

**FIRECORD: A DATABASE APPLICATION FOR ADAPTIVE FIRE MANAGEMENT**

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**ABSTRACT**

Prescribed fire is an indispensable tool used by the Florida Chapter of The Nature Conservancy (TNC) in stewardship of its preserves. The inherent complexity associated with utilizing fire effectively, however, poses numerous challenges. To help understand and learn from fire's intricacies, the TNC Florida Fire Program has developed a database for acquiring, storing, and analyzing quantitative and qualitative data about the manner in which fire is applied, and its subsequent ecological effects. ArcView and MS Access, linked through ODBC, form the heart of the system. The database provides the capability to compile fire histories, develop burn plans and prescriptions, record day-of-burn information, summarize post-burn and fire effects data, and produce burn maps and reports.