INTRODUCTION

The need for information about the sources of contamination in various areas is critical to understanding and managing groundwater quality. This paper focuses on the potential sources of contaminants to drainage wells in the South Florida Water Management District (SFWMD). The study area includes several counties, and the research was conducted to identify and assess the sources of contamination.

Previous Investigations

Several studies have been conducted in the past to understand the contamination sources in the area. For example, a study by Johnson et al. (1992) provided valuable insights into the contamination sources in the vicinity of the study area. Additionally, a study by Smith and Watanabe (1993) offered further details on groundwater contamination and its effects.

Purpose and Scope

The purpose of this study is to identify and assess the sources of contamination to drainage wells in the SFWMD. The scope includes a thorough review of existing literature and the development of a model to predict contamination sources.

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METHODS OF INVESTIGATION

Various methods were employed to investigate the sources of contamination. These included field surveys, water quality analysis, and modeling techniques. Field surveys were conducted to collect data on the location and condition of drainage wells.

POTENTIAL SOURCES OF CONTAMINANTS

The potential sources of contamination were identified through a comprehensive review of existing literature and expert opinions. These sources include industrial activities, agricultural practices, and urban development.

PUBLIC-SUPPLY WELLS

The study also considered the potential impact of public-supply wells on the contamination sources. Public-supply wells are critical sources of drinking water and are susceptible to contamination from nearby activities.

CONVERSION FACTORS, VERTICAL DATUM, ABBREVIATIONS, AND ACRONYMS

The conversion factors and abbreviations used in the study are detailed in the supplementary materials. These factors are essential for accurately interpreting the data and results.

INVENTORY OF DRAINAGE WELLS AND POTENTIAL SOURCES OF CONTAMINANTS TO DRAINAGE-WELL INFLOW IN SOUTHWEST ORLANDO, ORANGE COUNTY, FLORIDA

By G. Fred Taylor
1993