

TEXAS NATURAL RESOURCES INFORMATION SYSTEM

NR-01210-01

FILE DESCRIPTION REPORT

Prepared by

TEXAS NATURAL RESOURCES INFORMATION SYSTEM

SYSTEMS CENTRAL

FOR THE

TNRIS TASK FORCE

TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE DESCRIPTION REPORT

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## INTRODUCTION

The purpose of this manual is to provide comprehensive descriptions of files\* inventoried for inclusion in the Texas Natural Resources Information System (TNRIS). All files described herein are computer-processable files.

When possible, all of the following information has been assembled to describe each file:

1. File Name - Brief informative title.
2. Unique File Number - Unique reference number assigned to this file. (Reference page 6 for details.)
3. Narrative Description of the File Contents - Brief narrative description of the file contents including a detailed parameter list if several items are included in this file.
4. Entity Collecting the Data - Indication of the agency, cooperator or other entity which is the contributor of the data.
5. Geographic Coverage - An indication of the geographic coverage of the data included in this file.
6. Frequency of Update - indication of the frequency with which this file is updated, i.e., monthly, annually, every five years, etc.
7. Units of Measurement - indication of the common unit of measurement(s) such as: inches to the nearest hundredth, MG/L, cubic feet per second, as applicable, etc.
8. Data Retrieval Publications - publications available which give additional specifics such as more detailed availability reports and actual retrieval procedures.

\*Reference the definition of "File" as used in this report on page 6.

9. Automated System Number - A reference to the automated system used to update and/or report the data file.

References have been included in some file descriptions to indicate, to a limited degree, the accuracy of the information in the file. Accuracy considerations are quite file dependent, and are sometimes hard to define. Therefore, additional information concerning the accuracy of a given file may or may not be available.

Each file description in this report contains a reference to the state agency which provides the data through TNRIS. In addition, the section entitled "Categorization of Completed TNRIS File Descriptions" beginning on page 7 contains the agency acronym associated with each file. A list of contributing agencies and the associated agency acronym follows:

Agency	Acronym
Texas Department of Agriculture	TDA
Texas Air Control Board	
Bureau of Economic Geology, University of Texas at Austin	BEG
Texas Forest Service	TFS
General Land Office	GLO
Texas Department of Health Resources	TDHR
State Department of Highways and Public Transportation	THD
Texas Industrial Commission	TIC
Texas Parks and Wildlife Department	TPW
Railroad Commission of Texas	TRRC
Texas Water Development Board*	TWDB
Texas Water Quality Board*	TWQB
Texas Water Rights Commission*	TWRC

All requests for printed reports and questions relating to the actual data files referenced herein should be made to:

*Texas Natural Resources Information System  
Systems Central  
P. O. Box 13087  
Capitol Station  
Austin, Texas 78711  
Phone: Area Code 512 + 475-3321*

- \* Legislation passed by the 65th Texas Legislature to be effective September 1, 1977, provides for the consolidation of these agencies into a single Texas Department of Water Resources



## TEXAS NATURAL RESOURCES INFORMATION SYSTEM OVERVIEW

P. O. Box 13087, Austin, Texas 78711 • TNRIS Systems Central Telephone 512 + 475-3321

One of our State's greatest assets is its natural resources, and one of our great challenges for tomorrow is the proper planning, developing, managing, and conservation of these resources. Many agencies within the State are vitally concerned with our State's natural resources and their preservation. The need to consider the total effects of any particular action or project on the natural resources of the State is becoming increasingly more evident with time as exemplified by the public concern for the preservation of environmental quality. The resource manager, whether he is interested in regulatory and enforcement activities, managing a natural resource, or planning the future use of natural resources, needs to apply a multidisciplinary approach to his effort. This approach requires that a number of different types of natural resources and socio-economic data and information be readily available to the resource manager. Recent federal legislation requiring the filing of environmental impact statements on a wide variety of projects, and other federal legislation concerning areas of environmental protection, resource management, and land use planning further point out the need for an integrated approach.

In the area of natural resources in Texas, interagency cooperation is encouraged through the efforts of the Interagency Council on Natural Resources and the Environment (ICNRE). ICNRE is composed of the administrative heads of Texas resource agencies, with ex officio membership held by several resource-related entities, and is chaired by the Governor of Texas or his representative. On March 28, 1973, the ICNRE, chaired by Governor Briscoe, approved recommendations from its Water Oriented Data Programs Section (WODPS) to pursue implementation of a Texas Natural Resources Information System (TNRIS).

The TNRIS Task Force is a working group of the ICNRE with representation from each of the participating ICNRE agencies dedicated to the development of the TNRIS. Work toward a Texas Natural Resources Information System has been based in large part on the extensive work already accomplished in the development of the Texas Water Oriented Data Bank (TWODB) by the ICNRE's Water Oriented Data Programs Section (WODPS). Experience in this effort, dating back well into the 1960's, has provided the State with an operational water oriented data system as a proven framework for furthering TNRIS implementation.

After considerable study and investigation, the WODPS in June, 1972 reported to the ICNRE on the need for a Texas NRIS as a logical extension of the TWODB. The Council recognized the need and accepted the WODPS plan of attack which initially consisted of an identification and categorization of natural resources data available in the file holdings of ICNRE agencies. This activity, conducted by a 14-member interagency task force, identified textual, computer processable, mapped, and other types of natural resources data and categorized these types of data into six broad categories.

This identification and categorization activity along with recommendations on continued TNRIS development were documented in the TNRIS Task Force February 1, 1973 report to the Council. As mentioned previously, the ICNRE, after considering the report, authorized the TNRIS Task Force in March,

1973 to proceed with the next two identified activities: (1) a detailed inventory of machine processable TNRIS data; (2) development of a TNRIS design plan.

Building upon the previously completed TNRIS identification/categorization and TWODB groundwork, the detailed inventory of computer processable natural resources information files was completed in September, 1974. A valuable product of this activity was publication of the TNRIS File Description Report containing information on computer processable data and information file holdings in the participating TNRIS agencies. Concurrent with this inventory activity was the development of a flexible TNRIS design plan documented in the December, 1974 Report to the ICNRE entitled TNRIS Conceptual Design. This report also contained specific recommendations for continued TNRIS implementation.

On December 18, 1974 the ICNRE accepted the TNRIS Conceptual Design Report along with its associated recommendations, and on March 6, 1975 the Council adopted a resolution endorsing additional TNRIS Systems Central staff. With Council support, and support from the State Budget Offices, legislative approval to fund additional TNRIS staff was received from the 64th Legislature.

As earlier envisioned, the TNRIS is now facilitating the fulfillment of the specific statutory responsibilities and administrative needs of the various agencies involved in planning, developing, operating, managing, conserving, and protecting the natural resources of the State. The System is providing maximum availability of natural resources information, consistent with cost and efficiency, to State, federal, regional, and local and private entities to support a variety of activities including water resource planning, coastal zone management, land use planning, energy conservation efforts, and other resource endeavors. The System is serving as a viable mechanism for linking together users of natural resource and related data with those agencies and institutions who collect and store the data.

In addition to supporting inventories and access to machine processable data, TNRIS inventories of non-machine processable data are being directed toward a variety of valuable TNRIS/TWODB supporting requirements to determine new or additional information files or capabilities. Among the most important of these are incorporation of microfilming, text processing, and map manipulation techniques into TNRIS/TWODB activities. Additional activities include the integration of Remote Sensing technology and data into TNRIS/TWODB efforts, development of geo-coding and geographic base handling systems, and enhancement of data analysis and presentation capabilities to include sophisticated interactive graphic and visual presentation.

Additionally, staff effort is being directed to support TNRIS operational requirements including direct support of several participating agency programs and projects. This current phase of TNRIS development will be documented in a progress report to the ICNRE during the 1977 State fiscal year.

Participating agencies: *Texas Water Development Board • General Land Office • Texas Air Control Board • Texas Forest Service • Texas Industrial Commission • Texas Department of Health Resources • Texas Water Quality Board • Bureau of Economic Geology, University of Texas at Austin • Railroad Commission of Texas • Texas Department of Agriculture • State Department of Highways and Public Transportation • Texas Parks & Wildlife Department • Texas State Soil & Water Conservation Board • Texas Water Rights Commission • Texas Coastal and Marine Council*

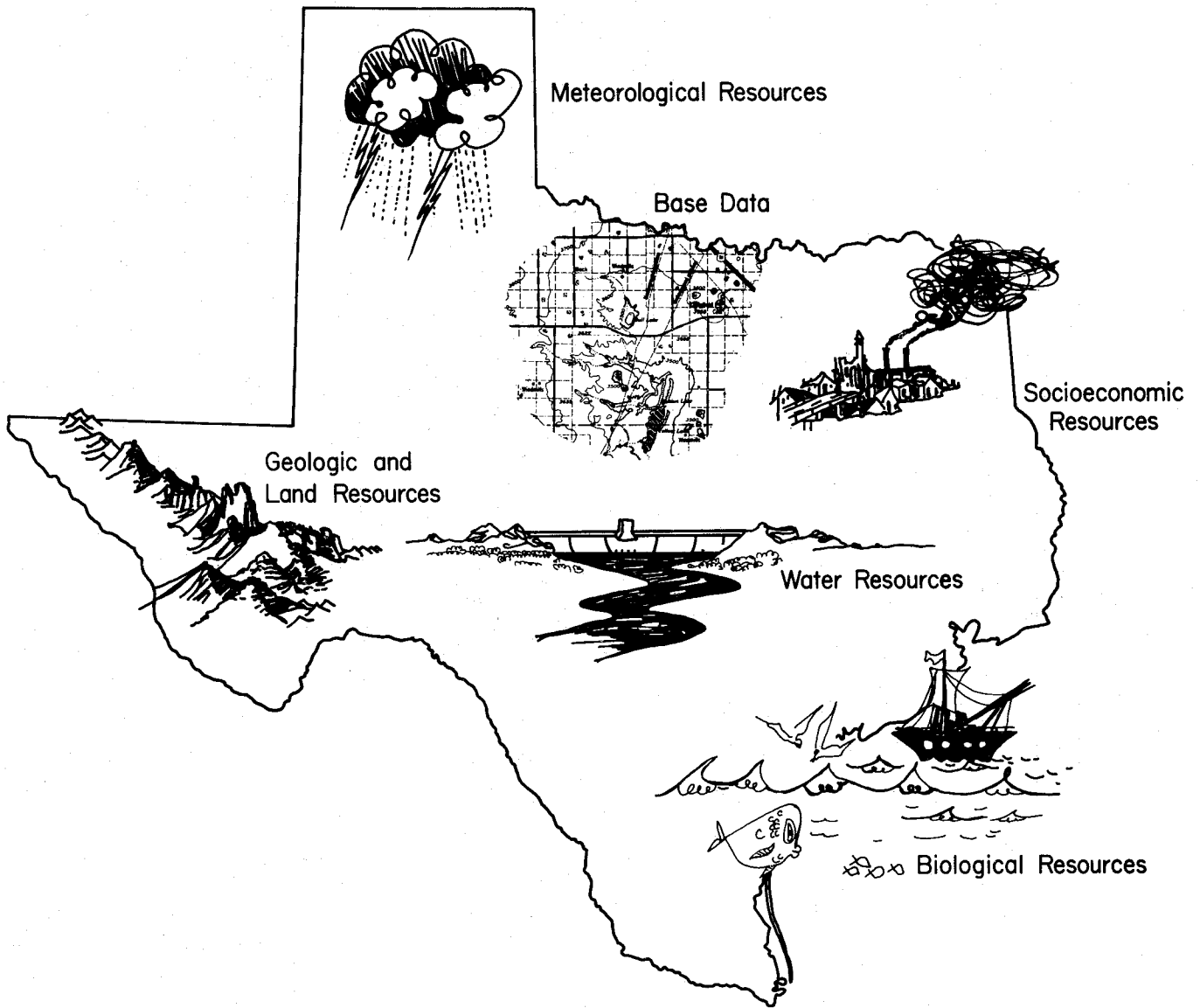
## CLASSIFICATION OF DATA AND INFORMATION

Major data and information categories have evolved from the identification and categorization phase of developing the *Texas Natural Resources Information System*. These categories shown pictorially on the following page, were designed to best satisfy the potential data and information needs of all users of the TNRIS. These categories with appropriate subcategories are listed below:

- I. BASE DATA
  - Landmark data and man's subdivisions which serve as a supportive category to locate natural resources.
  
- II. METEOROLOGICAL RESOURCES
  - Data and information related to all forms of climatological and atmospheric conditions.
    - A. Climatological
    - B. Air Quality
    - C. Man's Activities
  
- III. BIOLOGICAL RESOURCES
  - Data and information related to all living organisms as an aggregate.
    - A. Animal
    - B. Plant
    - C. Micro-Organisms
    - D. Man's Activities
  
- IV. WATER RESOURCES
  - Data and information related to all occurrences of water.
    - A. Surface
    - B. Subsurface
    - C. Man's Activities
  
- V. GEOLOGIC AND LAND RESOURCES
  - Data and information related to the constitution and structure of the earth, including land usage.
    - A. Surface
    - B. Subsurface
    - C. Man's Activities
  
- VI. SOCIO-ECONOMIC RESOURCES
  - Although not purely "natural" these resources describe interrelationships between man, nature, and man-made conditions.
    - A. Social
    - B. Economic
    - C. Commerce
    - D. Government
    - E. Archaeologic

TEXAS NATURAL RESOURCES INFORMATION SYSTEM

DATA AND INFORMATION CATEGORIES





## FILE NUMBERING SYSTEM

Using the data and information categories previously defined, a file numbering system for TNRIS files has been developed. The following definition of the term "file" has been used throughout this report.

*file - an organized collection of associated data directed toward some purpose, not necessarily associated with a physical device such as a tape, disc, etc. In this report a specific file will reference only data from one particular category and sub-category of data.*

The file numbering system consists of the following information contained in the eight digit file number:

XX	XX	XXXX
major category	sub- category	unique number assigned by TNRIS System Central

EXAMPLE: File Number 04020100 Represents

Major Category: Water (04)

SubCategory: Sub-Surface (02)

Unique Number: 0100 as assigned by Systems Central

## CATEGORIZATION OF COMPLETED TNRS FILE DESCRIPTIONS

I. BASE DATA	<u>AGENCY</u>	<u>FILE NUMBER</u>	<u>PAGE</u>
Digitized Water Well Locations	TWDB	01010100	1.1.0100.1
Harvard Digitized County Boundaries	TWDB	01010200	1.1.0200.1
EROS Data Center - Aerial Mapping Photography	TWDB	01010250	1.1.0250.1
EROS Data Center - Landsat Standard Products	TWDB	01010300	1.1.0300.1
EROS - NASA Aircraft Photography	TWDB	01010350	1.1.0350.1
EROS - Manned Spacecraft Photography	TWDB	01010400	1.1.0400.1
Agricultural Stabilization & Conservation Service Aerial Photography	TWDB	01010450	1.1.0450.1
Geographic Information System County Boundaries	TWDB	01010500	1.1.0500.1
Bureau of the Census/DIME County Boundaries	TWDB	01010600	1.1.0600.1
10 Minute Grid Coordinate Table	TPW	01010625	1.1.0625.1
Community Profile - Geographic Location	TIC	01010650	1.1.0650.1
County Profile - Geographic Location	TIC	01010655	1.1.0655.1
State Water District Master	TWRC	01010675	1.1.0675.1
State and Federal Owned Lands	TWDB	01010700	1.1.0700.1
Defense Intelligence Agency (DIA) Aerial Photography	TWDB	01010800	1.1.0800.1
National Cartographic Information Center (NCIC) Cartographic Data & Imagery	TWDB	01010900	1.1.0900.1
II. METEOROLOGICAL RESOURCES			
A. Climatological			
Daily NWS Precipitation	TWDB	02010100	2.1.0100.1
Daily TWDB Precipitation	TWDB	02010200	2.1.0200.1
Monthly NWS Precipitation	TWDB	02010300	2.1.0300.1
Monthly TWDB Precipitation	TWDB	02010400	2.1.0400.1
Daily NWS Minimum Temperature	TWDB	02010500	2.1.0500.1
Daily TWDB Minimum Temperature	TWDB	02010600	2.1.0600.1
Monthly NWS Minimum Temperature	TWDB	02010650	2.1.0650.1
Monthly TWDB Minimum Temperature	TWDB	02010700	2.1.0700.1
Daily NWS Maximum Temperature	TWDB	02010800	2.1.0800.1
Daily TWDB Maximum Temperature	TWDB	02010900	2.1.0900.1
Monthly NWS Maximum Temperature	TWDB	02010950	2.1.0950.1
Monthly TWDB Maximum Temperature	TWDB	02011000	2.1.1000.1
Daily NWS Wind Movement	TWDB	02011100	2.1.1100.1
Daily TWDB Wind Movement	TWDB	02011200	2.1.1200.1
Monthly NWS Wind Movement	TWDB	02011250	2.1.1250.1
Monthly TWDB Wind Movement	TWDB	02011300	2.1.1300.1
Daily NWS Pan Evaporation	TWDB	02011400	2.1.1400.1
Daily TWDB 2-Ft. Pan Evaporation	TWDB	02011500	2.1.1500.1

	<u>AGENCY</u>	<u>FILE NUMBER</u>	<u>PAGE</u>
Daily TWDB 4-Ft. Pan Evaporation	TWDB	02011600	2.1.1600.1
Daily TWDB 6-Ft. Pan Evaporation	TWDB	02011700	2.1.1700.1
Monthly NWS Pan Evaporation	TWDB	02011750	2.1.1750.1
Monthly TWDB 2-Ft. Pan Evaporation	TWDB	02011800	2.1.1800.1
Monthly TWDB 4-Ft. Pan Evaporation	TWDB	02011900	2.1.1900.1
Monthly TWDB 6-Ft. Pan Evaporation	TWDB	02012000	2.1.2000.1
NWS Daily Climatological Master File	TWDB	02012100	2.1.2100.1
TWDB Daily Climatological Master File	TWDB	02012200	2.1.2200.1
Monthly Climatic Index	TWDB	02012300	2.1.2300.1
Hourly Coastal Climatological File	TWDB/ACB	02012400	2.1.2400.1
NWS Hourly Precipitation	TWDB	02012500	2.1.2500.1
NWS Hourly Climatological File	TWDB	02012600	2.1.2600.1
Gross Lake Surface Evaporation-TWDB Report 64	TWDB	02012700	2.1.2700.1
Net Lake Surface Evaporation-TWDB Report 64	TWDB	02012800	2.1.2800.1
Daily TWDB Relative Humidity	TWDB	02012900	2.1.2900.1
Monthly TWDB Relative Humidity	TWDB	02013000	2.1.3000.1
Daily IBWC Precipitation	TWDB	02013100	2.1.3100.1
Average NWS Effective Precipitation-1° Quad	TWDB	02013200	2.1.3200.1
TFS Fire Weather Reports	TFS	02013300	2.1.3300.1
Community Profile - Climatological Data	TIC	02013600	2.1.3600.1
County Profile - Climatological Data	TIC	02013700	2.1.3700.1

#### B. Air Quality

Transportation Related Air Quality Data	THD	02020100	2.2.0100.1
Average Particulate and Gaseous Pollutants #1	ACB	02020200	2.2.0200.1
Average Particulate and Gaseous Pollutants #2	ACB	02020300	2.2.0300.1
Continuous Air Pollution Monitoring Network	ACB	02020400	2.2.0400.1

#### C. Man's Activities

Compliance Division Mailing List	ACB	02030100	2.3.0100.1
Office of Executive Director Mailing List	ACB	02030200	2.3.0200.1
Technical Support/Sampling Division Mailing List	ACB	02030300	2.3.0300.1
1971-1972 Summary of Emission Sources	ACB	02030400	2.3.0400.1
Air Pollution Questionnaires Mailing List	ACB	02030500	2.3.0500.1
Compliance with Air Pollution Laws Data	ACB	02030600	2.3.0600.1
Source Surveillance Investigator's Report	ACB	02030700	2.3.0700.1

### III. BIOLOGICAL RESOURCES

#### A. Animal

Coastal Zone Biological Information	TWDB	03010100	3.1.0100.1
Gulf Coast Shrimp Catch Data	TWDB	03010200	3.1.0200.1
Texas Fish Landing Data	TWDB	03010300	3.1.0300.1

	<u>AGENCY</u>	<u>FILE NUMBER</u>	<u>PAGE</u>
Mourning Dove Harvest Survey	TPW	03010400	3.1.0400.1
Texas Fish Landings (Commercial)	TPW	03010500	3.1.0500.1
Deer Movement Fix File	TPW	03010600	3.1.0600.1
Bird Banding Recovery File	TPW	03010700	3.1.0700.1
Lake Meridian Trap Data	TPW	03010800	3.1.0800.1
Deer - Turkey Harvest Survey	TPW	03010900	3.1.0900.1
Fish Distribution (Stocking)	TPW	03011000	3.1.1000.1
County Estimates For 62 Crop and Livestock Items	TDA	03011100	3.1.1100.1
TFS Southern Pine Beetle Operations	TFS	03011200	3.1.1200.1
 B. Plant			
County Estimates For 62 Crop and Livestock Items	TDA	03020100	3.2.0100.1
TFS Wildfire Reports	TFS	03020200	3.2.0200.1
 C. Micro-Organisms			
Bacteriological Quality of Inland Waters	TSDH	03030100	3.3.0100.1
Coastal Zone Biological Information	TWDB	03030200	3.3.0200.1
Bacterial Water Quality, Rivers, Lakes Streams	TSDH	03030300	3.3.0300.1
Coastal Water Data	TSDH	03030400	3.3.0400.1
 D. Man's Activities			
TFS Woodland Management Activities	TFS	03040100	3.4.0100.1
TFS Wildfire Reports	TFS	03040200	3.4.0200.1
Mourning Dove Harvest Survey	TPW	03040300	3.4.0300.1
Texas Fish Landings (Commercial)	TPW	03040400	3.4.0400.1
Deer - Turkey Harvest Survey	TPW	03040500	3.4.0500.1
Fish Distribution (Stocking)	TPW	03040600	3.4.0600.1
Species Code Names	TPW	03040700	3.4.0700.1
Gulf Coast Shrimp Catch Data	TPW	03040800	3.4.0800.1
Texas Fish Landing Data	TPW	03040900	3.4.0900.1
TFS Southern Pine Beetle Operations	TFS	03041000	3.4.1000.1
County Profile - Farm Products	TIC	03041100	3.4.1100.1

#### IV. WATER RESOURCES

##### A. Surface

Daily USGS Streamflow	TWDB	04010100	4.1.0100.1
Monthly USGS Streamflow	TWDB	04010200	4.1.0200.1
Daily TWDB Sediment Load	TWDB	04010300	4.1.0300.1
Monthly TWDB Sediment Load	TWDB	04010400	4.1.0400.1

	<u>AGENCY</u>	<u>FILE NUMBER</u>	<u>PAGE</u>
Coastal Water Data	TSDH	04010500	4.1.0500.1
Daily USGS Surface Water Temperature	TWDB	04010600	4.1.0600.1
Daily USGS Surface Water Conductance	TWDB	04010700	4.1.0700.1
Coastal Zone Hydrographical Information	TWDB	04010800	4.1.0800.1
Monthly Bureau of Reclamation Runoff	TWDB	04010900	4.1.0900.1
USGS Surface Water Quality Data	TWDB	04011000	4.1.1000.1
Stream Monitoring Network	TWQB	04011100	4.1.1100.1
Estuarine Water Quality Data	TSDH	04011200	4.1.1200.1
Daily IBWC Streamflow	TWDB	04011300	4.1.1300.1
Monthly IBWC Sediment Load	TWDB	04011400	4.1.1400.1
Monthly IBWC Reservoir Content	TWDB	04011500	4.1.1500.1
<b>B. Subsurface</b>			
Water-Level Measurements	TWDB	04020100	4.2.0100.1
Ground-Water Quality	TWDB	04020200	4.2.0200.1
<b>C. Man's Activities</b>			
Water Use By Hydrographic Unit	TWDB	04030100	4.3.0100.1
Daily USGS Reservoir Content	TWDB	04030200	4.3.0200.1
Monthly USGS Reservoir Content	TWDB	04030300	4.3.0300.1
Irrigation Inventory	TWDB	04030400	4.3.0400.1
Municipal Return Flow	TWQB	04030500	4.3.0500.1
Industrial Return Flow	TWQB	04030600	4.3.0600.1
Self Report Data (Water Quality)	TWQB	04030700	4.3.0700.1
Waste Control Order Data (WCO File)	TWQB	04030800	4.3.0800.1
Municipal & Industrial Water Use	TWDB	04030900	4.3.0900.1
Water Rights Permit Master File	TWRC	04031000	4.3.1000.1
Water Rights Permit Address File	TWRC	04031100	4.3.1100.1
State Water District Master	TWRC	04031150	4.3.1150.1
Water Use File	TWRC	04031200	4.3.1200.1
Certified Water Or Wastewater Operator File	TSDH	04031300	4.3.1300.1
Dam Inventory	TWRC	04031500	4.3.1500.1
Sewage Treatment Plant Inventory	TSDH	04031600	4.3.1600.1
Water or Wastewater Operator File	TSDH	04031700	4.3.1700.1
Community Profile - Water Utilities Information	TIC	04031800	4.3.1800.1
<b>V. GEOLOGIC AND LAND RESOURCES</b>			
<b>A. Surface</b>			
Soil Summary Master File	TWDB	05010100	5.1.0100.1
Corpus Christi Area Resource Capability Units	BEG	05010200	5.1.0200.1

	<u>AGENCY</u>	<u>FILE NUMBER</u>	<u>PAGE</u>
Fracture Mapping	BEG	05010300	5.1.0300.1
Open Pits in Texas	BEG	05010400	5.1.0400.1
<b>B. Subsurface</b>			
Annual Oil Production	TWDB	05020100	5.2.0100.1
Annual Natural Gas Production	TWDB	05020200	5.2.0200.1
Annual Water Injection in Secondary Recovery	TWDB	05020300	5.2.0300.1
Cummulative Oil and Gas Production Totals	TWDB	05020400	5.2.0400.1
Corelabs Subsurface Saline Water Survey	TWDB	05020500	5.2.0500.1
Oil Production And Allowable Master	TRRC	05020600	5.2.0600.1
Gas Production And Allowable Master	TRRC	05020700	5.2.0700.1
<b>C. Man's Activities</b>			
Land Classification Master File	GLO	05030100	5.3.0100.1
Submerged Lease Data File	GLO	05030200	5.3.0200.1
State Land Lease Master File	GLO	05030300	5.3.0300.1
Permanent Free School Fund Land Master File	GLO	05030400	5.3.0400.1
Veteran's Land Master File	GLO	05030500	5.3.0500.1
Veteran's Land Statistical File	GLO	05030600	5.3.0600.1
Unsold School Land File	GLO	05030700	5.3.0700.1
Secondary Recovery - Master	TRRC	05030800	5.3.0800.1
Secondary Recovery - Lease File	TRRC	05030900	5.3.0900.1
Secondary Recovery - Fluids	TRRC	05031000	5.3.1000.1
Secondary Recovery - Injection	TRRC	05031100	5.3.1100.1
Secondary Recovery - Year File	TRRC	05031200	5.3.1200.1
Liquid Spillage	TRRC	05031300	5.3.1300.1
Annual Water Injection For Secondary Recovery	TWDB	05031400	5.3.1400.1
Community Profile - Zoning Ordinances	TIC	05031500	5.3.1500.1
County Profile - Agricultural Land Use	TIC	05031600	5.3.1600.1
State-owned Parklands	TPW	05031700	5.3.1700.1
Community Profile - Water Utilities Information	TIC	05031800	5.3.1800.1

## VI. SOCIO-ECONOMIC RESOURCES

### A. Social

1970 U. S. Census of Population and Housing - First Count Summary	TWDB	06010100	6.1.0100.1
1970 U. S. Census of Population and Housing - Second Count Summary	TWDB	06010200	6.1.0200.1
1970 U. S. Census of Population and Housing - Third Count Summary	TWDB	06010300	6.1.0300.1
1970 U. S. Census of Population and Housing - Fourth Count Summary	TWDB	06010400	6.1.0400.1

	<u>AGENCY</u>	<u>FILE NUMBER</u>	<u>PAGE</u>
1970 U. S. Census of Population and Housing - Fifth Count Summary	TWDB	06010500	6.1.0500.1
Obers County Population and Land Area	TWDB	06010600	6.1.0600.1
Automatic Traffic Recorder Volumes	THD	06010700	6.1.0700.1
Highway Speed Survey	THD	06010800	6.1.0800.1
Origin Destination Survey	THD	06010900	6.1.0900.1
Traffic Log	THD	06011000	6.1.1000.1
Boat Registration Master	TPW	06011100	6.1.1100.1
Public Hunts - Drawn Master	TPW	06011200	6.1.1200.1
Community Profile - Population and Education	TIC	06011300	6.1.1300.1
County Profile - Population	TIC	06011400	6.1.1400.1
 B. Economic			
County and SMSA Earnings and Income	TWDB	06020100	6.2.0100.1
Dun and Bradstreet	TWDB	06020200	6.2.0200.1
Obers Water Resource Regions	TWDB	06020300	6.2.0300.1
Obers Economic Areas	TWDB	06020400	6.2.0400.1
Obers County Population and Land Area	TWDB	06020500	6.2.0500.1
Highway Bridge Log	THD	06020600	6.2.0600.1
Structure Inventory and Appraisal File	THD	06020700	6.2.0700.1
Road Life Data	THD	06020800	6.2.0800.1
Roadway Characteristics, State Highway System	THD	06020900	6.2.0900.1
Roadway Characteristics, County System	THD	06021000	6.2.1000.1
Rail-Highway Grade Crossings	THD	06021100	6.2.1100.1
Community Profile - Business Statistics	TIC	06021120	6.2.1120.1
County Profile - Personal Income and Earnings	TIC	06021130	6.2.1130.1
 C. Commerce			
Truck Weight Data	THD	06030100	6.3.0100.1
Community Profile - Business Statistics	TIC	06030200	6.3.0200.1
County Profile - Business Statistics	TIC	06030300	6.3.0300.1
 D. Government			
State Water District Master		06040100	6.4.0100.1
Community Profile - City Government Information	TIC	06040200	6.4.0200.1
County Profile - County Government Information	TIC	06040300	6.4.0300.1
State Water District Information	TWRC	06040400	6.4.0400.1



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	01010100
PAGE:	1.1.0100.1
DATE:	AUGUST, 1977

FILE NAME: DIGITIZED WATER-WELL LOCATIONS

## FILE DESCRIPTION:

This file presently contains coordinates, in digital form, of the boundaries of approximately 230 counties in Texas, and the locations of many water-level and water-quality observation wells within those counties. The file will be expanded to include all 254 counties in the State with selected well-location datum. Escarpment boundaries are also included for counties in the High Plains Region. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: As new wells are added

FREQUENCY OF COLLECTION: N/A

DATA RETRIEVAL  
PUBLICATIONS: Water Well Measurement  
System User's Manual  
Ground Water Quality Retrieval  
System User Reference Manual

UNITS OF MEASUREMENT: Latitude/Longitude

AUTOMATED SYSTEM  
NUMBER: WDO500, WD5100





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 01010200

PAGE: T.T.0200.1

DATE: AUGUST, 1977

FILE NAME: HARVARD DIGITIZED COUNTY BOUNDARIES

## FILE DESCRIPTION:

This is a card-image file containing the X-Y coordinates of the boundaries of all 254 counties in Texas. The file was created by digitizing the county boundaries and storing the coordinates on magnetic tape. The file was purchased from the Laboratory for Computer Graphics and Spatial Analysis at Harvard University. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide - all  
254 counties

FREQUENCY OF  
UPDATE: None

FREQUENCY OF COLLECTION: Once

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: X-Y Coordinates

AUTOMATED SYSTEM  
NUMBER: DB0500



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	01010250
PAGE:	1.1.0250.1
DATE:	AUGUST, 1977

FILE NAME: EROS DATA CENTER - AERIAL MAPPING PHOTOGRAPHY

## FILE DESCRIPTION:

Aerial Photography is acquired by the U. S. Geological Survey and other Federal Government agencies for mapping of the United States. The photography is Black & White and has less than 5 percent cloud cover.

The aerial survey altitudes range from 2000 to 40,000 feet. Because of the large number of aerial photographs necessary to show an area on the ground, the photographs have been indexed by mounting a series of consecutive and adjacent overlapping photographs to create a mosaic of photographs of a specified area. These mosaics are referred to as "photo indexes" and allow for rapid identification of photographic coverage of a specific area. Current holding includes some 43,000 photo indexes. Various types of Black & White imagery products are available. Examples of the products and their uses are available in TNRIS Systems Central. Microfilm browse files of LANDSAT coverage are also available for User inspection.

GEOGRAPHIC COVERAGE: U. S. - wide

FREQUENCY OF  
UPDATE: As available to EROS Data  
Center

FREQUENCY OF COLLECTION: As required to  
support Federal  
Mapping projects.

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 01010300

PAGE: 1.1.0300.1

DATE: AUGUST, 1977

FILE NAME: EROS DATA CENTER - LANDSAT STANDARD PRODUCTS

## FILE DESCRIPTION:

The first Earth Resources Technology satellite, ERTS-1 (renamed LANDSAT-1), was launched July 23, 1972. LANDSAT-2 was launched January 22, 1975. LANDSAT maintains a circular orbit 570 miles above the Earth's surface and circles the Earth every 103 minutes or about 14 times/day. Each daytime orbital pass is from North to South. Each LANDSAT can cover the entire globe, except for the poles, with repetitive coverage every 18 days.

LANDSAT presently carries three data acquisition systems:

- (1) A Multispectral Scanner (4 Spectral Bands)
- (2) A return beam Vidicon or TV System and
- (3) A Data Collection System to relay environmental data from ground-based data collection platforms

Various types of Black & White and Color imagery products and digital imagery data tapes are available. Examples of the products and their uses are available in TNRIS Systems Central. Microfilm browse files of LANDSAT coverage are also available for user inspection.

GEOGRAPHIC COVERAGE: World-wide except poles.

FREQUENCY OF  
UPDATE: As materials are received  
from initial processing site.

FREQUENCY OF COLLECTION: Each point covered every 18 days

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 01010350
PAGE: 1.1.0350.1
DATE: AUGUST, 1977

FILE NAME: EROS DATA CENTER - NASA AIRCRAFT PHOTOGRAPHY

## FILE DESCRIPTION:

NASA Aerial Photography is the product of aerial surveys carried out by the NASA Earth Resources Aircraft Program. The Program is directed primarily at testing a variety of remote-sensing instruments and techniques in aerial flights.

Aerial photography is acquired in a wide variety of formats from flights at altitudes of a few thousand feet up to 60,000 feet using U-2 and RB - 57F aircraft. Various types of imagery products in color, color infrared, and Black & White are available. Examples of the products and their uses are available in TNRIS Systems Central. Microfilm browse files of LANDSAT coverage are also available for user inspection.

**GEOGRAPHIC COVERAGE:** Selected test sites in U. S. and a few foreign areas.

**FREQUENCY OF UPDATE:** As imagery is received from NASA.

**FREQUENCY OF COLLECTION:** As NASA aircraft coverage needs dictate.

**DATA RETRIEVAL PUBLICATIONS:**

**UNITS OF MEASUREMENT:**

**AUTOMATED SYSTEM NUMBER:**



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	01010400
PAGE:	1.1.0400.1
DATE:	AUGUST, 1977

FILE NAME: EROS DATA CENTER - MANNED SPACE CRAFT PHOTOGRAPHY

## FILE DESCRIPTION:

The NASA Skylab Program consisted of one unmanned and three manned missions, flown in 1973 and 1974. The space craft traveled in orbit 270 miles above the earth and acquired imagery and other data of scattered test sites selected to support earth resources experiments.

The Skylab Earth Resources Experiment Package (EREP) consisted of six remote-sensing systems and was designed as a spaceborne facility to be used by the scientific community. The systems used were:

- (1) A 6-camera multispectral system
- (2) An Earth Terrain Camera
- (3) An Infrared Spectrometer
- (4) A 13-band multi-spectral Scanner System
- (5) A Microwave Radiometer/Scatterometer and Altimeter
- (6) An L-Band Radiometer

(Continued next page)

GEOGRAPHIC COVERAGE: Selected areas  
world wide  
(50°N - 50° S)

FREQUENCY OF  
UPDATE: Program ended

FREQUENCY OF COLLECTION: Selected time  
periods

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	01010400
PAGE:	1.1.0400.2
DATE:	AUGUST, 1977

FILE NAME: EROS DATA CENTER - MANNED SPACE CRAFT PHOTOGRAPHY (Continued)

## FILE DESCRIPTION:

Photographic coverage over limited areas of the Earth was acquired by the Gemini and Apollo missions from 1965 to 1969.

Various types of imagery products in Black & White and Color are available. Examples of the products and their uses are available in TNRIS Systems Central. Microfilm browse files of LANDSAT coverage are also available for user inspection.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	01010450
PAGE:	1.1.0450.1
DATE:	AUGUST, 1977

FILE NAME: AGRICULTURAL STABILIZATION & CONSERVATION SERVICE (ASCS) -  
AERIAL PHOTOGRAPHY

## FILE DESCRIPTION:

Various types of Black and White aerial imagery products are available from ASCS. Imagery is acquired to satisfy USDA/ASCS studies/projects.

GEOGRAPHIC COVERAGE: Nation-wide

## FREQUENCY OF

UPDATE: As imagery is received from  
acquiring agencies.

FREQUENCY OF COLLECTION: As needed to  
support USDA.

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 01010500
PAGE: 1.1.0500.1
DATE: AUGUST, 1977

FILE NAME: GEOGRAPHIC INFORMATION SYSTEM COUNTY BOUNDARIES

## FILE DESCRIPTION:

This file contains geographic coordinates of all County boundaries in Texas. It is defined as a TNRIS Geographic Information System (GIS) geographic base file. All coordinates are actual latitude and longitude values, expressed as declined degrees. The data can be accessed by county and/or geographic area by existing GIS Software.

GEOGRAPHIC COVERAGE: State

FREQUENCY OF  
UPDATE: None

FREQUENCY OF COLLECTION: Once

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Latitude  
Longitude

AUTOMATED SYSTEM  
NUMBER: DB0500





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 01010600
PAGE: 1.1.0600.1
DATE: AUGUST, 1977

FILE NAME: BUREAU OF THE CENSUS/DIME COUNTY BOUNDARIES

## FILE DESCRIPTION:

Contains digitized county boundaries for all 254 Texas counties in Latitude/Longitude. The Dual Independent Map Encoding (DIME) file was digitized by the U. S. Census Bureau. Texas county boundaries have been extracted from the file and included in the Geographic Information System maintained by TNRIS. The data can be accessed by county and/or geographic area by existing Geographic Information System Software.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Latitude  
Longitude

AUTOMATED SYSTEM  
NUMBER: DB0500



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	01010625
PAGE:	1.1.0625.1
DATE:	AUGUST, 1977

FILE NAME: 10 MINUTE GRID COORDINATE TABLE

## FILE DESCRIPTION:

This file contains the 10 minute grid coordinate records which are used to match against Federal dove (etc.) recovery and banding summary tapes (match on latitude and longitude), adding county name, county number, and the county's primary and secondary ecological region to the Federal tape.

The record contains the latitude, longitude, primary and secondary ecological regions, and the county name and number of each 10-minute grid unit. This data is furnished to the Texas Natural Resources Information System by the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 01010650

PAGE: 1.1.0650.1

DATE: AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - GEOGRAPHIC LOCATION

## FILE DESCRIPTION:

This file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers community factor.

GEOGRAPHIC COVERAGE: Statewide, 533  
communities

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10  
years for other

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	01010655
PAGE:	1.1.0655.1
DATE:	AUGUST, 1977

FILE NAME: COUNTY PROFILE - GEOGRAPHIC LOCATION

## FILE DESCRIPTION:

This file contains descriptive information on all 254 counties in Texas. Over 1050 factors are available for each county in the file. Data is collected by the Texas Industrial Commission. Factors fall into such categories as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers are county and factor.

GEOGRAPHIC COVERAGE: Statewide, all 254 counties

FREQUENCY OF UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some data, every 10 years for some

DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	01010675
PAGE:	1.1.0675.1
DATE:	AUGUST, 1977

FILE NAME: STATE WATER DISTRICT MASTER

## FILE DESCRIPTION:

Selected information concerning water districts is contained on this file. Data includes names and addresses, bond issues, area, latest audit date and information required by Section 50.302, Texas Water Code. The primary identifier is an alpha code. This data is furnished to the Texas Natural Resources Information System through the Texas Water Rights Commission.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: As needed

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Dollars, acres  
and percent

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 01010800
PAGE: 1.1.0800.1
DATE: AUGUST, 1977

FILE NAME: DEFENSE INTELLIGENCE AGENCY (DIA) AERIAL PHOTOGRAPHY

## FILE DESCRIPTION:

The Defense Intelligence Agency possesses aerial photographic coverage of the United States in a variety of film types, scales and formats acquired on military training flights for reconnaissance and in support of the Defense Mapping Agency charting and mapping programs. The photography is unclassified.

GEOGRAPHIC COVERAGE: Nation-wide

FREQUENCY OF  
UPDATE: As available from Defense  
Mapping Agency and Military  
units

FREQUENCY OF COLLECTION: As required to  
support Department  
of Defense operations

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 01010900

PAGE: 1.1.0900.1

DATE: AUGUST, 1977

NATIONAL CARTOGRAPHIC INFORMATION CENTER (NCIC) CARTOGRAPHIC  
FILE NAME: DATA AND IMAGERY

## FILE DESCRIPTION:

The National Cartographic Information Center (NCIC), established by the U. S. Geological Survey in July, 1974, is a national information service to make cartographic data and remote sensing imagery accessible to the public and to Federal, State and local agencies. These data include maps and charts, aerial and satellite imagery, geodetic control data and map data in digital form. NCIC serves as a central indexing system for aerial photography coverage which has been flown by Federal, State and local Agencies as well as by a variety of private entities. TNRIS Systems Central serves as a Local Assistance Center for NCIC to make NCIC products available to TNRIS users.

GEOGRAPHIC COVERAGE: Nation-wide

FREQUENCY OF  
UPDATE: As available to NCIC

FREQUENCY OF COLLECTION: Continually accepts  
photo indexes from  
participating agencies

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:

## II. METEOROLOGICAL RESOURCES



A. CLIMATOLOGICAL



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02010100
PAGE: 2.1.0100.1
DATE: AUGUST, 1977

FILE NAME: DAILY NWS PRECIPITATION

## FILE DESCRIPTION:

This file consists of daily precipitation measurements recorded at NWS stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for over 1100 Texas stations are included. The period of record for stations begins in 1900. Records tend to be more complete since 1948 for most stations. Measurements are recorded to hundredths of an inch or as a trace for very small amounts. Primary file identifiers are station number and date. The file is updated quarterly from data supplied by the National Weather Service (formerly the USWB). This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02010200
PAGE:	2.1.0200.1
DATE:	AUGUST, 1977

FILE NAME: DAILY TWDB PRECIPITATION

## FILE DESCRIPTION:

This file contains daily precipitation measurements recorded at 56 stations across the State. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in inches to hundredths or as a trace for very small amounts. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 56  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02010300
PAGE:	2.1.0300.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY NWS PRECIPITATION

## FILE DESCRIPTION:

This file consists of monthly precipitation measurements recorded at NWS stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for over 1100 Texas Stations are included with a few stations having recorded data as far back as 1850. Measurements are recorded to hundredths of an inch, or as a trace for small amounts. Primary file identifiers are station number and date. The file is updated quarterly from data supplied by the National Weather Service (formerly the USWB). This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02010400

PAGE: 2.1.0400.1

DATE: AUGUST, 1977

FILE NAME: MONTHLY TWDB PRECIPITATION

## FILE DESCRIPTION:

This file contains monthly precipitation measurements recorded at 56 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in inches to hundredths or as a trace for very small amounts. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 56  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02010500
PAGE: 2.1.0500.1
DATE: AUGUST, 1977

FILE NAME: DAILY NWS MINIMUM TEMPERATURE

## FILE DESCRIPTION:

This file consists of daily minimum temperature measurements recorded at NWS stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for approximately 600 Texas stations are included with 300 stations having at least ten years of recorded data with over 90% of daily data present. Measurements are recorded in whole degrees Fahrenheit. Primary file identifiers are station number and date. The file is updated quarterly from data supplied by the National Weather Service (formerly the USWB). This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Degrees Fahrenheit

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02010600

PAGE: 2.1.0600.1

DATE: AUGUST, 1977

FILE NAME: DAILY TWDB MINIMUM TEMPERATURE

## FILE DESCRIPTION:

This file consists of daily minimum temperature measurements recorded at 56 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in degrees Fahrenheit. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 56  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Degrees Fahrenheit

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02010650
PAGE:	2.1.0650.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY NWS MINIMUM TEMPERATURE

## FILE DESCRIPTION:

This file consists of monthly average minimum temperature measurements recorded at NWS stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for approximately 600 Texas stations are included with over 300 stations having at least ten years of recorded data. Measurements are recorded in whole degrees Fahrenheit. Primary file identifiers are station number and date. The file is updated quarterly by averaging daily minimum temperature measurements supplied by the National Weather Service. Monthly averages are calculated for only those months having recorded measurements for every day in the month. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Degrees Fahrenheit

AUTOMATED SYSTEM  
NUMBER: WD1000





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02010700
PAGE:	2.1.0700.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY TWDB MINIMUM TEMPERATURE

## FILE DESCRIPTION:

This file consists of monthly minimum temperature measurements recorded at 56 Stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in degrees Fahrenheit. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 56  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Degrees Fahrenheit

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02010800
PAGE:	2.1.0800.1
DATE:	AUGUST, 1977

FILE NAME: DAILY NWS MAXIMUM TEMPERATURE

## FILE DESCRIPTION:

This file consists of daily maximum temperature measurements recorded at NWS stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for approximately 600 Texas Stations are included with over 300 stations having at least ten years of recorded data with over 90% of daily data present. Measurements are recorded in whole degrees Fahrenheit. Primary file identifiers are station number and date. The file is updated quarterly from data supplied by the National Weather Service (formerly the USWB). This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Degrees Fahrenheit

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02010900
PAGE: 2.1.0900.1
DATE: AUGUST, 1977

FILE NAME: DAILY TWDB MAXIMUM TEMPERATURE

## FILE DESCRIPTION:

This file consists of daily maximum temperature measurements recorded at 56 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in degrees Fahrenheit. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 56  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Degrees Fahrenheit

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02010950
PAGE:	2.1.0950.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY NWS MAXIMUM TEMPERATURE

## FILE DESCRIPTION:

This file consists of monthly average maximum temperature measurements recorded at National Weather Service stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for approximately 600 Texas stations are included with over 300 stations having at least ten years of recorded data. Measurements are recorded in whole degrees Fahrenheit. Primary file identifiers are station number and date. The file is updated quarterly by averaging daily maximum temperature measurements supplied by the National Weather Service. Monthly averages are calculated for only those months having recorded measurements for every day in the month. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Degrees Fahrenheit

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02011000

PAGE: 2.1.1000.1

DATE: AUGUST, 1977

FILE NAME: MONTHLY TWDB MAXIMUM TEMPERATURE

## FILE DESCRIPTION:

This file consists of monthly maximum temperature measurements recorded at 56 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in degrees Fahrenheit. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 56  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Degrees Fahrenheit

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02011100
PAGE: 2.1.1100.1
DATE: AUGUST, 1977

FILE NAME: DAILY NWS WIND MOVEMENT

## FILE DESCRIPTION:

This file consists of daily wind movement measurements recorded at National Weather Service stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for 61 Texas stations are included. Some stations have been recording measurements since 1948, and approximately half the stations current through present. Measurements are recorded to the nearest mile. Primary file identifiers are station number and date. The file is updated quarterly from data supplied by the National Weather Service (formerly the USWB). This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Miles

AUTOMATED SYSTEM  
NUMBER: WDO100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02011200

PAGE: 2.1.1200.1

DATE: AUGUST, 1977

FILE NAME: DAILY TWDB WIND MOVEMENT

## FILE DESCRIPTION:

This file consists of daily wind movement measurements recorded at 46 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in whole miles. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 46  
Stations

FREQUENCY OF COLLECTION: Daily

UNITS OF MEASUREMENT: Miles

FREQUENCY OF  
UPDATE: Annually

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02011250
PAGE:	2.1.1250.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY NWS WIND MOVEMENT

## FILE DESCRIPTION:

This file consists of monthly wind movement measurements recorded at National Weather Service stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for 61 Texas stations is included. Some stations have been recording measurements since 1948, and approximately half the stations current through present. Measurements are recorded to the nearest mile. Primary file identifiers are station number and date. This file is updated quarterly by summing up daily wind movement values supplied by the National Weather Service. Monthly totals are calculated for only those months having recorded measurements for every day in the month. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Miles

AUTOMATED SYSTEM  
NUMBER: WD1000





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02011300
PAGE:	2.1.1300.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY TWDB WIND MOVEMENT

## FILE DESCRIPTION:

This file consists of monthly wind movement measurements recorded at 46 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded to the nearest mile. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 46  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Miles

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02011400
PAGE:	2.1.1400.1
DATE:	AUGUST, 1977

FILE NAME: DAILY NWS PAN EVAPORATION

## FILE DESCRIPTION:

This file consists of daily pan evaporation measurements recorded at National Weather Service stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for 60 Texas stations are included. Some stations recording measurements since 1948, and approximately half the stations current through present. Measurements are recorded in inches to hundredths. Measurements are not taken in below freezing temperatures. Primary file identifiers are station number and date. The file is updated quarterly from data supplied by the National Weather Service (formerly the USWB). This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WDO100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02011500
PAGE: 2.1.1500.1
DATE: AUGUST, 1977

FILE NAME: DAILY TWDB 2-FT. PAN EVAPORATION

## FILE DESCRIPTION:

This file contains measurements of daily evaporation from a 2-foot pan, recorded at approximately 40 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in inches. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 40  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02011600
PAGE:	2.1.1600.1
DATE:	AUGUST, 1977

FILE NAME: DAILY TWDB 4-FT. PAN EVAPORATION

## FILE DESCRIPTION:

This file contains measurements of daily evaporation from a 4-foot pan, recorded at approximately 39 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in inches. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 39  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02011700

PAGE: 2.1.1700.1

DATE: AUGUST, 1977

FILE NAME: DAILY TWDB 6-FT PAN EVAPORATION

## FILE DESCRIPTION:

This file contains measurements of daily evaporation from a 6-foot pan, recorded at two stations. Data was gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in inches. Primary file identifiers are station number and date. This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: 2 stations

## FREQUENCY OF

UPDATE: Discontinued in 1970

FREQUENCY OF COLLECTION: Discontinued in  
1970

## DATA RETRIEVAL

PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Inches

## AUTOMATED SYSTEM

NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02011750
PAGE:	2.1.1750.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY NWS PAN EVAPORATION

## FILE DESCRIPTION:

This file consists of monthly pan evaporation measurements recorded at National Weather Service stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Louisiana and Illinois. Data for 55 Texas stations are included. Measurements are recorded in inches to hundredths, and are not recorded at all during freezing temperatures. Primary file identifiers are station number and date. The file is updated quarterly by summing up daily pan evaporation values supplied by the National Weather Service. Monthly totals are calculated for only those months having recorded measurements for every day in the month. Because most months have one or more daily values missing, the monthly values are quite sporadic. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02011800
PAGE:	2.1.1800.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY TWDB 2-FT. PAN EVAPORATION

## FILE DESCRIPTION:

This file contains measurements of monthly evaporation from a 2-foot pan, recorded at approximately 40 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in inches. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 40  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02011900
PAGE:	2.T.1900.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY TWDB 4-FT. PAN EVAPORATION

## FILE DESCRIPTION:

This file contains measurements of monthly evaporation from a 4-foot pan, recorded at approximately 39 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in inches. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 39  
Stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD1000





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02012000
PAGE:	2.1.2000.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY TWDB 6-FOOT PAN EVAPORATION

## FILE DESCRIPTION:

This file contains measurements of monthly evaporation from a 6-foot pan, recorded at two stations. Data is gathered through a cooperative program involving the Texas Water Development Board and Texas A & M University. Measurements are recorded in inches. Primary file identifiers are station number and date. This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: 2 stations

FREQUENCY OF  
UPDATE: Discontinued in 1970

FREQUENCY OF COLLECTION: Discontinued in  
1970

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02012100
PAGE:	2.1.2100.1
DATE:	AUGUST, 1977

FILE NAME: NWS DAILY CLIMATOLOGICAL MASTER FILE

FILE DESCRIPTION:

This file consists of daily climatological data recorded by a statewide network of approximately 1600 Nation Weather Service stations, a few of which have recorded data as far back as 1900. A great many climatological parameters are recorded sporadically by the network, but only a few parameters are collected on a regular basis.

Below is a summation of parameters that are collected at various NWS stations:

- |                                    |                                    |           |
|------------------------------------|------------------------------------|-----------|
| Station Number                     | Daily Mean Temperature             |           |
| Date of Measurement                | Degree Days                        |           |
| Climate Division                   | Wind Movements for 24 Hours        |           |
| Maximum Temperature                | Evaporation                        |           |
| Minimum Temperature                | Maximum Water Temperature Pan      |           |
| Temperature at Observation Time    | Minimum Water Temperature Pan      |           |
| Precipitation                      | Water Equivalent of Snow on Ground |           |
| Mean Maximum Temperature Departure | Snowfall and Sleet                 |           |
| Maximum Temperature Change         | Snow Depth on Ground               |           |
| Mean Minimum Temperature           | Estimated Precipitation            |           |
| Minimum Temperature Change         | Days With:                         |           |
|                                    | Smoke, Haze                        | Thunder   |
|                                    | Fog                                | Hail      |
|                                    | Drizzle                            | Dust,     |
|                                    |                                    | Sandstorm |

(Please see next page)

GEOGRAPHIC COVERAGE: Statewide, 1600 stations	FREQUENCY OF UPDATE: Quarterly
FREQUENCY OF COLLECTION: Daily	DATA RETRIEVAL PUBLICATIONS: Daily Data Retrieval System User Reference Manual WD-0105-00
UNITS OF MEASUREMENT: As applicable	AUTOMATED SYSTEM NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02012100
PAGE: 2.1.2100.2
DATE: AUGUST, 1977

FILE NAME: NWS DAILY CLIMATOLOGICAL MASTER FILE (Continued)

## FILE DESCRIPTION:

### Days With:

Sleet	Blowing Snow
Glaze	High Wind
Tornado	

Daily precipitation measurements are taken at a majority of stations, but less than 600 stations record minimum and maximum temperatures, and fewer than 70 stations record wind movement and pan evaporation. Only 19 stations collect the remainder of the parameters listed above. Stations are located in all 254 Texas counties.

This data file, which is updated quarterly, is obtained from the National Weather Service (formerly the USWB) in Asheville, North Carolina. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02012200
PAGE:	2.1.2200.1
DATE:	AUGUST, 1977

FILE NAME: TWDB DAILY CLIMATOLOGICAL MASTER FILE

## FILE DESCRIPTION:

This file contains daily climatological measurements recorded at 56 stations across the State of Texas from 1969. Data is collected through a cooperative program between the Texas Water Development Board and Texas A & M University. Primary file identifiers are station number and date.

Below is a summation of the parameters stored on the file:

Station Number	Occurance of Moisture:
Date of Measurement	Rain Snow Frost
Maximum Temperature	Hail Mist Freeze
Minimum Temperature	Sleet Fog
Temperature at Time of Observation	Glaze Dew
Mean Relative Humidity	Occurance of Wind & Storm:
Precipitation	Still Damaging Norther
Wind Movement	Moderate Tornado Hot wind
	Strong Thunder
	Condition of Atmosphere:
	Haze Partly Cloudy
	Clear Cloudy

This data is furnished to the Texas Natural Resources Information System by the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, 56  
Stations

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02012300

PAGE: 2.T.2300.1

DATE: AUGUST, 1977

FILE NAME: MONTHLY CLIMATIC INDEX

## FILE DESCRIPTION:

Monthly Climatic Index data is available since 1903 for locations throughout the entire state of Texas. Climatic Index is a number expressing a relation of four climatic factors - air temperature, dew point temperature, wind movement, and solar radiation. It is used as an estimation of gross lake surface evaporation and as an estimation of potential soil moisture depletion. Updates to the file are furnished by the Texas Water Rights Commission, which is responsible for calculating the climatic index data and sorting the file according to latitude and longitude. Data is available on a monthly basis by 1° quadrangle. Primary file identifiers are quadrangle and date. This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide by  
1° quadrangle

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02012400
PAGE:	2.1.2400.1
DATE:	AUGUST, 1977

FILE NAME: HOURLY COASTAL CLIMATOLOGICAL FILE

## FILE DESCRIPTION:

This file consists of several climatological parameters collected at eight stations along the Texas coastline by the U. S. Coast Guard. Parameters are normally measured three times daily. Climatological factors on the file include:

- Station Number
- Date of Observation
- Time of Observation
- Precipitation
- Wind Speed
- Wind Direction
- Air Temperature
- Barometric Pressure
- Present Weather Condition
- Visibility
- Sea Condition

Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: 8 stations along the  
Texas coastline

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Three times daily

DATA RETRIEVAL  
PUBLICATIONS: Hourly Coastal Climato-  
logical Data System User  
Reference Manual  
WD-0705-00, Volume I

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER: WD0700



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02012500

PAGE: 2.1.2500.1

DATE: AUGUST, 1977

FILE NAME: NWS HOURLY PRECIPITATION

## FILE DESCRIPTION:

This file consists of precipitation measurements made hourly at 255 National Weather Service (NWS) climatological data gathering stations throughout the State since 1960. Measurements are recorded to hundredths of an inch or as a trace for very small amounts. Primary file identifiers are station number and date. The file is updated quarterly from data supplied by the National Weather Service. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide,  
255 stations

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Hourly

DATA RETRIEVAL  
PUBLICATIONS: Hourly Climatological  
System NWS Hourly Precipitation  
Data User Reference Manual  
WD-0705-00 Volume II

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD0700



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02012600
PAGE: 2.1.2600.1
DATE: AUGUST, 1977

FILE NAME: NWS HOURLY CLIMATOLOGICAL FILE

## FILE DESCRIPTION:

This file consists of hourly climatological observations recorded hourly at approximately 40 stations across the State. Prior to 1965, 24 hourly observations per day were usually recorded. After January 1, 1965, observations were recorded every three hours at most stations. Among the parameters recorded are:

- Wind Direction
- Speed
- Barometric Pressure
- Wet and Dry Bulb Temperature
- Cloud Conditions
- Humidity

The occurrence and intensity of all forms of precipitation, both liquid and frozen, is recorded, although amount of precipitation is not. All data is obtained from the National Weather Service (NWS). Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board and the Texas Air Control Board. Software to report the data was developed in cooperation with the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Approximately 40  
stations statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Every three hours

DATA RETRIEVAL  
PUBLICATIONS: Hourly Climatological  
Data System User Reference  
Manual

UNITS OF MEASUREMENT: Various

WD-0705-00  
AUTOMATED SYSTEM  
NUMBER: WD0700





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02012700
PAGE:	2.1.2700.1
DATE:	AUGUST, 1977

FILE NAME: GROSS LAKE SURFACE EVAPORATION - TWDB REPORT 64

## FILE DESCRIPTION:

This file contains gross lake surface evaporation rates in inches for the entire state of Texas. The data is computed for each station in a statewide network by applying monthly pan coefficients to the raw pan-evaporation data. A Computer Analysis is made from these data and monthly average evaporation rates are computed for each 1° quadrangle statewide. Primary file identifiers are quadrangle and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide by  
1° quadrangle

FREQUENCY OF  
UPDATE: Approximately 5 years

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02012800
PAGE:	2.1.2800.1
DATE:	AUGUST, 1977

FILE NAME: NET LAKE SURFACE EVAPORATION - TWDB REPORT 64

## FILE DESCRIPTION:

This file contains net lake surface evaporation rates in feet for the entire State of Texas. The net lake surface evaporation rates for each quadrangle are obtained by subtracting the effective rainfall from the gross lake surface evaporation and converting from inches to depth in feet.

This data is used in the water supply analysis for maintaining the Texas Water Plan and is extensively used by hydrologists throughout the state for hydrological investigations. Primary file identifiers are quadrangle and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide by  
1° quadrangle

FREQUENCY OF  
UPDATE: Approximately every 5 years

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Feet

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02012900
PAGE:	2.1.2900.1
DATE:	AUGUST, 1977

FILE NAME: DAILY TWDB RELATIVE HUMIDITY

## FILE DESCRIPTION:

This file consists of daily arithmetic averages of the maximum and minimum relative humidity values recorded on a hydrograph at 46 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board, Texas A & M University Experiment Stations, and other entities. Measurements are recorded in percent. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System by the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: None

FREQUENCY OF COLLECTION:

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Percent

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02013000
PAGE:	2.1.3000.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY TWDB RELATIVE HUMIDITY

## FILE DESCRIPTION:

This file consists of monthly means of daily arithmetic averages of the maximum and minimum relative humidity values recorded on a hydrograph at 46 stations across the state. Data is gathered through a cooperative program involving the Texas Water Development Board, Texas A & M University Experiment Stations, and other entities. Measurements are recorded in percent. Primary identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System by the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: None

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Percent

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02013100
PAGE: 2.1.3100.1
DATE: AUGUST, 1977

FILE NAME: DAILY IBWC PRECIPITATION

## FILE DESCRIPTION:

This file contains daily precipitation measurements recorded at 166 stations in the Rio Grande watershed in Texas. Data is gathered by the International Boundary and Water Commission (IBWC) and published in annual water bulletins. Measurements are recorded in inches to hundredths or as a trace for very small amounts. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System by the International Boundary and Water Commission by the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Rio Grande watershed  
in Texas, 166  
stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Inches

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02013300
PAGE:	2.1.3300.1
DATE:	AUGUST, 1977

FILE NAME: TFS FIRE WEATHER REPORTS

## FILE DESCRIPTION:

This file contains daily weather information collected by the Texas Forest Service at seven reporting stations. Fire weather and wildfire information provide a basis to forecast fire hazards and behavior. Primary file identifiers are Texas Forest Service district and date. This data is furnished to the Texas Natural Resources Information System through the Texas Forest Service. Below is a summation of the parameters stored on this file:

- District
- Date
- Temperature
- Relative Humidity
- Herbaceous Vegetation Condition
- Ignition Component
- Risk
- Occurrence Index
- Wind Speed
- Spread Component
- Energy Release Component
- Burning Index
- Fire Load Index
- Precipitation Duration
- Precipitation Amount

GEOGRAPHIC COVERAGE: 52 Counties - East  
Texas Region

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02013600
PAGE: 2.1.3600.1
DATE: AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - CLIMATOLOGICAL DATA

## FILE DESCRIPTION:

The Community Profile - Climatological Data file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers community factor.

GEOGRAPHIC COVERAGE: Statewide, 533  
communities

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10  
years for other

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02013700
PAGE: 2.1.3700.1
DATE: AUGUST, 1977

FILE NAME: COUNTY PROFILE - CLIMATOLOGICAL DATA

## FILE DESCRIPTION:

The County Profile - Climatological Data file contains descriptive information on all 254 counties in Texas. Over 1050 factors are available for each county in the file. Data is collected by the Texas Industrial Commission. Factors fall into such categories as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers are county and factor.

GEOGRAPHIC COVERAGE: Statewide, all 254 counties

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some data, every 10 years for some

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



B. AIR QUALITY



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02020100
PAGE: 2.2.0100.1
DATE: AUGUST, 1977

FILE NAME: TRANSPORTATION RELATED AIR QUALITY DATA

## FILE DESCRIPTION:

This file contains air pollution data recorded by measurement at preselected sites within major Texas population areas for completion of environmental impact statements of associated highway construction projects. As of November, 1973, the instruments involved in the data collection and measurement phase are a hydrogen flame ionization detector for measuring the total hydrocarbon compounds present, a carbon monoxide monitor, and the instruments for measuring wind speed, wind direction, relative humidity, barometric pressure and temperature. The measured data items are:

1. Total hydrocarbons in parts per million (ppm).
2. Carbon monoxide in parts per million (ppm).
3. Wind Speed in miles per hour.
4. Wind direction during the measurement period in compass degrees.
5. Relative humidity in percent.
6. Barometric pressure in inches of HG about an operator-set reference.
7. Temperature in degrees Fahrenheit.
8. Nitrogen oxide (s). (Planned as of November 1973).

The data are recorded for periods of a maximum of two hours at any one specific

(Please see next page)

GEOGRAPHIC COVERAGE: Preselected sites with-  
in major Texas population areas.

FREQUENCY OF  
UPDATE: None planned

FREQUENCY OF COLLECTION: One time recording.

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various and described  
in the section on File  
Description

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02020100

PAGE: 2.2.0100.2

DATE: AUGUST, 1977

FILE NAME: TRANSPORTATION RELATED AIR QUALITY DATA (Continued)

## FILE DESCRIPTION:

site. Initial capture of data is onto Teletype paper tape. The data are then transferred to digital magnetic tape and instrument drift removal calculations are performed on the data. The data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02020200
PAGE:	2.2.0200.1
DATE:	AUGUST, 1977

FILE NAME: AVERAGE PARTICULATE AND GASEOUS POLLUTANTS #1

## FILE DESCRIPTION:

Processes pollutant level data (read from cards) producing an updated file and optional reports with data presented in various formats.

46 particulate and 6 gaseous pollutants are measured. The data is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Selected sites-  
statewide

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: 24-hour average  
(at irregular  
intervals)

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02020300
PAGE:	2.2.0300.1
DATE:	AUGUST, 1977

FILE NAME: AVERAGE PARTICULATE AND GASEOUS POLLUTANTS #2

## FILE DESCRIPTION:

Processes pollutant level data (read from cards) producing an updated file and optional reports with data presented in various formats.

46 particulate and 6 gaseous pollutants are measured. This data is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Selected sites,  
statewide

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: 24 hour average  
(at regular intervals)

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02020400
PAGE:	2.2.0400.1
DATE:	AUGUST, 1977

FILE NAME: CONTINUOUS AIR POLLUTION MONITORING NETWORK

## FILE DESCRIPTION:

This file contains averaged hourly pollutant measurements recorded at 5 sites\* across the state of Texas from 1972 to present. Data recorded includes:

- Location
- Date
- Time
- Pollutant
- Method of measurement
- Pollutant level

24 different measurements are recorded.

This file is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

\* To be expanded to 12 sites.

GEOGRAPHIC COVERAGE: Statewide, 5 stations

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Continuous

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various pollutants

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02020400

PAGE: 2.2.0400.1

DATE: AUGUST, 1977

FILE NAME: CONTINUOUS AIR POLLUTION MONITORING NETWORK

## FILE DESCRIPTION:

This file contains averaged hourly pollutant measurements recorded at 5 sites\* across the state of Texas from 1972 to present. Data recorded includes:

- Location
- Date
- Time
- Pollutant
- Method of measurement
- Pollutant level

24 different measurements are recorded.

\* To be expanded to 12 sites.

This file is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Statewide, 5 stations

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Continuous

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various pollutants

AUTOMATED SYSTEM  
NUMBER:

C. MAN'S ACTIVITIES





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02030100
PAGE:	2.3.0100.1
DATE:	AUGUST, 1977

FILE NAME: COMPLIANCE DIVISION MAILING LIST (TACB)

## FILE DESCRIPTION:

This file consists of names and addresses of persons or groups on the mailing list for the Compliance Division. Each person or group is identified by a unique account number. Persons and groups on this file are those who:

1. Want to be notified of a future board meeting.
2. Want a copy of the minutes of the last board meeting, and/or
3. Are interested civic groups and general public.

This data is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Bi-weekly

FREQUENCY OF COLLECTION: Bi-weekly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02030200

PAGE: 2.3.0200.1

DATE: AUGUST, 1977

FILE NAME: OFFICE OF EXECUTIVE DIRECTOR MAILING LIST (TACB)

## FILE DESCRIPTION:

This file consists of names and addresses of persons or groups on the mailing list for the Office of the Executive Director. Each person or group is identified by a unique account number. Persons and groups on this file are:

1. Technical Advisory Committee
2. Citizens Advisory Council
3. Local Air Control Program Groups
4. Texas Air Control Board, and
5. Air Control Board Regional Supervisors.

This file is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02030300

PAGE: 2.3.0300.1

DATE: AUGUST, 1977

FILE NAME: TECHNICAL SUPPORT/SAMPLING DIVISION MAILING LIST (TACB)

## FILE DESCRIPTION:

This file consists of names and addresses of persons or groups on the mailing list for the Technical Support/Sampling Division. Each person or group is identified by a unique account number. Persons and groups on this file are all interested in Source Sampling. This data is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Bi-weekly

FREQUENCY OF COLLECTION: Bi-weekly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02030400
PAGE:	2.3.0400.1
DATE:	AUGUST, 1977

FILE NAME: 1971-1972 SUMMARY OF EMISSIONS SOURCES

## FILE DESCRIPTION:

This is a System 2000 formatted data base. Various industrial pollutant measurements are recorded. Data can be retrieved in several ways. Among them are:

- by source (site, county, region, etc.);
- by year;
- by type of pollutant.

This data is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Not Updated

FREQUENCY OF COLLECTION: One Time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 02030500
PAGE: 2.3.0500.1
DATE: AUGUST, 1977

FILE NAME: AIR POLLUTION QUESTIONNAIRES MAILING LIST

## FILE DESCRIPTION:

This file contains data on factories and industries in Texas. Such data as county code, city number, name, address, zip code, etc., is all included. Also contained in the file is information about when certain questionnaires were sent and the results of these questionnaires. All names included in the file are those of polluters or potential polluters.

This data is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Once a week

FREQUENCY OF COLLECTION: Random

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02030600
PAGE:	2.3.0600.1
DATE:	AUGUST, 1977

FILE NAME: COMPLIANCE WITH AIR POLLUTION LAWS DATA

## FILE DESCRIPTION:

This file contains data designed to assist monitoring the progress of point sources within the state in attaining compliance with new regulations promulgated by the Texas Air Control Board. The data includes statements of compliance and results of sampling to obtain levels of pollution.

This data is furnished to the Texas Natural Resources Information System through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Twice a month

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	02030700
PAGE:	2.3.0700.1
DATE:	AUGUST, 1977

FILE NAME: SOURCE SURVEILLANCE INVESTIGATOR'S REPORTS

## FILE DESCRIPTION:

File of original Source Surveillance Investigators' Reports for 1971-72  
(On-site inspections of manufacturing plants).

This data is furnished to the Texas Natural Resources Information System  
through the Texas Air Control Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Continuous

FREQUENCY OF COLLECTION: Continuous

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: N/A

AUTOMATED SYSTEM  
NUMBER:

### III. BIOLOGICAL RESOURCES



A. ANIMAL



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03010100
PAGE:	3.1.0100.1
DATE:	AUGUST, 1977

FILE NAME: COASTAL ZONE BIOLOGICAL INFORMATION

## FILE DESCRIPTION:

Data pertaining to marine organisms of the Texas Gulf Coast are available in this file. Taxonomic parameters are being stored for the Matagorda, San Antonio, Copano-Aransas, Corpus Christi Bay, Sabine Lake and Galveston Bay Systems. The major categories are nekton, plankton, and benthic organisms. The data collection programs are being coordinated by the Texas Water Development Board.

Within a given bay system the primary file identifiers are line, site, date, depth, and time. The organisms scientific name and count level of all species found in a sample are recorded, and selected physical characteristics such as size and weight, are recorded for nekton. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Sabine Lake, Galveston, Brazos, Matagorda, San Antonio, Copano-Aransas, Corpus Christi and Laguna Madre bay systems

FREQUENCY OF COLLECTION: Monthly/Bi-monthly

UNITS OF MEASUREMENT: As applicable

FREQUENCY OF  
UPDATE: Monthly

DATA RETRIEVAL           WD-2510-01  
PUBLICATIONS: Coastal Data System  
Storage Reference Manual and  
Coastal Data System User  
Documentation Volume II

AUTOMATED SYSTEM  
NUMBER: WD2500



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03010200
PAGE:	3.1.0200.1
DATE:	AUGUST, 1977

FILE NAME: GULF COAST SHRIMP CATCH DATA

## FILE DESCRIPTION:

This file contains data on the shrimp catch reported at ports along the entire Texas coastline. Data is collected from fish houses and shrimpers by the Texas Parks and Wildlife Department and the National Marine Fisheries Service, National Oceanographic and Atmospheric Administration, of the U. S. Department of Commerce. The federal agency creates a magnetic tape containing the data for Texas and makes the tape available to interested Texas entities.

Data on the tape includes the species, size, trawl depth, area fished, and actual fishing time in number of days. A single trip is reported for each voyage. For craft in which portions of their catch are transported to port by other vessels, the trip is assigned to the area and the depth last fished by the craft. The entire landing is pro-rated to the area and depths fished for craft landing their entire catch. The sizes of shrimp are represented by the number of heads-off shrimp per pound.

(Continued next page)

GEOGRAPHIC COVERAGE: Texas Coastline - all  
bays and the Gulf of  
Mexico

FREQUENCY OF  
UPDATE: Yearly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 03010200
PAGE: 3.1.0200.2
DATE: AUGUST, 1977

FILE NAME: GULF COAST SHRIMP CATCH DATA (Continued)

## FILE DESCRIPTION:

current operations of the fleet. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03010300
PAGE:	3.1.0300.1
DATE:	AUGUST, 1977

FILE NAME: TEXAS FISH LANDING DATA

## FILE DESCRIPTION:

This file consists of data on fish landings at ports along the entire Texas coastline. Data is collected monthly from fish houses by the Texas Parks and Wildlife Department. Upon request data on the file includes month and year of collection, district, species, type of fish (fin or shell), pounds caught, and value of the fish caught.

Primary file identifiers are month and year. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Entire Texas  
Coastline

FREQUENCY OF COLLECTION: Monthly

UNITS OF MEASUREMENT: Various

FREQUENCY OF  
UPDATE: Not updated at present

DATA RETRIEVAL  
PUBLICATIONS:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03010400
PAGE:	3.1.0400.1
DATE:	AUGUST, 1977

FILE NAME: MOURNING DOVE HARVEST SURVEY

## FILE DESCRIPTION:

Comprised of reports of hunts (or non-hunting) of mourning doves; used in producing estimates of number of hunters and statewide harvest; fields include county of hunt, number of hours hunted, date hunted, number of doves bagged, year of study, sequence number, and hunter origin data. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: Yearly

FREQUENCY OF COLLECTION: Yearly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03010500
PAGE:	3.1.0500.1
DATE:	AUGUST, 1977

FILE NAME: TEXAS FISH LANDINGS (COMMERCIAL)

## FILE DESCRIPTION:

Contains information necessary for creating monthly audit reports concerning commercial fishing activity in the State of Texas by species, species within district, species within water type, and species within dealer. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03010600
PAGE:	3.1.0600.1
DATE:	AUGUST, 1977

FILE NAME: DEER MOVEMENT FIX FILE

## FILE DESCRIPTION:

This is a file of whitetail deer locations or "fixes" derived by triangulation from bearings taken from towers on the Engeling Wildlife Management Area of deer wearing radio transmitting collars. Attempts were made to collect bearings every 15 minutes through most of the summer months of 1970, 1971, and 1972. Data on the characteristics of the signal received (e.g., "Null Width", "Signal Variance") as well as the weather conditions were recorded. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Engeling WMA

FREQUENCY OF  
UPDATE: None

FREQUENCY OF COLLECTION: Every 15 minutes  
for various months

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03010700
PAGE:	3.T.0700.1
DATE:	AUGUST, 1977

FILE NAME: BIRD BANDING RECOVERY FILE

## FILE DESCRIPTION:

Reports of recoveries of all birds banded or recovered in Texas (all species). Fields include band number, date recovered, how obtained, who reported, present condition, why reported, where recovered, permit number, species code, age, sex, where banded, date banded, and hunting seasons survived. This file is obtained each year from the Office of Migratory Bird Management, Bureau of Sport Fisheries and Wildlife, Laurel, Maryland. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Yearly

FREQUENCY OF COLLECTION: Yearly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	030T0800
PAGE:	3.1.0800.1
DATE:	AUGUST, 1977

FILE NAME: LAKE MERIDIAN TRAP DATA

## FILE DESCRIPTION:

Contains data from tagging experiments using white crappie from Lake Meridian. The study objectives were to estimate the crappie populations, determine the sport fishing catch, and determine the effects of removal of large numbers of crappie on the growth of the remaining population. This data is furnished to The Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Lake Meridian

FREQUENCY OF  
UPDATE: None

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03010900
PAGE:	3.1.0900.1
DATE:	AUGUST, 1977

FILE NAME: DEER-TURKEY HARVEST SURVEY

## FILE DESCRIPTION:

This file contains reply information from a mail questionnaire sent to selected hunting license holders statewide. The questionnaire surveys hunting success for whitetail deer, mule deer, and turkey. One record is present for each kill.

Below is a summation of the parameters stored:

License Type	Regulatory District of Kill
City of Residence	Sociological Region of Kill
County of Residence	Planning Region of Kill
Metropolitan Area of Residence	Date of Kill
Demand Region of Residence	Total Days Hunted for Species
Planning Region of Residence	Total Days Hunted for each Kill
Schedule Region of Residence	
City Size Zone of Residence	
Species	
Sex	
Age	
Buck/Antlerless	
County of Kill	

This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Yearly

FREQUENCY OF COLLECTION: Yearly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03011000
PAGE:	3.T.1000.1
DATE:	AUGUST, 1977

FILE NAME: FISH DISTRIBUTION (STOCKING)

## FILE DESCRIPTION:

Contains information necessary for reporting activity of the fish distribution system as to who receives shipment, size of shipment, originating hatchery. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: Annual

FREQUENCY OF COLLECTION: Annual

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 03011100

PAGE: 3.1.1100.1

DATE: AUGUST, 1977

FILE NAME: COUNTY ESTIMATES FOR 62 CROP AND LIVESTOCK ITEMS

## FILE DESCRIPTION:

This file contains county estimates for Small Grains, Vegetables, Cotton, Field Crops, Poultry, Livestock, Fruit and Nuts, Dairy, and Cash Receipts from The Sale of Agricultural Products. Data is collected through a cooperative program between the Texas Department of Agriculture and the U. S. Department of Agriculture. Primary file identifiers are County and Year. This data is furnished to the Texas Natural Resources Information System through the Texas Department of Agriculture.

GEOGRAPHIC COVERAGE: Statewide, by county

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03011200
PAGE:	3.1.1200.1
DATE:	AUGUST, 1977

FILE NAME: TFS SOUTHERN PINE BEETLE OPERATIONS

## FILE DESCRIPTION:

This file contains information on all southern pine beetle infestations in Texas from the time of their detection until control. The file is part of an information system which provides a continuous flow of current information between some 200 participants and a central data bank. Field reports on new infestations, ground surveys, and infestation controls are submitted daily by many cooperators to the data bank. Weekly summaries on the current status of their operations are sent to each cooperator. Primary file identifiers are Texas Forest Service District, Flight Sector, Spot Number, Grid, Owner Code, and Owner Sub-Unit.

Below is a summation of the parameters stored:

TFS District, Sector

Ground Check Date, Number  
of Trees, and Priority

Spot Number

Control Date, Number of  
Trees, and Type of Control

TFS Grid

County, Abstract No.

(Continued next page)

Owner Name

GEOGRAPHIC COVERAGE: Approximately 200  
Reporters in 24  
Counties - East  
Texas Region

FREQUENCY OF  
UPDATE:

FREQUENCY OF COLLECTION:

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Variable

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 03011200

PAGE: 3.1.1200.2

DATE: AUGUST, 1977

FILE NAME: TFS SOUTHERN PINE BEETLE OPERATIONS (Continued)

## FILE DESCRIPTION:

Detection Date, Number  
of Trees, Priority, Remarks

This data is furnished to the Texas Natural Resources Information System through the Texas Forest Service.

B. PLANT





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03020100
PAGE:	3.2.0100.1
DATE:	AUGUST, 1977

FILE NAME: COUNTY ESTIMATES FOR 62 CROP AND LIVESTOCK ITEMS

## FILE DESCRIPTION:

This file contains county estimates for Small Grains, Vegetables, Cotton, Field Crops, Poultry, Livestock, Fruit and Nuts, Dairy, and Cash Receipts from The Sale of Agricultural Products. Data is collected through a cooperative program between the Texas Department of Agriculture and the U. S. Department of Agriculture. Primary file identifiers are County and Year. This data is furnished to the Texas Natural Resources Information System through the Texas Department of Agriculture.

GEOGRAPHIC COVERAGE: Statewide, by county

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03020200
PAGE:	3.2.0200.1
DATE:	AUGUST, 1977

FILE NAME: TFS WILDFIRE REPORTS

## FILE DESCRIPTION:

This file contains individual reports submitted on each wildfire occurring within the 52 county area administered by the Texas Forest Service. Primary file identifiers are TFS district, county, and date.

Below is a summation of the parameters stored on the file:

Location	Number of crews used
Date	Main cause
Times, started-controlled	Injuries
Acres burned	Law violations
Owner	Equipment Failures

This data is furnished to the Texas Natural Resources Information System through the Texas Forest Service.

GEOGRAPHIC COVERAGE: 52 Counties - East  
Texas Region

FREQUENCY OF  
UPDATE:

FREQUENCY OF COLLECTION:

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Variable

AUTOMATED SYSTEM  
NUMBER:

C. MICRO-ORGANISMS



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03030100
PAGE:	3.3.0100.1
DATE:	AUGUST, 1977

FILE NAME: BACTERIOLOGICAL QUALITY OF INLAND WATERS

## FILE DESCRIPTION:

Coliform and fecal coliform levels at selected points along the various major rivers of the State are given. Waters sampled include lakes, designated swimming areas at State Parks, major tributaries and main stems of the Trinity, Brazos, Colorado, San Antonio, San Marcos, Guadalupe, Lavaca, and Nueces River Basins. This data is furnished to the Texas Natural Resources Information System through the Texas Department of Health Resources.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Quarterly

DATA RETRIEVAL  
PUBLICATIONS: None

UNITS OF MEASUREMENT: Most probable number  
of organisms

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03030200
PAGE:	3.3.0200.1
DATE:	AUGUST, 1977

FILE NAME: COASTAL ZONE BIOLOGICAL INFORMATION

## FILE DESCRIPTION:

Data pertaining to marine organisms of the Texas Gulf Coast are available in this file. Taxonomic parameters are being stored for the Matagorda, San Antonio, Copano-Aransas, Corpus Christi Bay, Sabine Lake and Galveston Bay Systems. The major categories are nekton, plankton, and benthic organisms. The data collection programs are being coordinated by Texas Water Development Board.

Within a given bay system the primary file identifiers are line, site, date, depth, and time. The organisms scientific name and count level of all species found in a sample are recorded, and selected physical characteristics such as size and weight, are recorded for nekton. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Sabine Lake, Galveston, Brazos, Matagorda, San Antonio, Copano-Aransas, Corpus Christi and Laguna Madre bay systems

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Monthly/Bi-monthly

DATA RETRIEVAL                      WD-2510-01  
PUBLICATIONS: Coastal Data System  
Storage Reference Manual and  
Coastal Data System User  
Documentation Volume II

UNITS OF MEASUREMENT: As applicable

AUTOMATED SYSTEM  
NUMBER: WD2500



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03030300
PAGE:	3.3.0300.1
DATE:	AUGUST, 1977

FILE NAME: BACTERIOLOGICAL WATER QUALITY, RIVERS, LAKES, STREAMS

## FILE DESCRIPTION:

Bacteriological study of water by total and fecal measurements for all Texas. This data is furnished to the Texas Natural Resources Information System through the Texas Department of Health Resources.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: 3 times per year

FREQUENCY OF COLLECTION: About 3 times  
per year

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Most probable number  
of organisms

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03030400
PAGE:	3.3.0400.1
DATE:	AUGUST, 1977

FILE NAME: COASTAL WATER DATA

FILE DESCRIPTION:

This Historical file consists of water quality data collected from established sampling points in the various bay systems along the Texas coast. Samples were collected by personnel of the Texas State Department of Health at various intervals ranging from one to six times a year. Each file record contains the following information:

<u>Identification Data</u>	<u>Field Determinations</u>	<u>Laboratory Determinations</u>
Bay	Stage of Tide	Suspended Solids/ppm
Station Number	Sample Collection Depth	Dissolved Solids/ppm
Date of Collection	pH	Chlorides/ppm
Time of Collection	Dissolved Oxygen/ppm	Sulfates/ppm
	Wind Direction and Velocity	B.O.D./ppm
	Air and Water Temperature	Chlorine Demand/ppm
		Total Coliform/MPN/100 ml

This data is furnished to the Texas Natural Resources Information System through the Texas State Department of Health Resources.

GEOGRAPHIC COVERAGE: Coastal Waters of Texas  
 FREQUENCY OF UPDATE: Historical file 1952-1974

FREQUENCY OF COLLECTION: One to Six Times Per Year thru 1974  
 DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: See Above  
 AUTOMATED SYSTEM NUMBER:

**D. MAN'S ACTIVITIES**





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03040100
PAGE:	3.4.0100.1
DATE:	AUGUST, 1977

FILE NAME: TFS WOODLAND MANAGEMENT ACTIVITIES

## FILE DESCRIPTION:

This file contains woodland management activities reported by 24 foresters working in 52 counties of East Texas. Reports include a wide range of activities. Principal activities include landowner assistance in the form of woodland management plans, tree planting, timber sales, forest pest control and forestry information presentations. This data is part of a national system in cooperation with the U. S. Forest Service, USDA.

Primary file identifiers are employee I.D. numbers, TFS district, county and date. This data is furnished to the Texas Natural Resources Information System through the Texas Forest Service.

GEOGRAPHIC COVERAGE: 52 Counties - East  
Texas Region

FREQUENCY OF  
UPDATE:

FREQUENCY OF COLLECTION:

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Variable

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03040200
PAGE:	3.4.0200.1
DATE:	AUGUST, 1977

FILE NAME: TFS WILDFIRE REPORTS

## FILE DESCRIPTION:

This file contains individual reports submitted on each wildfire occurring within the 52 county area administered by the Texas Forest Service. Primary file identifiers are TFS district, county, and date.

Below is a summation of the parameters stored on the file:

Location	Number of crews used
Date	Main cause
Times, started-controlled	Injuries
Acres burned	Law violations
Owner	Equipment Failures

This data is furnished to the Texas Natural Resources Information System through the Texas Forest Service.

GEOGRAPHIC COVERAGE: 52 Counties - East  
Texas Region

FREQUENCY OF  
UPDATE:

FREQUENCY OF COLLECTION:

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Variable

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03040300
PAGE:	3.4.0300.1
DATE:	AUGUST, 1977

FILE NAME: MOURNING DOVE HARVEST SURVEY

## FILE DESCRIPTION:

Comprised of reports of hunts (or non-hunting) of mourning doves; used in producing estimates of number of hunters and statewide harvest; fields include county of hunt, number of hours hunted, date hunted, number of doves bagged, year of study, sequence number, and hunter origin data. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: Yearly

FREQUENCY OF COLLECTION: Yearly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03040400
PAGE:	3.4.0400.1
DATE:	AUGUST, 1977

FILE NAME: TEXAS FISH LANDINGS (COMMERCIAL)

## FILE DESCRIPTION:

Contains information necessary for creating monthly audit reports concerning commercial fishing activity in the State of Texas by species, species within district, species within water type, and species within dealer. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03040500
PAGE:	3.4.0500.1
DATE:	AUGUST, 1977

FILE NAME: DEER-TURKEY HARVEST SURVEY

## FILE DESCRIPTION:

This file contains reply information from a mail questionnaire sent to selected hunting license holders statewide. The questionnaire surveys hunting success for whitetail deer, mule deer, and turkey. One record is present for each kill.

Below is a summation of the parameters stored:

License Type	Regulatory District of Kill
City of Residence	Sociological Region of Kill
County of Residence	Planning Region of Kill
Metropolitan Area of Residence	Date of Kill
Demand Region of Residence	Total Days Hunted for Species
Planning Region of Residence	Total Days Hunted for each Kill
Schedule Region of Residence	
City Size Zone of Residence	
Species	
Sex	
Age	
Buck/Antlerless	
County of Kill	

This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Yearly

FREQUENCY OF COLLECTION: Yearly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 03040600

PAGE: 3.4.0600.1

DATE: AUGUST, 1977

FILE NAME: FISH DISTRIBUTION (STOCKING)

## FILE DESCRIPTION:

Contains information necessary for reporting activity of the fish distribution system as to who receives shipment, size of shipment, originating hatchery. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE:

FREQUENCY OF COLLECTION: Annual

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03040700
PAGE:	3.4.0700.1
DATE:	AUGUST, 1977

FILE NAME: SPECIES CODE NAMES

## FILE DESCRIPTION:

Code Numbers for plants and animals including major species, minor reference numbers and a description. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: United States

FREQUENCY OF  
UPDATE: Never

FREQUENCY OF COLLECTION: Once

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 03040800

PAGE: 3.4.0800.1

DATE: AUGUST, 1977

FILE NAME: GULF COAST SHRIMP CATCH DATA

## FILE DESCRIPTION:

This file contains data on the shrimp catch reported at ports along the entire Texas coastline. Data is collected from fish houses and shrimpers by the Texas Parks and Wildlife Department and the National Marine Fisheries Service, National Oceanographic and Atmospheric Administration, of the U. S. Department of Commerce. The Federal agency creates a magnetic tape available to interested Texas entities.

Data on the tape includes the species, size, trawl depth, area fished, and actual fishing time in number of days. A single trip is reported for each voyage. For craft in which portions of their catch are transported to port by other vessels, the trip is assigned to the area and the depth last fished by the craft. The entire landing is pro-rated to the area and depths fished for craft landing their entire catch. The sizes of shrimp are represented by the number of heads-off shrimp per pound.

This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Texas Coastline-  
all bays and the  
Gulf of Mexico

FREQUENCY OF  
UPDATE: Yearly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03040900
PAGE:	3.4.0900.1
DATE:	AUGUST, 1977

FILE NAME: TEXAS FISH LANDING DATA

## FILE DESCRIPTION:

This file consists of the data on fish landings at ports along the entire Texas coastline. Data is collected monthly from fish houses by the Texas Parks and Wildlife Department. Upon request, data on the file includes month and year of collection, district, species, type of fish (fin or shell), pounds caught, and value of the fish caught.

Primary file identifiers are month and year. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Entire Texas  
Coastline

FREQUENCY OF  
UPDATE: Not updated at present

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03041000
PAGE:	3.4.1000.1
DATE:	AUGUST, 1977

FILE NAME: TFS SOUTHERN PINE BEETLE OPERATIONS

## FILE DESCRIPTION:

This file contains information on all southern pine beetle infestations in Texas from the time of their detection until control. The file is part of an information system which provides a continuous flow of current information between some 200 participants and a central data bank. Field reports on new infestations, ground surveys, and infestation controls are submitted daily by many cooperators to the data bank. Weekly summaries on the current status of their operations are sent to each cooperator. Primary file identifiers are Texas Forest Service District, Flight Sector, Spot Number, Grid, Owner Code, and Owner Sub-Unit.

Below is a summation of the parameters stored:

TFS District, Sector	Ground Check Date, Number of Trees, and Priority
Spot Number	
TFS Grid	Control Date, Number of Trees, and Type of Control
County, Abstract No.	(Continued next page)
Owner Name	

GEOGRAPHIC COVERAGE: Approximately 200 Reporters in 24 Counties - East Texas Region

FREQUENCY OF UPDATE:

FREQUENCY OF COLLECTION:

DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: Variable

AUTOMATED SYSTEM NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03041000
PAGE:	3.4.1000.2
DATE:	AUGUST, 1977

FILE NAME: TFS SOUTHERN PINE BEETLE OPERATIONS (Continued)

## FILE DESCRIPTION:

Detection Date, Number  
of Trees, Priority, Remarks

This data is furnished to the Texas Natural Resources Information System through the Texas Forest Service.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	03041100
PAGE:	3.4.1100.1
DATE:	AUGUST, 1977

FILE NAME: COUNTY PROFILE - FARM PRODUCTS

## FILE DESCRIPTION:

The County Profile - Farm Products file contains descriptive information on all 254 counties in Texas. Over 1050 factors are available for each county in the file. Data is collected by the Texas Industrial Commission. Factors fall into such categories as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers are county and factor.

GEOGRAPHIC COVERAGE: Statewide, all 254 counties

FREQUENCY OF UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some data, every 10 years for some

DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM NUMBER:

#### IV. WATER RESOURCES

A. SURFACE



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04010100
PAGE:	4.1.0100.1
DATE:	AUGUST, 1977

FILE NAME: DAILY USGS STREAMFLOW

## FILE DESCRIPTION:

This file consists of mean daily discharge records, in cubic feet per second, recorded at USGS stations in several states including Texas, Arkansas, Oklahoma, New Mexico and Louisiana. Data for approximately 600 USGS gaging stations for all river basins throughout the State of Texas is included. This file provides streamflow as published by the U. S. Geological Survey. The file is complete for the period of record at each gage, but all gages do not have the same periods of record. It is recommended that station histories published by USGS should be reviewed prior to requesting these data.

Primary file identifiers are USGS gage number and date. This file is updated annually as published data are available. This data is furnished to the Texas Natural Resources Information System by the USGS through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide; approximately 600 stations  
FREQUENCY OF UPDATE: Annually

FREQUENCY OF COLLECTION: Record is collected daily and published annually  
DATA RETRIEVAL PUBLICATIONS: Daily Data Retrieval System User Reference Manual WD-0105-00

UNITS OF MEASUREMENT: Cubic feet per second (CFS)  
AUTOMATED SYSTEM NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04010200

PAGE: 4.1.0200.1

DATE: AUGUST, 1977

FILE NAME: MONTHLY USGS STREAMFLOW

## FILE DESCRIPTION:

This file consists of monthly streamflow, in acre-feet, recorded at USGS stations in several states including Texas, Arkansas, Oklahoma, New Mexico and Louisiana. Data for approximately 600 USGS gaging stations for all river basins throughout the State of Texas are included. This file provides monthly streamflow volume as published by the U. S. Geological Survey. The file is complete for the period of record at each gage, but all gages do not have the same periods of record. It is recommended that station histories published by USGS should be reviewed prior to requesting these data.

Primary file identifiers are USGS gage number and date. This file is updated annually as published data are available. This data is furnished to the Texas Natural Resources Information System by the USGS through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide; approximately  
600 stations (varying  
from year to year)

FREQUENCY OF COLLECTION: Accumulated daily  
flows as in file Number: 04010100 rounded  
using USGS procedures. Daily record is  
collected daily & published annually.

UNITS OF MEASUREMENT: Acre-feet

FREQUENCY OF  
UPDATE: Annually

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

AUTOMATED SYSTEM  
NUMBER: WD1000





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04010300
PAGE:	4.1.0300.1
DATE:	AUGUST, 1977

FILE NAME: DAILY TWDB SEDIMENT LOAD

## FILE DESCRIPTION:

Daily suspended-sediment load data, expressed in tons per day, from a network of about 60 TWDB sampling stations located on rivers and tributary streams at or near USGS streamflow gaging stations are contained in this file. Each sediment-sampling station has the same USGS streamflow station identifying number and name.

Daily samples are collected in 8-ounce narrow-neck bottles at a position approximately one foot below the water surface near midstream. The TWDB uses 62.5 pounds as the average weight of 1 cubic foot of streamflow. The estimated average ultimate density of sediment is 70 pounds per cubic foot. Volume calculations in acre-feet based on this density are also stored in this file. Primary file identifiers are USGS gage number and date. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide: at  
approximately 60  
stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Tons/Day

AUTOMATED SYSTEM  
NUMBER: WDO100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04010400
PAGE:	4.1.0400.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY TWDB SEDIMENT LOAD

## FILE DESCRIPTION:

The monthly suspended-sediment load data is an accumulation of the daily data (available in the Daily TWDB Sediment Load File No. 04010300). The unit of measurement is tons/month. This file is updated on an annual basis. Primary file identifiers are station number and date.

Related agency publications are:

- TWC Bulletin 6108; June 1889 - September 1959
- TWC Bulletin 6410; October 1959 - September 1961
- TWDB Report 45; October 1961 - September 1963
- TWDB Report 106; October 1963 - September 1965
- TWDB Report 184; October 1965 - September 1971

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide; at approximately 60 stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Record accumulated daily from file number : 04010300. Daily record is collected daily and updated annually.

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Tons/month

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04010500
PAGE: 4.1.0500.1
DATE: AUGUST, 1977

FILE NAME: COASTAL WATER DATA

**FILE DESCRIPTION:**

This Historical file consists of water quality data collected from established sampling points in the various bay systems along the Texas coast. Samples were collected by personnel of the Texas State Department of Health at various intervals ranging from one to six times a year. Each file record contains the following information:

<u>Identification Data</u>	<u>Field Determinations</u>	<u>Laboratory Determinations</u>
Bay Station Number Date of Collection Time of Collection	Stage of Tide Sample Collection Depth pH Dissolved Oxygen/ppm Wind Direction and Velocity Air and Water Temperature	Suspended Solids/ppm Dissolved Solids/ppm Chlorides/ppm Sulfates/ppm B.O.D./ppm Chlorine Demand/ppm Total Coliforn/MPN/100 ml

This data is furnished to the Texas Natural Resources Information System through the Texas State Department of Health Resources.

GEOGRAPHIC COVERAGE: Coastal Waters of Texas      FREQUENCY OF UPDATE: Historical file 1952-1974

FREQUENCY OF COLLECTION: One to Six Times Per Year thru 1974      DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: See Above      AUTOMATED SYSTEM NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04010600
PAGE:	4.1.0600.1
DATE:	AUGUST, 1977

FILE NAME: DAILY USGS SURFACE WATER TEMPERATURE

## FILE DESCRIPTION:

This file contains daily surface water temperature measurements recorded at USGS stations in several states including Texas, Arkansas, Oklahoma, New Mexico and Louisiana. Data for approximately 91 Texas stations are included from 1967 - 1971. Temperature is measured in degrees Centigrade. The file is updated annually. Primary identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System by the USGS through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Approximately 91  
stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Degrees centigrade

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04010700

PAGE: 4.1.0700.1

DATE: AUGUST, 1977

FILE NAME: DAILY USGS SURFACE WATER CONDUCTANCE

## FILE DESCRIPTION:

This file contains daily surface water conductance measurements recorded at USGS stations in several states including Texas, Arkansas, Oklahoma, New Mexico and Louisiana. Data for approximately 93 Texas stations are included from 1967 - 1971. Conductance is measured in micromhos at 25<sup>0</sup> C. The file is updated annually. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System by the USGS through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Approximately 93  
stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Micromhos at 25<sup>0</sup>C

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Micromhos

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04010800

PAGE: 4.1.0800.1

DATE: AUGUST, 1977

FILE NAME: COASTAL ZONE HYDROGRAPHICAL INFORMATION

## FILE DESCRIPTION:

This file consists of physical and chemical data collected in Texas bay and estuarine systems under the coordination of the Texas Water Development Board with the Texas Parks and Wildlife Department, the U. S. Geological Survey, Universities, and private entities. Currently, hydrographic data are stored on all Texas estuarine systems. These systems are sampled under various intervals ranging from bi-weekly to quarterly.

Within a given estuarine system the primary file identifiers are line, site, date, depth and time. This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Sabine, Lake Galveston, Brazos, Matagorda, San Antonio, Copano-Aransas, Corpus Christi, and Laguna Madre Bay Systems

FREQUENCY OF COLLECTION: Bi-weekly/Monthly/  
Quarterly

UNITS OF MEASUREMENT: As applicable

FREQUENCY OF  
UPDATE: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Coastal Data System  
Storage Reference Manual  
Coastal Data System User  
Documentation Volume II

AUTOMATED SYSTEM  
NUMBER: WD2500



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04010900
PAGE: 4.1.0900.1
DATE: AUGUST, 1977

FILE NAME: MONTHLY BUREAU OF RECLAMATION RUNOFF

## FILE DESCRIPTION:

Monthly runoff data, in units of 100 acre-feet, are provided in this file. The Bureau of Reclamation, U. S. Department of the Interior, computed runoff volumes for the U. S. Study Commission - Texas, based on recorded volumes, for the natural, 1958, 1975, and 2010 conditions of land treatment and land use. The data have been developed for 209 sub-water-shed areas of the Sabine (Texas), Neches, Trinity, San Jacinto, Brazos, Colorado, Lavaca, Guadalupe, San Antonio, and Nueces River Basins.

It is recommended that reports published by the U. S. Study Commission - Texas or the Bureau of Reclamation should be reviewed prior to requesting these data. This file is updated at approximately 5 year intervals or as need for the data arises.

Primary file identifiers are river basin and sub-watershed. This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Approximately 70%  
of state

FREQUENCY OF  
UPDATE: Approximately 5 years

FREQUENCY OF COLLECTION: This data is  
computed from  
other data

DATA RETRIEVAL  
PUBLICATIONS: Runoff Determination  
by the Bureau of Reclamation  
Procedure

UNITS OF MEASUREMENT: 100 acre-feet

WD-9005-00  
AUTOMATED SYSTEM  
NUMBER: WD9000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04011000
PAGE:	4.1.1000.1
DATE:	AUGUST, 1977

FILE NAME: USGS SURFACE WATER QUALITY DATA

## FILE DESCRIPTION:

This file consists of measurements of surface water quality recorded by the U. S. Geological Survey (USGS) at over 300 stations statewide. Many stations have data recorded since 1967, and new data are added on a quarterly basis.

Normally chemical analyses are performed on daily water samples that represent equal-volume composites for 2 to 30 day periods. Composite periods are selected on the basis of specific conductance of the daily samples and significant changes in the streamflow. Twenty to twenty-five parameters are usually analyzed, although this number may vary considerably from station to station. In addition to chemical analyses, streamflow, water temperature, and conductivity are recorded. Primary file identifiers are station number and date.

This data is furnished to the Texas Natural Resources Information System by the USGS through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, over 300 stations

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Usually monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER: DB0300





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04011100
PAGE:	4.1.1100.1
DATE:	AUGUST, 1977

FILE NAME: STREAM MONITORING NETWORK

## FILE DESCRIPTION:

This file consists of physical, chemical, and biological data collected in Texas stream, reservoir, and estuary systems by Texas Water Quality Board, United States Geological Survey, river authorities, and cities. Each system contains a varying number of permanent and inactive sampling stations identified by a respective station number, verbal description, river basin, latitude-longitude and Texas Water Quality Board district. For each station individual measurement sets are identified by station number, date, time, depth, and source agency (collecting entity). These stations are sampled at monthly, quarterly, or yearly intervals.

This file contains provisional data subject to correction. Any question concerning this file should be directed to the responsible entity.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Quality Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Monthly, quarterly,  
or yearly

DATA RETRIEVAL Statewide Monitoring  
PUBLICATIONS: Network  
(Station Description,  
Map Booklet)

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04011200
PAGE: 4.1.1200.1
DATE: AUGUST, 1977

FILE NAME: ESTUARINE WATER QUALITY DATA

## FILE DESCRIPTION:

This file consists of water quality data collected from established sampling points located in various estuaries along the Texas coast. Data is collected by personnel of the Texas State Department of Health Resources at intervals ranging from one to six times per year. Some of the data is identical to that in the Coastal Water Data file. Each file record contains the following information:

<u>Identification Data</u>	<u>Field Determination</u>	<u>Laboratory Determination</u>
Bay	Stage of Tide	Chlorides/ppm
Station Number	Sample Collection Depth	B.O.D./ppm
Date of Collection	Rainfall (24 Hour & 7 Day)	Suspended Solids/ppm
Time of Collection	Weather Conditions	Total Coliform/MPN/100 ml
	Wind Direction and Velocity	Fecal Coliform/MPN/100 ml
	Air and Water Temperature	
	Dissolved Oxygen/ppm	
	Salinity/ppm	
	Conductance/micromhos	
	pH	

This data is furnished to the Texas Natural Resources Information System through the Texas State Department of Health Resources.

GEOGRAPHIC COVERAGE: Coastal Water of Texas      FREQUENCY OF UPDATE: Quarterly

FREQUENCY OF COLLECTION: One to six times per year

DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: See above

AUTOMATED SYSTEM NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04011300
PAGE:	4.1.1300.1
DATE:	AUGUST, 1977

FILE NAME: DAILY IBWC STREAMFLOW

## FILE DESCRIPTION:

This file consists of mean daily discharge records, in cubic feet per second, at approximately 33 gaging stations in the Rio Grande watershed in Texas. This file provides streamflow as published by the International Boundary and Water Commission. The file is complete for the period of record at each gage, but all gages do not have the same periods of record.

Primary file identifiers are gage number assigned by the U. S. Geological Survey and date. This file is updated annually as published data are available. Data is available in printed form from 1931.

This data is furnished to the Texas Natural Resources Information System by the International Boundary and Water Commission through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Rio Grande and  
tributaries in Texas.  
33 stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Cubic feet per  
second (CFS)

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04011400
PAGE:	4.1.1400.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY IBWC SEDIMENT LOAD

## FILE DESCRIPTION:

The monthly suspended-sediment load data is an accumulation of the daily data. The unit of measurement is tons per month. This file is updated on an annual basis. Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System by the International Boundary and Water Commission through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Rio Grande Basin  
at 13 stations

FREQUENCY OF  
UPDATE: As available in IBWC  
Bulletin published  
annually

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Tons/month

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04011500
PAGE:	4.1.1500.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY IBWC RESERVOIR CONTENT

## FILE DESCRIPTION:

This file consists of end-of-month reservoir contents, in acre-feet, at two reservoirs in Texas. These are the International Amistad Reservoir and International Falcon Reservoir. This file was created from the Daily IBWC Reservoir Contents file by extracting the last measurement each month for each reservoir. The file is complete for the period of record at each reservoir.

Primary file identifiers are station number and date. This data is furnished to the Texas Natural Resources Information System by the International Boundary and Water Commission through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Rio Grande

### FREQUENCY OF

UPDATE: As available in IBWC Water  
Bulletins published annually

FREQUENCY OF COLLECTION: Monthly

### DATA RETRIEVAL

PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Acre-feet

### AUTOMATED SYSTEM

NUMBER: WD-1000

**B. SUBSURFACE**



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04020100
PAGE:	4.2.0100.1
DATE:	AUGUST, 1977

FILE NAME: WATER-LEVEL MEASUREMENTS

## FILE DESCRIPTION:

The Water-Level-Measurement file contains water-level data and other pertinent information for over 11,000 wells which are located throughout the State of Texas.

The period of record and the number of measurements per well varies; however, most wells have five or more measurements which reflect change in water-level conditions for five or more years. Measurements on the majority of these wells are taken annually; however, some wells are equipped with automatic recorders from which a continuous record of water-level changes is collected. An additional group of select wells are measured monthly or bi-monthly in areas of current ground-water studies. Approximately one-third the wells referenced above are not part of the current program and are no longer measured. Many of these discontinued well records contain 10 or more years of record.

Measurements are made in the water-level-observation wells by the TWDB, the USGS, and cooperating Ground-water Conservation Districts. (Continued next page)

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually (some  
more often)

DATA RETRIEVAL  
PUBLICATIONS: Water Well Measurement  
System User's Manual  
WD-0505-04

UNITS OF MEASUREMENT: Feet

AUTOMATED SYSTEM  
NUMBER: WD0500



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04020100
PAGE:	4.2.0100.2
DATE:	AUGUST, 1977

FILE NAME: WATER-LEVEL MEASUREMENTS (Continued)

## FILE DESCRIPTION:

This file contains both descriptive information about the well and water-well-measurement data pertaining to measurements made in the wells.

The file contains the following descriptive information:

NUMERIC COUNTY CODE	LATITUDE	AQUIFER CODE
OLD WELL NUMBER	LONGITUDE	WELL DEPTH
STATE WELL NUMBER	WATERSHED CODE	WELL CLASS
	ELEVATION OF WELL	ALPHA COUNTY CODE
	COMPLETION INTERVAL	

Detailed information appearing on the File includes:

NUMERIC COUNTY CODE	CURRENT MEASUREMENT FROM LAND SURFACE DATUM AND FROM MEASURING POINT
STATE WELL NUMBER	MEASURING AGENCY
CURRENT OBSERVATION DATE (MMDDYY)	MEASURING METHOD
MEASUREMENT COUNT	MEASURING ACCURACY
MEASURED DEPTH	REMARKS
MEASURING POINT	WELL USE

Files are updated as often as measurements are recorded, which is usually annually but may be more often. Well-measurement data, which may date back to 1900 in some cases, is current for nearly all wells. Depths are measured in units of feet to hundredths. Primary file identifiers are county, well number, date, and status of well.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04020200
PAGE:	4.2.0200.1
DATE:	AUGUST, 1977

FILE NAME: GROUND-WATER QUALITY DATA

## FILE DESCRIPTION:

The Ground-Water Quality file contains water-quality data and other pertinent information for approximately 26,000 water wells in the State of Texas.

Approximately 23,000 of these wells include less than three analyses. Data from this file is generally used to obtain an indication of the native ground-water quality of an aquifer or a portion of an aquifer and/or for comparison to recent quality analyses to detect contamination or pollution. Many of the analyses date back to the early 1940's.

A monitoring network of approximately 5,000 wells are sampled on a systematic basis, some on 1-year intervals, some on 3-year intervals and some on 5-year intervals. Data from these and other sampling efforts are added to the master file monthly. The network when completed will include approximately 7,500 wells located throughout the state.

This file contains both descriptive information about the well and water-quality data pertaining to samples taken from the wells. (Continued next page)

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: At pre-selected time intervals for certain wells in select aquifers.

DATA RETRIEVAL  
PUBLICATIONS: Ground Water Quality  
Retrieval System User  
Reference Manual

UNITS OF MEASUREMENT: As applicable

WD-5105-02  
AUTOMATED SYSTEM  
NUMBER: WD5100



TEXAS NATURAL RESOURCES  
INFORMATION SYSTEM

FILE NUMBER:	04020200
PAGE:	4.2.0200.2
DATE:	AUGUST, 1977

FILE NAME: GROUND-WATER QUALITY DATA (Continued)

FILE DESCRIPTION:

Information appearing on the file includes:

County Code (Numeric and Alphabetic)	Class Code	Remarks Code	Date Sampled
State Well Number	Well Use Code	Watershed	Temp. - F
Latitude (Degrees, Minutes, Seconds)	Aquifer Code	County Code	Temp. - C
Longitude (Degrees, Minutes, Seconds)	Well Depth	State Well No.	

The following constituents in milligrams per liter:

Silica	Magnesium	Potassium	Boron	Bicarbonate	Chloride	Nitrate
Calcium	Sodium	Manganese	Carbonate	Sulfate	Fluoride	Iron

and additionally: pH; Total Dissolved Solids; Phenolphthalein Alkalinity as CaCO<sub>3</sub>; Total Hardness as CaCO<sub>3</sub>; Percent (%) Sodium; Sodium Absorption Ration (SAR); Residual Sodium Carbonate (RSC); Specific Conductance (micromhos/CM<sup>3</sup>). Primary file identifiers are county, date, class and aquifer code.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

C. MAN'S ACTIVITIES



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030100
PAGE:	4.3.0100.1
DATE:	AUGUST, 1977

FILE NAME: WATER USE BY HYDROGRAPHIC UNIT

## FILE DESCRIPTION:

This file contains observed or estimated monthly amounts of diverted surface water, return flows from surface water sources, and return flows from groundwater sources in the Sulphur, Cypress, and Sabine River Basins. In addition to the above activities, groundwater pumpage and spring flows in the Guadalupe, San Antonio, Nueces and Lavaca River Basins are included in the file. The amounts of water use and return flows are representative of man's influence on nature, excluding agriculture, and are represented by hydrographic unit in each river basin. Water use and return flow amounts are indicative of the activity in only that portion of a county geographically located in each hydrographic unit.

Primary file identifiers are river basin, county, and date.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Sulphur, Cypress, Sabine, San Antonio, Guadalupe, Nueces, & Lavaca River Basins

FREQUENCY OF  
UPDATE: None

FREQUENCY OF COLLECTION: One-time

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Acre-feet - monthly

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030200
PAGE:	4.3.0200.1
DATE:	AUGUST, 1977

FILE NAME: DAILY USGS RESERVOIR CONTENT

## FILE DESCRIPTION:

This file consists of daily reservoir contents, in acre feet, recorded at USGS stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Kansas and Louisiana. Data for approximately 50 reservoirs in Texas are included. This file provides reservoir content as published by the U. S. Geological Survey. The file is complete for the period of record at each reservoir, but all reservoir data do not have the same periods of record. The period of record is dependent on the date impoundment began. Station histories published by the USGS should be reviewed prior to requesting these data. Primary file identifiers are station number and date. This data is furnished for the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide at about  
50 reservoir gages.

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Record is collected  
daily and published  
annually.

DATA RETRIEVAL  
PUBLICATIONS: Daily Data Retrieval  
System User Reference Manual  
WD-0105-00

UNITS OF MEASUREMENT: Acre-feet

AUTOMATED SYSTEM  
NUMBER: WD0100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030300
PAGE:	4.3.0300.1
DATE:	AUGUST, 1977

FILE NAME: MONTHLY USGS RESERVOIR CONTENT

## FILE DESCRIPTION:

This file consists of end-of-month reservoir contents, recorded at USGS stations in several states including Texas, Arkansas, Oklahoma, New Mexico, Kansas and Louisiana. Data for approximately 50 reservoirs in Texas are included. This file was created from the Daily USGS Reservoir Contents file (04030200) by extracting the last measurement each month for each reservoir. The file is complete for the period of record at each reservoir, but all reservoir data do not have the same periods of record. The period of record is dependent on the date impoundment began. Station histories published by the USGS should be reviewed prior to requesting these data. Primary file identifiers are station number and date.

This data is furnished to the Texas Natural Resources Information System by the USGS through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide at about  
50 reservoir gages.

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS: Monthly Data Retrieval  
System User Reference Manual  
WD-1010-00

UNITS OF MEASUREMENT: Acre-feet

AUTOMATED SYSTEM  
NUMBER: WD1000



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030400
PAGE:	4.3.0400.1
DATE:	AUGUST, 1977

FILE NAME: IRRIGATION INVENTORY

## FILE DESCRIPTION:

This file contains data on irrigated acreage and water use by source of water supply, additional potential irrigated acreage and previously irrigated acreage.

Data base is by county and basin - zone segments within counties. Data maybe retrieved by selected order of county - basin - zone or by basin - zone - county.

Data is from a cooperative inventory conducted by the USDA - Soil Conservation Service, Texas State Soil and Water Conservation Board and the Texas Water Development Board. Data is available for inventory years 1958, 1964, 1969 and 1974. The data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Entire State

FREQUENCY OF  
UPDATE: Every 5 years

FREQUENCY OF COLLECTION: Every 5 years

DATA RETRIEVAL  
PUBLICATIONS: Inventory of Texas  
Irrigation System 1958, 1964,  
1969 User Reference Manual  
WD-2800

UNITS OF MEASUREMENT: Acre-feet

AUTOMATED SYSTEM  
NUMBER: WD2800



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030500
PAGE:	4.3.0500.1
DATE:	AUGUST, 1977

FILE NAME: MUNICIPAL RETURN FLOW

FILE DESCRIPTION:

This file contains data from reports submitted by Texas Water Quality Board District Offices concerning discharged water quality for selected domestic Waste Control Order (WCO) holders in the state. Reports are submitted as they are completed - not necessarily on a regular basis. Due to a lack of manpower, only a portion of all municipalities can be inspected during a given month. However, attempts are made to inspect each discharger at least once per year. Each Master File record contains the results of the six most recent inspections prior to January 1975 each of which is a subset of the following fields:

PERMIT #	PURPOSE OF INSPECTION
PAGE #	FLOW
PERMITTEE NAME	BOD
PLANT NAME	TSS
COUNTY	PH
DISTRICT	FINAL CONDUCTIVITY
BASIN	FINAL BOD
OWNERSHIP	FINAL O-PO
POPULATION-CENSUS	FINAL NH <sub>3</sub> -N
POPULATION-EST. SERVED	FINAL NO <sub>2</sub> -N
POPULATION-EQUIV. BOD	TOTAL SUSP. SOLIDS
SEWER TYPE	FECAL COLIFORM (Continued next page)

GEOGRAPHIC COVERAGE: All municipal WCO holders in state

FREQUENCY OF UPDATE: On demand

FREQUENCY OF COLLECTION: Varies

DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: Vary

AUTOMATED SYSTEM NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04030500

PAGE: 4.3.0500.2

DATE: AUGUST, 1977

FILE NAME: MUNICIPAL RETURN FLOW (Continued)

## FILE DESCRIPTION:

DESIGN FLOW  
DESIGN POPULATION  
TREATMENT FACILITY

VOLATILE SUSP. SOLIDS  
CHLORIDES SUSP. SOLIDS  
COORDINATES  
INSPECTION DATE

This data is furnished to the Texas Natural Resources Information System through the Texas Water Quality Board.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030600
PAGE:	4.3.0600.1
DATE:	AUGUST, 1977

FILE NAME: INDUSTRIAL RETURN FLOW

## FILE DESCRIPTION:

This file contains data from reports submitted by Texas Water Quality Board District Offices concerning discharged water quality for selected industrial Waste Control Order (WCO) holders in the state. Reports are submitted as they are completed - not necessarily on a regular basis. Due to a lack of manpower, only a portion of all industries can be inspected during a given month. However, attempts are made to inspect each discharger at least once per year. Each Master File record contains the results of the six most recent inspections prior to January 1975 each of which is a subset of the following fields:

Permittee Name  
Permit Number  
Page Number  
Plant Name  
County  
District  
Basin  
SIC Code  
Type Permit  
Coordinates

Type Treatment as to:  
Flow Measuring Device  
Toxic Compounds  
Neutralization  
Bio-Oxidation  
Chemical  
Solid Separation  
Containment  
Domestic Sewage  
Deep Well Disposal  
Incineration

GEOGRAPHIC COVERAGE: All industrial WCO holders in state

FREQUENCY OF  
UPDATE: On demand

FREQUENCY OF COLLECTION: Varies

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030600
PAGE:	4.3.0600.2
DATE:	AUGUST, 1977

FILE NAME: INDUSTRIAL RETURN FLOW (Continued)

## FILE DESCRIPTION:

### File Description:

#### Raw Waste as to:

Temperature	BOD
Conductivity	COD
Total Susp. Solids	

#### Final Effluent as to:

Date of Inspection	COD
Flow	DO
Conductivity	Temperature
Total Susp. Solids	Free or Floating Oil
Volatile Susp. Solids	Chlorides
Fixed Susp. Solids	Other specialized parameters
BOD	

This data was furnished to the Texas Natural Resources Information System through the Texas Water Quality Board.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04030700
PAGE: 4.3.0700.1
DATE: AUGUST, 1977

FILE NAME: SELF REPORTING DATA (WATER QUALITY)

## FILE DESCRIPTION:

This file contains data concerning reports submitted between June 1970 and May 1977 to the Texas Water Quality Board (TWQB) by discharge permit holders under (Board Order 69-1219-1). Such reports are normally submitted monthly; however, in some instances they may be sent quarterly or at some other specified interval. Certain non-standard reports submitted by a number of dischargers are not compatible with the master file record structure, and have not been entered in the file. However, the great majority of self-reports are available in the master file.

Records contain either an indication of "no discharge" during a specified quarter, or values of discharge sample measurements. Required parameters vary from discharger to discharger, and for standard reports will be a subset of the following master file fields:

WCO Number	Total Suspended Solids
"Page" or Outfall Number	Volatile Suspended Solids
Discharger Name	Chlorine Residual
	(Continued next page)

GEOGRAPHIC COVERAGE: All WCO holders  
submitting standard  
reports

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Varies with  
discharge quantity  
and parameter

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Vary

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04030700

PAGE: 4.3.0700.2

DATE: AUGUST, 1977

FILE NAME: SELF REPORTING DATA (WATER QUALITY) (Continued)

## FILE DESCRIPTION:

Biochemical Oxygen Demand	Relative Stability
Quarter	Setteable Solids
Year	pH Range
Month	Total Residue
Number Days Discharged	Chemical Oxygen Demand
Number Days Bypassed	Temperature
Flow	

This data is furnished to the Texas Natural Resources Information System through the Texas Water Quality Board.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04030800
PAGE: 4.3.0800.1
DATE: AUGUST, 1977

FILE NAME: WASTE CONTROL ORDER DATA (WCO FILE)

**FILE DESCRIPTION:**

This file contains data selected from Waste Control Orders ("WCO's' or Permits") issued to waste-water dischargers throughout Texas by the Texas Water Quality Board. The WCO is the basic instrument by means of which the Texas Water Quality Board performs its regulatory functions.

The file is updated on the basis of reports (code sheets) prepared and submitted monthly by Permits Section of Hearings and Enforcement Division. Each file record contains basic discharger identification data, described below, plus effluent quality restrictions on certain parameters.

WCO Number	Basin
Page (Outfall) Number	Substream/Basin
Name of Discharger	1st Tributary, Substream/Basin
Plant Name or Outfall	2nd Tributary, Substream/Basin
Address (mailing)	3rd Tributary, Substream/Basin
Type of WCO (i.e., Statutory, Regular, Amended, In- terlocutory)	River Miles up from Coastal Basin
Type of Ownership	River Miles up Substream from Main River
Type of Establishment	River Miles up 1st Tributary
Effective Date	River Miles up 2nd Tributary
	River Miles up 3rd Tributary

(Continued  
next page)

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: As permits are  
issued

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Vary

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030800
PAGE:	4.3.0800.2
DATE:	AUGUST, 1977

FILE NAME: WASTE CONTROL ORDER DATA (WCO FILE) (Continued)

## FILE DESCRIPTION:

WQB District	Special Geographical Area
County	Future Review Date
Zip Code	Special Provisions
Self-Reporting Status	Source of Wastewater

This data is furnished to the Texas Natural Resources Information System through the Texas Water Quality Board.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04030900
PAGE:	4.3.0900.1
DATE:	AUGUST, 1977

FILE NAME: MUNICIPAL AND INDUSTRIAL WATER USE

## FILE DESCRIPTION:

This file consists of municipal and industrial water use in counties and River Basins. The file contains total water use reported annually to the Texas Water Development Board. Reported annual county or basin self-supplied ground water pumpage totals are available beginning in 1955. Beginning in 1971, the file also contains reported annual county or basin totals regardless of source (s) of supply.

Data selections may be obtained annually for counties and for entire River Basins according to the geographic area in which the water was derived or the geographic area in which the water was used.

The following types of water use available for the county and River Basin summaries:

1. Self-supplied ground water
2. Purchased ground water
3. Self-supplied surface water
4. Purchased surface water
5. Saline water

(Continued next page)

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS: Municipal and Industrial  
Water Use System Reference  
Manual  
WD-1605-01

UNITS OF MEASUREMENT: Gallons or Acre-feet

AUTOMATED SYSTEM  
NUMBER: WD1600





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04030900

PAGE: 4.3.0900.2

DATE: AUGUST, 1977

FILE NAME: MUNICIPAL AND INDUSTRIAL WATER USE (Continued)

## FILE DESCRIPTION:

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04031000
PAGE:	4.3.1000.1
DATE:	AUGUST, 1977

FILE NAME: WATER RIGHTS PERMIT MASTER FILE

## FILE DESCRIPTION:

This file is composed of extracts of information from the water rights files. It contains authorized uses and amounts and brief location information. The Primary file identifiers are water right number and type.

This data is furnished to the Texas Natural Resources Information through the Texas Water Rights Commission.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: As needed

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Acre-feet

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04031100

PAGE: 4.3.1100.1

DATE: AUGUST, 1977

FILE NAME: WATER RIGHTS PERMIT ADDRESS FILE

## FILE DESCRIPTION:

The name and address of the owners of all active water rights are contained on this file. Primary file identifiers are water right number and type.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Rights Commission

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: As needed

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04031200
PAGE:	4.3.1200.1
DATE:	AUGUST, 1977

FILE NAME: WATER USE FILE

## FILE DESCRIPTION:

This file contains the reported surface water use for Texas divertors of record. Data are collected from annual water use reports as submitted by the water users. Data users should be advised to use data with caution, as the accuracy of the reported figures varies from quite accurate to completely inaccurate. Texas Water Rights Commission has verified or corrected only a small portion of the data in this water use file. Primary file identifiers are water right number and type.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Rights Commission.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Annually (major)  
As needed (minor)

FREQUENCY OF COLLECTION: Yearly and/or  
monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Acre-feet

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 04031300

PAGE: 4.3.1300.1

DATE: AUGUST, 1977

FILE NAME: CERTIFIED WATER OR WASTEWATER OPERATOR FILE

## FILE DESCRIPTION:

Includes list of certified operators by name (alphabetical) and by social security number and also types and grades of certificates held by them.

This data is furnished to the Texas Natural Resources Information System through the Texas State Department of Health Resources.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Random

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04031500
PAGE:	4.3.1500.1
DATE:	AUGUST, 1977

FILE NAME: DAM INVENTORY

## FILE DESCRIPTION:

This file contains data on dams and reservoirs in Texas. Information about location, volumes, owner, regulating agencies, uses, power capacities, and other information about dams and their reservoirs are included in the file.

This data was furnished to the Texas Natural Resources Information System through the Texas Water Rights Commission.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Periodic

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: feet, CFS, acre-feet  
mega-watts

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04031600
PAGE:	4.3.1600.1
DATE:	AUGUST, 1977

FILE NAME: SEWAGE TREATMENT PLANT INVENTORY

## FILE DESCRIPTION:

Lists hardware components contained in waste water treatment plants for sanitary treatment in Texas. This data is furnished to the Texas Natural Resources Information System through the State Department of Health Resources.

GEOGRAPHIC COVERAGE: All of Texas

FREQUENCY OF  
UPDATE: Various

FREQUENCY OF COLLECTION: Various

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT:

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04031700
PAGE:	4.3.1700.1
DATE:	AUGUST, 1977

FILE NAME: WATER OR WASTEWATER OPERATOR DATA

## FILE DESCRIPTION:

Certified water and waste-water works operator file for all of Texas. This data is furnished to the Texas Natural Resources Information System through the State Department of Health Resources.

GEOGRAPHIC COVERAGE: All of Texas

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Random

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	04031800
PAGE:	4.3.1800.1
DATE:	AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - WATER UTILITIES INFORMATION

## FILE DESCRIPTION:

The Community Profile - Water Utilities Information file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers community factor.

GEOGRAPHIC COVERAGE: Statewide, 533  
communities

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10 years  
for other

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:

## V. GEOLOGIC AND LAND RESOURCES

A. SURFACE



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05010100
PAGE:	5.1.0100.1
DATE:	AUGUST, 1977

FILE NAME: SOIL SUMMARY MASTER FILE

## FILE DESCRIPTION:

This file contains basic soil data by county for all counties in the state of Texas. Source of the data is the Soil Conservation Service of the U. S. Department of Agriculture. All data on the file was compiled in 1966.

Included on the file are the following parameters, by county:

- County
- Land Resource Area
- Soil Group
- Land Use
- Slope Class
- Soil Type
- Erosion
- Land Capacity Unit
- Standard Point Value Acres

Primary file identifier is county.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide, all counties

FREQUENCY OF  
UPDATE: Not updated at present

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS: Soil Summary System  
User Reference Manual  
WD-2305-01

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER: WD2300



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 05010200

PAGE: 5.1.0200.1

DATE: AUGUST, 1977

FILE NAME: CORPUS CHRISTI AREA RESOURCE CAPABILITY UNITS

## FILE DESCRIPTION:

1. Digitized resource capability units.
2. Digitized land use.
3. Weighted means and standard deviations for engineering properties (see attached table) of resource capability units in increments of 5 feet for surface to -50 feet for about 2000 test borings.
4. Water levels, water quality and sediment type for all available well data for Coastal Bend COG.

This data is furnished to the Texas Natural Resources Information System through the Bureau of Economic Geology.

GEOGRAPHIC COVERAGE: Nueces, San Patricio,  
Refugio and Aransas  
Counties

FREQUENCY OF  
UPDATE: Infrequent Additions

FREQUENCY OF COLLECTION: Once/Area

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Same as engineering  
properties UTM Grid  
Location

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05010300
PAGE:	5.1.0300.1
DATE:	AUGUST, 1977

FILE NAME: FRACTURE MAPPING

## FILE DESCRIPTION:

Digitized end points of lineations representative or surgical fracture zones interpreted from 1:24,000 controlled aerial photograph mosaics. Arbitrary x, y 0,0 at SW corner of each of 400 quadrangles.

Photographs purchased from Tobin Aerial Photo Service. Interpretations by Bureau of Economic Geology.

This data is furnished to the Texas Natural Resources Information System through the Bureau of Economic Geology.

GEOGRAPHIC COVERAGE: So. Edwards Plateau

FREQUENCY OF  
UPDATE: None

FREQUENCY OF COLLECTION: Once

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: 1:24,000 Scale

AUTOMATED SYSTEM  
NUMBER: DB0600



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05010400
PAGE:	5.1.0400.1
DATE:	AUGUST, 1977

FILE NAME: OPEN PITS IN TEXAS

## FILE DESCRIPTION:

1. Surface mines, quarries, excavations, burrow pits: location dimensions, commodity and reclamation status
2. 50,000 pits
3. Expect UTM - presently county number and pit number

This data is furnished to the Texas Natural Resources Information System through the Bureau of Economic Geology.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Infrequent Update

FREQUENCY OF COLLECTION: Once

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Acres/Tonnage

AUTOMATED SYSTEM  
NUMBER:

**B. SUBSURFACE**





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05020100
PAGE:	5.2.0100.1
DATE:	AUGUST, 1977

FILE NAME: ANNUAL OIL PRODUCTION

## FILE DESCRIPTION:

This file contains annual oil production figures for fifty-six (56) counties in the High Plains Region of Texas, for the period 1960-1969. Figures are totaled by oil fields within each county. The basic data from which these figures were derived was provided by the Texas Railroad Commission.

This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: High Plains Region  
56 counties

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: Annual

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels/Gallons

AUTOMATED SYSTEM  
NUMBER: WD3100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05020200
PAGE:	5.2.0200.1
DATE:	AUGUST, 1977

FILE NAME: ANNUAL NATURAL GAS PRODUCTION

## FILE DESCRIPTION:

This file contains annual natural gas production figures for fifty-six (56) counties in the High Plains Region of Texas, for the period 1960-1969. Figures are totaled by Oil Field within each county. This basic data from which these figures were derived was provided by the Texas Railroad Commission.

The data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: High Plains Region,  
56 counties

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Millions of cubic feet

AUTOMATED SYSTEM  
NUMBER: WD3100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05020300
PAGE:	5.2.0300.1
DATE:	AUGUST, 1977

FILE NAME: ANNUAL WATER INJECTION IN SECONDARY RECOVERY

## FILE DESCRIPTION:

This file contains annual figures on total amount of water injected in secondary recovery efforts for fifty-six (56) counties in the High Plains Region of Texas, for the period 1960-1969. Figures are totaled by oil field within each county. The basic data from which these figures were derived was provided by the Texas Railroad Commission.

This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: High Plains Region  
56 counties

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels, gallons

AUTOMATED SYSTEM  
NUMBER: WD3100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05020400
PAGE:	5.2.0400.1
DATE:	AUGUST, 1977

FILE NAME: CUMULATIVE OIL AND GAS PRODUCTION TOTALS

## FILE DESCRIPTION:

This file contains cumulative annual totals for oil and gas production and water injected in recovery efforts, for fifty-six (56) counties in the High Plains Region of Texas for the period 1960-1969. Figures are totaled by oil and gas field within each county. The basic data from which these figures were derived was provided by the Texas Railroad Commission.

This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: High Plains Region  
56 counties

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Thousands of barrels,  
MCFM

AUTOMATED SYSTEM  
NUMBER: WD3100



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05020500
PAGE:	5.2.0500.1
DATE:	AUGUST, 1977

FILE NAME: CORELABS SUBSURFACE SALINE WATER SURVEY

## FILE DESCRIPTION:

This file contains information resulting from a survey of the subsurface saline water of Texas conducted by the Texas Water Development Board in cooperation with Core Laboratories of Dallas. The data was originally compiled by oil companies in the form of electric log tests conducted at various oil well sites since 1900. Two types of records are kept on the file. One type of record contains information on the size and location of underground water-bearing formations. The second type of record contains various water quality samples collected within these water-bearing formations. The water quality parameters are collected in order to determine salinity levels of subsurface water. Primary file identifiers are county and well identification number.

This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: Random

DATA RETRIEVAL  
PUBLICATIONS: Report 157 (7 volumes)

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05020600
PAGE:	5.2.0600.1
DATE:	AUGUST, 1977

FILE NAME: OIL PRODUCTION AND ALLOWABLE MASTER

## FILE DESCRIPTION:

A tape file including information relating to Oil Fields, Oil Leases, Oil Multi-Wells, and Oil Wells. Primary information contained pertains to oil production and allowables.

This data is furnished to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Daily

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05020700
PAGE:	5.2.0700.1
DATE:	AUGUST, 1977

FILE NAME: GAS PRODUCTION AND ALLOWABLE MASTER

## FILE DESCRIPTION:

A tape file including information relating to Gas Fields, and Gas Wells. Primary information contained pertains to Gas Production and Allowables.

This data is furnished to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Daily

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Millions of cubic feet

AUTOMATED SYSTEM  
NUMBER:

C. MAN'S ACTIVITIES





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030100
PAGE:	5.3.0100.1
DATE:	AUGUST, 1977

FILE NAME: LAND CLASSIFICATION MASTER FILE

## FILE DESCRIPTION:

Legal description (county, survey, township, block, section, part of section, acres, abstract number and certificate number) of land disposed of by the Permanent Free School Fund by sale, etc. Also, included is the classification placed on the land by competent authority at time of sale such as mineral and grazing (M-G), dry agriculture (DA), mineral and timber (M&T), etc.

This file has been established, but all data has not been verified. This data is furnished to the Texas Natural Resources Information System through the General Land Office.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Annual

FREQUENCY OF COLLECTION: Annual

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030200
PAGE:	5.3.0200.1
DATE:	AUGUST, 1977

FILE NAME: SUBMERGED LEASE DATA FILE

## FILE DESCRIPTION:

This file is maintained as a service to subscribers for an annual fee paid for same. Monthly supplements are published reflecting all file changes and after each School Land Board lease sale a new book is published as updated to time of printing.

The file includes the name(s) of lessees, legal description (county, area, tract number and acres) of each tract under mineral lease, date of lease and the bonus consideration paid. Each tract is coded as to its status producing, unitized, shut-in, etc.

This data is furnished to the Texas Natural Resources Information System through the General Land Office.

GEOGRAPHIC COVERAGE: Bays, rivers, creeks,  
bayous, Gulf of Mexico,  
etc.

FREQUENCY OF  
UPDATE:

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030300
PAGE:	5.3.0300.1
DATE:	AUGUST, 1977

FILE NAME: STATE LAND LEASE MASTER FILE

## FILE DESCRIPTION:

Legal description (county, survey, township, block, section, part of section and acres of uplands; and river, creek, bayou, lake, island, bay or Gulf of Mexico, name, tract number and acres for "submerged" areas), date of lease, primary term of the lease, bonus consideration paid, annual rental, status of lease (shut-in, producing, etc.) and State lease number assigned.

Includes all currently active leases on School Land, University Land and other State agency land throughout Texas.

This file includes basically oil and gas leases, however other minerals are included. This data is furnished to the Texas Natural Resources Information System through the General Land Office.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030400
PAGE:	5.3.0400.1
DATE:	AUGUST, 1977

FILE NAME: PERMANENT FREE SCHOOL FUND LAND MASTER FILE

## FILE DESCRIPTION:

This file contains a legal description (county, survey, block, section, part of section and acres) account holder, address of name and accounting data as to principal balance, interest balance, interest rate, etc. of Permanent Free School Fund lands sold and on which a balance of consideration is due.

This data is furnished to the Texas Natural Resources Information System through the General Land Office.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Weekly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030500
PAGE:	5.3.0500.1
DATE:	AUGUST, 1977

FILE NAME: VETERAN'S LAND MASTER FILE

## FILE DESCRIPTION:

The file contains all accounts with outstanding principal due the Veteran's Land Board on rural lands purchased by the Board and resold to a veteran on a Contract of Sale requiring semiannual payments over a period not to exceed 40 years.

Contents are a brief legal description, name, address, interest rate, birth-date, accounting and billing data.

This data is furnished to the Texas Natural Resources Information System through the General Land Office.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Weekly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030600
PAGE:	5.3.0600.1
DATE:	AUGUST, 1977

FILE NAME: VETERAN'S LAND STATISTICAL FILE

## FILE DESCRIPTION:

A historical file of each tract of land (rural) purchased by the Veteran's Land Board. Land has been purchased statewide (over 45,000 tracts). Data includes county, acres, original cost, interest rate, purchase date, installment amounts, birth date of purchaser, transfer data when account has changed ownership, and brief legal description of land.

This data is furnished to the Texas Natural Resources Information System through the General Land Office

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Weekly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030700
PAGE:	5.3.0700.1
DATE:	AUGUST, 1977

FILE NAME: UNSOLD SCHOOL LAND FILE

## FILE DESCRIPTION:

Legal description (county, survey, township, block, section and acres) of lands dedicated to the Permanent Free School Fund and having fee simple title to same. Total acres covered is just under 900,000.

This data is furnished to the Texas Natural Resources Information System through the General Land Office.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030800
PAGE:	5.3.0800.1
DATE:	AUGUST, 1977

FILE NAME: SECONDARY RECOVERY - MASTER

## FILE DESCRIPTION:

This file contains data relating to the injection of fluids into productive zones since 1968 and contains the permits to allow injection from 1971.

This data is furnished to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels

AUTOMATED SYSTEM  
NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05030900
PAGE:	5.3.0900.1
DATE:	AUGUST, 1977

FILE NAME: SECONDARY RECOVERY - LEASE FILE

## FILE DESCRIPTION:

This file contains lease name, field name, operator and status of all leases involved in a Secondary Recovery Project. This data is furnished to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05031000
PAGE:	5.3.1000.1
DATE:	AUGUST, 1977

FILE NAME: SECONDARY RECOVERY - FLUIDS

## FILE DESCRIPTION:

The Fluid File contains the amount of fluid injected by type of fluid. Also the period when the injection occurred. This data is furnished to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05031100
PAGE:	5.3.1100.1
DATE:	AUGUST, 1977

FILE NAME: SECONDARY RECOVERY - INJECTION

## FILE DESCRIPTION:

This file contains production and injection information relating to one specific type of injection. This data is furnished to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 05031200

PAGE: 5.3.1200.1

DATE: AUGUST, 1977

FILE NAME: SECONDARY RECOVERY - YEAR FILE

## FILE DESCRIPTION:

This file contains the total production and injection by Operator for all projects in the Master File. This data is furnished to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05031300
PAGE:	5.3.1300.1
DATE:	AUGUST, 1977

FILE NAME: LIQUID SPILLAGE

## FILE DESCRIPTION:

A disk file containing information derived from the liquid spillage reports. This data is furnished to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: Texas

FREQUENCY OF  
UPDATE: Weekly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 05031400

PAGE: 5.3.1400.1

DATE: AUGUST, 1977

FILE NAME: ANNUAL WATER INJECTION FOR SECONDARY RECOVERY

## FILE DESCRIPTION:

This file contains annual figures on total amount of water injected in secondary recovery efforts for fifty-six (56) counties in the High Plains Region of Texas, for the period 1960-1969. Figures are totaled by oil field within each county. This file is provided to the Texas Natural Resources Information System through the Texas Railroad Commission.

GEOGRAPHIC COVERAGE: High Plains Region  
56 counties

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Barrels, gallons

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05031500
PAGE:	5.3.1500.1
DATE:	AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - ZONING ORDINANCES

## FILE DESCRIPTION:

The Community Profile - Zoning Ordinances file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers community factor.

GEOGRAPHIC COVERAGE: Statewide, 533  
communities

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10  
years for other

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05031600
PAGE:	5.3.1600.1
DATE:	AUGUST, 1977

FILE NAME: COUNTY PROFILE - AGRICULTURAL LAND USE

## FILE DESCRIPTION:

The County Profile - Agricultural Land Use file contains descriptive information on all 254 counties in Texas. Over 1050 factors are available for each county in the file. Data is collected by the Texas Industrial Commission.

Factors fall into such categories as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers are county and factor.

GEOGRAPHIC COVERAGE: Statewide, all 254 counties

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some data, every 10 years for some

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05031700
PAGE:	5.3.1700.1
DATE:	AUGUST, 1977

FILE NAME: STATE-OWNED PARKLANDS

## FILE DESCRIPTION:

Automated Property System contains a master record for each State Park.

Identification is by a six-position inventory number. Data available on Park lands is as follows:

1. Description of Property (33 position field)
2. Value of property at cost for purchases or estimated value for gifts

This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Monthly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: None

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	05031800
PAGE:	5.3.1800.1
DATE:	AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - WATER UTILITIES INFORMATION

## FILE DESCRIPTION:

The Community Profile - Water Utilities Information file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers community factor.

GEOGRAPHIC COVERAGE: Statewide, 533  
communities

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10  
years for other

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:

## VI. SOCIO-ECONOMIC RESOURCES

A. SOCIAL



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06010100
PAGE:	6.1.0100.1
DATE:	AUGUST, 1977

FILE NAME: 1970 CENSUS OF POPULATION AND HOUSING - FIRST COUNT SUMMARY

## FILE DESCRIPTION:

The First Count Summary tape consists of a complete count of such data as population by age, marital status, race and sex for various sized areas. Housing facilities used by these people, and rent and/on house payments paid by families. This data is available from tape for block groups, enumeration districts, states, counties, minor civil divisions or census county divisions, places and congressional districts.

A complete listing of the information available can be found in the 1970 Census User's Guide, Part II. This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

TNRIS Systems Central is an officially designated Summary Tape Processing Center of the Bureau of the Census.

GEOGRAPHIC COVERAGE: State of Texas,  
various sub-divisions

FREQUENCY OF  
UPDATE: Ten Years

FREQUENCY OF COLLECTION: One-time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER: DB0800



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 06010200

PAGE: 6.1.0200.1

DATE: AUGUST, 1977

FILE NAME: 1970 CENSUS OF POPULATION AND HOUSING - SECOND COUNT SUMMARY

## FILE DESCRIPTION:

The Second Count Summary tape consists of a complete count of data used to prepare tables for the Census of Population, Volume I, Chapter B; Census of Housing, Volume I, Chapter A and the Census Tract Reports. This tape gives very detailed population and housing characteristics for States, urban components of the state, rural components of the state, SMSA'S, counties and other geographical and governmental areas. The tape contains more data items or census tracts and other small areas reported than are found in printed reports.

A detailed description of the information found on this tape can be found in the 1970 Census User's Guide, Part II.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

TNRIS Systems Central is an officially designated Summary Tape Processing Center of the Bureau of the Census.

GEOGRAPHIC COVERAGE: State of Texas,  
various sub-divisions

FREQUENCY OF  
UPDATE: Ten Years

FREQUENCY OF COLLECTION: One-time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER: DB0800



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06010300
PAGE:	6.1.0300.1
DATE:	AUGUST, 1977

FILE NAME: 1970 CENSUS OF POPULATION AND HOUSING - THIRD COUNT SUMMARY

## FILE DESCRIPTION:

The Third Count Summary tape consists of a complete count file used to prepare tables for the Census of Housing, Volume II, Block Statistics; however, much more data is available on the tape than is published. The data includes detailed statistics on population and housing for census blocks.

A detailed description of the information found on this tape can be found in the 1970 Census User's Guide, Part II.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

TNRIS Systems Central is an officially designated Summary Tape Processing Center of the Bureau of the Census.

GEOGRAPHIC COVERAGE: State of Texas,  
various sub-divisions

FREQUENCY OF  
UPDATE: Ten Years

FREQUENCY OF COLLECTION: One-time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER: DB0800



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06010400
PAGE:	6.1.0400.1
DATE:	AUGUST, 1977

FILE NAME: 1970 CENSUS OF POPULATION AND HOUSING - FOURTH COUNT SUMMARY

## FILE DESCRIPTION:

The Fourth Count Summary tape consists of a sample file used to prepare tables for Census of Population, Volume I, Chapter C, and the "Census Tract Reports". This tape provides both complete - count data on population, income, and housing together with sample data on such subjects as country of origin, mother tongue, and state of both. This data is available for states, SMSA's and component areas, counties, minor civil divisions, places and tracts.

A complete list of information available from this tape can be found in the 1970 Census User's Guide, Part II.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

TNRIS Systems Central is an officially designated Summary Tape Processing Center of the Bureau of the Census.

GEOGRAPHIC COVERAGE: State of Texas,  
various sub-divisions

FREQUENCY OF  
UPDATE: Ten Years

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER: DB0800





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06010500
PAGE:	6.1.0500.1
DATE:	AUGUST, 1977

FILE NAME: 1970 CENSUS OF POPULATION AND HOUSING - FIFTH COUNT SUMMARY

## FILE DESCRIPTION:

The Fifth Count Summary tape consists of a sample file aggregated to zip code areas. Information is provided for 3-digit areas nation-wide and 5-digit areas for SMSA's. Information is also provided for states, congressional districts, counties, minor civil divisions, block groups, and enumeration districts. Types of information include population by age, race and sex, types of housing, incomes of families, and other items collected on the 5% and 15% samples.

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

TNRIS Systems Central is an officially designated Summary Tape Processing Center of the Bureau of the Census.

GEOGRAPHIC COVERAGE: State of Texas,  
various sub-divisions

FREQUENCY OF  
UPDATE: Ten Years

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06010600
PAGE:	6.1.0600.1
DATE:	AUGUST, 1977

FILE NAME: OBERS COUNTY POPULATION AND LAND AREA

## FILE DESCRIPTION:

This file contains information on population, size in square miles, and population per square mile for every county and standard metropolitan statistical area in the United States. This information was compiled by the Bureau of Economic Analysis. Each county is identified by numeric codes representing county, state, and economic area, and Standard Metropolitan Statistical Area (if applicable). This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Nationwide, all  
counties and SMSA's

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06010700
PAGE:	6.1.0700.1
DATE:	AUGUST, 1977

FILE NAME: AUTOMATIC TRAFFIC RECORDER VOLUMES

## FILE DESCRIPTION:

This file consists of hourly traffic volumes recorded at 158 locations on the Texas Highway System. The operation is continuous. Some locations have been counted since 1937. The data is automatically recorded on paper tape as counter readings, then it is converted by computer to hourly volumes.

The file identifiers are station number, direction and lane. This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: Texas Highway System

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Hourly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Vehicles/Hour

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06010800
PAGE:	6.1.0800.1
DATE:	AUGUST, 1977

FILE NAME: HIGHWAY SPEED SURVEY

## FILE DESCRIPTION:

The Highway Speed Survey file contains summarized records of vehicles by type and speeds recorded for 30 representative locations on the state highway system. Primary file identifiers are station number and time. This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: Statewide, 30 stations

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Vehicle types by  
speed

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06010900
PAGE:	6.1.0900.1
DATE:	AUGUST, 1977

FILE NAME: URBAN ORIGIN-DESTINATION SURVEY

## FILE DESCRIPTION:

This file contains origin-destination data obtained from a survey of each of the 23 urban areas in the state. These surveys were authorized by the 1962 Federal Highway Act and were conducted from 1962-1970 by the Texas Highway Department in cooperation with the Department of Transportation, Federal Highway Administration. Primary file identifiers are urban area (normally 1-urban area per physical volume) and card type.

Below is a list of parameters stored in the file:

Identifier, Card Type	Sample Expansion Factor
Location	Trip Origin
Sample Location	Trip Destination
Length of Residence	Trip Time
Auto Ownership	Trip Purpose
Licensed Drivers	Land Use at Origin
Trips Made	Land Use at Destination

This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: Statewide; 23 Urban Areas

FREQUENCY OF  
UPDATE: Reviewed every 5 years;  
updated as needed

FREQUENCY OF COLLECTION: One time only

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06011000
PAGE:	6.1.1000.1
DATE:	AUGUST, 1977

FILE NAME: HIGHWAY TRAFFIC LOG

## FILE DESCRIPTION:

This file contains annual daily traffic for the state maintained Highway Network, (current year and past years) and design year data. The Annual Average Daily Traffic is updated on an annual basis, new routes are added to this file on a monthly basis. New design data are calculated once each year. This file is part of a coordinated data system. The common data base reference includes District, County, Control, Section and Beginning Milepoint. Below is a summary of parameters stored in the file:

Location	Percent Trucks
Length of Segment	Directional Distribution
Current Annual Average Daily Traffic	Wheel Load Data
Historical Annual Average Daily Traffic	Design Hour Factor
Design Year	Functional Classification
Estimated Design Year AADT	

This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: State Highway Network      FREQUENCY OF UPDATE: Annual Traffic Update

FREQUENCY OF COLLECTION: Daily      DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: Various      AUTOMATED SYSTEM NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06011100
PAGE:	6.1.1100.1
DATE:	AUGUST, 1977

FILE NAME: BOAT REGISTRATION MASTER

## FILE DESCRIPTION:

The Boat Registration Master file contains various information concerning physical description and ownership of all boats in the State of Texas which meet or exceed the legal requirements for registration. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: State of Texas

FREQUENCY OF  
UPDATE: Daily

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06011200
PAGE:	6.1.1200.1
DATE:	AUGUST, 1977

FILE NAME: PUBLIC HUNTS - DRAWN MASTER

## FILE DESCRIPTION:

This file contains the Social Security Numbers (etc.) of successful (drawn) applicants for the public hunts held on certain Wildlife Management Areas. Drawn Master Files are created for deer, quail, turkey, javelina, and bow hunts. This file is used to check current gear applications for being "drawn last year" (error condition), since applicants cannot legally be drawn two years in succession except under certain conditions.

Fields include current date, hunt area, Social Security Number and age of the applicant, and Social Security Number of person submitting the application card. This data is furnished to the Texas Natural Resources Information System through the Texas Parks and Wildlife Department.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Yearly

FREQUENCY OF COLLECTION: Yearly

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06011300
PAGE:	6.1.13000.1
DATE:	AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - POPULATION AND EDUCATION

## FILE DESCRIPTION:

The Community Profile - Population and Education file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers community factor.

GEOGRAPHIC COVERAGE: Statewide, 533  
communities

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10  
years for other

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 06011400
PAGE: 6.1.1400.1
DATE: AUGUST, 1977

FILE NAME: COUNTY PROFILE - POPULATION

## FILE DESCRIPTION:

The County Profile - Population file contains descriptive information on all 254 counties in Texas. Over 1050 factors are available for each county in the file. Data is collected by the Texas Industrial Commission. Factors fall into such categories as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers are county and factor.

GEOGRAPHIC COVERAGE: Statewide, all 254 counties

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some data, every 10 years for some

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:

B. ECONOMIC



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06020100
PAGE:	6.2.0100.1
DATE:	AUGUST, 1977

FILE NAME: COUNTY AND SMSA EARNINGS AND INCOME

FILE DESCRIPTION:

This file consists of earnings and income data recorded for the state of Texas, all 254 counties and 23 Standard Metropolitan Statistical Areas (SMSA). Data is available for the years 1929, 1940, 1950, 1959, and 1965 - 1971. This file, along with annual updates, is supplied by the Bureau of Economic Analysis, formerly the Office of Business Economics. Primary file identifiers are county, SMSA and year.

Data is available for the following categories:

- |                                    |                                |
|------------------------------------|--------------------------------|
| Total Personal Income              | Government Earnings            |
| Total Wage and Salary Disbursement | Total Federal                  |
| Other Labor Income                 | Federal Civilian               |
| Proprietors Income                 | Military                       |
| Farm Proprietors Income            | State and Local                |
| Nonfarm Proprietors Income         | Private Non-Farm Earnings      |
| Property Income                    | Manufacturing                  |
| Transfer Payments                  | Mining                         |
| Personal Contributions             | Contract Construction          |
| Total Earnings                     | Transportation, Communication, |
| Farm Earnings                      | and Public Utilities           |
| Total Nonfarm Earnings             | Wholesale and Retail Trade     |
|                                    | Finance, Insurance, and Real   |
|                                    | Estate (Please see next page)  |

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS: County Economic Data  
System: Personal Income  
and Earnings

UNITS OF MEASUREMENT: Various

WD-2705-01  
AUTOMATED SYSTEM  
NUMBER: WD2700



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 06020100
PAGE: 6.2.0100.2
DATE: AUGUST, 1977

FILE NAME: COUNTY AND SMSA EARNINGS AND INCOME (Continued)

## FILE DESCRIPTION:

Private Non-Farm Earnings  
Services  
Others

Under all the above categories, data is listed in the following formats:

Thousands of Dollars  
Percent Change from Previous Year  
Percent of U. S.

Percent of Total Personal Income

Percent of Total Earnings  
Percent of Nonfarm Earnings  
Location Quotient for Total  
Earnings  
Location Quotient for Nonfarm  
Earnings

This data is furnished to the Texas Natural Resources Information System through the Texas Water Development Board.



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06020200
PAGE:	6.2.0200.1
DATE:	AUGUST, 1977

FILE NAME: DUN AND BRADSTREET

## FILE DESCRIPTION:

This file contains an extensive amount of descriptive information compiled on all Texas business firms rated by Dun and Bradstreet. Information on the file includes such things as name and address of the firm, telephone number, line of business, principal officer, year started, credit rating, and various indicators of the size of the business such as total sales and number of employees. Primary file identifiers are county, city, number of employees, and SIC.

This data is provided to the Texas Natural Resources Information System through the Texas Industrial Commission, Texas Water Development Board, Texas Air Control Board, Governor's Office and Texas Rehabilitation Commission.

GEOGRAPHIC COVERAGE: All businesses in Texas  
rated by Dun & Bradstreet

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually

UNITS OF MEASUREMENT: Various

DATA RETRIEVAL  
PUBLICATIONS: Dun and Bradstreet  
Sales and Employment Reporting  
System  
WD-2600-00  
AUTOMATED SYSTEM  
NUMBER: WD2600



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06020300
PAGE:	6.2.0300.1
DATE:	AUGUST, 1977

FILE NAME: OBERS WATER RESOURCES REGIONS

## FILE DESCRIPTION:

This file contains historical data on and projections of economic activity for the United States, its 20 water resources regions, and its 205 sub-areas by selected intervals from 1950 to 2020. Included are data on population, personal income, total employment, earnings by 28 industry groups, indexes of production for 21 commodity producing industries, the value of crop and livestock production, and the amount of roundwood production. This data represents a major output of a program of economic measurement, analysis, and projection conducted by the Bureau of Economic Analysis, U. S. Department of Commerce and the Economic Research Service, U. S. Department of Agriculture with assistance from the Forest Service. The work has been pursued under a cooperative agreement with the Water Resources Council. Primary file identifiers are water resources region and date.

This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Nationwide by Water  
Resources Region

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS: OBERS Projections  
Vols. 1,3, & 4

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 06020400

PAGE: 6.2.0400.1

DATE: AUGUST, 1977

FILE NAME: OBERS ECONOMIC AREAS

## FILE DESCRIPTION:

This file contains historical data on and projections of economic activity for the United States and its 173 functional economic areas by selected intervals from 1950 to 2020. Included are data on population, personal income, employment earnings of persons and output, with the last three items broken down into 37 industry groups. This data represents a major output of a program of economic measurement, analysis, and projection conducted by the Bureau of Economic Analysis (BEA), U. S. Department of Commerce and the Economic Research Service (ERS), U. S. Department of Agriculture with assistance from the Forest Service. The work has been pursued under a cooperative agreement with the Water Resources Council. Primary file identifiers are economic area and date.

This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Nationwide by BEA  
Economic Area

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS: OBERS Projections  
Vols. 1 & 2

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06020500
PAGE:	6.2.0500.1
DATE:	AUGUST, 1977

FILE NAME: OBERS COUNTY POPULATION AND LAND AREA

## FILE DESCRIPTION:

This file contains information on population, size in square miles, and population per square mile for every county and standard metropolitan statistical area in the United States. This information was compiled by the Bureau of Economic Analysis. Each county is identified by numeric codes representing county, state, and economic area, and Standard Metropolitan Statistical Area (if applicable).

This data was furnished to the Texas Natural Resources Information System through the Texas Water Development Board.

GEOGRAPHIC COVERAGE: Nationwide, all  
counties and SMSA's

FREQUENCY OF  
UPDATE: Not updated

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06020600
PAGE:	6.2.0600.1
DATE:	AUGUST, 1977

FILE NAME: HIGHWAY BRIDGE LOG

## FILE DESCRIPTION:

This file is composed of descriptive records of each bridge on the state highway system. The records are coded from bridge construction plans and project cost folders.

This file is part of a coordinated data system. The common data base reference includes District, County, Control, Section, and Milepoint. To identify an individual record Job Number, Bridge Number and Card Number must be included in the key. This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: State Highway System

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 06020700

PAGE: 6.2.0700.1

DATE: AUGUST, 1977

FILE NAME: STRUCTURE INVENTORY AND APPRAISAL FILE

## FILE DESCRIPTION:

This file contains descriptive records including appraisal, condition, and proposed improvement data of bridges on the state highway system. The data comes from Bridge Construction plans and Field Inspections. Field appraisals are made on even numbered years. Individual records can be identified by County, Control, Section and Structure Number.

This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: State Highway System

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06020800
PAGE:	6.2.0800.1
DATE:	AUGUST, 1977

FILE NAME: ROAD LIFE DATA

## FILE DESCRIPTION:

This file consists of records describing kind of work, cross sections, cost, and other information, of all work completed on the state highway system. The records are coded from roadway construction plans, and project cost folders.

To identify an individual record a key of District, County, Control, Section, Job Number, and Card Number must be used. This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: State Highway System

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06020900
PAGE:	6.2.0900.1
DATE:	AUGUST, 1977

FILE NAME: ROADWAY CHARACTERISTICS, STATE HIGHWAY SYSTEM

## FILE DESCRIPTION:

This file contains roadway characteristics such as surface width, roadway width, surface type, number of lanes, mileage to 1/1000 mile accuracy, etc., for the entire state maintained highway network.

Some data items are in code form, therefore, the coding index would be necessary for some processing applications. This file is part of a coordinated data system. The reference key to the common data base includes District, County, Control, Section and Beginning Milepoint.

This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: State Highway System

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 06021000

PAGE: 6.2.1000.1

DATE: AUGUST, 1977

FILE NAME: ROADWAY CHARACTERISTICS, COUNTY SYSTEM

## FILE DESCRIPTION:

This file contains roadway information about the county road system such as surface type, surface width, roadbed width, base type and mileage to 1/100 mile accuracy.

This file is updated on a monthly basis, however, a complete field inventory is done on about a three to five year cycle.

Primary file identifiers are county, road number, and beginning milepoint. This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: County Road System  
(Entire State)

FREQUENCY OF  
UPDATE: Monthly

FREQUENCY OF COLLECTION: Daily

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06021100
PAGE:	6.2.1100.1
DATE:	AUGUST, 1977

FILE NAME: RAIL-HIGHWAY GRADE CROSSINGS

## FILE DESCRIPTION:

This file contains information about railroad-highway grade crossings.

Data is collected by field inventory and reports of changes from railroad companies and highway district offices.

Primary field identifiers are District, County, Control, Section, Milepoint and Crossing Number.

Below is a summary of the parameters stored in the file.

Location	Crossing Material
Railroad Name	Protection Type
Railroad Milepoint	Number Tracks
Highway System	Number Trains and Speed
Highway Number	Priority Index

This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: State Highway System

FREQUENCY OF  
UPDATE: Quarterly

FREQUENCY OF COLLECTION: Continuous Update

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06021120
PAGE:	6.2.1120.1
DATE:	AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - BUSINESS STATISTICS

## FILE DESCRIPTION:

The Community Profile - Business Statistics file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifier

GEOGRAPHIC COVERAGE: Statewide, 533 communities

FREQUENCY OF UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some data, every 10 years for other

DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 06021130

PAGE: 6.2.1130.1

DATE: AUGUST, 1977

FILE NAME: COUNTY PROFILE - PERSONAL INCOME AND EARNINGS

## FILE DESCRIPTION:

The County Profile - Personal Income and Earnings file contains descriptive information on all 254 counties in Texas. Over 1050 factors are available for each county in the file. Data is collected by the Texas Industrial Commission.

Factors fall into such categories as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers are county and factor.

GEOGRAPHIC COVERAGE: Statewide, all 254  
counties

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10 years  
for some

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:

C. COMMERCE



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06030100
PAGE:	6.3.0100.1
DATE:	AUGUST, 1977

FILE NAME: TRUCK WEIGHT DATA

## FILE DESCRIPTION:

This file consists of truck weights, axle spacings, body type, license, fuel type, and commodity carried by vehicle type gathered at several locations on the state highway system.

File identifier is 'Station Identification'. This data is furnished to the Texas Natural Resources Information System through the State Department of Highways and Public Transportation.

GEOGRAPHIC COVERAGE: Texas Highway System

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06030200
PAGE:	6.3.0200.1
DATE:	AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - BUSINESS STATISTICS

## FILE DESCRIPTION:

The Community Profile - Business Statistics file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifier is community factor.

GEOGRAPHIC COVERAGE: Statewide, 533  
communities

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10  
years for other

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06030300
PAGE:	6.3.0300.1
DATE:	AUGUST, 1977

FILE NAME: COUNTY PROFILE - BUSINESS STATISTICS

## FILE DESCRIPTION:

The County Profile - Business Statistics file contains descriptive information on all 254 counties in Texas. Over 1050 factors are available for each county in the file. Data is collected by the Texas Industrial Commission. Factors fall into such categories as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers are county and factor.

GEOGRAPHIC COVERAGE: Statewide, all 254 counties

FREQUENCY OF UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some data, every 10 years for some

DATA RETRIEVAL PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM NUMBER:

D. GOVERNMENT



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06040100
PAGE:	6.4.0100.1
DATE:	AUGUST, 1977

FILE NAME: STATE WATER DISTRICT MASTER

## FILE DESCRIPTION:

Selected information concerning water districts is contained on this file. Data includes names and addresses, bond issues, area, latest audit date and information required by Section 50.302, Texas Water Code. The primary identifier is an alpha code. This data is furnished to the Texas Natural Resources Information System through the Texas Water Rights Commission.

GEOGRAPHIC COVERAGE: Statewide

FREQUENCY OF  
UPDATE: As needed

FREQUENCY OF COLLECTION: One time

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Dollars, acres  
and percent

AUTOMATED SYSTEM  
NUMBER:



# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER: 06040200

PAGE: 6.4.0200.1

DATE: AUGUST, 1977

FILE NAME: COMMUNITY PROFILE - CITY GOVERNMENT INFORMATION

## FILE DESCRIPTION:

The Community Profile - City Government Information file contains descriptive information on 533 cities, towns, and communities across the State. Over 1160 factors are available for each community in the file, except where the community has not released the data. Data is collected by the Texas Industrial Commission on all communities in Texas that agree to release the data to the TIC, so any size community may be found on the file. Factors fall into categories such as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifier is community factor.

GEOGRAPHIC COVERAGE: Statewide, 533  
communities

FREQUENCY OF  
UPDATE: Annually

FREQUENCY OF COLLECTION: Annually for some  
data, every 10  
years for other

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:





# TEXAS NATURAL RESOURCES INFORMATION SYSTEM

FILE NUMBER:	06040300
PAGE:	6.4.0300.1
DATE:	AUGUST, 1977

FILE NAME: COUNTY PROFILE - COUNTY GOVERNMENT INFORMATION

## FILE DESCRIPTION:

The County Profile - County Government Information file contains descriptive information on all 254 counties in Texas. Over 1050 factors are available for each county in the file. Data is collected by the Texas Industrial Commission. Factors fall into such categories as:

- Geographic Location
- Climatological Data
- Population Data
- Income Data
- Employment Data
- Transportation Facilities
- Local Government
- Schools
- Housing
- Utilities
- Medical Services

Data on these and many more categories are available. Primary file identifiers are county and factor.

GEOGRAPHIC COVERAGE: Statewide, all 254  
counties

FREQUENCY OF  
UPDATE:

FREQUENCY OF COLLECTION: Annually for some  
data, every 10 years  
for some

DATA RETRIEVAL  
PUBLICATIONS:

UNITS OF MEASUREMENT: Various

AUTOMATED SYSTEM  
NUMBER:

APPENDIX A  
SUMMARY OF TNRIS FILES AND  
RELATED CAPABILITIES

APPENDIX A

SUMMARY OF TNRIS FILES AND RELATED CAPABILITIES

FILE NAME	FILE NUMBER	AVAILABILITY REPORT	PRINTED DATA REPORT	STATISTICAL ANALYSIS	GRAPHICAL OUTPUT	MAGNETIC TAPE/DISC	PUNCHED CARDS	DATA BANK MONITOR	COPY OF FILE ONLY	PHOTOGRAPHIC PRODUCTS	DIGITAL IMAGERY DATA	PERIOD OF RECORD
I. BASE DATA												
Digitized Water Well Locations	01010100				X							1973-Present
Harvard Digitized County Boundaries	01010200				X							1973
EROS Data Center - Aerial Mapping Photography	01010250	X								X		1950-Present
EROS Data Center - Landsat Standard Products	01010300	X								X	X	Continuous
EROS - NASA Aircraft Photography	01010350	X								X		1960-Present
EROS - Manned Spacecraft Photography	01010400	X								X	X	1965-1974
Agricultural Stabilization and Conservation Service Aerial Photography	01010450	X								X		Continuous
Geographic Information System County Boundaries	01010500				X							N/A
Bureau of the Census/DIME County Boundaries	01010600				X	X	X					Historic
10-Minute Grid Coordinate Table	01010625					X						1974
Community Profile - Geographic Location	01010650		X									1950-1976
County Profile - Geographic Location	01010655		X									1950-1976
State-Water District Master	01010675		X			X						1950-Current
State and Federal Owned Lands	01010700				X							One time compilation 1975
Defense Intelligence Agency (DIA) Aerial Photography	01010800									X		1940-Present
National Cartographic Information Center (NCIC) Cartographic Data and Imagery	01010900									X		Continuous

A-1

APPENDIX A

SUMMARY OF TNRS FILES AND RELATED CAPABILITIES

FILE NAME	FILE NUMBER	AVAILABILITY REPORT	PRINTED DATA REPORT	STATISTICAL ANALYSIS	GRAPHICAL OUTPUT	MAGNETIC TAPE/DISC	PUNCHED CARDS	DATA BANK MONITOR	COPY OF FILE ONLY	PHOTOGRAPHIC PRODUCTS	DIGITAL IMAGERY DATA	PERIOD OF RECORD
II. METEOROLOGICAL RESOURCES												
A. Climatological												
Daily NWS Precipitation	02010100	X	X	X		X	X	X				1900-1975
Daily TWDB Precipitation	02010200	X	X	X		X	X					1900-1974
Monthly NWS Precipitation	02010300	X	X	X	X	X	X	X				1900-1976
Monthly TWDB Precipitation	02010400	X	X	X	X	X	X					1900-1974
Daily NWS Minimum Temperature	02010500	X	X			X	X	X				1900-1976
Daily TWDB Minimum Temperature	02010600	X	X			X	X					1900-1974
Monthly NWS Minimum Temperature	02010650	X	X			X	X					1900-1976
Monthly TWDB Minimum Temperature	02010700	X	X			X	X					1900-1974
Daily NWS Maximum Temperature	02010800	X	X			X	X	X				1900-1976
Daily TWDB Maximum Temperature	02010900	X	X			X	X					1900-1974
Monthly NWS Maximum Temperature	02010950	X	X			X	X					1900-1976
Monthly TWDB Maximum Temperature	02011000	X	X			X	X					1900-1974
Daily NWS Wind Movement	02011100	X	X	X		X	X	X				1900-1976
Daily TWDB Wind Movement	02011200	X	X	X		X	X					1900-1974
Monthly NWS Wind Movement	02011250	X	X			X	X					1900-1976
Monthly TWDB Wind Movement	02011300	X	X			X	X					1900-1974

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Daily NWS Pan Evaporation	02011400	X	X	X		X	X	X				1900-1976
Daily TWDB 2-Ft. Pan Evaporation	02011500	X	X	X		X	X					1900-1974
Daily TWDB 4-Ft. Pan Evaporation	02011600	X	X	X		X	X					1900-1974
Daily TWDB 6-Ft. Pan Evaporation	02011700	X	X	X		X	X					1900-1974
Monthly NWS Pan Evaporation	02011750	X	X			X	X					1900-1976
Monthly TWDB 2-Ft. Pan Evaporation	02011800	X	X			X	X					1900-1974
Monthly TWDB 4-Ft. Pan Evaporation	02011900	X	X			X	X					1900-1974
Monthly TWDB 6-Ft. Pan Evaporation	02012000	X	X			X	X					1900-1974
NWS Daily Climatological Master File	02012100							X				1900-1976
TWDB Daily Climatological Master File	02012200		X									1900-1974
Monthly Climatic Index	02012300		X			X	X					1903-1972
Hourly Coastal Climatological File	02012400	X						X				1968-1975
NWS Hourly Precipitation	02012500	X	X			X						1900-1976
NWS Hourly Climatological File	02012600							X				1900-1976
Gross Lake Surface Evaporation - TWDB Report 64	02012700		X									1940-1974
Gross Lake Surface Evaporation - TWDB Report 64	02012800		X									1940-1974
Daily TWDB Relative Humidity	02012900	X	X	X		X	X					1900-1974
Monthly TWDB Relative Humidity	02013000	X	X			X	X					1900-1974

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Daily IBWC Precipitation	02013100	X	X			X	X					1900-1974
Average NWS Effective Precipitation - 1° Quad.	02013200		X			X	X					1940-Present
TFS Fire Weather Reports	02013300		X			X						1973-Present
Community Profile - Climatological Data	02013600		X									1950-1976
County Profile - Climatological Data	02013700		X									1950-1976
B. Air Quality												
Transportation Related Air Quality Data	02020100					X						Current
Average Particulate and Gaseous Pollutants #1	02020200		X			X						1957-1977
Average Particulate and Gaseous Pollutants #2	02020300		X			X						1957-1977
Continuous Air Pollution Monitoring Network	02020400		X			X						1972-1977
C. Man's Activities												
Compliance Division Mailing List	02030100											Discontinued
Office of Executive Director Mailing List	02030200											Discontinued
Technical Support/Sampling Division Mailing List	02030300		X			X						Current
1971-1972 Summary of Emission Sources	02030400		X			X						1971-1972

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Air Pollution Questionnaires Mailing List	02030500											Discontinued
Compliance With Air Pollution Laws Data	02030600											Discontinued
Source Surveillance Investigator's Report	02030700		X			X						1976-1977
III. BIOLOGICAL RESOURCES												
A. Animal												
Coastal Zone Biological Information	03010100		X					X				1971-1974
Gulf Coast Shrimp Catch Data	03010200								X			1956-1974
Texas Fish Landing Data	03010300								X			1966-1973
Mourning Dove Harvest Survey	03010400					X						1970-1972 1974-1975
Texas Fish Landing (Commercial)	03010500					X						1966-1976
Deer Movement Fix File	03010600					X						1970-1972
Bird Banding Recovery File	03010700					X						1958-1974
Lake Meridian Trap Data	03010800					X						1968-1969
Deer - Turkey Harvest Survey	03010900					X						1972-1977
Fish Distribution (Stocking)	03011000					X						1966-1976
County Estimates For 62 Crop and Livestock	03011100		X			X						1968-1975

Items

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TFS Southern Pine Beetle Operations	03011200		X			X						1971-Present
B. Plant												
County Estimates for 62 Crop and Livestock Items	03020100		X			X						1968-1975
TFS Wildfire Reports	03020200		X			X						1973-Present
C. Micro-Organisms												
Bacteriological Quality of Inland Waters	03030100		X									1967-Present
Coastal Zone Biological Information	03030200		X					X				1971-1974
Bacterial Water Quality, Rivers, Lakes, Streams	03030300		X			X						1967-1976
Coastal Water Data	03030400		X				X					1963-1975
D. Man's Activities												
TFS Woodland Management Activities	03040100		X			X						1972-Present
TFS Wildfire Reports	03040200		X			X						1973-Present
Mourning Dove Harvest Survey	03040300					X						1970-1972 1974-1975



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Texas Fish Landings (Commercial)	03040400					X					1966-1976
Deer - Turkey Harvest Survey	03040500					X					1972-1977
Fish Distribution (Stocking)	03040600					X					1966-1976
Species Code Names	03040700					X					1974
Gulf Coast Shrimp Catch Data	03040800						X				1956-1974
Texas Fish Landing Data	03040900						X				1966-1973
TFS Southern Pine Beetle Operations	03041000		X			X					1971-Present
County Profile - Farm Products	03041100		X								1950-1976
IV. WATER RESOURCES											
A. Surface											
Daily USGS Streamflow	04010100	X	X	X	X	X	X	X			1900-1975
Monthly USGS Streamflow	04010200	X	X			X	X	X			1900-1975
Daily TWDB Sediment Load	04010300	X	X			X	X	X			1900-1974
Monthly TWDB Sediment Load	04010400	X	X			X	X				1900-1974
Coastal Water Data	04010500		X				X				1963-1975
Daily USGS Surface Water Temperature	04010600	X	X			X	X				1900-1975

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Daily USGS Surface Water Conductance	04010700	X	X			X	X					1900-1975
Coastal Zone Hydrographical Information	04010800	X	X	X	X		X	X				1967-1976
Monthly Bureau of Reclamation Runoff	04010900											1941-1968
USGS Surface Water Quality Data	04011000		X									1900-1975
Stream Monitoring Network	04011100		X	X	X	X						1968-Current
Estuarine Water Quality Data	04011200		X				X					Current
Daily IBWC Streamflow	04011300	X	X			X	X					1889-1974
Monthly IBWC Sediment Load	04011400	X	X			X	X					1889-1974
Monthly IBWC Reservoir Content	04011500	X	X			X	X					1953-1974
B. Subsurface												
Water-Level Measurements	04020100		X	X	X	X		X				1900-1976
Ground-Water Quality	04020200	X	X	X	X			X				1900-1976
C. Man's Activities												
Water Use By Hydrographic Unit	04030100		X									1901-1970
Daily USGS Reservoir Content	04030200	X	X			X	X	X				1900-1975
Monthly USGS Reservoir Content	04030300	X	X			X	X					1900-1975

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SUMMARY OF TNRIS FILES AND RELATED CAPABILITIES

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FILE NAME	FILE NUMBER	AVAILABILITY REPORT	PRINTED DATA REPORT	STATISTICAL ANALYSIS	GRAPHICAL OUTPUT	MAGNETIC TAPE/DISC	PUNCHED CARDS	DATA BANK MONITOR	COPY OF FILE ONLY	PHOTOGRAPHIC PRODUCTS	DIGITAL IMAGERY DATA	PERIOD OF RECORD
Irrigation Inventory	04030400											
Municipal Return Flow	04030500		X			X						1968-1975
Industrial Return Flow	04030600		X			X						1968-1976
Self Reporting Data (Water Quality)	04030700		X			X						1970-Current
Waste Control Order Data (WCO File)	04030800	X	X			X						Current
Municipal and Industrial Water Use	04030900		X									1955-1975
Water Rights Permit Master File	04031000		X			X	X					1913-Current
Water Rights Permit Address File	04031100		X			X						Current
State Water District Master	04031150		X			X						1950-Current
Water Use File	04031200		X			X	X					1906-Current
Certified Water or Wastewater Operator File	04031300		X									Current
Dam Inventory	04031500		X			X	X					1800-Current
Sewage Treatment Plant Inventory	04031600											
Water or Wastewater Operator File	04031700		X				X					1971-Current
Community Profile - Water Utilities Information	04031800		X									1950-1976
V. GEOLOGIC AND LAND RESOURCES												

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A. Surface												
Soil Summary Master File	05010100		X									1966-1968
Corpus Christi Area Resource Capability Units	05010200				X							
Fracture Mapping	05010300				X							1974
Open Pits in Texas	05010400											
B. Subsurface												
Annual Oil Production	05020100								X			1960-1969
Annual Natural Gas Production	05020200								X			1969-1969
Annual Water Injection in Secondary Recovery	05020300								X			1970-1976
Cummulative Oil and Gas Production Totals	05020400								X			1960-1969
Corelabs Subsurface Saline Water Survey	05020500								X			1900-1970
Oil Production and Allowable Master	05020600					X						1970-1976
Gas Production and Allowalbe Master	05020700					X						1970-1976
C. Man's Activities												
Land Classification Master File	05030100		X			X						Historic

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Submerged Lease Data File	05030200	X				X						1950-Current
State Land Lease Master File	05030300	X				X						1950-Current
Permanent Free School Fund Land Master File	05030400	X				X						Current Active Accounts
Veteran's Land Master File	05030500	X				X						Current Active Accounts
Veteran's Land Statistical File	05030600	X				X						1949-Current
Unsold School Land File	05030700	X				X						Historic
Secondary Recovery - Master	05030800					X						1970-1976
Secondary Recovery - Lease File	05030900					X						1970-1976
Secondary Recovery - Fluids	05031000					X						1970-1976
Secondary Recovery - Injection	05031100					X						1970-1976
Secondary Recovery - Year File	05031200					X						1970-1976
Liquid Spillage	05031300	X				X						1971-1976
Annual Water Injection for Secondary Recovery	05031400					X						1970-1976
Community Profile - Zoning Ordinances	05031500	X										1950-1976
County Profile - Agricultural Land Use	05031600	X										1950-1976
State-Owned Parklands	05031700									X		One time compilation 1975
Community Profile-Water Utilities Information	05031800											1950-1976
VI. SOCIO-ECONOMIC RESOURCES												

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A. Social												
1970 U. S. Census of Population and Housing - First Count Summary	06010100		X	X								1970
1970 U. S. Census of Population and Housing - Second Count Summary	06010200		X	X								1970
1970 U. S. Census of Population and Housing - Third Count Summary	06010300		X	X								1970
1970 U. S. Census of Population and Housing - Fourth Count Summary	06010400		X	X								1970
1970 U. S. Census of Population and Housing - Fifth Count Summary	06010500											1970
Obers County Population and Land Area	06010600											
Automatic Traffic Recorder Volumes	06010700					X						1967-1977
Highway Speed Survey	06010800						X					1976-1977
Urban Origin-Destination Survey	06010900					X						Varies by City
Highway Traffic Log	06011000					X						1967-1977
Boat Registration Master	06011100		X			X						Current
Public Hunts - Drawn Master	06011200					X						1969-1973
Community Profile - Population and Education	06011300		X									1959-1976

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County Profile - Population	06011400		X									1950-1976
B. Economic												
County and SMSA Earnings and Income	06020100		X									1929-1972
Dun and Bradstreet	06020200		X									1969-1974
Obers Water Resources Regions	06020300								X			1950-2020
Obers Economic Areas	06020400								X			1950-2020
Obers County Population and Land Area	06020500								X			1970
Highway Bridge Log	06020600					X						Current
Structure Inventory and Appraisal File	06020700					X						Current
Road Life Data	06020800					X						1917-1977
Roadway Characteristics, State Highway System	06020900					X						Current
Roadway Characteristics, County System	06021000					X						Current
Rail-Highway Grade Crossing	06021100					X						Current
Community Profile - Business Statistics	06021120		X									1950-1976
County Profile - Personal Income and Earnings	06021130		X									1950-1976
C. Commerce												

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Truck Weight Data	06030100											1967-1977
Community Profile - Business Statistics	06030200		X									1950-1976
County Profile - Business Statistics	06030300		X									1950-1976
D. Government												
State Water District Master	06040100		X			X						Current
Community Profile - City Government Information	06040200		X									1950-1976
County Profile - County Government Information	06040300		X									1950-1976

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