



**US Army Corps
of Engineers**



Campground Receipt Study Software 1996

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Purpose

This technical note describes the Campground Receipt Study (CRS) Software 1996 and provides supporting information for users. The computer software described herein was developed under the work unit "Evaluation of Camping Trends at Corps of Engineers Projects," as part of the Corps' Recreation Research Program (formerly the Natural Resources Research Program). Instructions for obtaining a copy of the CRS Software 1996 are provided at the end of this technical note.

Background

Data summarized by this software are collected by users of the Automated Use Permit System (AUPS). Approximately 180 Corps projects use AUPS. 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 use this software. However, the summary of calculated use characteristics will be available only to projects that collected trend information, and the accuracy of the statistical report will vary depending on the rate at which the data were collected.

Installing the CRS Software 1996

1. Place the CRS Software 1996 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 CRS96 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 CRS96 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 can 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, 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 CRS96 directory and software on it and place the diskette into the A: (or B:) floppy drive. Change to the CRS96 directory on your hard drive (**CD CRS96** or **CD\CRS96**). 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 CRS Software 1996 cannot distinguish between recreation areas. Only one of these files should be copied to the CRS96 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 CRS96 directory. Files from different years can remain in the directory at the same time because they are labeled differently.

6. From the CRS96 directory, type **CRS96** 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 coordinator. The AUPS coordinators can contact Mr. Samuel F. Franco, CEWES-EN-R, (601) 634-4205, or Mrs. Tracy Trichell, CEWES-EN-R, (601) 634-2195.

CRS Summary Reports

All users of AUPS will be able to use the CRS Software 1996 to generate a number of summary reports. Each of these reports is described below, along with sample output.

The **Camping Permit Summary** calculates the total number of permits issued during the selected dates. It also calculates the number of groups (non-renewal permits) present 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 percentage Golden Age Passports used, and the percentage 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 only uses permits issued to overnight campers.

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

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 non-camping 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. (Regardless of the number of nights a permit is for, it is one visit times the party size.) Camping Visitor Hours are calculated by multiplying the Camping Recreation Days by 24 hours (in a day). The software does not calculate Total Visitor Hours and Day Visitor Hours because no data are collected on the amount of time a day visitor uses a Corps camping 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 rate is based on the actual nights a site is occupied, reflecting that permits issued before the date selected for reporting may enter into the report period. Permits with camping nights exceeding the dates selected for reporting are counted only for dates included in the report.

Calculated Use Characteristics	
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	89,568
Camping visitor hours	(information not collected)
Day visitor hours	(information not collected)
Occupancy rate (percent)	
Mean	88.5
Weekends	113.5
Weekdays	79.5

The **Day Use Permit Summary** calculates the number of permits issued, the amount of fees collected, and the percentage of Golden Age/Golden Passport usage for each of the six types of day use permits.

Permit Type	Number of Permits	Fees Collected	Percent Golden Age/Access Use
Boat ramp use	36	59.00	36.11
Swim beach use	36	44.50	36.11
Annual passes	4	87.50	25.00
Duplicate passes	2	0.00	0.00
Golden Age passports	2	20.00	—
Self-registration/cash register	0	94.00	0.00
Day use totals	80	305.00	—

The **Boat Ramp and Swim Beach Permit Time Summary** provides the percentage and number of Boat Ramp Permits and Swim Beach Permits issued for each 2-hour period of the day.

Time Permits Issued	Number of Ramp Permits	Percent of Ramp Permits	Number of Beach Permits	Percent of Beach Permits
05:00 - 06:59	0	0.00	0	0.00
07:00 - 08:59	0	0.00	0	0.00
09:00 - 10:50	1	2.78	0	0.00
11:00 - 12:59	5	13.89	7	19.44
13:00 - 14:59	19	52.78	17	47.22
15:00 - 16:59	11	30.56	12	33.33
17:00 - 18:59	0	0.00	0	0.00
19:00 - 21:00	0	0.00	0	0.00

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

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. However, 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
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.	.	.
Hopkins, KY	42431	23
.	.	.
.	.	.
Warren, KY	42101	2
Washington, KY	40069	1
Webster, KY	42450	4

Additional (Trend) Reports

In addition to the information generated for **General Use Characteristics** (as described in previous section), this report will also give the percentage of visitors who have prior visits to the campground. Information is also available on the percent of visitors that chose the campground as their primary destination. (See previous discussion of General Use Characteristics.)

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

Distribution of Vehicle Types (Percent of Camping Groups)	
Car	34.5
Truck	52.0
Van	10.6
Motor home	26.7
Motorcycle	0.7
Other	1.2

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
Pop-up trailer	8.9
Pick-up camper	4.6
Travel trailer	35.2
Other	27.2
None	4.1

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
Sailboat	0.0
Bicycle	1.0
Motorcycle	0.5
ORV (non-motorcycle)	0.0
Other	65.1
None	4.3

Point of Contact

For further information concerning this technical note and the Campground Receipt Study Software 1996, contact Mr. Samuel F. Franco, (601) 634-4205.

Natural Resources Technical Support Program

Campground Receipt Study Software 1996

— ORDER FORM —

This software can be obtained via the Internet at <http://www.wes.army.mil/el/elmodels>

Please send _____ copy (copies) of the Campground Receipt Study Software 1996 to:

Name _____

Office symbol _____

Mailing address _____

Telephone number _____

Mail or fax this form to:

Director
USAE Waterways Experiment Station
ATTN: CEWES-EV (R. Tillman)
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Fax: (601) 634-4201
e-mail: tillmar@ex1.wes.army.mil

For further assistance on the Campground Receipt Study Software 1996, contact

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