

REDWOOD NATIONAL PARK

VISITOR USE COUNTING AND REPORTING INSTRUCTIONS

Following are detailed instructions for collecting data and estimating visitor use statistics for **Redwood National Park**. These instructions are effective the date of issuance and will continue in effect unless changed by agreement between the NPS Social Science Program and the Park Superintendent.

Recreation Visits

1. A magnetometer traffic counter is located on Howland Hill Road. The traffic count is multiplied by 0.5865 to correct for road geometry and slow moving vehicles. The corrected traffic count is reduced by 100 non-reportable (NPS) vehicles and multiplied by 2.7 persons per vehicle April through October or 2.3 persons per vehicle November through March. Howland Hill Road visits are expanded to Jedediah Smith subdistrict total visits by multiplying by 7.614 March through May, 9.351 June through August, 9.146 September through November, or 10.658 December through February. Total subdistrict visits are converted to unique subdistrict recreation visits by multiplying the subdistrict total by 0.9283 March through May, 0.9396 June through August, 0.9465 September through November, or 0.9566 December through February.
2. A magnetometer traffic counter is located on Enderts / Crescent Beach Road. The traffic count is divided by two to account for entry and exit. The traffic count is multiplied by 0.8771 to correct for road geometry and slow moving vehicles. The corrected traffic count is reduced by 180 non-reportable (NPS) vehicles and multiplied by 2.7 persons per vehicle April through October or 2.3 persons per vehicle November through March. Enderts / Crescent Beach Road visits are expanded to Coastline subdistrict total visits by multiplying by 1.752 March through May, 1.644 June through August, 1.920 September through November, or 1.6447 December through February. Total subdistrict visits are converted to unique subdistrict recreation visits by multiplying the subdistrict total by 0.7438 March through May, 0.6674 June through August, 0.7175 September through November, or 0.7909 December through February.
3. A magnetometer traffic counter is located on Davison Road. The traffic count is divided by two to account for entry and exit. The traffic count is multiplied by 0.9091 to correct for road geometry and slow moving vehicles. The corrected traffic count is reduced by 100 non-reportable (NPS) vehicles and multiplied by 2.7 persons per vehicle April through October or 2.3 persons per vehicle November through March. Davison Road visits are expanded to Prairie Creek subdistrict total visits by multiplying by 1.5574 March through May, 1.7919 June through August, 1.5733 September through November, or 1.5954 December through February. Total subdistrict visits are converted to unique recreation visits by multiplying the subdistrict total by 0.7532 March through May, 0.7603 June through August, 0.7988 September through November, or 0.8623 December through February.
4. A magnetometer traffic counter is located at the entrance to Freshwater Lagoon parking area. The traffic count is divided by two to account for entry and exit. The corrected traffic count is reduced by 100 non-reportable (NPS) vehicles and multiplied by 2.7 persons per vehicle April through October or 2.3 persons per vehicle November through March. Freshwater Lagoon visits are expanded to Freshwater subdistrict total visits by multiplying by 1.2333 March through May, 1.2645 June through August, 1.3030 September through November, or 1.7368 December through February. Total subdistrict visits are converted to unique recreation visits by multiplying the subdistrict total by 0.3213 March through May, 0.3418 June through August, 0.3643 September through November, or 0.4788 December through February.

5. A passive infrared trail counter is located at the entrance to the Lady Bird Johnson Nature Trail. The trail count is divided by two to account for entry and exit and then reduced by 20 non-reportable (NPS staff) counter crossings. Lady Bird Johnson visits are expanded to Bald Hills subdistrict total visits by multiplying by 2.3333 March through May, 4.0555 June through August, 4.0093 September through November, or 5.4818 December through February. Total subdistrict visits are converted to unique recreation visits by multiplying the subdistrict total by 0.6986 March through May, 0.7884 June through August, 0.8037 September through November, or 0.8725 December through February.

The sum of subdistrict visits 1 through 5 above is multiplied by 0.0919 March through May, 0.08274 June through August, 0.07139 September through November, or 0.05145 December through February to account for same-day duplicate reporting across subdistricts. This yields total recreation visits for the combined Redwood National and State Parks. This total is multiplied by 0.5047 March through May, 0.4569 June through August, 0.4577 September through November, or 0.4484 December through February to estimate recreation visits for Redwood National Park (NPS administered lands only).

Non-Recreation Visits

1. There are 180 CAL FIRE staff vehicles at Klamath Beach Road per month. The vehicle count is multiplied by 1 person per vehicle.
2. There are 60 CAL FIRE crew vehicles at Klamath Beach Road per month. The vehicle count is multiplied by 12 persons per vehicle.
3. There is one tribal vehicle at Klamath Beach Road per month. The vehicle count is multiplied by 2 persons per vehicle.

Recreation Visitor Hours

1. Recreation visits are multiplied by three hours and thirty minutes (3.5 hours).
2. Overnight stays are multiplied by twenty-one hours thirty minutes (21.5 hours).

Non - Recreation Visitor Hours

1. CAL FIRE staff and crew non-recreation visits are multiplied by 15 minutes per stay (0.25 hours).
2. Tribal non-recreation visits are multiplied by one hour per stay.

Overnight Stays

NPS Backcountry

1. The number of backcountry overnight permits at Redwood Creek is multiplied by 4 June through August and 2 September through May to estimate overnight stays.
2. The number of backcountry overnight permits at Elam Camp is multiplied by 4 June through August and 2 September through May to estimate overnight stays.

3. The number of backcountry overnight permits at Flint Ridge is multiplied by 4 June through August and 2 September through May to estimate overnight stays.
4. The number of backcountry overnight permits at De Martin is multiplied by 4 June through August and 2 September through May to estimate overnight stays.
5. The number of backcountry overnight permits at Little Bald Hills is multiplied by 4 June through August and 2 September through May to estimate overnight stays.
6. The number of backcountry overnight permits at 44 Backcountry Camp is multiplied by 4 June through August and 2 September through May to estimate overnight stays.

NPS Miscellaneous - Environmental Schools

The number of nights group campers stay at the Environmental Schools camping area.