

Pest Information Management System

The Biological Resources Division of NPS has developed a Pest Information Management System (PIMS) to satisfy the needs of the Pest Management Program. PIMS resides on a CPT 8525 microprocessing unit utilizing floppy disk storage and a 5 megabyte hard disk. Software accessories include: Compupak, a CP/M programming system; and TTY, an asynchronous communications system. The TTY software enables communication with nearly any remote unit that can use ASCII. Besides other CPT systems, the central CPT unit has communicated successfully with IBM-PC, TRS/Radio Shack, Apple, Hewlett-Packard, and Raytheon/Lexitron processors.

PIMS encompasses three major subsystems: IPM Information, Pesticide Use Tracking, and Management Reports. The IPM Information subsystem provides current, comprehensive, theoretical and practical information for managing pests within the National Park System. When completed, this subsystem will provide up-to-date technical information on the management of 49 pests of concern Servicewide. This in-

formation can be transferred electronically to parks or regions that have CPT compatible equipment. Hard copies of the information also can be generated for units that do not have TTY or CPT compatible equipment.

The Pesticide Use Tracking subsystem is designed to track pesticide use on a park by park basis. It's unique feature is that the Pesticide Use Proposal Form (Form 10-21A) can be transferred electronically to the Region or Washington Office. This subsystem is also the foundation for the Management Reports subsystem, the workhorse of the Pest Information Management System.

The Management Reports subsystem provides summary reports on pesticide use and related topics. The versatility of this subsystem lies in its ability to select information from the Pesticide Use Tracking subsystem based on a group of selection commands that can be used singly or in combination, depending on the information needs of the user. For example, summary reports can be generated for the following categories or combination of categories: pest, active ingredient, type of pest, location of pesticide use, and amount of pesticide used.

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