



**US Army Corps
of Engineers**



Campground Receipt Study Software 1994

Samuel F. Franco, U.S. Army Engineer Waterways Experiment Station

Purpose

This technical note provides Campground Receipt Study software and supporting information that allows users to develop trend information for day-use permit data collected using the Automated Use Permit System (AUPS). This technical note and the accompanying computer software were written and developed as part of the Natural Resources Research Program work unit "Evaluation of Camping Trends at Corps of Engineers Projects." Instructions for obtaining a copy of this software are provided at the end of this technical note. A final version of this software is scheduled to be distributed after September 1995.

Background

Data summarized by this software are collected by AUPS users, located at approximately 150 Corps projects. Each project is free to use AUPS to collect "trend information" and to choose the rate at which this information is collected. All users of AUPS can employ this software, but the summary of calculated use characteristics will be available only to those projects that collect trend information. The accuracy of the statistical report will vary depending on the rate at which the data were collected.

Installing Campground Receipt Study (CRS) Software 1994

To install CRS Software 1994, complete the following steps:

1. Place the CRS Software diskette into the A: (or B:) drive; type A: and press RETURN (or ENTER). Type INSTALL and press RETURN.
2. The program will create a directory called CRS94 on the C: drive of your hard disk and copy the CRS Software files to it.

3. The P_YR199?.DBF file from your recreation area computer needs to be transferred into the CRS94 directory. This file is hidden in the C:\AUPS199? directory of your recreation area computer. The '?' in the directory and file name indicates that records from different years may be used.

4. To unhide this file, go to the C:\AUPS199? directory of the recreation area computer and type ATTR -H P_YR199?.DBF and press RETURN. Place an empty formatted diskette into the A: (or B:) drive and type COPY P_YR199?.DBF A: (or B:) and press RETURN. The data will be copied onto the floppy diskette.

5. Take the diskette containing P_YR199?.DBF to the computer that has the new CRS94 directory and software on it and place the diskette into the A: (or B:) floppy drive. Change to the CRS94 directory on your hard drive (CD CRS94 or CD\CRS94). Type COPY A:P_YR199?.DBF (or B:P_YR199?.DBF) and press RETURN. This copies the historical data of the recreation area computer to the computer with the CRS Software on it.

Important note: Every AUPS recreation area computer has a P_YR199?.DBF file in its AUPS199? directory. The 1994 CRS Software cannot distinguish between recreation areas. Only one of these files should be copied to the CRS94 directory at a time. Copying a new P_YR199?.DBF file onto an existing one may cause data corruption. The original file must be renamed or removed before a second recreation area's P_YR199?.DBF file can be copied into the CRS94 directory. Files from different years can remain in the directory at the same time because they are labeled differently.

6. From the CRS94 directory type "CRS94" and press RETURN. This starts the program. When prompted, type in the starting and ending dates that you want reported. Then, when prompted again, type in your district name, project name, and campground name. Next type in the name of the database file you will be analyzing and the number of campground sites in use. If the database file is not found, the program will exit. Precise spelling is required.

7. The software will now calculate and print the reports based on the information supplied. Just follow the prompts.

8. For more information, contact your AUPS bulletin board, at (601) 634-3470, or your AUPS coordinator. AUPS coordinators can contact Samuel F. Franco, CEWES-EN-R, (601) 634-4205.

CRS Summary Reports

The CRS Software is capable of generating a number of summary reports. Each of these is described below.

The **Camping Permit Summary** calculates the total number of permits issued during the selected dates.

Camping Permit Summary	
Total number of permits	493
Total number of groups	465

The **Fee Collected Summary** calculates the total fees collected and the average fee collected per site paid. This calculation does not take into consideration any voided permits or vouchers received or issued.

Fee Collected Summary		
Total fees collected		\$16,840.50
Average fee collected per site paid		\$336.81

The **General Use Characteristics** calculates the average length of stay in nights, the average number in the group, the percent Golden Age Passports used, and the percent Golden Access Passports used.

General Use Characteristics		
Average length of stay, nights		3.0
Average number in group		2.7
Percent prior visits		71.6
Percent primary destination		75.7
Percent Golden Age Passport		34.0
Percent Golden Access Passport		9.5

The **Daily Occupancy Rate** is calculated based on the actual number of campgrounds occupied during the selected dates, compared to the number of sites available. This calculation uses only permits issued to overnight campers.

Daily Occupancy Rate		
06/01/93 Tuesday		34.0 percent
06/02/93 Wednesday		44.0 percent
06/03/93 Thursday		54.0 percent
06/04/93 Friday		74.0 percent
. . .		
. . .		
06/30/93 Wednesday		80.0 percent

The **Calculated Use Characteristics** are determined using all permits starting or ending during the selected dates. The *Camping Recreation Days* field is the sum of the party size for each camping permit issued, times the number of nights. The *Day Visitor Recreation Days* is the sum of the party size for all noncamping permits issued. The *Total Recreation Days* number is the sum of the *Camping Recreation Days* and the *Day Visitor Recreation Days*. The number of visits is determined by the number of groups occupying a site during the selected dates. (This disregards the number of nights for which a permit is issued; it is one visit, times the party size.) *Camping Visitor Hours* are calculated by multiplying the *Camping Recreation Days* by the 24 hr in the day. The software does not calculate the *Total Visitor Hours* and *Day Visitor Hours* because no data are collected on the amount of time a day visitor uses a camp area. The **Occupancy Rate** is calculated for the mean, weekend mean, and weekday mean. For this report, Friday and Saturday are considered weekend nights; all other nights are weekday nights. This is based on the actual nights a site is occupied, and includes permits issued before the date selected for reporting if the permit dates include dates within the selected reporting period. Permits with camping nights exceeding the dates selected for reporting are counted only for dates included in the report.

Calculated Use Characteristic	
Recreation days	3,828
Camping recreation days	3,732
Day visitor recreation days	96
Visits	1,309
Camping visits	1,213
Day visits	96
Visitor hours	
Camping visitor hours	89,568
Day visitor hours	Information not collected
Occupancy rate	
Mean	88.5 percent
Weekends	113.5 percent
Weekdays	79.5 percent

The **Percent Visitors by State** is calculated using "original" permits only; renewals are not included. This report shows the home state of the visitors.

Non cars	0.0 percent	Montana	0.2 percent
Alabama	0.4 percent	Nebraska	0.2 percent
Alaska	0.0 percent	Nevada	0.0 percent
.			
.			
Kentucky	57.4 percent	Utah	0.0 percent
.			
.			
Missouri	4.5 percent	Non USA	0.0 percent

The **State Zip Code Analysis by County** is calculated by matching zip codes from the filtered permit list with county zip codes for the selected state. This report can be run for any state, but because of the time required, it is recommended that states with low visitation not be analyzed.

BALLARD, KY	42024 2
CALDWELL, KY	42411 2
CALDWELL, KY	42445 2
.	
.	
HOPKINS, KY	42431 23
.	
.	
WARREN, KY	42101 2
WASHINGTON, KY	40069 1
WEBSTER, KY	42450 4

Described below are some additional reports, or additions to reports, that are available for AUPS users who collect trend information.

The **General Use Characteristics** report will give the percent of visitors who have prior visits to the campground. It will also give the percent of visitors who chose the

campground as their primary destination. (See above discussion of "General Use Characteristics.")

The **Distribution of Vehicle Types** reports, by percentage, the types of vehicle in which visitors arrive. The choices include car, truck, van, motor home, motorcycle, or other.

Distribution of Vehicle Types (Percent of Camping Groups)

Car	34.5 percent
Truck	52.0 percent
Van	10.6 percent
Motor home	26.7 percent
Motorcycle	0.7 percent
Other	1.2 percent

The **Distribution of Camping Equipment** reports the percentage of tents, pop-up trailers, pick-up campers, travel trailers, and other types of camping equipment used.

Distribution of Camping Equipment (Percent of Camping Groups)

Tent	19.5 percent
Pop-up trailer	8.9 percent
Pick-up trailer	4.6 percent
Travel trailer	35.2 percent
Other	27.2 percent
None	4.1 percent

The **Distribution of Recreational Equipment** reports the percentage of powerboats, sailboats, bicycles, motorcycles, off-road vehicles (ORV), and other types of recreational equipment used.

Distribution of Recreational Equipment (Percent of Camping Groups)

Powerboat	28.0 percent
Sailboat	0.0 percent
Bicycle	1.0 percent
Motorcycle	0.5 percent
ORV (nonmotorcycle)	0.0 percent
Other	65.1 percent
None	4.3 percent

Technical assistance for the CRS Software is provided by the AUPS Bulletin Board and the NRTS Direct Technical Assistance Program. The Bulletin Board can be reached at (601) 634-3470. The following settings should be used:

Baud rate	300 to 14,400 (default 14,400)
Data bits	8
Parity	none
Stop bits	1
Video mode	ANSI

Acknowledgments

The Natural Resources Research Program (NRRP) and the Natural Resources Technical Support (NRTS) Program are managed under the Environmental Resources Research and Assistance Programs (ERRAP), Mr. J. L. Decell, Manager. Mr. Russell K. Tillman is Assistant Manager, ERRAP, for NRRP and NRTS.

The basis for this technical note is the report "Summary of the 1990 Campground Receipt Study," by Mses. Teré A. DeMoss and Tracy C. Trichell. Mr. R. Scott Jackson, Resource Analysis Branch (RAB), U.S. Army Engineer Waterways Experiment Station, contributed technical expertise to the study. Review and comments were provided by Mr. Jim Henderson, RAB.

Point of Contact

For more information concerning this technical note and the accompanying computer software, contact Mr. Samuel F. Franco, (601) 634-4205.

Natural Resources Technical Support Program
Natural Resources Research Program

Campground Receipt Study Software

— ORDER FORM —

Please send _____ copy (copies) of the Campground Receipt Study Software 1994 to

Name _____

Office symbol _____

Mailing address _____

Telephone number _____

Mail or fax this form to

Director
USAE Waterways Experiment Station
ATTN: CEWES-EP-L (Tillman)
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Facsimile: (601) 634-3528
Email: tillman@elmsg.wes.army.mil

The Campground Receipt Study Software can also be downloaded via the NRRP/NRTS BBS at (601) 634-2683 (Settings, N-8-1/ANSI).

For further assistance on Campground Receipt Study software, contact

Sammy Franco, CEWES-EN-R, (601) 634-4205
Russ Tillman, CEWES-EP-L, (601) 634-4201

— fold here —

Director
USAE Waterways Experiment Station
ATTN: CEWES-EP-L (Tillman)
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

— fold here —