiplier of 1.2.

Recreation Visitor Hours

Recreation visitor hours are the sum of the subtotals of each of the categories listed in Table 4. Each subtotal is the result of multiplying the number of visitors associated with that category by its length-of-stay multiplier.

Table 4
Average Length-of-Stay Multipliers by Category

CATEGORY	AVERAGE LENGTH-OF-STAY
VISITORS ENTERING SOUTH ENTRANCE (EXCLUDING BUS PASSENGERS)	5.5 Hours
VISITORS ENTERING EAST ENTRANCE (EXCLUDING BUS PASSENGERS)	5.5 Hours
VISITORS ENTERING KOLOB CANYON (EXCLUDING BUS PASSENGERS)	1.0 Hour
VISITORS ENTERING KOLOB TERRACE	2.0 Hours
BUS PASSENGERS	2.5 Hours
OVERNIGHT STAYS	18.0 Hours

Non-recreation Visitor Hours

Non-recreation visitor hours are 15 minutes (0.25 hour) per visit.

Overnight Stays

Concessioner Lodging - Zion Lodge

The number of overnight stays at concessioner managed lodge.

NPS Campgrounds - South Campground and Watchman Campground

The number of tent or RV sites occupied is multiplied by the PPV multiplier in Table 2.

NPS Backcountry - Miscellaneous locations in Zion Canyon and Kolob.

The number of backcountry overnight stays.

NPS Miscellaneous - Watchman Group Campground and Illegal Roadside Campers

The number of overnight stays at Watchman group camping areas.

Special Use Data

- Line a. The number of vehicles at the South entrance
- Line b. The number of vehicles at the East entrance
- Line c. The number of vehicles at Kolob Canyon Road
- Line d. The number of vehicles at Kolob Terrace Road
- Line d. Visitors on Narrows Trail
- Line e. Visitors on Lee Pass Trail
- Line f. The number of visitors at the River Station entrance
- Line g. The number of vehicles on Canyon Drive
- Line n. The number of tour buses

¹ Source 1991 Survey