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# Scientific and Technical, Spatial, and Bibliographic Data Bases and Systems of the U.S. Geological Survey, 1983

Including Other Federal Agencies

Geological Survey Circular 817



No Longer Available  
See Attached  
ESDD "Fact Sheet"

Suggestions for improving the usefulness of any future editions of this circular and suggestions as to other organizations whose data bases and systems could or should be included will be appreciated. Write:

Office of the Data Administrator  
U.S. Geological Survey  
806 National Center  
Reston, VA 22092

# Scientific and Technical, Spatial, and Bibliographic Data Bases and Systems of the U.S. Geological Survey, 1983

Including Other Federal Agencies

Revised Edition

Compiled by the Office of the Data Administrator

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Geological Survey Circular 817

*Prepared with the cooperation of  
the Bureau of Land Management and  
the Minerals Management Service*

**United States Department of the Interior**  
WILLIAM P. CLARK, *Secretary*



**Geological Survey**  
Dallas L. Peck, *Director*

*Free on application to Distribution Branch, Text Products Section,  
U. S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304*

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Scientific and Technical, Spatial, and Bibliographic  
Data Bases and Systems of the U.S. Geological Survey, 1983

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INTRODUCTION

Geological Survey Circular 817 was originally produced in 1979. It was the result of a comprehensive inventory of the machine-readable scientific and technical, spatial, and bibliographic data bases of the U.S. Geological Survey.

This revised circular is a completely updated version of the original document. In addition to data bases, the revision contains information on automated systems as well. Also included are some data bases and systems from the Bureau of Land Management and the Minerals Management Service. More material will soon be added to our files from these agencies as well as others. The data bases and systems described are either currently in operation or are under development and are or will be systematically maintained and used.

The production of this circular is one of a series of steps planned by the Data Administrator to establish a coherent long-range approach to the management of earth-science data sources at the Survey. The circular can also provide some benefits to the entire earth science community by:

- o Aiding in the diffusion of knowledge among members of the earth science community.
- o Enabling easier exchange of technical data and information among researchers.
- o Increasing awareness about who is doing what in the community of earth scientists.
- o Providing exposure to the range of earth science data available and quickly bringing researchers in contact with the information source desired.

The information contained in this circular is available by means of an interactive storage and retrieval computer system for browsing, querying, searching, and analysis. The computer system, the Earth Science Information System (ESIS), is a

comprehensive data management facility designed to support the coordination, integration, and standardization of data within the Survey. ESIS maintains a central and uniform repository of detailed information about the earth-science data bases and systems contained in this circular as well as information on associated data elements. The online retrieval capabilities of ESIS provide powerful keyword search techniques with an option for linking two or more keywords for Boolean logic searches. Available predefined and ad hoc retrievals provide both sophistication and versatility in a user-friendly environment. ESIS is completely menu driven with prompt and help statements, so that even first-time users can successfully conduct a terminal session. The ESIS files contain up-to-date information, and the user obtains a customized printout of the search results.

This circular will be updated periodically from the data contained in ESIS. Current plans call for expanding the scope of ESIS to include information on data bases and systems from other organizations and Federal agencies concerned with the earth sciences. The resulting directory should prove to be an extremely valuable tool and information source. Further, consideration is being given to establishing an earth science data depository for pertinent, actual data from many of the referenced data bases.

The data bases are described by the following categories of information provided by the responsible persons:

DATA BASE NAME. A short descriptive name or title that identifies the data base.

ACRONYM. An acronym of the data base name or a short name or an abbreviation of the data base name.

DATA BASE TYPE. An indication of the type of data in the data base--either spatial, scientific and technical, bibliographic, or mission support.

DATA STRUCTURE. The logical structure of the data base records.

CONTACT PERSON. The name of the person who is knowledgeable about this data base.

CONTACT ADDRESS. The address of the contact person; post office box number and (or) mail stop number; city; state; and zip code.

CONTACT TELEPHONE. The telephone number(s) of the contact person.



SPATIAL DATA TYPES. A descriptive term such as point, line, polygon, grid, or other term that identifies the type of spatial data in the data base.

COORDINATE SYSTEM. The identification of the coordinate system(s) used in spatial data bases.

TIME SPAN OF DATA COLLECTED. The period of time during which data collection took place.

STATUS OF DATA BASE. An indication of the present status of the data base--either operational, under development, or under modification.

USERS. The known or intended individual or organizational users of the data in the data base or recipients of information products of the data base.

AVAILABILITY FOR USE/ACCESS. An indication of the availability or accessibility of the data base.

ACCESS METHOD. The method used to access the data base--online, batch, and so forth.

OUTPUT MEDIA. The medium (media) used for output of information products of the data base--printout, magnetic tape, and so forth.

STORAGE MEDIA. The medium (media) on which the data base resides or is stored.

SIZE OF DATA BASE. An indication of the size of the data base in terms of approximate number of logical records and bytes per record and the predicted yearly growth, indicated by a percentage of current data-base size.

COMPUTER MAKES AND MODELS. The make(s) and model(s) of the computer(s) on which the data base resides or will reside.

COMPUTER LOCATIONS. The location(s) of the computer(s) on which the data base resides or will reside.

LANGUAGES. The software language(s) used to develop and (or) access the data base.

DBMS. The data base management system(s) used to develop and (or) access the data base.

SUBJECT COVERAGE. The general subject coverage of the data in the data base.

GEOGRAPHICAL COVERAGE. A general description of the geographical areas covered or represented by data in the data base.

SOURCES OF DATA. The internal or external individual or organizational source of the data in the data base.

SYSTEMS THAT ACCESS DATA BASE. The name of the computer system that uses or accesses the data base or file.

DOCUMENTATION. A bibliographic citation of documentation available, a reference concerning the data base, or an indication that no documentation is available.

KEYWORDS. Keywords or descriptors used to describe the data in the data base.

DEFINITION/DESCRIPTION. A brief description of the data base.

COMMENTS. General comments concerning the data base or amplifying information from any of the above categories.

The systems are described by the following categories of information:

SYSTEM NAME. Common name of system.

ACRONYM. An acronym of the system name or a short name or an abbreviation of the system name.

APPLICATION CATEGORY. Type of application that this system represents.

CONTACT PERSON. The name of the person who is knowledgeable about this system.

CONTACT ADDRESS. The address of the contact person; post office box number and (or) mail stop number; city; state; and zip code.

TELEPHONE. Telephone number(s) of the contact person.

DATA BASES ACCESSED. Data bases that are utilized by or are an inherent part of the system.

DATE IMPLEMENTED. Date on which this system was implemented.

LAST MODIFIED. Date on which the last major modification or enhancement to the system was completed.

EXPECTED APPLICATION LIFE. The year that the system is expected to be discontinued or replaced.

APPLICATION STATUS. The current status of the system.

ANNUAL OPERATING COSTS. An estimate of the total costs of running this system for 1 year, including computer time, disk storage, tape rental, terminal rental, and interactive terminal costs.

AVAILABILITY FOR USE/ACCESS. An indication of the availability or accessibility of the system.

ACCESS METHODS. The method used to access the system--online, batch, and so forth.

USERS. The known or intended individual or organizational users of the system or recipients of information products of the system.

FREQUENCY OF INPUT. The frequency with which data are entered into the system.

FREQUENCY OF OUTPUT. The frequency with which data are regularly output from the system.

COMPUTER MAKES AND MODELS. The make(s) and model(s) of the computers(s) on which the system resides or will reside.

COMPUTER LOCATIONS. The location(s) of the computer(s) on which the system resides or will reside.

LANGUAGES. The software language(s) used to develop and (or) access the system.

OUTPUT MEDIA. The medium (media) used for output of information products of the system--printout, magnetic tape, and so forth.

INPUT MEDIA. The medium (media) used to enter data into the system.

INPUT LOCATIONS. Geographic location(s) of the system's input devices.

RELATED SYSTEMS. Other systems that are routinely linked or interfaced with this system.

DEFINITION/DESCRIPTION. A brief description of the system.

COMMENTS. General comments concerning the system or amplifying information from any of the above categories.

## INDEXES

**TITLE INDEX.** Listed alphabetically by data base and system name.

**ACRONYM INDEX.** Listed alphabetically by data base and system acronym. In some cases, the listed acronym is not truly an acronym but a short title or abbreviation of the data base or system name.

**CONTACT PERSON INDEX.** Listed alphabetically by last name of contact person.

**KEYWORD INDEX.** Listed alphabetically by keyword. Keywords are index terms automatically extracted by ESIS from text fields in the data-base and system descriptions provided by the responsible persons. There is no direct correlation between words in the keyword index and words in the keyword field of the data-base record. Also, the keyword index includes geographic coverage terms that refer to specific (state, county, and so forth) or regional coverage of the data base.

All page numbers in the indexes indicate the page on which the referenced item can be found. Page numbers beginning with "2-" are data-base references; those beginning with "3-" are system references.

## DEFINITIONS

This circular uses the following definitions both for categorizing and as criteria for inclusion of material:

**FILE.** A file is a collection of data representing all occurrences of a given type of record for a particular application. A file must be machine readable. In this circular, files are included in the data base section and are not distinguished from data bases.

**DATA BASE.** A data base is a collection of interrelated data stored for ready access by a number of applications; the data are stored so that their independence from programs that use the data is emphasized. A data base may or may not utilize a data base management system (DBMS). The bulk of the information in this circular concerns data bases.

SYSTEM. A system is the collection of programs or necessary software for retrieving, storing, and maintaining information in one or more data bases. The software may be specifically developed to address the needs of the system or may be generalized DBMS software.

## ACKNOWLEDGMENTS

I wish to express my appreciation to the many contact persons in the U.S. Geological Survey's divisions, the Minerals Management Service, and the Bureau of Land Management for their extensive support and cooperation in compiling this inventory and providing data input to the Earth Science Information System (ESIS). More particularly, I wish to thank the members of the staff in the Office of the Data Administrator, Thomas E. Ciciarelli and Diane Weixler, for their long hours of work, without which this document could not have been produced nor ESIS maintained.

A handwritten signature in black ink, reading "T. M. Albert". The signature is written in a cursive style with a long, sweeping horizontal line at the end.

T. M. Albert  
Data Administrator

GEOLOGIC DIVISION  
DATA BASES

\*\*\*\*\*

Data Base Name: AEROMAGNETIC SURVEYS  
DB Type: SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: GODSON, RICHARD H.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-2623 (FTS) 234-2623  
Spatial Data Type: LINE  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1968 - 1983  
Data Base Status: OPERATIONAL  
Users: GEOPHYSICISTS AND GEOLOGISTS BOTH  
INSIDE AND OUTSIDE THE USGS  
Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
Growth Rate: 5 PERCENT PER YEAR  
Subject Coverage: AEROMAGNETIC READINGS TAKEN FROM  
VARIOUS SURVEYS  
Geographical Coverage:  
US; VARIOUS LOCATIONS WITHIN ALL 50 STATES  
Sources of Data:  
AEROMAGNETIC SURVEYS FLOWN IN-HOUSE AND (PRIMARYLY) UNDER  
CONTRACT TO THE USGS  
Documentation:  
FORMAT OF TAPE SENT WITH TAPE  
Keywords:  
AEROMAGNETIC; MAGNETIC; AIRBORNE SURVEY  
Definition/Description:  
READINGS TAKEN FROM AIRCRAFT ALONG FLIGHT LINE.  
AEROMAGNETIC VALUES, BAROMETRIC ALTITUDE, AIRCRAFT COURSE,  
LATITUDE AND LONGITUDE, SAMPLE NUMBER. FORMAT VARIES FROM  
TAPE TO TAPE. STANDARDIZED SINCE 1978.  
Comments:  
TAPES REPRESENT INDIVIDUAL SURVEYS. MANUAL STATE INDEXES  
DETERMINE LOCATIONS SURVEY. CONTERMINOUS US MINERALS  
ASSESSMENT PROGRAM.

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: AFTERSHOCK STUDIES  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: SORTED SEQUENTIAL  
Contact Person: LANGER, CHARLES  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 966  
DENVER, CO 80225  
(303) 234-5091 (FTS) 234-5091  
Telephone:  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS BRANCH OF ENGINEERING GEOLOGY  
AND TECTONICS  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT;  
PUBLICATION  
Storage Media: MAGNETIC TAPE; DISK  
Total Bytes in DB: 34,500,000 BYTES  
Computer Makes and Models: VAX 11/780  
Computer Locations: GOLDEN, CO  
Languages: FORTRAN  
Subject Coverage: AFTERSHOCK DATA COLLECTED FROM  
TEMPORARY SEISMIC NETWORKS AFTER  
MAJOR EARTHQUAKES  
Geographical Coverage:  
WORLDWIDE; SPECIFIC EARTHQUAKE SITES  
Sources of Data:  
TEMPORARY SEISMIC NETWORKS SET UP FOR AFTERSHOCK STUDIES  
Documentation:  
REPORTS PUBLISHED ON EACH DATA COLLECTION EFFORT  
Keywords:  
EARTHQUAKE; SEISMIC; TEMPORARY SEISMIC NETWORK;  
MICROSEISMICITY; AFTERSHOCK  
Definition/Description:  
AFTERSHOCK STUDIES ARE CONDUCTED WORLDWIDE BY SETTING UP  
TEMPORARY SEISMIC NETWORKS ALONG EARTHQUAKE-CAUSING  
FAULTS. SUMMARY DATA OF THESE STUDIES ARE MAINTAINED  
SEPARATELY FOR EACH OF THE FOLLOWING EARTHQUAKES:  
GUATEMALA, FEBRUARY 4, 1976, PERU, OCTOBER 3, 1974,  
POCATELLO VALLEY, IDAHO, UTAH, MARCH 28, 1975, GREECE,  
JUNE 20, 1978 ARGENTINA, NOVEMBER 23, 1977, UINTA BASIN,  
UTAH, SEPTEMBER 30, 1977.



GEOLOGIC DIVISION  
DATA BASES

Comments:

THE INDIVIDUAL TAPES ARE ESSENTIALLY UNRELATED FILES. ALL ARE CONSIDERED AS A DATA BASE BECAUSE OF THE COMMONALITY OF THE SUBJECT MATTER AND THE MANNER OF PROCESSING.

\*\*\*\*\*

Data Base Name:	AGE PROFILE DATA
Acronym:	DSDMAS
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543
Telephone:	(617) 548-8700 (FTS) 837-4180
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	31,640 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTRAN
Subject Coverage:	AGE PROFILE DATA WITH COORDINATES
Geographical Coverage:	REGIONAL US
Sources of Data:	DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES
Documentation:	LOCAL DOCUMENTATION OF FILES
Systems Which Access Data Base:	GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM
Keywords:	DEEP SEA DRILLING PROJECT; GEOLOGIC AGE
Definition/Description:	DEEP SEA DRILLING PROJECT - AGE PROFILE DATA WITH COORDINATES

GEOLOGIC DIVISION  
DATA BASES

\*\*\*\*\*

Data Base Name: ALASKA SEISMIC STUDIES  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: SORTED SEQUENTIAL  
Contact Person: LAHR, JOHN  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MS 77  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 X 2510 (FTS) 467-2510  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1979 - PRESENT  
Data Base Status: OPERATIONAL  
Users: LOCAL USERS - GEOLOGISTS,  
SEISMOLOGISTS; STATE OF ALASKA;  
CORPS OF ENGINEERS; NATIONAL  
GEOPHYSICAL DATA CENTER; TSUNAMI  
WARNING CENTER  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: PUBLICATION; MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE; PUNCHED CARD  
Bytes per Record: 104 BYTES  
Total Bytes in DB: 50,000,000 BYTES  
Growth Rate: 15 PERCENT PER YEAR  
Computer Makes and Models: VAX  
Computer Locations: MENLO PARK, CA  
Languages: FORTRAN  
DBMS: NONE  
Subject Coverage: SEISMIC DATA FROM SOUTH-CENTRAL  
ALASKA COLLECTED BY HIGH-GAIN  
SENSORS  
Geographical Coverage:  
US STATE; SOUTH-CENTRAL ALASKA  
Sources of Data:  
50 HIGH-GAIN DETECTORS, UNIVERSITY OF ALASKA  
Documentation:  
CATALOGS PUBLISHED QUARTERLY EXPLAINING METHODOLOGY

GEOLOGIC DIVISION  
DATA BASES

Keywords:

EARTHQUAKE; ALASKA; DEVELOCORDER; TELEMETRY

Definition/Description:

CARD IMAGE RECORDS OF EARTHQUAKE ACTIVITY IN SOUTH-CENTRAL ALASKA. THESE ARE DEVELOPED FROM SEISMIC DATA TELEMETERED CONTINUOUSLY FROM FIELD INSTRUMENTS TO A CENTRAL SITE AT THE NOAA ALASKA TSUNAMI WARNING CENTER WHERE A TELEDYNE GEOTECH DEVELOCORDER PRODUCES FILMS THAT ARE SHIPPED TO MENLO PARK, READ, AND HAND DIGITIZED INTO CARD IMAGE FORMATS GIVING P-AND S-PHASE VALUES. THE CARDS PROVIDE FULL EARTHQUAKE LOCATION, DURATION, AND INTENSITY INFORMATION.

Comments:

DIGITIZED DATA DERIVED FROM DEVELOCORDER TAPES. THIS IS THE PRIMARY DATA SOURCE STORED IN PHASE FILES.

\*\*\*\*\*

Data Base Name:	ALASKAN AEROMAGNETIC DATA BASE
Acronym:	ALASKA MAG
DB Type:	SPATIAL
Structure:	INDEXED SEQUENTIAL
Contact Person:	ELIASON, PATRICIA T.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 2255 N. GEMINI DRIVE FLAGSTAFF, AZ 86001
Telephone:	(601) 779-3311 EXT 1312 (FTS) 261-1312
Spatial Data Type:	LINE
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1979 - PRESENT
Data Base Status:	OPERATIONAL
Users:	CONGRESSIONAL CONSERVATION COMMITTEE; PRIVATE INDUSTRY; BRANCH OF OIL AND GAS IN GEOLOGIC DIVISION OF USGS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	MAGNETIC TAPE; BATCH COMPUTER PRINTOUT
Storage Media:	DISK
Total Bytes in DB:	10,480,000 BYTES
Growth Rate:	0 PERCENT PER YEAR
Computer Makes and Models:	PDP-11/45
Computer Locations:	FLAGSTAFF, AZ
Languages:	FORTRAN; ASSEMBLER
Subject Coverage:	LOW-ALTITUDE AEROMAGNETIC DATA OF POSITIONS OF ALASKA

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US; ALASKAN OIL AND GAS FIELDS AND WILDLIFE CONSERVATION  
AREAS

Sources of Data:

AEROMAGNETIC INSTRUMENT READINGS TAKEN DURING FLIGHTS OVER  
ALASKA

Documentation:

INDEX MAP OF ALL FLIGHT LINES. OPEN-FILE REPORTS AND  
PROFESSIONAL PAPERS ON THE DATA.

Keywords:

AEROMAGNETIC; FLIGHT LINE; OIL FIELD; GAS FIELD;  
CONSERVATION AREA

Definition/Description:

LOW-ALTITUDE AEROMAGNETIC FLIGHT LINE SURVEY IN ALASKA.  
CONTAINS TOTAL FIELD READINGS, GRADIENT INFORMATION, AND  
REDUCED AND CORRECTED DATA. FLIGHTS WERE MADE OVER OIL  
FIELDS, GAS FIELDS, AND WILDLIFE CONSERVATION AREAS.

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
CACO3, CARBON AND NITROGEN  
MAS400

Acronym:

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL  
RELATIONAL

Structure:

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

24,848 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

Subject Coverage:

CACO3, CARBON AND NITROGEN

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; SEDIMENT GEOCHEMISTRY; CARBON; NITROGEN;  
CACO3

Definition/Description:

CACO3, CARBON AND NITROGEN CONTENT. THIS FILE GIVES THOSE  
CONSTITUENTS OF ORGANIC ORIGIN IN THE SAMPLES.

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
CARBONATE FRACTION COMPOSITION  
MAS310

Acronym:

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL  
RELATIONAL

Structure:

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

29,716 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

Subject Coverage:

CARBONATE FRACTION COMPOSITION

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; SEDIMENT COMPOSITION; CARBONATE  
COMPOSITION

Definition/Description:

CARBONATE FRACTION COMPOSITION (NEW JERSEY TO KEY WEST).  
THIS FILE GIVES THE COMPOSITION OF THE CALCIUM CARBONATE  
COMPONENTS WITHIN THE TOTAL SAND AND GRAVEL FRACTION  
(0.062MM). THE AMOUNT OF EACH COMPONENT WAS DETERMINED BY  
POINT COUNTS UNDER EITHER THE BINOCULAR OR THE  
PETROGRAPHIC MICROSCOPE.

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
CHEMICAL ANALYSES

Acronym:

ANLMAS

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
(617) 548-8700 (FTS) 837-4180

Telephone:

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

7,557 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

Subject Coverage:

ANALYTICAL CHEMICAL DATA

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ANALYTICAL; CHEMICAL DATA

Definition/Description:

ATLANTIC MARGIN CORING PROJECT (ANALYTICAL, CHEMICAL DATA). MAJOR ELEMENT DETERMINATIONS WERE DIVIDED INTO TWO GENERAL GROUPS: CONCENTRATIONS OF  $\text{SiO}_2$ ,  $\text{TiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{Fe}_2\text{O}_3$  (TOTAL),  $\text{CaO}$ ,  $\text{MgO}$ ,  $\text{K}_2\text{O}$ ,  $\text{P}_2\text{O}_5$ , AND  $\text{MnO}_2$  (TOTAL) WERE DETERMINED BY X-RAY FLUORESCENCE IN WOODS HOLE, MA., PRELIMINARY FUSION WITH LITHIUM BORATE ACCORDING TO THE METHOD OF H.J. ROSE AND OTHERS (APPLIED SPECTROSCOPY, V.17, NO. 4, P. 81-85). A DIANO XRD 8000 UNIT WAS USED TO ANALYZE PRESSED PULVERIZED BEADS, ALONG WITH SYNTHETIC AND NATURAL ROCK STANDARDS. ADDITIONALLY, CONCENTRATIONS OF  $\text{FeO}$ ,  $\text{H}_2\text{O}^+$ ,  $\text{H}_2\text{O}^-$ , TOTAL S, CL, AND F WERE DETERMINED BY STANDARD METHODS IN THE RESTON, VA., ANALYTICAL LABORATORIES OF THE U.S. GEOLOGICAL SURVEY BY N. SKINNER, Z.A. HAMLIN, AND J. REID UNDER THE LEADERSHIP OF F. BROWN.  $\text{Na}_2\text{O}$  AND  $\text{MgO}$  ANALYSES WERE PERFORMED BY E. CAMPBELL AND P. ARUSCAVAGE UNDER THE LEADERSHIP OF F.O. SIMON. F.J. FLANAGAN SERVED AS LIAISON AMONG THE USER AND ANALYTICAL GROUPS. THE X-RAY FLUORESCENCE MEASUREMENTS OF  $\text{Na}_2\text{O}$  AND  $\text{MgO}$  WERE CORRECTED BY A CONSTANT FACTOR, BASED IN PART ON RESTON'S ANALYSES OF DUPLICATE SAMPLES. FOR THE MANY SEDIMENT SAMPLES CONTAINING SULFIDE SULFUR, THE FERROUS IRON ( $\text{FeO}$ ) RESULTS MAY BE QUESTIONABLE. ALL VALUES ARE IN WEIGHT PERCENT.

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
CHEMICAL ANALYSES, MAJOR ELEMENTS  
MAS700

Acronym:

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

GEOLOGIC DIVISION  
DATA BASES

Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 3,427 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: CHEMICAL ANALYSES, MAJOR ELEMENTS  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES.  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: ATLANTIC MARGIN; GEOCHEMISTRY; MAJOR ELEMENT  
Definition/Description: THIS FILE CONTAINS CHEMICAL ANALYSES OF THE MAJOR ELEMENTS  
OF SELECTED SAMPLES. WITH THE EXCEPTION OF THOSE FROM THE  
BLAKE PLATEAU, THE SAMPLES WERE SELECTED TO ILLUSTRATE THE  
COMPOSITION OF RIVERBORNE SEDIMENT AND SEA-BOTTOM SEDIMENT  
REPRESENTING TRAVERSES ACROSS THE CONTINENTAL SHELF. MINUS  
SIGNS THAT PRECEDE VALUES INDICATE THAT THE AMOUNT  
DETECTED IS LESS THAN THE VALUE SHOWN.

\*\*\*\*\*

Data Base Name: ATLANTIC MARGIN CORING PROJECT -  
CHEMICAL ANALYSES, TRACE ELEMENTS  
Acronym: MAS710  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180



GEOLOGIC DIVISION  
DATA BASES

Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 2,030 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: CHEMICAL ANALYSES, TRACE ELEMENTS  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES.  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: ATLANTIC MARGIN; GEOCHEMISTRY; TRACE ELEMENT  
Definition/Description: THIS FILE CONTAINS CHEMICAL ANALYSES FOR TRACE ELEMENTS IN THE SAMPLES SELECTED. THE TRACE ELEMENT DETERMINATIONS WERE MADE ON THE SAME PELLET USED FOR THE MAJOR ELEMENT DETERMINATIONS IN MAS700.

\*\*\*\*\*

Data Base Name: ATLANTIC MARGIN CORING PROJECT -  
CRUISE AND STATION POSITION DATA  
Acronym: MAS100  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS

GEOLOGIC DIVISION  
DATA BASES

Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 72,454 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: CRUISE AND STATION POSITION DATA  
Geographical Coverage:  
REGIONAL US  
Sources of Data:  
DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation:  
LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base:  
GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords:  
ATLANTIC MARGIN; SAMPLE SITES  
Definition/Description:  
CRUISE AND STATION POSITION DATA. THIS FILE CONTAINS THE  
CRUISE NUMBER, DATE, TIME, POSITION AND DEPTH OF WATER AT  
THE STATION.

\*\*\*\*\*

Data Base Name: ATLANTIC MARGIN CORING PROJECT -  
CUMULATIVE FREQUENCY DISTRIBUTION  
Acronym: MASCFD  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK

GEOLOGIC DIVISION  
DATA BASES

Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: CUMULATIVE FREQUENCY DISTRIBUTION  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: ATLANTIC MARGIN; SEDIMENT FREQUENCY ANALYSIS  
Definition/Description: CUMULATIVE FREQUENCY DISTRIBUTION OF GRAIN SIZE ANALYSIS.  
THIS FILE CONTAINS THE WEIGHT PERCENT OF MATERIAL  
CONTAINED IN EACH SIZE GRADE EXPRESSED IN PHI UNITS.

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Data Base Name: ATLANTIC MARGIN CORING PROJECT -  
EQUIPMENT AND SEDIMENT DESCRIPTION  
Acronym: MAS110  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 30,928 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: EQUIPMENT AND SEDIMENT DESCRIPTION

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; SAMPLING EQUIPMENT; SEDIMENT SAMPLE

Definition/Description:

EQUIPMENT AND SEDIMENT DESCRIPTIONS. THIS FILE CONTAINS  
INFORMATION ON THE EQUIPMENT USED AT THE STATION AND THE  
SHIPBOARD DESCRIPTION OF THE LITHOLOGY OF THE SEDIMENT.

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Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
GEOTECHNICAL DATA

Acronym:

TECMAS

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL  
RELATIONAL

Structure:

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS

Telephone:

WOODS HOLE, MA 02543  
(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

9,545 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

Subject Coverage:

CONTINENTAL SHELF AND SLOPE OF THE  
EASTERN UNITED STATES.

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US; ATLANTIC CONTINENTAL SLOPE AND SHELF

Sources of Data:

U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 81-239, 1981,  
LAWRENCE J. POPPE, ED.

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; GEOTECHNICAL

Definition/Description:

GEOTECHNICAL ANALYSES OF CORES FROM SITES WIDELY  
DISTRIBUTED ALONG THE CONTINENTAL SHELF AND SLOPE OF THE  
EASTERN UNITED STATES FOR THE AMCOR (ATLANTIC MARGIN  
CORING) PROJECT

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Data Base Name:	ATLANTIC MARGIN CORING PROJECT - GERMAN SEISMIC DATA-1
Acronym:	BGR1MA
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	47,028 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTRAN

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

EASTERN MARGIN; SEISMICITY

Definition/Description:

GERMAN SEISMIC VELOCITY DATA. LINES 201-203 BGR1MA THROUGH BGR4MA CONTAIN VELOCITY SUMMARIES DIGITIZED FROM USGS-BGR SEISMIC LINES 79-201 TO 79-221, WHICH WERE COLLECTED IN 1979 ABOARD THE R/V EXPLORA BY USING A 48-CHANNEL SEISMIC STREAMER (50 M PER CHANNEL) AND A TUNED AIRGUN ARRAY. THE SURVEY AREA WAS THE OUTER CONTINENTAL SHELF, SLOPE, AND UPPER RISE OFF THE COAST FROM VIRGINIA TO GEORGES BANK. THE VELOCITY SUMMARIES ARE THE CONTRACTOR'S (PRAKLA - SEISMOS) INTERPRETATION AND WERE MADE APPROXIMATELY EVERY 3.6 KM ALONG EACH LINE. THE VELOCITY VALUES (RMS AND INTERVAL IN METERS PER SECOND) ARE DIGITIZED AT 17 HORIZONS FROM THE SEA FLOOR TO A DEPTH OF 10,000 MS FOR EACH VELOCITY ANALYSIS. THE TOTAL LENGTH OF ALL THE BGR LINES IS 4750 KM, AND THE TOTAL NUMBER OF VELOCITY SUMMARIES (ASSUMING 3.6 KM SPACING) ON THE TAPE SHOULD BE APPROXIMATELY 1300. VARIABLES LID AND SHOTPT INDICATE LINE NUMBER AND SHOT POINT (50 M) FOR REFERENCE TO NAVIGATIONAL LOCATION DATA. SID (SEQUENCE IDENTIFIER NUMBER) REFERS TO A REFLECTOR NUMBER, WHICH IS THEN FOLLOWED BY AN APPROPRIATE REFLECTION TIME (MS), RMS VELOCITY (M/S), AND INTERVAL VELOCITY (M/S). UP TO 17 SID VALUES ARE GIVEN FOR EACH SHOT POINT. SOME LINES MAY HAVE UP TO 200 VELOCITY SUMMARIES.

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
GERMAN SEISMIC DATA-2

Acronym:

BGR2MA

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

GEOLOGIC DIVISION  
DATA BASES

Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 47,028 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: EASTERN MARGIN; SEISMICITY  
Definition/Description: GERMAN SEISMIC DATA

\*\*\*\*\*

Data Base Name: ATLANTIC MARGIN CORING PROJECT -  
GERMAN SEISMIC DATA-3  
Acronym: BGR3MA  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

GEOLOGIC DIVISION  
DATA BASES

Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 47,634 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Geographical Coverage:  
REGIONAL US  
Sources of Data:  
DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation:  
LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base:  
GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords:  
EASTERN MARGIN; SEISMICITY  
Definition/Description:  
GERMAN SEISMIC DATA

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Data Base Name: ATLANTIC MARGIN CORING PROJECT -  
GERMAN SEISMIC DATA-4  
Acronym: BGR4MA  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 20,094 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN



GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

EASTERN MARGIN; SEISMICITY

Definition/Description:

GERMAN SEISMIC DATA

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
GRAVEL, SAND, SILT, AND CLAY  
MAS210

Acronym:

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

37,980 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTTRAN

Subject Coverage:

GRAVEL, SAND, SILT, AND CLAY

Geographical Coverage:

REGIONAL US

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; SEDIMENT TEXTURE

Definition/Description:

GRAVEL, SAND, SILT, AND CLAY DISTRIBUTION. THIS FILE GIVES  
THE WEIGHT PERCENT OF MATERIAL IN THE GRAVEL, SAND, SILT,  
AND CLAY FRACTIONS OF THE SAMPLES.

\*\*\*\*\*

Data Base Name:	ATLANTIC MARGIN CORING PROJECT - HEAVY MINERAL ANALYSIS
Acronym:	MAS560
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	POINT
Spatial Data Type:	LATITUDE/LONGITUDE
Coordinate System:	OPERATIONAL
Data Base Status:	USGS GEOLOGISTS
Users:	UNLIMITED
Availability for Use/Access:	INTERACTIVE
Access Method:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Output Media:	MAGNETIC TAPE; DISK
Storage Media:	13,672 RECORDS
No. of Records:	HP 1000
Computer Makes and Models:	WOODS HOLE, MA
Computer Locations:	FORTTRAN
Languages:	HEAVY MINERAL ANALYSIS
Subject Coverage:	REGIONAL US
Geographical Coverage:	

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; HEAVY MINERALS

Definition/Description:

HEAVY MINERAL ANALYSES. THIS FILE CONTAINS ANALYSES OF THE HEAVY MINERAL FRACTION OF SELECTED SAMPLES FROM THE NORTH SHEET, SOUTHERN NOVA SCOTIA TO NORTHERN NEW JERSEY. THE METHODS OF SAMPLE PREPARATION AND DISCUSSION OF THE RESULTS ARE GIVEN BY D.A. ROSS (GEOLOGICAL SURVEY PROFESSIONAL PAPER 529-G).

\*\*\*\*\*

Data Base Name:	ATLANTIC MARGIN CORING PROJECT - MINERALS IN CLAY FRACTION
Acronym:	MAS505
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	10,396 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTRAN
Subject Coverage:	MINERALS IN CLAY FRACTION

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; CLAY MINERALOGY

Definition/Description:

MINERALS IN CLAY FRACTION. THIS FILE CONTAINS ESTIMATES OF THE AMOUNTS OF MINERALS IN THE CLAY FRACTION (LESS THAN 2 MM) OF SELECTED SAMPLES. VISUAL ESTIMATES OF THE RELATIVE AMOUNTS OF THE VARIOUS MINERALS PRESENT ARE LISTED TO THE NEAREST 10 PERCENT.

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
NOMINAL AND MAXIMUM DEPTHS

Acronym:

MASDEP

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

13,632 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

Subject Coverage:

NOMINAL AND MAXIMUM DEPTHS

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; MARINE SAMPLE DEPTHS

Definition/Description:

DATA COLLECTION FROM U.S. GEOLOGICAL SURVEY AND DEEP SEA  
VENTURES CONCERNING MANGANESE NODULES AND PHOSPHATE  
COLLECTION ON THE BLAKE PLATEAU.

\*\*\*\*\*

Data Base Name:	ATLANTIC MARGIN CORING PROJECT - SAND FRACTION COMPOSITION
Acronym:	MAS300
DB Type:	SCIENTIFIC/TECHNICAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	7,272 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTRAN
Subject Coverage:	SAND FRACTION COMPOSITION

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; SEDIMENT COMPOSITION; SAND COMPOSITION

Definition/Description:

SAND FRACTION COMPOSITION (NOVA SCOTIA TO NEW JERSEY).  
COMPOSITION OF THE SAND FRACTION (0.062-2.0MM) IN PERCENT  
BY WEIGHT OF ROCK FRAGMENTS, QUARTZ AND FELDSPAR, DARK  
MINERALS, GLAUCONITE, MICA, FORAMINIFERA, AND SHELL  
MATERIAL. THESE WEIGHTS WERE ESTIMATED BY EXAMINATION  
WITH A BINOCULAR MICROSCOPE. TRACES OF ANY COMPONENTS ARE  
ARBITRARILY ASSIGNED VALUES OF 0.1 PERCENT. QUANTITIES  
LESS THAN 1 PERCENT BUT MORE THAN TRACES ARE ASSIGNED  
VALUES OF 0.5 PERCENT.

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
SAND FRACTION 125-250 MM

Acronym:

MAS320

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

10,727 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTTRAN

GEOLOGIC DIVISION  
DATA BASES

Subject Coverage: SAND FRACTION 125-250 MM  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: ATLANTIC MARGIN; SEDIMENT TEXTURE  
Definition/Description: SAND FRACTION 125-250 MM, NONCARBONATE FRACTION (NEW JERSEY TO KEY WEST). THIS FILE GIVES THE COMPOSITION OF THE NONCARBONATE PART OF 125- TO 250-MM SAND FRACTIONS. THE AMOUNTS OF EACH TYPE OF MATERIAL IN PERCENT WERE DETERMINED BY POINT COUNTS UNDER THE BINOCULAR MICROSCOPE.

\*\*\*\*\*

Data Base Name: ATLANTIC MARGIN CORING PROJECT -  
SEDIMENT GRAIN SIZE ANALYSES  
Acronym: MAS250  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 38,551 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: SEDIMENT GRAIN SIZE ANALYSES

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:  
REGIONAL US

Sources of Data:  
DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:  
LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:  
GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:  
ATLANTIC MARGIN; SEDIMENT TEXTURE

Definition/Description:  
SEDIMENT GRAIN SIZE PARAMETERS CODE LINE 250 GIVES THE  
SEDIMENT GRAIN SIZE PARAMETERS OF THE SAMPLES. THESE  
PARAMETERS WERE CALCULATED FROM THE DATA BY A COMPUTER  
PROGRAM.

\*\*\*\*\*

Data Base Name:	ATLANTIC MARGIN CORING PROJECT - TEXTUAL DATA
Acronym:	MASTEX
DB Type:	SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543
Telephone:	(617) 548-8700 (FTS) 837-4180
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	BRANCH OF ATLANTIC MARINE GEOLOGY
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; BATCH COMPUTER PRINTOUT
Storage Media:	DISK
No. of Records:	204 RECORDS
Bytes per Record:	103 BYTES
Total Bytes in DB:	21,012 BYTES
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTRAN
DBMS:	GRASP
Subject Coverage:	SEE DATA BASE DESCRIPTION



GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US; ATLANTIC CONTINENTAL SHELF AND SLOPE

Sources of Data:

SURVEY GEOLOGISTS AND TECHNICIANS

Documentation:

U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 81-239, 1981,  
LAWRENCE J. POPPE, ED.

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC CONTINENTAL SHELF; ATLANTIC CONTINENTAL SLOPE

Definition/Description:

TEXTUAL DATA ANALYSES OF CORES FROM SITES WIDELY  
DISTRIBUTED ALONG THE CONTINENTAL SHELF AND SLOPE OF THE  
EASTERN UNITED STATES FOR THE AMCOR (ATLANTIC MARGIN  
CORING) PROJECT

Comments:

THESE DATA WERE COLLECTED IN 1976.

\*\*\*\*\*

Data Base Name:	ATLANTIC MARGIN CORING PROJECT - TRACE ELEMENTS ANALYSIS
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	4,932 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTTRAN
Subject Coverage:	TRACE ELEMENTS ANALYSES

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

ATLANTIC MARGIN; TRACE ELEMENT; MARINE GEOCHEMISTRY

Definition/Description:

ATLANTIC MARGIN CORING PROJECT CHEMICAL ANALYSIS (TRACE ELEMENTS). MN, ZN, LI, AND RB WERE DETERMINED BY FLAME ATOMIC ABSORPTION SPECTROSCOPY, PB, CD, AS, AND AG WERE DETERMINED BY GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROSCOPY BY E. CAMPBELL AND P. ARUSCAVAGE. THESE ANALYSTS DETERMINED W AND MO CONCENTRATIONS SPECTROPHOTOMETRICALLY. B, CO, CR, CU, LA, NI, V, AND ZR WERE DETERMINED BY QUANTITATIVE EMISSION SPECTROSCOPY BY E. SILK, C. ANNELL, AND D.W. GOLIGHTLY IN THE RESTON, VA., LABORATORIES OF THE U.S. GEOLOGICAL SURVEY. URANIUM AND THORIUM ANALYSES WERE PERFORMED BY H.T. MILLARD, C. MCFEE, AND C. BLISS IN THE USGS DENVER LABORATORIES. HOWEVER, A SUBSEQUENT CHECK SHOWED DISCREPANCIES IN SOME THORIUM DATA, AND THE VALUES SHOWN HERE MAY BE UNRELIABLE. "L" FOLLOWING A VALUE MEANS "LESS THAN." VALUES ARE IN PARTS PER MILLION.

\*\*\*\*\*

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -  
X-RAY DIFFRACTION ANALYSES

Acronym:

MAS500

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

GEOLOGIC DIVISION  
DATA BASES

Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 44,781 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: X-RAY DIFFRACTION ANALYSIS  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: ATLANTIC MARGIN; X-RAY DIFFRACTION  
Definition/Description: X-RAY DIFFRACTION ANALYSIS (BULK SAMPLES 2 MM). THIS FILE  
CONTAINS THE WEIGHT PERCENT OF MINERALS DETECTED BY X-RAY  
POWDER DIFFRACTION ANALYSES OF THE BULK FRACTION LESS THAN  
2 MM IN DIAMETER.

\*\*\*\*\*

Data Base Name: ATLANTIC OUTER CONTINENTAL SHELF  
SEISMIC DATA  
Acronym: AOCSSRD  
DB Type: SPATIAL  
Contact Person: TAYLOR, DAVID J.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OIL AND GAS BRANCH  
DENVER FEDERAL CENTER  
DENVER, CO 80225  
(303) 234-5008 (FTS) 234-5008  
Telephone:  
Spatial Data Type: GRID  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1970 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS, OFFICE OF ENERGY AND MARINE  
GEOLOGY, OIL AND GAS BRANCH; OIL  
COMPANIES; UNIVERSITIES  
Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
Computer Makes and Models: PHOENIX I

GEOLOGIC DIVISION  
DATA BASES

Computer Locations: DENVER, CO  
Languages: FORTRAN IV  
Subject Coverage: REGIONAL SEISMIC REFLECTION DATA  
Geographical Coverage:  
REGIONAL US; OFFSHORE EAST COAST OF UNITED STATES  
Sources of Data:  
USGS MARINE GEOLOGISTS  
Documentation:  
NONE  
Keywords:  
ATLANTIC OUTER CONTINENTAL SHELF; COMMON DEPTH POINT;  
HYDROCARBON; SEISMIC REFLECTION  
Definition/Description:  
THE DATA BASE INCLUDES A REGIONAL GRID OF COMMON DEPTH  
POINT (CDP) SEISMIC REFLECTION DATA COVERING THE OFFSHORE  
EAST COAST OF THE UNITED STATES.

\*\*\*\*\*

Data Base Name: AVERAGE TOPOGRAPHIC ELEVATIONS IN  
CALIFORNIA AND ADJACENT REGIONS  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: SORTED SEQUENTIAL  
Contact Person: OLIVER, HOWARD  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MS 89  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 X 2255 (FTS) 467-2255  
Spatial Data Type: GRID  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: SCIENTISTS MAKING ENVIRONMENTAL  
AND GRAVITY STUDIES  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 250,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 20,000,000 BYTES  
Growth Rate: 0 PERCENT PER YEAR  
Languages: FORTRAN  
Subject Coverage: AVERAGE ELEVATION OF 1 X 1- AND 3  
X 3-MINUTE COMPARTMENTS IN  
CALIFORNIA AND VICINITY

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US STATE; CALIFORNIA

Sources of Data:

VISUAL OBSERVATION OF TOPOGRAPHIC MAPS

Documentation:

NTIS DOCUMENT PB-219 795, DESCRIPTION OF MAGNETIC TAPE  
CONTAINING AVERAGE ELEVATIONS OF TOPOGRAPHY IN CALIFORNIA  
AND ADJACENT REGIONS FOR AREAS OF 1 X 1- AND 3 X 3-MINUTES

Keywords:

ELEVATION GRAVITY CORRECTIONS; GRAVITY CORRECTIONS;  
TERRAIN; TOPOGRAPHY

Definition/Description:

AVERAGE ELEVATIONS OF ABOUT 199,000 1 X 1- AND 51,000 3 X  
3-MINUTE "COMPARTMENTS" IN CALIFORNIA AND VICINITY ARE  
RECORDED ON A MAGNETIC TAPE. THE 1 X 1-MINUTE COVERAGE  
EXTENDS ABOUT 15 MI AND THE 3 X 3-MINUTE ABOUT 100 MI IN  
ALL DIRECTIONS BEYOND THE CALIFORNIA BOUNDARY. THIS  
DIGITAL MODEL IS ADEQUATE TO COMPUTE TERRAIN CORRECTIONS  
TO GRAVITY DATA ANYWHERE IN CALIFORNIA AT A DISTANCE OF  
ABOUT 1.5 TO 100 MI FROM EACH GRAVITY STATION AND MAY BE  
USEFUL FOR OTHER SCIENTIFIC AND ENVIRONMENTAL STUDIES.  
THE 1 X 1-MINUTE DIGITAL USES A FORTRAN PROGRAM, WHICH IS  
INCLUDED.

Comments:

MAGNETIC TAPE AVAILABLE FROM NTIS AS PB-219 794

\*\*\*\*\*

Data Base Name:	B&F NAVIGATION - GEORGES BANK
Acronym:	MADATA
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543
Telephone:	(617) 548-8700 (FTS) 837-4180
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK

GEOLOGIC DIVISION  
DATA BASES

No. of Records: 10,304 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: GRAB SAMPLE LOCATIONS  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: GEORGES BANK; MARINE GEOCHEMISTRY; OCEAN SEDIMENT  
Definition/Description: THIS DATA SET LISTS POSITIONS OF STATIONS OCCUPIED BY THE FIRST SAMPLING CRUISE OF THE GEORGES BANK MONITORING PROGRAM.

\*\*\*\*\*

Data Base Name: BALTIMORE CANYON MINERALOGY  
Acronym: MASTER  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION; MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 969 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: MINERALOGY X-RAY

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

BALTIMORE CANYON; MINERALOGY; X-RAY

Definition/Description:

BALTIMORE CANYON/MID-ATL AUG-SEP 79 ENVIRONMENTAL SLOPE

\*\*\*\*\*

Data Base Name:

BIBLIOGRAPHIC REFERENCES (CITATN)

Acronym:

CITATN

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY

GEOLOGIC DIVISION

OFFICE OF ENERGY AND MARINE GEOLOGY

QUISSETT CAMPUS

WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

5,360 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

Subject Coverage:

FULL CITATION

Geographical Coverage:

REGIONAL US

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

MARINE GEOLOGY; BIBLIOGRAPHY

Definition/Description:

CONTAINS A FULL TEXT OF EACH PUBLICATION CITATION AUTHORED  
BY A MEMBER OF THE BRANCH OR PAID FOR BY BRANCH MONEY.  
ALSO PERMITS STATISTICAL INFORMATION FOR VARIOUS REPORTS  
ON OUTPUT AND STATUS.

\*\*\*\*\*

Data Base Name:	BIBLIOGRAPHIC REFERENCES (SEARCH)
Acronym:	SEARCH
DB Type:	SCIENTIFIC/TECHNICAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	20,397 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTTRAN
Subject Coverage:	BRANCH PUBLICATIONS
Geographical Coverage:	REGIONAL US



GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

MARINE GEOLOGY; BIBLIOGRAPHY

Definition/Description:

PROVIDES FOR SEARCH OF BRANCH PUBLICATIONS BY ANY OF THE  
VARIABLES TO ALLOW, IF NECESSARY, FOR LINKAGE WITH CITATN  
FILES AND FULL REFERENCE TITLE AND INFORMATION

\*\*\*\*\*

Data Base Name:	BOSTON HARBOR GEOCHEMISTRY DATA
Acronym:	MASX
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	2,725 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTRAN
Subject Coverage:	GEOCHEMISTRY DATA
Geographical Coverage:	REGIONAL US

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

BOSTON HARBOR; GEOCHEMISTRY; BOSTON

Definition/Description:

BOSTON HARBOR - OFFSHORE GEOCHEMISTRY PROJECT 1977-1978.  
THIS DATA SET CONTAINS TRACE METAL CONCENTRATIONS OF  
BOSTON HARBOR SEDIMENT FROM BOTH CORES AND SURFICIAL GRAB  
SAMPLES.

\*\*\*\*\*

Data Base Name:

BRANCH OF PETROPHYSICS AND REMOTE  
SENSING BIBLIOGRAPHIC DATA BASE

DB Type:

BIBLIOGRAPHIC

Structure:

SORTED SEQUENTIAL

Contact Person:

OLHOEFT, GARY

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964

DENVER, CO 80225

Telephone:

(303) 234-5390 (FTS) 234-5390

Time Span:

1975 - 1983

Data Base Status:

OPERATIONAL

Users:

MEMBERS OF THE BRANCH OF GEOPHYSICS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

LINE PRINTER, OPEN-FILE REPORTS

Storage Media:

DISK

Total Bytes in DB:

500,000 BYTES

Computer Makes and Models:

HP 9845

Computer Locations:

GOLDEN, CO

Languages:

BASIC, ASSEMBLY

Subject Coverage:

PROFESSIONAL PUBLICATIONS

Documentation:

NONE

Keywords:

BIBLIOGRAPHY; PUBLICATIONS

GEOLOGIC DIVISION  
DATA BASES

Definition/Description:

BIBLIOGRAPHY OF ALL PUBLICATIONS OF PROFESSIONAL MEMBERS  
OF THE BRANCH OF GEOPHYSICS, GEOLOGIC DIVISION

\*\*\*\*\*

Data Base Name: BUREAU OF MINES SUMMARY RESERVE  
BASE AND AVERAGE ANALYSIS  
Acronym: BMRESBAS  
DB Type: SPATIAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: CARTER, M. DEVEREUX  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
956 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-7464 (FTS) 928-7464  
Spatial Data Type: COUNTY BASIS  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1900 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS; DEPARTMENT OF THE  
INTERIOR, OFFICE OF POLICY ANALYSIS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
Subject Coverage: COAL RESERVE BASE OF THE US  
Geographical Coverage:  
US; ALL STATES CONTAINING COAL  
Sources of Data:  
DEPARTMENT OF ENERGY COMPUTER TAPE  
Documentation:  
NCRDS USER'S GUIDE  
Systems Which Access Data Base:  
NATIONAL COAL RESOURCES DATA SYSTEM  
Keywords:  
COAL; RESERVE BASE

GEOLOGIC DIVISION  
DATA BASES

Definition/Description:

ESTIMATES OF COAL RESERVE BASE ON A COUNTY BASIS. DATA  
HAVE NOT BEEN VERIFIED BY USGS.

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Data Base Name: CALIFORNIA REGIONAL GRAVITY DATA  
Acronym: GRAVITY DATA  
DB Type: SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: SNYDER, DAVID B.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MS 89  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2784 (FTS) 467-2784  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: GEOPHYSICS BRANCH IN THE GEOLOGIC  
DIVISION OF THE USGS;  
UNIVERSITIES; CALIFORNIA DIVISION  
OF MINES AND GEOLOGY; PRIVATE  
INDUSTRY  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT; MAGNETIC  
TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 67,000 RECORDS  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN; PL/1  
Subject Coverage: GRAVITY DATA FOR THE STATE OF  
CALIFORNIA  
Geographical Coverage:  
US STATE; CALIFORNIA  
Sources of Data:  
GRAVITY FIELD MEASUREMENTS FROM 64,000 GRAVITY STATIONS IN  
CALIFORNIA  
Documentation:  
DESCRIPTION OF MAGNETIC TAPE CONTAINING THE PRINCIPAL  
FACTS OF 64,402 GRAVITY STATIONS IN THE STATE OF  
CALIFORNIA BY DAVID B. SNYDER, CARTER W. ROBERTS, RICHARD  
W. SALTUS, AND ROBERT F. SIKORA

GEOLOGIC DIVISION  
DATA BASES

Keywords:

OBSERVED GRAVITY; REDUCED GRAVITY; GRAVITY ANOMALIES;  
GRAVITY REDUCTIONS

Definition/Description:

THE PRINCIPAL FACTS FOR ABOUT 64,000 GRAVITY STATIONS WITHIN THE STATE OF CALIFORNIA ARE CONTAINED ON THIS 9-TRACK MAGNETIC TAPE. TAPE BLOCKSIZE IS 8000, AND LOGICAL RECORD LENGTHS ARE 80 ASCII CHARACTERS WRITTEN AT 1600 BPI DENSITY. THE TAPE CONTAINS A LEADING EXPLANATORY FILE FOLLOWED BY 28 DATA FILES ARRANGED BY 1- AND 2-DEGREE SHEETS. THE GRAVITY DATUM IS THAT OF G.P. WOOLLARD AND J.C. ROSE (INTERNATIONAL GRAVITY MEASUREMENTS, UNIVERSITY OF WISCONSIN GEOPHYSICAL AND POLAR RESEARCH CENTER, 1963) AS USED BY R.H. CHAPMAN (CALIFORNIA DIVISION OF MINES AND GEOLOGY SPECIAL REPORT 90, 1966). THE INTERNATIONAL GRAVITY FORMULA OF 1930 IS USED. AIRY-HEISKANEN ISOSTATIC ANOMALIES ARE INCLUDED, COMPUTED FOR AN AVERAGE CRUSTAL THICKNESS OF 25 KM, A DENSITY OF TOPOGRAPHY OF 2.67 G/CM3, AND A LOWER CRUST-UPPER MANTLE DENSITY OF 0.4 G/CM3. ALSO INCLUDED ARE COMPLETE BOUGUER ANOMALIES REDUCED AT A DENSITY OF 2.67 G/CM3. TERRAIN CORRECTIONS EXTEND TO 166.7 KM FROM EACH STATION. THE DATA FROM SEVERAL SOURCES ARE CORRECT TO THE BEST OF OUR ABILITIES AND RESOURCES BUT MAY STILL CONTAIN DISCREPANCIES UNKNOWN TO THE AUTHORS.

Comments:

A COPY OF THE TAPE IS AVAILABLE FROM THE NATIONAL TECHNICAL INFORMATION SERVICE (NTIS).

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Data Base Name:	CARBON CONTENT ANALYSES
Acronym:	CARBON
DB Type:	SPATIAL
Contact Person:	BAILEY, NORMAN G.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION BRANCH OF ATLANTIC MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543
Telephone:	(617) 548-8700 EXT 175 (FTS) 837-4175
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	UNDER DEVELOPMENT
Users:	BUREAU OF LAND MANAGEMENT; NATIONAL GEOPHYSICAL DATA CENTER/EDS/NOAA; U.S. GEOLOGICAL SURVEY, BRANCH OF ATLANTIC MARINE GEOLOGY

GEOLOGIC DIVISION  
DATA BASES

Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 40 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: HP21MX RTE-4 SYSTEM; FILE MANAGER  
AND EDITOR PROGRAMS  
DBMS: GRASP  
Subject Coverage: ENVIRONMENTAL ASSESSMENT  
INFORMATION  
Geographical Coverage:  
REGIONAL US; US EAST COAST--CONTINENTAL SHELF AND SLOPE  
Sources of Data:  
USGS SCIENTISTS AND TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES  
Documentation:  
NONE  
Keywords:  
CLAY; CONTINENTAL SHELF; CONTINENTAL SLOPE; MARINE GEOLOGY  
Definition/Description:  
CONTAINS NINE FIELDS PLUS A KEY FIELD TO ENABLE LINKAGE TO  
A SAMPLE COLLECTION INFORMATION DATA SET CALLED STA004.  
THE DATA ARE COMPUTERIZED TO ENABLE TRANSMITTAL IN  
MACHINE-READABLE FORM TO THE NATIONAL GEOPHYSICAL DATA  
CENTER (NGDC) IN CONFORMANCE WITH THE USGS/NOAA DATA  
ARCHIVING AGREEMENTS.  
Comments:  
THESE DATA WERE COLLECTED IN 1975.

\*\*\*\*\*

Data Base Name: CARBON 14 DATES  
Acronym: CDATES  
DB Type: SPATIAL  
Contact Person: BAILEY, NORMAN G.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF ATLANTIC MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 EXT 175 (FTS) 837-4175  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: UNDER DEVELOPMENT  
Users: BUREAU OF LAND MANAGEMENT;  
NATIONAL GEOPHYSICAL DATA

GEOLOGIC DIVISION  
DATA BASES

CENTER/EDS/NOAA; U.S. GEOLOGICAL  
SURVEY, BRANCH OF ATLANTIC MARINE  
GEOLOGY  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 19 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: HP21MX RTE-4 SYSTEM; FILE MANAGER  
AND EDITOR PROGRAMS  
DBMS: GRASP  
Subject Coverage: ENVIRONMENTAL ASSESSMENT  
INFORMATION  
Geographical Coverage:  
REGIONAL US; US EAST COAST--CONTINENTAL SLOPE AND SHELF  
Sources of Data:  
USGS SCIENTISTS AND TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES  
Documentation:  
NONE  
Keywords:  
CARBON; CONTINENTAL SHELF; CONTINENTAL SLOPE; MARINE  
GEOLOGY  
Definition/Description:  
CONTAINS EIGHT FIELDS PLUS A KEY FIELD TO ENABLE LINKAGE  
TO A SAMPLE COLLECTION DATA SET CALLED STA004  
Comments:  
THESE DATA WERE COLLECTED IN 1975.

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Data Base Name: CENTRAL CALIFORNIA MICROEARTHQUAKE  
NETWORK  
Acronym: CALNET  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: SORTED SEQUENTIAL  
Contact Person: LESTER, F. W.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2149 (FTS) 467-2149  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1969 - PRESENT  
Data Base Status: OPERATIONAL

GEOLOGIC DIVISION  
DATA BASES

Users: GEOPHYSICISTS AND SEISMOLOGISTS IN  
THE GEOLOGIC DIVISION; PUBLISHED  
REPORTS USED BY UNIVERSITIES,  
COLLEGES AND GEOPHYSICISTS OF  
OTHER US AGENCIES AND FOREIGN  
GOVERNMENTS

Availability for Use/Access: LIMITED

Access Method: INTERACTIVE AND BATCH

Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT

Storage Media: MAGNETIC TAPE; DISK

No. of Records: 800,000 RECORDS

Growth Rate: 10 PERCENT PER YEAR

Computer Makes and Models: PDP-11/70

Computer Locations: MENLO PARK, CA

Languages: FORTRAN

DBMS: NONE

Subject Coverage: MICROEARTHQUAKES OF CENTRAL  
CALIFORNIA

Geographical Coverage:  
US STATE; COASTAL RANGES OF CENTRAL CALIFORNIA, PRIMARILY  
THE SAN ANDREAS FAULT SYSTEM

Sources of Data:  
SEISMOGRAPH STATIONS OF THE USGS, CALIFORNIA INSTITUTE OF  
TECHNOLOGY, UNIVERSITY OF CALIFORNIA, AND CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

Documentation:  
OPEN-FILE REPORTS OF THE DATA ARE PUBLISHED FOR EVERY  
QUARTER UP THROUGH 1977. COMPUTER TAPES FOR DATA UP  
THROUGH 1977 ARE AVAILABLE FROM NOAA IN BOULDER, CO.

Keywords:  
EARTHQUAKE; SAN ANDREAS FAULT; CALIFORNIA; EPICENTER;  
HYPOCENTER; SEISMOLOGY

Definition/Description:  
FUNDAMENTAL PARAMETERS FOR THE SMALL EARTHQUAKES THAT  
OCCUR DAILY IN THE COAST RANGES OF CENTRAL CALIFORNIA.  
THE FOLLOWING DATA ARE GIVEN FOR EACH EVENT: TIME,  
EPICENTER IN LATITUDE AND LONGITUDE, DEPTH, MAGNITUDE,  
NUMBER OF P AND S ARRIVALS, GAP, DISTANCE TO NEAREST  
STATION, RMS ERROR OF TIME RESIDUALS, STANDARD ERROR OF  
EPICENTER, STANDARD ERROR OF DEPTH, SOLUTION QUALITY OF  
HYPOCENTER, AND QUADRANGLE NAME.



GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: CHEMICAL ANALYSES ON MAJOR, MINOR,  
AND TRACE ELEMENTS IN U.S. COAL  
BEDS  
Acronym: USCHEM  
DB Type: SPATIAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: CARTER, M. DEVEREUX  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
956 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-7464 (FTS) 928-7464  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1974 - PRESENT  
Data Base Status: DAILY UPDATE  
Users: DEPARTMENT OF THE INTERIOR, OFFICE  
OF POLICY ANALYSIS; STATE  
GEOLOGICAL SURVEYS; US ARMY CORPS  
OF ENGINEERS; USGS GEOLOGISTS;  
PRIVATE COMPANIES; OTHER FEDERAL  
AGENCIES  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE ACCESS  
Storage Media: DISK  
No. of Records: 8,000 RECORDS  
Bytes per Record: 512 BYTES  
Total Bytes in DB: 4,096,000 BYTES  
Growth Rate: 05 PERCENT PER YEAR  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV; PL/1  
Subject Coverage: COAL GEOCHEMISTRY  
Geographical Coverage:  
US STATE; ALL COAL-BEARING STATES IN THE UNITED STATES  
Sources of Data:  
USGS GEOLOGISTS AND LABORATORIES, USBM AND DOE  
LABORATORIES, STATE GEOLOGICAL SURVEY GEOLOGISTS  
Documentation:  
NCRDS USER'S GUIDE

GEOLOGIC DIVISION  
DATA BASES

Systems Which Access Data Base:

NATIONAL COAL RESOURCES DATA SYSTEM

Keywords:

COAL; GEOCHEMICAL ANALYSIS; MAJOR ELEMENT; MINOR ELEMENT;  
TRACE ELEMENT

Definition/Description:

THE DATA BASE MAINTAINS MAJOR, MINOR, AND TRACE ELEMENT ANALYSES ON COAL BEDS ANALYZED BY USGS LABORATORIES. STANDARD BUREAU OF MINES ANALYSES ARE INCLUDED FOR MANY SAMPLES. DATA ARE LOCATED BY LATITUDE AND LONGITUDE COORDINATES. DATA ELEMENTS INCLUDE STATE, COUNTY, COAL FIELD, GEOLOGIC AGE AND FORMATION, RANK, THICKNESS OF COAL, THICKNESS OF OVERBURDEN, AND RELIABILITY OF DATA. THIS DATA BASE IS PART OF A CONTINUING USGS COAL GEOCHEMICAL PROGRAM. ANALYSES ON COAL AND RELATED ROCKS WILL BE ADDED TO THE FILE AS THEY ARE REPORTED.

Comments:

DATA TAPE AVAILABLE FROM THE NGDC IN BOULDER, CO

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Data Base Name:	CHROMITE DEPOSITS OF THE UNITED STATES
DB Type:	MISSION SUPPORT
Structure:	SORTED SEQUENTIAL
Contact Person:	LIPIN, BRUCE
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 954 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-7356 (FTS) 928-7356
Spatial Data Type:	POINT
Coordinate System:	UTM NORTHINGS AND EASTINGS
Time Span:	1800 - 1982
Data Base Status:	UNDER DEVELOPMENT
Users:	USGS GEOLOGISTS
Availability for Use/Access:	NOT AVAILABLE
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL
Storage Media:	DISK
No. of Records:	700 RECORDS
Growth Rate:	0 PERCENT PER YEAR
Computer Makes and Models:	INTERTEC DATA SYSTEMS SUPERBRAIN
Computer Locations:	RESTON, VA
Languages:	SUBSET OF GRASP
DBMS:	NONE
Subject Coverage:	CHROMITE DEPOSITS

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US; ALL US STATES THAT HAVE CHROMITE DEPOSITS

Sources of Data:

BUREAU OF MINES PUBLISHED DATA

Documentation:

NONE AT PRESENT TIME

Keywords:

CHROMITE

Definition/Description:

GEOLOGICAL INFORMATION ON CHROMITE DEPOSITS OF THE UNITED STATES, INCLUDING TOTAL PRODUCTION AND RESOURCES CURRENTLY THERE

Comments:

TO BE OPERATIONAL BY THE END OF 1983

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Data Base Name:	CHROMIUM RESOURCES OF THE WORLD
Acronym:	CHROMIUM
DB Type:	MISSION SUPPORT
Structure:	SORTED SEQUENTIAL
Contact Person:	LIPIN, BRUCE
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 954 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-7356 (FTS) 928-7356
Spatial Data Type:	COUNTRY
Time Span:	1901 - 1975
Data Base Status:	OPERATIONAL
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL
Storage Media:	DISK
No. of Records:	1,200 RECORDS
Growth Rate:	0 PERCENT PER YEAR
Computer Makes and Models:	HIS MULTICS
Computer Locations:	RESTON, VA
Languages:	GRASP
DBMS:	NONE
Subject Coverage:	CHROMIUM AND CHROMITE DEPOSITS OF COUNTRIES
Geographical Coverage:	WORLDWIDE; CHROMIUM DEPOSITS AND CHROMITE PRODUCTION BY COUNTRY

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

BUREAU OF MINES PUBLICATIONS, BRITISH OVERSEAS GEOLOGICAL  
SURVEY PUBLICATIONS

Definition/Description:

CHROMIUM DEPOSITS AND CHROMITE PRODUCTION FOR VARIOUS  
COUNTRIES FOR THE YEARS 1901 TO 1975. EACH YEAR IS A  
SEPERATE RECORD.

\*\*\*\*\*

Data Base Name: CLAY MINERALOGY ANALYSES  
Acronym: CLAYMI  
DB Type: SPATIAL  
Contact Person: BAILEY, NORMAN G.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF ATLANTIC MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 EXT 175 (FTS) 837-4175  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: UNDER DEVELOPMENT  
Users: BUREAU OF LAND MANAGEMENT;  
NATIONAL GEOPHYSICAL DATA  
CENTER/EDS/NOAA; U.S. GEOLOGICAL  
SURVEY, BRANCH OF ATLANTIC MARINE  
GEOLOGY  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 34 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: HP21MX RTE-4 SYSTEM; FILE MANAGER  
AND EDITOR PROGRAMS  
DBMS: GRASP  
Subject Coverage: ENVIRONMENTAL ASSESSMENT  
INFORMATION  
Geographical Coverage:  
REGIONAL US; US EAST COAST--CONTINENTAL SHELF AND SLOPE

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

USGS SCIENTISTS AND TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES

Documentation:

NONE

Keywords:

CLAY; CONTINENTAL SHELF; CONTINENTAL SLOPE; MARINE GEOLOGY

Definition/Description:

CONTAINS 14 FIELDS PLUS A KEY FIELD TO ENABLE LINKAGE TO A  
SAMPLE COLLECTION DATA SET CALLED STA004

Comments:

THESE DATA WERE COLLECTED IN 1975.

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Data Base Name:

CONDUCTIVITY MEASUREMENTS BY  
ELECTROMAGNETIC METHODS

Acronym:

ELECTROMAGNETIC

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

INDEXED SEQUENTIAL

Contact Person:

FISCHKNECHT, FRANK

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964

DENVER, CO 80225

Telephone:

(303) 234-4304 (FTS) 234-4304

Spatial Data Type:

LINE

Coordinate System:

LATITUDE/LONGITUDE

Time Span:

1980 - PRESENT

Data Base Status:

OPERATIONAL

Users:

HANDS-ON USERS ARE MEMBERS OF THE  
BRANCH OF GEOPHYSICS, USGS; END  
RESULTS GO TO OTHER USGS  
GEOLOGISTS; GEOPHYSICISTS

Availability for Use/Access: LIMITED

Storage Media:

MAGNETIC TAPE; DISK

Total Bytes in DB:

4,000,000 BYTES

Computer Makes and Models:

HP 85; VAX 11/780; HP 21 MX

Computer Locations:

GOLDEN, CO

Languages:

BASIC; FORTRAN

DBMS:

NONE

Subject Coverage:

ELECTROMAGNETIC READINGS

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US; VARIOUS LOCATIONS WITHIN THE US

Sources of Data:

FIELD MEASUREMENTS

Documentation:

SIX REPORTS IN VARIOUS STAGES OF PRODUCTION

Keywords:

ELECTROMAGNETIC; EARTH CONDUCTIVITY; NORTHERN CALIFORNIA;  
MEDICINE LAKE HIGHLANDS; HAWAII; OAHU; ARIZONA STRIP;  
SOUTHEAST NEVADA; NORTHERN MAINE; NEVADA TEST SITE; DRY  
LAKE VALLEY; COAL VALLEY

Definition/Description:

DATA RECORDED ARE ELECTROMAGNETIC MEASUREMENTS OF EARTH  
RESISTIVITY OR CONDUCTIVITY. DATA ARE COLLECTED FOR  
VARIOUS REASONS (I.E., TECHNIQUE DEVELOPMENT AND  
VALIDATION, GEOLOGIC RESEARCH). SOME DATA ARE COLLECTED  
FROM AIRBORNE COLLECTORS, BUT MOST ARE GROUND DATA.

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Data Base Name:	CONTERMINOUS U.S. TERRAIN DIGITAL DATA BASE
Acronym:	DIGITAL TERRAIN
DB Type:	SPATIAL
Structure:	INDEXED SEQUENTIAL
Contact Person:	SWEENEY, RONALD
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION DENVER FEDERAL CENTER MS 964 DENVER, CO 80225
Telephone:	(303) 234-5526 (FTS) 234-5526
Spatial Data Type:	GRID
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1965 - 1978
Data Base Status:	OPERATIONAL
Users:	GEOPHYSICISTS WORKING WITH FIELD GEOLOGISTS POTENTIALLY INTERESTED IN GEOMORPHOLOGY
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	BATCH COMPUTER PRINTOUT; INTERACTIVE TERMINAL; MAGNETIC TAPE
Storage Media:	DISK
Total Bytes in DB:	46,000,000 BYTES
Growth Rate:	0 PERCENT PER YEAR
Computer Makes and Models:	HIS MULTICS
Computer Locations:	DENVER, CO

GEOLOGIC DIVISION  
DATA BASES

Languages: PL/1; FORTRAN  
Subject Coverage: DIGITAL ELEVATION VALUES FOR THE  
ENTIRE CONTERMINOUS US

Geographical Coverage:  
US; CONTERMINOUS 48 STATES

Sources of Data:  
NATIONAL GEODETIC SURVEY FROM ELECTROMAGNETIC  
COMPATIBILITY ANALYSIS CENTER (ECAC) FROM DMA

Documentation:  
NONE. IT IS USED IN CONJUNCTION WITH OTHER SYSTEMS.

Keywords:  
DIGITAL ELEVATION; TERRAIN; ELEVATION; TOPOGRAPHY

Definition/Description:  
TERRAIN ELEVATION DATA IN 30-S, 1-MIN, AND 3-MIN AVERAGE  
VALUES. CONTAINS VALUES FOR THE ENTIRE CONTERMINOUS US.  
DATA CONTAINED IN THREE SEPARATE FILES. EACH QUADRANGLE  
CONTAINS MAXIMUM AND MINIMUM VALUES AS HEADER INFORMATION.

\*\*\*\*\*

Data Base Name: CONTINENTAL SLOPE - BATHYMETRY  
DATA  
Acronym: MAPMAS  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 12,436 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: BATHYMETRIC DATA

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

CONTINENTAL SLOPE; BATHYMETRY

Definition/Description:

CONTINENTAL SLOPE - BATHYMETRY DATA. BATHYMETRY OF AREA BETWEEN LINDENKOHL AND SOUTH TOMS CANYONS, OFFSHORE NEW JERSEY. DIGITIZED AT 0.5-MIN INTERVALS (60-120 M) ALONG 3.5-KHZ PROFILES. LINE SPACING ABOUT 0.5 MI. SHIPS WERE R/V JAMES GILLIS (CRUISE 7903-4) AND R/V COLUMBUS ISELIN (7807-1).

\*\*\*\*\*

Data Base Name:

CRUISE ADMINISTRATIVE DATA

Acronym:

ADMIN/CRUIS

DB Type:

BIBLIOGRAPHIC

Structure:

NETWORK

Contact Person:

BAILEY, NORMAN G.

Address:

U.S. GEOLOGICAL SURVEY

GEOLOGIC DIVISION

BRANCH OF ATLANTIC MARINE GEOLOGY

QUISSETT CAMPUS

WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 EXT 175 (FTS) 837-4175

Time Span:

1971 - PRESENT

Data Base Status:

UNDER DEVELOPMENT

Availability for Use/Access:

LIMITED

Output Media:

BATCH COMPUTER PRINTOUT

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

139 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

DBMS:

IMAGE

Subject Coverage:

BRANCH CRUISE INFORMATION

Geographical Coverage:

REGIONAL US; US EAST COAST CONTINENTAL SHELF AND SLOPE



GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

USGS SCIENTISTS AND TECHNICIANS, DATA GLEANED FROM CRUISE  
REPORTS WRITTEN BY "CHIEF SCIENTISTS"

Documentation:

NONE

Keywords:

CONTINENTAL SHELF; CONTINENTAL SLOPE; MARINE GEOLOGY;  
MARINE GEOPHYSICS; OCEANOGRAPHY

Definition/Description:

THE CRUISE ADMINISTRATIVE DATA BASE CONTAINS 86 FIELDS OF  
INFORMATION CONCERNING THE SCIENTIFIC CRUISES OF THE  
BRANCH.

Comments:

DATA CAN BE ACCESSED ONLY BY IMAGE PACKAGE SOFTWARE.

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Data Base Name:	DATA ACQUISITION AND FLOW EQUIPMENT
Acronym:	DAFE
DB Type:	MISSION SUPPORT
Structure:	UNSORTED SEQUENTIAL
Contact Person:	STEELE, WILLIAM C.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 345 MIDDLEFIELD ROAD MS 79 MENLO PARK, CA 94025 (415) 323-8111 EXT 2073 (FTS) 467-2073
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1976 - PRESENT
Data Base Status:	OPERATIONAL
Users:	ADMINISTRATORS IN RESTON AND WASHINGTON, D.C.
Availability for Use/Access:	LIMITED
Access Method:	BATCH
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE
Total Bytes in DB:	600,000 BYTES
Growth Rate:	20 PERCENT PER YEAR
Computer Makes and Models:	HIS MULTICS
Computer Locations:	DENVER, CO
Languages:	FORTTRAN
DBMS:	NONE
Subject Coverage:	FULL LOG OF PACIFIC AND ARCTIC CRUISES

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

WORLDWIDE; PACIFIC AND ARCTIC OCEANS

Sources of Data:

FORMS FILLED IN ONBOARD SHIP AND KEY PUNCHED BY HAND

Documentation:

USER'S GUIDE - USGS OPEN-FILE REPORT 78-288

Keywords:

CRUISE DATA; PACIFIC-ARTIC CRUISE

Definition/Description:

KEEPS TRACK OF DATA COLLECTED ON USGS PACIFIC-ARCTIC  
MARINE GEOLOGY CRUISES. DOES NOT TRACK PROCESSING OF DATA.

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Data Base Name:	DEEP SEA DRILLING AGE PROFILE
Acronym:	MASAGE
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	26,208 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTTRAN
Subject Coverage:	AGE PROFILE DATA
Geographical Coverage:	REGIONAL US
Sources of Data:	DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

GEOLOGIC DIVISION  
DATA BASES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

DEEP SEA DRILLING PROJECT; GEOLOGIC AGE

Definition/Description:

DEEP SEA DRILLING PROJECT (DSDP) AUXILIARY/AGE PROFILE LEGS 1-75. THE AGE PROFILE PRESENTS AGE ASSIGNMENTS FOR EACH DSDP HOLE AS DETERMINED BY INVESTIGATORS. AGE CODE VARIABLE IS A DICTIONARY OF THE NUMERIC AGE CODES, AGE NAMES, AND ABBREVIATIONS USED BY DSDP. THE DATA HAVE BEEN SELECTED FROM ONE OF THREE SOURCES: THE INITIAL REPORTS (IR, THE BLUE BOOKS), THE INITIAL CORE DESCRIPTION (ICD), OR THE HOLE SUMMARIES (SITESUM, SHIPBOARD REPORTS).

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Data Base Name:	DIGITAL SONAR
DB Type:	MISSION SUPPORT SCIENTIFIC/TECHNICAL
Structure:	UNSORTED SEQUENTIAL
Contact Person:	CHAVEZ, PAT
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 2255 N. GEMINI DRIVE FLAGSTAFF, AZ 86001
Telephone:	(602) 527-7221 (FTS) 765-7221
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1980 - PRESENT
Data Base Status:	OPERATIONAL
Users:	USGS MARINE GEOLOGISTS
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE
Total Bytes in DB:	300,000,000 BYTES
Computer Makes and Models:	DEC PDP-11/45
Computer Locations:	FLAGSTAFF, AZ
Languages:	FORTRAN
Subject Coverage:	DIGITIZED SONAR IMAGERY OF THE GULF COAST AND ATLANTIC COAST OF THE UNITED STATES

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US; PORTIONS OF ATLANTIC COAST AND GULF COAST

Sources of Data:

DATA COLLECTED ON CRUISES, EITHER DIGITIZED ANALOG OR  
DIRECT DIGITAL

Documentation:

NONE

Keywords:

SONAR; BALTIMORE CANYON; GLORIA; CORPUS CHRISTI; GEORGES  
BANK; ATLANTIC CONTINENTAL SLOPE; GULF COAST; MISSISSIPPI  
DELTA; BATHYMETRY; GULF OF MEXICO

Definition/Description:

DIGITIZED SONAR DATA COVERING LIMITED AREAS ON THE EASTERN  
UNITED STATES INCLUDING THE GULF COAST AND ATLANTIC COAST.  
DATA TO BE USED FOR UNDERSEA TOPOGRAPHY.

Comments:

THIS SYSTEM WILL EVENTUALLY BE TRANSFERRED TO MULTICS.

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Data Base Name:	DIRECT CURRENT SCHLUMBERGER VERTICAL ELECTRICAL SOUNDINGS
Acronym:	ELECTRICAL SOUNDINGS
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	SORTED SEQUENTIAL
Contact Person:	ZOHDY, ADEL
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION DENVER FEDERAL CENTER MS 964 DENVER, CO 80225
Telephone:	(303) 234-5465 (FTS) 234-5465
Spatial Data Type:	FIELD
Coordinate System:	APPROXIMATED
Time Span:	1965 - PRESENT
Data Base Status:	OPERATIONAL
Users:	WATER RESOURCES DIVISION FOR GROUNDWATER WORK
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE
Computer Makes and Models:	HP 9845
Computer Locations:	GOLDEN, CO
Languages:	BASIC
Subject Coverage:	ELECTRICAL SOUNDINGS OF OBSERVED RESISTIVITY

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US

Sources of Data:

FIELD MEASUREMENTS MADE BY USGS TO SOLVE A PARTICULAR  
PROBLEM

Documentation:

APPROXIMATELY 25 OPEN-FILE REPORTS

Keywords:

ELECTRICAL SOUNDINGS; SCHLUMBERGER; SOUNDINGS; VERTICAL  
ELECTRICAL SOUNDINGS; GEOTHERMAL STUDIES

Definition/Description:

SUCCESSION READINGS OF APPARENT RESISTIVITY BETWEEN  
ELECTRODES ARE TAKEN. ELECTRODES ARE MOVED APART AT  
LOGARITHMICALLY INCREASING DISTANCES. OBSERVED RESULTS  
ARE COMPARED WITH CALCULATED RESULTS AND INTERPRETATIONS  
PROVIDED.

Comments:

EACH STUDY IS DONE INDIVIDUALLY. RESULTS ARE PUBLISHED  
EITHER AS AN OPEN-FILE REPORT OR AS AN INTERNAL USGS  
REPORT. TAPES CONTAINING RAW AND/OR PROCESSED DATA ARE  
SOMETIMES RETAINED, SOMETIMES DESTROYED.

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Data Base Name:	EASTERN UNITED STATES EARTHQUAKE DATA
Acronym:	MASQUA
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	BOTBOL, JOSEPH M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543 (617) 548-8700 (FTS) 837-4180
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; PUBLICATION; MAPS
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	21,888 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA

GEOLOGIC DIVISION  
DATA BASES

Languages: FORTRAN  
Subject Coverage: EASTERN UNITED STATES EARTHQUAKE  
DATA  
Geographical Coverage:  
REGIONAL US  
Sources of Data:  
DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation:  
LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base:  
GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords:  
EASTERN UNITED STATES; EARTHQUAKE  
Definition/Description:  
EASTERN UNITED STATES EARTHQUAKE DATA, EAST OF LONGITUDE  
94 DEGREES

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Data Base Name: ELECTRICAL PROPERTIES BIBLIOGRAPHY  
DB Type: BIBLIOGRAPHIC  
Structure: SORTED SEQUENTIAL  
Contact Person: OLHOEFT, GARY  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-5390 (FTS) 234-5390  
Data Base Status: UNDER MODIFICATION  
Availability for Use/Access: NOT AVAILABLE  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 4,000 RECORDS  
Bytes per Record: 512 BYTES  
Total Bytes in DB: 2,048,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: HP 9845  
Computer Locations: GOLDEN, CO  
Languages: BASIC; ASSEMBLY  
Subject Coverage: BIBLIOGRAPHY OF ELECTRICAL  
PROPERTIES OF ROCKS AND MINERALS

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

WORLDWIDE

Keywords:

BIBLIOGRAPHY; ELECTRICAL PROPERTIES; ROCK; MINERALS

Definition/Description:

WORLDWIDE REFERENCES ON ANY INFORMATION REGARDING THE  
ELECTRICAL PROPERTIES OF ROCKS AND MINERALS

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Data Base Name: ELECTROCHEMICAL DATA SET ON PURE  
MINERAL SPECIMENS  
DB Type: COMPUTATIONAL/STATISTICAL;  
SCIENTIFIC/TECHNICAL  
Structure: RELATIONAL  
Contact Person: OLHOEFT, GARY  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-5390 (FTS) 234-5390  
Time Span: 1981 - PRESENT -  
Data Base Status: UNDER DEVELOPMENT  
Users: GEOPHYSICISTS; GEOCHEMISTS; GARY  
OLHOEFT  
Availability for Use/Access: NOT AVAILABLE  
Access Method: INTERACTIVE  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
Total Bytes in DB: 1,500,000 BYTES  
Growth Rate: 100 PERCENT PER YEAR  
Computer Makes and Models: HP 9845  
Computer Locations: GOLDEN, CO  
Languages: BASIC, ASSEMBLY  
DBMS: NONE  
Subject Coverage: ELECTRICAL PROPERTIES OF PURE  
MINERALS

Keywords:

ELECTRICAL PROPERTIES; PURE MINERALS; PETROPHYSICS  
LABORATORY; FREQUENCY DEPENDENT

Definition/Description:

FREQUENCY-DEPENDENT ELECTRICAL PROPERTIES OF PURE MINERALS  
FROM ELECTROCHEMICAL MEASUREMENTS IN THE PETROPHYSICS  
LABORATORY

GEOLOGIC DIVISION  
DATA BASES

Comments:

CURRENTLY 12 MINERALS. SYSTEM IS UNDER MODIFICATION TO  
HANDLE EXPLOSIVE INCREASE IN DATA. EXPECTED TO GROW TO  
800 MINERALS.

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Data Base Name: GEOLOGIC MAP DATA  
Acronym: GEOMAPFIL  
DB Type: BIBLIOGRAPHIC  
Contact Person: VAN DRIEL, J. NICHOLAS  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
911 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6034 (FTS) 928-6034  
Spatial Data Type: GRID  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1930 - 1978  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS; GENERAL PUBLIC  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
No. of Records: 200,000 RECORDS  
Bytes per Record: 80 BYTES  
Computer Makes and Models: HIS MULTICS; DEC  
Computer Locations: MENLO PARK, CA; RESTON, VA;  
FLAGSTAFF, AZ  
Subject Coverage: MAPS ARE IDENTIFIED BY PUBLICATION  
SERIES AND NUMBER, YEAR OF  
PUBLICATION, SCALE, AND LOCATION.  
THE STANDARD 7.5-MIN QUADRANGLE IS  
THE SAMPLE CELL. MAPS COVERING  
MORE THAN ONE 7.5-MIN QUADRANGLE  
ARE SUBDIVIDED INTO 7.5-MIN SAMPLE  
CELLS. MAPS ARE IDENTIFIED AS  
GEOLOGIC, ENGINEERING,  
HYDROGEOLOGIC, PHOTOGEOLOGIC, AND  
SURFICIAL. THOSE WITH TOPOGRAPHIC  
BASES ARE IDENTIFIED. ELEVATIONS  
AT THE CENTER OF QUADRANGLES ARE  
RECORDED. IF THE AUTHOR MAPPED DIP  
AND STRIKE, DIP IS RECORDED AND  
STRIKE IS MEASURED FROM THE MAP  
SYMBOL AND RECORDED. THE MAPS,  
THEIR EXPLANATIONS, AND PLATES ARE



GEOLOGIC DIVISION  
DATA BASES

SCANNED FOR GEOLOGIC AND MANMADE FEATURES, MAP DISPLAY TECHNIQUES USED, SELECTED ROCK TYPES AND MINERAL DEPOSITS, THE DOMINANT ROCK TYPE MAPPED WITHIN 7.5-MIN SAMPLE AREAS, THE NUMBER OF COAL BEDS MAPPED WITHIN A QUADRANGLE, AND THE AGE OF THE YOUNGEST UNIT CUT BY A FAULT IN EACH QUADRANGLE.

Geographical Coverage:

US; THE CONTERMINOUS 48 STATES AND ALASKA

Sources of Data:

GEOLOGIC MAPS OF THE US, PUBLISHED AFTER 1929, BY THE USGS OR STATE GEOLOGIC SURVEYS, AT SCALES BETWEEN AND INCLUDING 1:24,000 AND 1:250,000.

Keywords:

GEOLOGIC FEATURES; MANMADE FEATURES; COMMODITY; GEOLOGIC DATA; HISTORY; MAPPING; MAP; HAZARD; MINERAL DEPOSIT; LITHOLOGY; PETROLOGY; SUBSURFACE DATA

Definition/Description:

THE DATA FILE SERVES AS A CATALOG FOR THE AVAILABILITY OF MANY TYPES OF DATA COMMONLY SHOWN ON GEOLOGIC MAPS. QUERI, A DATA RETRIEVAL AND REPORT GENERATION PACKAGE DEVELOPED FOR THE MULTICS SYSTEM, IS USED TO GENERATE TABULATED LISTS AS WELL AS GRAPHIC REPORTS IN THE FORM OF LINE GRAPHS, BAR CHARTS, PIE CHARTS, OR MAPS. CATEGORIES OF DATA INCLUDE GEOLOGIC FEATURES (80), MANMADE FEATURES (INCLUDING MINING OPERATIONS BY COMMODITY (165)), MAPPING OR MAP DISPLAY TECHNIQUES (40), THE OCCURRENCE OF SELECTED TYPES OF ROCK AND MINERAL DEPOSITS (25), AND THE DOMINANT ROCK TYPE (>1000) MAPPED WITHIN 7.5-MIN SAMPLE AREAS. THE FLAGSTAFF IMAGE PROCESSING LABORATORY PRODUCES VERY HIGH QUALITY COLOR MAP DISPLAYS AND ALSO BLACK-AND-WHITE PRODUCTS. MAP PRODUCTS CAN BE PHOTOREPRODUCED IN COLOR OR BLACK AND WHITE. SCALES OF THE PRODUCTS CAN RANGE FROM 1:2,500,000 TO 1:20,000,000. COMPUTER-GENERATED INDEX-TYPE MAPS CAN BE PRODUCED ON SEVERAL PROJECTIONS FOR ANY ONE OF THE ENCODED ITEMS OR COMBINATIONS OF ITEMS. THE MAP PRODUCTS ARE PUBLICATION QUALITY. COLORS, PATTERNS, PROJECTIONS, SCALE, AND THE INFORMATION DISPLAYED CAN BE SELECTED BY THE REQUESTOR TO SUIT A PARTICULAR NEED. MAPS ARE IDENTIFIED BY PUBLISHING AGENCY OR SOCIETY, PUBLICATION SERIES AND NUMBER, YEAR OF PUBLICATION, SCALE, AND LOCATION (BY COORDINATES OF LATITUDE AND LONGITUDE). MAPS COVERING MORE THAN ONE STANDARD 7.5-MIN QUADRANGLE IN AREA ARE SUBDIVIDED INTO 7.5-MIN "SAMPLE CELLS." MAPS ARE READ FOR THE PRESENCE OF GEOLOGIC AND MANMADE FEATURES, THE MAP DISPLAY TECHNIQUES USED, THE SPECIAL ROCK TYPES, AND THE DOMINANT ROCK TYPE.

GEOLOGIC DIVISION  
DATA BASES

MANY, BUT NOT ALL, OF THE ENCODED ITEMS ARE REFERENCED BY THE 7.5-MIN QUADRANGLE AREA IN WHICH THEY WERE MAPPED. OTHERS ARE REFERENCED ONLY WITHIN THE BOUNDARIES OF THE OVERALL MAP AREAS.

Comments:

TO DATE, THE DATA FILE HAS BEEN USED TO (1) IDENTIFY THE MAPS PUBLISHED FOR A PARTICULAR AREA OF THE COUNTRY, (2) LOCATE GEOLOGIC AND MANMADE FEATURES IDENTIFIED ON MAPS, (3) IDENTIFY MAPS THAT DISPLAY GEOLOGIC INFORMATION BY USING A PARTICULAR MAPPING TECHNIQUE, SUCH AS CROSS SECTIONS, ISOPACHS, GEOPHYSICAL PROFILES, SUBSURFACE CONTOURS, AND MANY OTHERS, (4) LOCATE THE 7.5-MIN QUADRANGLES WHERE A PARTICULAR LITHOLOGY IS THE MOST EXTENSIVE UNIT MAPPED, (5) LOCATE THE 7.5-MIN QUADRANGLES WHERE UNITS OF A PARTICULAR GEOLOGIC AGE ARE THE MOST EXTENSIVE UNIT MAPPED, (6) IDENTIFY MAPS PUBLISHED AT A SPECIFIC SCALE, (7) IDENTIFY MAPS PUBLISHED IN A SELECTED YEAR. THERE ARE POTENTIAL APPLICATIONS OF THESE DATA FOR GEOLOGISTS WITHIN THE USGS AND THOSE OUTSIDE IN UNIVERSITIES, INDUSTRY, AND OTHER GOVERNMENT AGENCIES. THE APPLICATIONS WILL BE DETERMINED BY THE INDIVIDUAL PROBLEM. POTENTIAL USES COULD BE IN THE AREAS OF GEOLOGIC HAZARDS AND ENGINEERING GEOLOGY, RESOURCE INVENTORY, LEGISLATIVE DECISIONMAKING, LIBRARY REFERENCE FOR RESEARCH, REGIONAL TOPICAL MAPS, AND SO ON.

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Data Base Name:	GEOLOGIC NAMES
Acronym:	GEONAMES
DB Type:	BIBLIOGRAPHIC
Structure:	SORTED SEQUENTIAL
Contact Person:	LUTTRELL, GWENDOLYN W.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF SCIENTIFIC PUBLICATIONS 902 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6511 (FTS) 928-6511
Coordinate System:	STATE GRID-DIVIDED INTO NINE PARTS ACCORDING TO MAXIMUM AND MINIMUM LATITUDE AND LONGITUDE
Time Span:	1800 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY, GEOLOGIC DIVISION, OFFICE OF SCIENTIFIC PUBLICATIONS; GEOLOGISTS
Availability for Use/Access:	UNLIMITED

GEOLOGIC DIVISION  
DATA BASES

Access Method: INTERACTIVE AND BATCH  
Output Media: BATCH COMPUTER PRINTOUT;  
PUBLICATION; INTERACTIVE TERMINAL;  
MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 27,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 2,160,000 BYTES  
Growth Rate: 05 PERCENT PER YEAR  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN  
DBMS: NONE  
Subject Coverage: GEOLOGIC NAMES OF THE UNITED STATES  
Geographical Coverage:  
US; US AND ALL US POSSESSIONS  
Sources of Data:  
PUBLICATIONS, USGS CARD FILES  
Documentation:  
USGS BULLETINS 896, 1056-A, 1200, 1350, 1520, 1535  
Systems Which Access Data Base:  
GEOLOGIC NAMES OF THE UNITED STATES  
Keywords:  
GEOLOGIC NAME; STATE; STRATIGRAPHIC NAME; GEOLOGIC AGE;  
LITHOLOGY; TYPE LOCALITY; ROCK FORMATION  
Definition/Description:  
THE ROCK STRATIGRAPHIC NAMES IN GOOD USAGE IN THE UNITED STATES HAVE BEEN CODED BY THE U.S. GEOLOGICAL SURVEY IN ACCORDANCE WITH THE STANDARD STRATIGRAPHIC CODE ADOPTED BY THE AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS. EACH CONTAINS THE STATE IN WHICH THE UNIT OCCURS, ITS GEOLOGIC AGE, A FOUR-LETTER MNEMONIC CODE OF THE NAME, A TWO-DIGIT SEQUENCE NUMBER TO HELP IDENTIFY THAT RECORD, THE GEOLOGIC NAME OF THE UNIT (INCLUDING A RANK OR LITHOLOGY TERM), LITHOLOGY, THICKNESS, COLOR, TYPE LOCALITY, AND REFERENCE.

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Data Base Name: GEOTHERMAL RESOURCES  
Acronym: GEOTHERM  
DB Type: SPATIAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: RAPPORT, AMY  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF RESOURCE ANALYSIS  
MS 84  
345 MIDDLEFIELD ROAD

GEOLOGIC DIVISION  
DATA BASES

Telephone: MENLO PARK, CA 94025  
(415) 323-8111 EXT 2906 (FTS) 467-2906  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE; UTM NORTHINGS  
AND EASTINGS; TOWNSHIP, RANGE;  
STATE COORDINATE  
Time Span: 1974 - 1978  
Users: DEPARTMENT OF ENERGY; NATIONAL  
OCEANIC AND ATMOSPHERIC  
ADMINISTRATION; STATE GEOLOGISTS  
(CALIFORNIA, IDAHO); COMMERCIAL  
(EXXON, UNION OIL)  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUBLICATION; PUNCHED  
CARDS  
Storage Media: TAPE  
No. of Records: 10,000 RECORDS  
Bytes per Record: 500 BYTES  
Total Bytes in DB: 5,000,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
DBMS: GIPSY  
Subject Coverage: GEOTHERMAL RESOURCES INFORMATION,  
WELLS, SPRINGS  
Geographical Coverage:  
US; BEYOND CALIFORNIA PRIMARILY SPOTTY COVERAGE OF REST OF  
US DUE TO REPORTING CRITERIA  
Sources of Data:  
USGS GEOLOGISTS OR TECHNICIANS, GEOLOGICAL SURVEYS OF  
STATES, AND PUBLISHED LITERATURE.  
Documentation:  
MARINER, R.H., BROOK, C.A., SWANSON, J.R., AND MABEY,  
D.R., 1978, SELECTED DATA FOR HYDROTHERMAL CONVECTION  
SYSTEMS IN THE UNITED STATES WITH ESTIMATED TEMPERATURES  
90 DEGREES C: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT  
78-858, 460 P.  
Keywords:  
ENERGY; GEOTHERMAL; HOT SPRINGS; HYDROTHERMAL; RESOURCES;  
WATER; WELL  
Definition/Description:  
GEOTHERMAL RESOURCES IS AN OPERATIONAL DATA BASE  
CONTAINING GEOTHERMAL RESOURCES INFORMATION. THERE ARE  
THREE FILES COVERING GEOTHERMAL FIELDS, WELLS, AND POINT  
SOURCES OF WARM WATER IN THE UNITED STATES AND SOME OTHER  
COUNTRIES. INFORMATION ON LOCALITY, GEOLOGY, AND PHYSICAL  
AND CHEMICAL CHARACTERISTICS OF THE WATERS IS STORED IN  
THE SYSTEM. GEOTHERM USES THE DATA STORAGE AND RETRIEVAL

GEOLOGIC DIVISION  
DATA BASES

SYSTEM CALLED GIPSY. RETRIEVALS ARE AVAILABLE AT THIS  
TIME BY WRITTEN REQUEST.

Comments:

ARCHIVED TO TAPE ON OCTOBER 1, 1982. TAPE COPY OF FILE  
AVAILABLE FROM NATIONAL TECHNICAL INFORMATION SERVICE  
(NTIS).

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Data Base Name:	GRAIN SIZE ANALYSES
Acronym:	GRSIZE
DB Type:	SPATIAL
Contact Person:	BAILEY, NORMAN G.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION BRANCH OF ATLANTIC MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543
Telephone:	(617) 548-8700 EXT 175 (FTS) 837-4175
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1975 - 1978
Data Base Status:	UNDER DEVELOPMENT
Users:	BUREAU OF LAND MANAGEMENT; NATIONAL GEOPHYSICAL DATA CENTER/EDS/NOAA; U.S. GEOLOGICAL SURVEY, BRANCH OF ATLANTIC MARINE GEOLOGY
Availability for Use/Access:	LIMITED
Output Media:	MAGNETIC TAPE; BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	770 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	HP21MX RTE-4 SYSTEM; FILE MANAGER AND EDITOR PROGRAMS
DBMS:	GRASP
Subject Coverage:	ENVIRONMENTAL ASSESSMENT INFORMATION
Geographical Coverage:	REGIONAL US; US EAST COAST--CONTINENTAL SHELF AND SLOPE

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

USGS SCIENTISTS AND TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES

Documentation:

NONE

Keywords:

CONTINENTAL SHELF; CONTINENTAL SLOPE; GRAIN SIZE; MARINE  
GEOLOGY; OCEANOGRAPHY

Definition/Description:

THE GRSIZE DATA SET CONTAINS 21 FIELDS PLUS A KEY FIELD  
THAT ENABLES LINKING TO A SAMPLE COLLECTION DATA SET  
CALLED STA004. THE DATA HAVE BEEN FORMATTED AND ENTERED  
INTO COMPUTER STORAGE TO GET THE DATA IN MACHINE-READABLE  
FORM TO TRANSMIT TO THE NATIONAL GEOPHYSICAL DATA CENTER  
(NGDC), EDS, NOAA IN CONFORMANCE WITH THE USGS/NOAA DATA  
ARCHIVING AGREEMENTS.

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Data Base Name:

GRASP USER INDEX

Acronym:

MASUSE

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL  
RELATIONAL

Structure:

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
(617) 548-8700 (FTS) 837-4180

Telephone:

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

555 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

Subject Coverage:

INFORMATION CONCERNING ALL GRASP  
FILES CURRENTLY AVAILABLE TO USERS

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US

Sources of Data:

DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:

LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

GRASP; DATA BASE INDEX

Definition/Description:

MASTER INDEX OF ALL DATA FILES CURRENTLY IN GRASP ON BOTH  
THE HEWLETT PACKARD AND MULTICS SYSTEMS

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Data Base Name:

HAWAIIAN VOLCANO OBSERVATORY  
DIGITAL SEISMOGRAM ARCHIVE

DB Type:

SCIENTIFIC/TECHNICAL

Contact Person:

ENGLISH, THOMAS T.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
HAWAIIAN VOLCANO OBSERVATORY  
P.O. BOX 51

HAWAII NATIONAL PARK, HI 96718

Telephone:

(808) 967-7328

Time Span:

1979 - PRESENT

Data Base Status:

OPERATIONAL

Users:

U.S. GEOLOGICAL SURVEY

Availability for Use/Access:

LIMITED

Access Method:

INTERACTIVE AND BATCH

Output Media:

INTERACTIVE TERMINAL

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

18,675 RECORDS

Bytes per Record:

390,000 BYTES

Total Bytes in DB:

7,300,000,000 BYTES

Growth Rate:

25 PERCENT PER YEAR

Computer Makes and Models:

DATA GENERAL ECLIPSE S200

Computer Locations:

HAWAIIAN VOLCANO OBSERVATORY

Languages:

FORTRAN 5

Subject Coverage:

DIGITAL SEISMOGRAMS

Geographical Coverage:

US STATE; STATE OF HAWAII AND ENVIRONS

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

MONITORING

Systems Which Access Data Base:

SEISMIC DATA PROCESSING SYSTEM

Keywords:

EARTHQUAKE; SEISMOGRAM; SEISMIC; SEISMOLOGY

Definition/Description:

A COLLECTION OF DIGITIZED SEISMIC TRACES WHICH REPRESENT  
MOST OF THE EARTHQUAKES WHICH ARE SELECTED FOR DETAILED  
LOCATION AND ANALYSIS.

\*\*\*\*\*

Data Base Name: HAWAIIAN VOLCANO OBSERVATORY  
EARTHQUAKE LOCATION DATA BASE  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: ENGLISH, THOMAS T.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
HAWAIIAN VOLCANO OBSERVATORY  
P.O. BOX 51  
HAWAII NATIONAL PARK, HI 96718  
(808) 967-7328  
Telephone: POINT  
Spatial Data Type: LATITUDE/LONGITUDE  
Coordinate System: 1956 - PRESENT  
Time Span: OPERATIONAL  
Data Base Status: U.S. GEOLOGICAL SURVEY; ACADEMIC  
Users: COMMUNITY  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: BATCH COMPUTER PRINTOUT;  
INTERACTIVE TERMINAL; GRAPHICS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 120,000 RECORDS  
Bytes per Record: 90 BYTES  
Total Bytes in DB: 10,800,000 BYTES  
Growth Rate: 4 PERCENT PER YEAR  
Computer Makes and Models: DATA GENERAL ECLIPSE S200  
Computer Locations: HAWAIIAN VOLCANO OBSERVATORY  
Languages: FORTRAN 5  
Subject Coverage: EARTHQUAKE HYPOCENTER LOCATIONS,  
MAGNITUDES, AND ERROR PARAMETERS



GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US STATE; STATE OF HAWAII AND ENVIRONS

Sources of Data:

MONITORING

Documentation:

KLEIN, F.W., 1978, HYPOCENTER LOCATION PROGRAM

HYPOINVERSE, U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 78-694

Systems Which Access Data Base:

SEISMIC DATA PROCESSING SYSTEM

Keywords:

EARTHQUAKE; SEISMIC; SEISMOLOGY; HYPOCENTER

Definition/Description:

A COLLECTION OF EARTHQUAKE HYPOCENTER LOCATION SUMMARY  
RECORDS

\*\*\*\*\*

Data Base Name:

HYDROCARBONS

Acronym:

HYCARB

DB Type:

SPATIAL

Contact Person:

BAILEY, NORMAN G.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF ATLANTIC MARINE GEOLOGY  
QUISSETT CAMPUS

WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 EXT 175 (FTS) 837-4175

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Time Span:

1975 - 1978

Data Base Status:

UNDER DEVELOPMENT

Users:

BUREAU OF LAND MANAGEMENT;  
NATIONAL GEOPHYSICAL DATA  
CENTER/EDS/NOAA; U.S. GEOLOGICAL  
SURVEY, BRANCH OF ATLANTIC MARINE  
GEOLOGY

Availability for Use/Access:

LIMITED

Output Media:

MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

143 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

HP21MX RTE-4 SYSTEM; FILE MANAGER  
AND EDITOR PROGRAMS

DBMS:

GRASP

Subject Coverage:

ENVIRONMENTAL ASSESSMENT  
INFORMATION

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US; US EAST COAST--CONTINENTAL SHELF AND SLOPE

Sources of Data:

USGS SCIENTISTS AND TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES

Documentation:

NONE

Keywords:

CONTINENTAL SHELF; CONTINENTAL SLOPE; HYDROCARBONS; MARINE  
GEOLOGY

Definition/Description:

CONTAINS 15 FIELDS PLUS A KEY FIELD TO ENABLE LINKAGE TO A  
SAMPLE COLLECTION INFORMATION DATA SET CALLED STA004. THE  
DATA ARE COMPUTERIZED TO ENABLE TRANSMITTAL IN  
MACHINE-READABLE FORM TO THE NATIONAL GEOPHYSICAL DATA  
CENTER (NGDC) IN CONFORMANCE WITH THE USGS/NOAA DATA  
ARCHIVING AGREEMENTS.

\*\*\*\*\*

Data Base Name:	HYPOCENTER DATA FILE
Acronym:	HDF
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	INDEXED SEQUENTIAL
Contact Person:	ENGDAHL, ERIC R.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION DENVER FEDERAL CENTER MS 967 DENVER, CO 80225
Telephone:	(303) 234-3994 (FTS) 234-3994
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	PRIVATE INDUSTRY; STATE GOVERNMENTS; UNIVERSITIES
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	MAGNETIC TAPE; BATCH COMPUTER PRINTOUT; PUBLICATION
Storage Media:	DISK
No. of Records:	300,000 RECORDS
Bytes per Record:	99 BYTES
Computer Makes and Models:	VAX, PDP 11/70
Computer Locations:	GOLDEN, CO
Languages:	RATFOR
DBMS:	NONE
Subject Coverage:	EARTHQUAKE SEISMIC DATA (CONTAINS

GEOLOGIC DIVISION  
DATA BASES

LOCATION AND OTHER DATA ON ALL  
EARTHQUAKES)

Geographical Coverage:

WORLDWIDE

Sources of Data:

MONITORING STATIONS COLLECTING SEISMIC DATA FROM  
APPROXIMATELY 2700 STATIONS AROUND THE WORLD. INFORMATION  
IS PROCESSED TO DETERMINE THE HYPOCENTER AND MAGNITUDE OF  
EACH EARTHQUAKE.

Documentation:

DESCRIPTION AND EXPLANATION OF FILE AND OUTPUT

Keywords:

EARTHQUAKE; SEISMIC DATA; HYPOCENTER

Definition/Description:

THIS DATA BASE IS AN HISTORICAL ARCHIVED FILE OF LOCATED  
EARTHQUAKE HYPOCENTERS PUBLISHED BY SEDAS AND ITS  
PREDECESSORS FROM APPROXIMATELY 3000 B.C. TO THE PRESENT.  
THE MAJORITY OF THE DATA HAVE BEEN RECORDED SINCE THE  
MID-20TH CENTURY. AT PRESENT, NEW DATA BEING COMPUTED ARE  
DERIVED FROM THE SEDAS DATA BASE FOR THE HYPOCENTER DATA  
FILE. HYPOCENTER INFORMATION CONSISTS OF EARTHQUAKE  
HYPOCENTER (ORIGIN, TIME, LOCATION, DEPTH), MAGNITUDE, AND  
OTHER CHARACTERISTICS OF EACH EARTHQUAKE.

\*\*\*\*\*

Data Base Name:	IDENTIFIED COAL RESOURCES OF THE EASTERN UNITED STATES
Acronym:	ECOAL
DB Type:	SPATIAL
Contact Person:	CARTER, M. DEVEREUX
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 956 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-7464 (FTS) 928-7464
Spatial Data Type:	COUNTY BASIS
Time Span:	1900 - PRESENT
Data Base Status:	OPERATIONAL
Users:	DEPARTMENT OF THE INTERIOR, OFFICE OF POLICY ANALYSIS; STATE GEOLOGICAL SURVEYS; US ARMY CORPS OF ENGINEERS; PRIVATE COMPANIES; OTHER FEDERAL AGENCIES; USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	INTERACTIVE TERMINAL

GEOLOGIC DIVISION  
DATA BASES

Storage Media: DISK  
No. of Records: 15,000 RECORDS  
Bytes per Record: 112 BYTES  
Total Bytes in DB: 1,680,000 BYTES  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
Subject Coverage: COAL RESOURCES  
Geographical Coverage:  
REGIONAL US; ALL COAL-BEARING STATES IN THE US EAST OF THE  
MISSISSIPPI RIVER  
Sources of Data:  
PUBLISHED REPORTS. DATA SOURCE IS INDICATED ON EACH  
RECORD.  
Documentation:  
CARGILL, S. M., OLSON, A. C., MEDLIN, A. L., AND CARTER,  
M. D., 1976, PACER--DATA ENTRY, RETRIEVAL, AND UPDATE FOR  
THE NATIONAL COAL RESOURCES DATA SYSTEM (PHASE I): U.S.  
GEOLOGICAL SURVEY PROFESSIONAL PAPER 978, 107 P. (CONTAINED  
IN NCRDS USER'S GUIDE).  
Systems Which Access Data Base:  
NATIONAL COAL RESOURCES DATA SYSTEM  
Keywords:  
COAL; EASTERN UNITED STATES; RESOURCES  
Definition/Description:  
THE DATA BASE CONTAINS PUBLISHED COAL RESOURCE ESTIMATES  
FOR COAL-BEARING STATES EAST OF THE MISSISSIPPI RIVER BY  
STATE, COUNTY, COAL FIELD, GEOLOGIC AGE AND FORMATION,  
RANK, THICKNESS OF COAL, THICKNESS OF OVERBURDEN, AND  
RELIABILITY OF DATA. SOURCES OF DATA ARE INCLUDED. ALSO  
INDICATED IS WHETHER TONNAGE ESTIMATE IS FOR ORIGINAL COAL  
IN THE GROUND OR THAT COAL REMAINING AS OF THE DATE OF THE  
PUBLICATION. DATA ENTRY IS 95-PERCENT COMPLETE.  
Comments:  
DATA TAPE AVAILABLE FROM THE NATIONAL GEOPHYSICAL DATA  
CENTER (NGDC) IN BOULDER, CO.

\*\*\*\*\*

Data Base Name: IDENTIFIED COAL RESOURCES OF THE  
WESTERN UNITED STATES  
Acronym: WCOAL  
DB Type: SPATIAL  
Contact Person: CARTER, M. DEVEREUX  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
956 NATIONAL CENTER  
RESTON, VA 22092

GEOLOGIC DIVISION  
DATA BASES

Telephone: (703) 860-7464 (FTS) 928-7464  
Spatial Data Type: COUNTY BASIS  
Time Span: 1900 - PRESENT  
Data Base Status: OPERATIONAL  
Users: DEPARTMENT OF THE INTERIOR, OFFICE  
OF POLICY ANALYSIS; STATE  
GEOLOGICAL SURVEYS; US ARMY CORPS  
OF ENGINEERS; PRIVATE COMPANIES;  
OTHER FEDERAL AGENCIES; USGS  
GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL  
Storage Media: DISK  
No. of Records: 16,000 RECORDS  
Bytes per Record: 112 BYTES  
Total Bytes in DB: 1,792,000 BYTES  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
Subject Coverage: COAL RESOURCES  
Geographical Coverage:  
REGIONAL US; ALL COAL-BEARING STATES IN THE US WEST OF THE  
MISSISSIPPI RIVER  
Sources of Data:  
PUBLISHED REPORTS. DATA SOURCE IS INDICATED ON EACH  
RECORD.  
Documentation:  
CARGILL, S. M., OLSON, A. C., MEDLIN, A. L., AND CARTER,  
M. D., 1976, PACER--DATA ENTRY, RETRIEVAL, AND UPDATE FOR  
THE NATIONAL COAL RESOURCES DATA SYSTEM (PHASE I): U.S.  
GEOLOGICAL SURVEY PROFESSIONAL PAPER 978, 107 P.  
(CONTAINED IN NCRDS USER'S GUIDE).  
Systems Which Access Data Base:  
NATIONAL COAL RESOURCES DATA SYSTEM  
Keywords:  
COAL; RESOURCES; WESTERN UNITED STATES  
Definition/Description:  
THE DATA BASE CONTAINS PUBLISHED COAL RESOURCE ESTIMATES  
FOR COAL-BEARING STATES WEST OF THE MISSISSIPPI RIVER.  
DATA ELEMENTS INCLUDE STATE, COUNTY, COAL FIELD, GEOLOGIC  
AGE AND FORMATION, RANK, THICKNESS OF COAL, THICKNESS OF  
OVERBURDEN, AND RELIABILITY OF DATA. DATA ENTRY IS  
80-PERCENT COMPLETE.

GEOLOGIC DIVISION  
DATA BASES

Comments:

DATA TAPE AVAILABLE FROM THE NATIONAL GEOPHYSICAL DATA  
CENTER (NGDC) IN BOULDER, CO.

\*\*\*\*\*

Data Base Name: INDEX TO GEOLOGIC MAPS  
Acronym: GEOINDEX  
DB Type: SPATIAL  
Structure: RELATIONAL  
Contact Person: SAKSS, YULA  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF SCIENTIFIC PUBLICATIONS  
922 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-7297 (FTS) 928-7297  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATIONAL  
Users: OIL COMPANIES; USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 500,000 RECORDS  
Bytes per Record: 8 BYTES  
Total Bytes in DB: 4,000,000 BYTES  
Growth Rate: 50 PERCENT PER YEAR  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN  
DBMS: GRASP  
Subject Coverage: GEOLOGIC MAPS  
Geographical Coverage: .  
US; UNITED STATES NATIONWIDE AND TERRITORIES.  
Sources of Data:  
ANY PUBLISHED MATERIAL RECEIVED BY THE USGS LIBRARY AND  
THE GEOLOGIC INQUIRIES GROUP  
Documentation:  
GEOLOGIC MAP INDEXES BY STATE. AVAILABLE FROM THE PUBLIC  
INQUIRIES OFFICE.

GEOLOGIC DIVISION  
DATA BASES

Keywords:

GEOLOGIC; GEOLOGY; HISTORIC; INDEX; INVENTORY; MAP;  
GEOLOGIC MAP

Definition/Description:

THE INDEX TO GEOLOGIC MAPS HAS BEEN DEVELOPED AS A DATA BASE AND DATA BASE MANAGEMENT SYSTEM THAT PROVIDES THREE MAIN CAPABILITIES. THE PRIMARY CAPABILITY IS TO PROVIDE THE MEANS OF GENERATING GEOLOGIC INDEX MAPS FOR RAPID PUBLICATION. A SECOND CAPABILITY IS TO PROVIDE IMMEDIATE ACCESS BY USERS TO ALL ITEMS IN THE DATA BASE. THE THIRD CAPABILITY IS TO PROVIDE NATIONWIDE SUMMARY INFORMATION TO POLICYMAKERS AND DECISIONMAKERS. GEOINDEX CONSISTS OF FIXED-LENGTH RECORDS THAT SUPPLY THE FOLLOWING INFORMATION ON PUBLISHED MAPS: UNIQUE NUMERIC IDENTIFIER, STATE, AUTHOR, YEAR, TITLE, COUNTY OR COUNTIES, PUBLISHER, SERIES, EMPHASIS, AREA COVERED BY THE MAP, COVERAGE IN LATITUDE AND LONGITUDE, CENTER POINT IN LATITUDE AND LONGITUDE, DEPOSITORIES, TYPE OF BASE MAP, AND PLATE NUMBER. THE SYSTEM USES GRASP AS THE STORAGE AND RETRIEVAL PROGRAM. LIKE GRASP, THE SYSTEM IS ORGANIZED AS A RELATIONAL DATA BASE.

\*\*\*\*\*

Data Base Name:	INDIVIDUAL STATE SEISMIC HISTORY
DB Type:	COMPUTATIONAL/STATISTICAL
Structure:	SORTED SEQUENTIAL
Contact Person:	STOVER, CARL
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION DENVER FEDERAL CENTER MS 967 DENVER, CO 80225 (303) 234-3994 (FTS) 234-3994
Telephone:	POINT
Spatial Data Type:	LATITUDE/LONGITUDE
Coordinate System:	1600 - PRESENT
Time Span:	UNDER DEVELOPMENT
Data Base Status:	ANYONE WANTING INFORMATION ON EARTHQUAKES
Users:	NOT AVAILABLE
Availability for Use/Access:	DISK
Storage Media:	VAX 11/780
Computer Makes and Models:	GOLDEN, CO
Computer Locations:	HISTORIC SEISMIC ACTIVITY FOR INDIVIDUAL STATES
Subject Coverage:	

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US; ALL STATES

Sources of Data:

ALL POSSIBLE SOURCES. THIS IS A RESEARCH PROJECT.

Keywords:

SEISMIC ACTIVITY; EARTHQUAKE INTENSITY; HYPOCENTER;  
EARTHQUAKE; SEISMIC

Definition/Description:

A COLLECTION OF 50 FILES OF HISTORICAL SEISMIC ACTIVITY  
DATA. LOWER CUTOFF OF MAGNITUDE IS 2.5. FILES ARE  
CURRENTLY INDIVIDUAL STATES.

Comments:

SYSTEM IS BEING DEVELOPED AS AN ONGOING PROJECT. WILL  
PROBABLY NOT BE COMPLETED FOR SEVERAL YEARS.

\*\*\*\*\*

Data Base Name:

INSTRUMENTS FOR MEASUREMENT OF  
SURFACE DEFORMATION DATA

Acronym:

INSTRUMENTS

DB Type:

SPATIAL

Structure:

UNSORTED SEQUENTIAL

Contact Person:

HERRIOT, JAMES W.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MS 77

MENLO PARK, CA 94025

Telephone:

(415) 323-8111 EXT 2932 (FTS) 467-2932

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Time Span:

1974 - PRESENT

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGIC DIVISION  
TECTONOPHYSICS BRANCH PERSONNEL,  
WHO MAINTAIN AND USE INSTRUMENTS  
FOR EXPERIMENTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL

Storage Media:

DISK

No. of Records:

600 RECORDS

Bytes per Record:

56 BYTES

Total Bytes in DB:

33,600 BYTES

Growth Rate:

5 PERCENT PER YEAR

Computer Makes and Models:

PDP-11/44

Computer Locations:

MENLO PARK, CA

DBMS:

NONE



GEOLOGIC DIVISION  
DATA BASES

Subject Coverage: ALL INSTRUMENTS CURRENTLY OR  
PREVIOUSLY USED. ALL SITES USED  
FOR MEASUREMENTS.

Geographical Coverage:  
US STATE; CALIFORNIA

Sources of Data:  
TECTONOPHYSICS BRANCH

Documentation:  
DAUL, W.B., AND JOHNSTON, M.J.S., 1980, CATALOG OF  
LOCATIONS OF USGS INSTRUMENTS RECORDING LOW-FREQUENCY DATA  
IN CALIFORNIA: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT  
80-704, 34 P.

Systems Which Access Data Base:  
GEOPHYSICAL LABORATORY

Keywords:  
INSTRUMENTS; SURFACE DEFORMATION; GEOPHYSICS;  
TECTONOPHYSICS; LOW FREQUENCY; FAULT LINE

Definition/Description:  
IDENTIFICATION, LOCATION, AND TYPE OF INSTRUMENTS USED FOR  
LOW-FREQUENCY MEASUREMENT OF FAULT LINE DEFORMATION

\*\*\*\*\*

Data Base Name: INTERNATIONAL PHOSPHATE RESOURCE  
DATA BASE

Acronym: IPRDB

DB Type: SPATIAL

Contact Person: BRIDGES, NANCY J.

Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
FEDERAL BUILDING DRAWER 10076  
HELENA, MT 59634

Telephone: (406) 449-5263 (FTS) 8-585-5263

Spatial Data Type: POLYGON

Coordinate System: LATITUDE/LONGITUDE

Time Span: 1967 - 1982

Data Base Status: UNDER DEVELOPMENT

Users: GEOLOGISTS SPECIALIZING IN THE  
GEOLOGY OF PHOSPHATE DEPOSITS.  
PHOSPHATE RESOURCE GEOLOGISTS WILL  
BE SECONDARY USERS.

Availability for Use/Access: NOT AVAILABLE

Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT;  
PUBLICATION

Storage Media: DISK

No. of Records: 4,965 RECORDS

Growth Rate: 0 PERCENT PER YEAR

GEOLOGIC DIVISION  
DATA BASES

Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: PL/1; FORTRAN (GRASP)  
DBMS: GRASP  
Subject Coverage: INTERNATIONAL PHOSPHATE RESOURCES,  
INCLUDING GEOLOGY, PETROLOGY,  
CHEMISTRY, RESERVES, RESOURCES,  
AND BENEFICIATION

Geographical Coverage:  
WORLDWIDE

Sources of Data:  
GEOREF DATA PERSONAL REFERENCE LIBRARY

Documentation:  
NONE

Keywords:  
BIBLIOGRAPHY; CHEMISTRY; ECONOMICS; GEOLOGY; OCCURRENCES;  
PHOSPHATE; PETROLOGY; RESOURCES

Definition/Description:  
THIS DATA BASE IS AN INTERNATIONAL PHOSPHATE RESOURCE DATA  
BASE. ITS UNIT OF ENTRY IS THE PHOSPHATE OCCURRENCE. DATA  
WILL INCLUDE OBJECTIVE DATA OF LOCATION AND NAME,  
INTERPRETIVE DATA OF AGE AND DEPOSITIONAL ENVIRONMENT,  
RESOURCE DATA, AND ECONOMIC DATA. A SUBFILE GIVING  
BIBLIOGRAPHIC REFERENCES WILL DOCUMENT THE FILE. ALSO,  
SUBFILES WILL BE AVAILABLE FOR RECORDING CHEMICAL DATA,  
STRATIGRAPHIC DATA, AND OTHER GEOLOGIC DATA.

Comments:  
THIS DATA BASE IS THE RESULT OF INTERNATIONAL COOPERATION  
BETWEEN PHOSPHATE GEOLOGISTS FROM MOST OF THE COUNTRIES  
THAT CONTAIN PHOSPHATE DEPOSITS AND ALSO OF THE  
COOPERATION AMONG ORGANIZATIONS THAT MAKE BIBLIOGRAPHIC  
INFORMATION AVAILABLE. AN OPEN-FILE REPORT, TO DOCUMENT  
STEPS TAKEN TO DATE IN THE FILE'S DEVELOPMENT, IS IN  
PROGRESS.

\*\*\*\*\*

Data Base Name: INVENTORY OF MULTICHANNEL SEISMIC  
DATA  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180

GEOLOGIC DIVISION  
DATA BASES

Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 14,880 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: INVENTORY OF MULTICHANNEL SEISMIC  
DATA PROFILE FROM THE EAST COAST  
MARGIN

Geographical Coverage:  
REGIONAL US

Sources of Data:  
DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES

Documentation:  
LOCAL DOCUMENTATION OF FILES

Systems Which Access Data Base:  
GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:  
EAST COAST MARGIN; MULTICHANNEL SEISMICITY; SEISMIC

Definition/Description:  
INVENTORY OF MULTICHANNEL SEISMIC DATA PROFILES FROM THE  
EAST COAST MARGIN. THIS FILE CONTAINS MULTICHANNEL  
SEISMIC DATA PROFILES GENERATED BY DIGICON, TELEDYNE AND  
GEOPHYSICAL SERVICES INC. (UNDER CONTRACT TO USGS). THE  
DATA INCLUDE STORAGE LOCATION OF PROFILE, FIRST AND LAST  
SHOT POINT LOCATIONS, AND A SMALL AMOUNT OF PROCESSING  
INFORMATION.

\*\*\*\*\*

Data Base Name: IRON RESOURCE ASSESSMENT  
Acronym: FE  
DB Type: SPATIAL  
Contact Person: CANNON, WILLIAM F.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF EASTERN MINERAL RESOURCES  
954 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6914 (FTS) 928-6914  
Spatial Data Type: POINT

GEOLOGIC DIVISION  
DATA BASES

Coordinate System: UTM NORTHINGS AND EASTINGS  
Time Span: 1879 - 1981  
Users: GEOLOGIC DIVISION GEOLOGISTS  
Availability for Use/Access: NOT AVAILABLE  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT; PUBLICATION  
Storage Media: MAGNETIC TAPE  
No. of Records: 2,500 RECORDS  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN  
Subject Coverage: IRON RESOURCES  
Geographical Coverage:  
REGIONAL US; NORTHERN MICHIGAN  
Sources of Data:  
USGS GEOLOGISTS, STATE GEOLOGICAL SURVEYS, MINING COMPANIES  
Documentation:  
CANNON, W.F., POWERS, SANDRA L., AND WRIGHT, NANCY A.,  
1978, COMPUTER-AIDED ESTIMATES OF CONCENTRATING-GRADE IRON  
RESOURCES IN THE NEGAUNEE IRON-FORMATION, MARQUETTE  
DISTRICT, MICHIGAN: U.S. GEOLOGICAL SURVEY PROFESSIONAL  
PAPER 1045, 21 P.

Keywords:  
DRILLING; IRON RESOURCES; METALLURGY; MINE; PETROLOGIC;  
RECORDS; STRUCTURE

Definition/Description:  
BETWEEN 1957 AND 1974, THE USGS MAPPED THE MARQUETTE  
DISTRICT, INCLUDING THE NEGAUNEE IRON FORMATION, IN  
DETAIL. DURING THAT WORK, A VAST AMOUNT OF PETROLOGIC AND  
STRUCTURAL INFORMATION WAS ACCUMULATED, AND, WITH THE  
COOPERATION OF THE MINING COMPANIES ACTIVE IN THE AREA, A  
FILE OF DIAMOND-DRILLING RECORDS WAS COMPILED. IN 1975, A  
PROJECT TO ORGANIZE THAT INFORMATION INTO A COMPUTERIZED  
FILE ON IRON RESOURCES WAS BEGUN.

\*\*\*\*\*

Data Base Name: LONG ISLAND SOUND SEISMOTECTONICS  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: HUTCHINSON, DEBORAH R.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4123  
Spatial Data Type: POINT

GEOLOGIC DIVISION  
DATA BASES

Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1981 - 1981  
Data Base Status: UNDER DEVELOPMENT  
Users: SEISMOLOGISTS OF USGS; UNIVERSITIES  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION  
Storage Media: MAGNETIC TAPE  
Computer Makes and Models: VAX 11/780  
Computer Locations: DENVER, CO  
Languages: DISCO  
Subject Coverage: SEISMIC DATA OF LONG ISLAND SOUND  
Geographical Coverage: REGIONAL US; LONG ISLAND SOUND  
Sources of Data: CRUISES MADE SPECIFICALLY FOR THE COLLECTION OF THESE DATA  
Documentation: NONE AS YET. PUBLICATIONS PENDING.  
Keywords: SEISMIC REFLECTION; LONG ISLAND SOUND  
Definition/Description: REFLECTION DATA FROM PARTS OF LONG ISLAND SOUND. RAW DATA ARE CHRONOLOGICAL. LATITUDE AND LONGITUDE ARE INCLUDED.  
Comments: DATA CURRENTLY BEING PROCESSED. EXPECTED COMPLETION IN FISCAL YEAR 1983.

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Data Base Name: LORAN-C MAP DIRECTORY  
Acronym: LORMAP  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS

GEOLOGIC DIVISION  
DATA BASES

Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 824 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: DIRECTORY OF MAPS  
Geographical Coverage:  
REGIONAL US  
Sources of Data:  
DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation:  
LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base:  
GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords:  
LORAN-C; MAP DIRECTORY  
Definition/Description:  
N.O.S. LORAN-C MAP DIRECTORY

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Data Base Name: LOW FREQUENCY SURFACE DEFORMATION  
DATA  
Acronym: LOW FREQUENCY DATA  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: HERRIOT, JAMES W.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MS 77  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2932 (FTS) 467-2932  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS IN TECTONOPHYSICS  
BRANCH  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
Total Bytes in DB: 200,000,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: PDP-11/03; PDP-11/44  
Computer Locations: MENLO PARK, CA  
Subject Coverage: LOW FREQUENCY SURFACE DEFORMATION  
MEASURED ALONG CALIFORNIA FAULT  
LINES  
2 - 80

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:  
US STATE; CALIFORNIA  
Sources of Data:  
INSTRUMENTATION IN THE FIELD  
Documentation:  
GEOLAB USER'S GUIDE  
Systems Which Access Data Base:  
GEOPHYSICAL LABORATORY  
Keywords:  
TECTONOPHYSICS; GEOPHYSICS; SEISMOLOGY; SURFACE DEFORMATION  
Definition/Description:  
SYSTEM COLLECTS RAW SURFACE DEFORMATION DATA FROM REMOTE  
INSTRUMENTS AND PRODUCES "CLEAN" SUMMARY DATA. BOTH ARE  
AVAILABLE ONLINE TO USERS.  
Comments:  
RAW DATA ONLINE FOR CURRENT CALENDAR YEAR. SUMMARY DATA  
ONLINE AT ALL OTHER TIMES.

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Data Base Name:	LUNAR CONSORTIUM
Acronym:	LUNARCON
DB Type:	SPATIAL
Structure:	IMAGE
Contact Person:	SODERBLOM, LAURENCE A.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 2255 N. GEMINI DRIVE FLAGSTAFF, AZ 86001
Telephone:	(602) 527-7018 (FTS) 765-7018
Spatial Data Type:	CYLINDRICAL PROJECTIONS
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1964 - PRESENT
Data Base Status:	OPERATIONAL
Users:	CONSORTIUM OF SCIENTISTS WHO CONTRIBUTED DATA; UNIVERSITIES
Availability for Use/Access:	UNLIMITED
Access Method:	BATCH
Output Media:	MAGNETIC TAPE
Storage Media:	MAGNETIC TAPE
Computer Makes and Models:	PDP-11/45; PDP-11/44
Computer Locations:	FLAGSTAFF, AZ
Languages:	FORTRAN
Subject Coverage:	GEOCHEMICAL, GEOPHYSICAL, AND GEOLOGICAL MEASUREMENTS OF THE MOON ON A GLOBAL SCALE

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

THE MOON

Sources of Data:

CONSORTIUM OF APPROXIMATELY 35 SCIENTISTS WHO SHARED THEIR  
LUNAR DATA APOLLO MISSIONS

Documentation:

TAPE HEADER INFORMATION

Keywords:

MOON; GEOCHEMICAL; GEOPHYSICAL; GEOLOGICAL; GAMMA RAY  
SPECTRA; X-RAY FLUORESCENCE SPECTRA; GRAVITY; MAGNETICS;  
BROAD BAND ALBEDO

Definition/Description:

GEOCHEMICAL, GEOPHYSICAL, AND GEOLOGICAL MEASUREMENTS OF  
THE MOON ON A GLOBAL SCALE. THE TYPES OF DATA INCLUDE  
GAMMA RAY SPECTRA, X-RAY FLUORESCENCE SPECTRA, RELATIVE  
AGE, GRAVITY, MAGNETICS, ELECTRON REFLECTION, BROAD-BAND  
ALBEDO, NARROW-BAND SPECTRAL REFLECTIVITY, AND LASER  
ALTIMETRY. EACH MEASUREMENT TYPE IS CONTAINED IN A  
SEPERATE DATA SET. EACH DATA SET IS AN ARRAY OF REAL  
FLOATING POINT NUMBERS IN A SIMPLE CYLINDRICAL PROJECTION  
COVERING 65 DEGREES LATITUDE AND 180 DEGREES LONGITUDE.  
BECAUSE MANY DATA SETS ONLY SPARSELY POPULATED THE IMAGE  
ARRAY, THEY WERE INTERPOLATED BY SPATIAL FILTERING INTO  
CONTINUOUS IMAGE.

\*\*\*\*\*

Data Base Name:

MARINE DATA INDEX - BIOLOGIC  
DESCRIPTION BIBLIOGRAPHIC  
REFERENCES

Acronym:

MRNIDX

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

RELATIONAL

Contact Person:

BOTBOL, JOSEPH M.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 (FTS) 837-4180

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

USGS GEOLOGISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

INTERACTIVE TERMINAL; PUBLICATION;  
MAPS



GEOLOGIC DIVISION  
DATA BASES

Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 82,000 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Geographical Coverage:  
REGIONAL US  
Sources of Data:  
DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation:  
LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base:  
GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords:  
DATA INDEX; MARINE DATA

Definition/Description:

THE MARINE DATA INDEX AND DATA BASE MANAGEMENT SYSTEM IS FOR THE INDEXING OF GEOPHYSICAL DATA COLLECTED OR PROCESSED BY THE OFFICE OF ENERGY AND MARINE GEOLOGY AND FOR SUPPLYING THE OUTSIDE USER WITH INFORMATION REGARDING THE LOCATION AND FORMAT OF THE DATA. THE INFORMATION MAY THEN BE USED TO LOCATE THOSE DATA TO BE PROCESSED, PLOTTED, OR PASSED ALONG TO OTHER AGENCIES. MRNIDX IS DESIGNED MAINLY FOR THE INDEXING OF DATA STORED ON MAGNETIC TAPE. HOWEVER, THE DATA BASE FORMAT MAY BE APPLIED TO DATA STORED IN OTHER FORMS (FOR EXAMPLE, DISK FILES, TI-CASSETTES, FLOPPY DISKS). MARINE DATA INDEX: DATA BASE DESCRIPTION, OPERATION, RETRIEVAL, AND DISPLAY BY F. PASKEVICH, USGS OPEN-FILE REPORT 82-397.

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Data Base Name: MARS CONSORTIUM  
Acronym: MARSCON  
DB Type: SPATIAL  
Structure: IMAGE  
Contact Person: KIEFFER, HUGH  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
2255 N. GEMINI DRIVE  
FLAGSTAFF, AZ 86001  
Telephone: (602) 527-7175 (FTS) 765-7175  
Spatial Data Type: CYLINDRICAL PROJECTIONS  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1971 - PRESENT  
Data Base Status: OPERATIONAL  
Users: CONSORTIUM OF CONTRIBUTORS;  
UNIVERSITIES

GEOLOGIC DIVISION  
DATA BASES

Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 11,532,000 BYTES  
Computer Makes and Models: PDP-11/45; PDP-11/44  
Computer Locations: FLAGSTAFF, AZ  
Languages: FORTRAN  
Subject Coverage: GLOBAL PROPERTIES OF MARS,  
INCLUDING GEOLOGY, VOLCANIC UNITS,  
CHANNELS, WIND FEATURES,  
TOPOGRAPHY, GRAVITY, APOAPSIS  
COLOR, PREDAWN TEMPERATURE  
RESIDUALS, THERMAL INERTIA,  
RADIOMETRIC AND SOLAR ALBEDO,  
WATER VAPOR ABUNDANCE

Geographical Coverage:

MARS

Sources of Data:

CONSORTIUM OF APPROXIMATELY 80 SCIENTISTS WHO HAVE SHARED  
THEIR MARS DATA (MARINER 9 AND VIKING)

Documentation:

TAPE HEADER INFORMATION

Keywords:

MARS; GLOBAL ARRAYS; GEOPHYSICAL; VOLCANIC UNITS; WIND  
FEATURES; MARS TOPOGRAPHY; MARS GRAVITY; APOAPSIS COLOR;  
THERMAL INERTIA; SOLAR ALBEDO

Definition/Description:

MARS DATA SETS FROM MANY SOURCES HAVE BEEN PUT INTO A  
COMMON DIGITAL FORMAT, AND GLOBAL MAPS AT CONSTANT SCALE  
HAVE BEEN PRODUCED. THESE FORMATTED DATA SETS FORM THE  
BASIS OF THE MARS CONSORTIUM. THEY CURRENTLY INCLUDE MAPS  
OF GEOLOGY, VOLCANIC UNITS, CHANNELS, WIND FEATURES,  
TOPOGRAPHY, GRAVITY, VIKING APPROACH AND APOAPSIS COLOR,  
PREDAWN TEMPERATURE RESIDUALS, THERMAL INERTIA,  
RADIOMETRIC AND SOLAR ALBEDO, WATER VAPOR ABUNDANCE,  
1.4-MICRON ALBEDO, CRATER ABUNDANCE, EARTH-BASED RADAR AND  
PHOTOGRAPHIC TELESCOPE OBSERVATIONS, AND TERRESTRIAL  
SPECTRAL OBSERVATIONS. THE GENERATION OF THESE DATA SETS  
IS BRIEFLY DESCRIBED. AS AN EXAMPLE OF THEIR USE, THE  
MAPPED GEOLOGIC UNITS ARE CHARACTERIZED IN TERMS OF COLOR,  
PREDAWN TEMPERATURE AND ELEVATION, AND UNUSUAL AREAS  
IDENTIFIED. THE OXIA PALUS REGION IS EXAMINED AS AN  
EXAMPLE OF COMBINING HIGHER RESOLUTION DATA WITH THE  
CONSORTIUM DATA SETS. USE OF THE EXISTING DATA SETS AND  
SUBMISSION OF NEW ONES ARE ENCOURAGED.

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: MENLO PARK ROCK MAGNETICS  
LABORATORY REMANENT MAGNETIZATION  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: GROMME, SHERMAN  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MS 18  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2226 (FTS) 467-2226  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1960 - PRESENT  
Data Base Status: OPERATIONAL  
Users: FIVE LOCAL SCIENTISTS  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: PUNCHED CARD  
No. of Records: 500,000 RECORDS  
Bytes per Record: 20 BYTES  
Total Bytes in DB: 10,000,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: VAX 11/780  
Computer Locations: MENLO PARK, CA  
Languages: FORTRAN  
DBMS: NONE  
Subject Coverage: RAW DATA MEASUREMENTS OF ROCK  
CORES MADE AT VARIOUS SITES IN  
WESTERN US, ALASKA, PRIBILOF  
ISLANDS.  
Geographical Coverage:  
WORLDWIDE; WESTERN US, ALASKA, PACIFIC ISLANDS  
Sources of Data:  
ANALYSIS OF CORE SAMPLES PERFORMED AT MENLO PARK MAGNETICS  
LABORATORY  
Documentation:  
INDEX TO CARDS

GEOLOGIC DIVISION  
DATA BASES

Keywords:

PALEOMAGNETISM; ROCK MAGNETICS LABORATORY; REMANENT  
MAGNETIZATION

Definition/Description:

DATA BASE TO SUPPORT ANALYSIS OF REMANENT MAGNETIZATION OF  
ROCK SPECIMENS

Comments:

DATA BASE PROCESSING BEING TRANSFERRED FROM MULTICS TO  
VAX. DATA ON CARDS TO BE REFORMATTED ONTO TAPE.

\*\*\*\*\*

Data Base Name:	METALLOGENIC STUDIES
Acronym:	METMAP
DB Type:	SPATIAL
Contact Person:	LEE, MICHAEL
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 920 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6451 (FTS) 928-6451
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1981 - PRESENT
Data Base Status:	OPERATIONAL
Users:	FOREIGN GEOLOGICAL SURVEYS; INDUSTRY; GOVERNMENT
Availability for Use/Access:	UNLIMITED
Output Media:	INTERACTIVE TERMINAL; BATCH COMPUTER PRINTOUT; PUNCHED CARDS
Storage Media:	MAGNETIC TAPE
No. of Records:	4,215 RECORDS
Bytes per Record:	160 BYTES
Total Bytes in DB:	674,400 BYTES
Computer Makes and Models:	HIS MULTICS
Computer Locations:	RESTON, VA
Languages:	FORTRAN IV
Subject Coverage:	MINERAL DEPOSIT DATA
Geographical Coverage:	REGIONAL US; NORTH AMERICAN CONTINENT
Sources of Data:	STATE AND FEDERAL PUBLICATIONS AND OPEN FILES

GEOLOGIC DIVISION  
DATA BASES

Documentation:

USGS CIRCULARS 858A,B

Keywords:

COMMODITY; HISTORY; MAP; METALLOGENIC; MINERAL RESOURCES;  
MINERALOGY

Definition/Description:

THE DATA BASE CONTAINS MINERAL DEPOSIT DATA COMPILED FOR  
THE PURPOSE OF SELECTIVE RETRIEVAL AND PLOTTING PRIMARILY  
AT A MAP SCALE OF 1:5,000,000.

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Data Base Name: MID-ATLANTIC CONTINENTAL SHELF  
Acronym: MASPAR  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
(617) 548-8700 (FTS) 837-4180  
Telephone:  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 7,980 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: SESTON DATA  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES

GEOLOGIC DIVISION  
DATA BASES

Systems Which Access Data Base:

GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM

Keywords:

MID-ATLANTIC CONTINENTAL SHELF; SESTON

Definition/Description:

USGS R/V GYRE 8/78, MID-ATLANTIC CONTINENTAL SHELF

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Data Base Name: MID-CONTINENT GRAVITY  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: KANE, MARTIN  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-2695 (FTS) 234-2695  
Keywords: GRAVITY  
Definition/Description: GRAVITY READINGS TAKEN IN THE FIELD FOR SPECIFIC POINTS  
ARE NORMALIZED AND CORRECTED. RAW DATA ARE AVAILABLE BY  
LATITUDE/LONGITUDE GRIDS.

\*\*\*\*\*

Data Base Name: MINERAL RESOURCES DATA BASE  
Acronym: MRDB  
DB Type: SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: MEDLIN, ANTOINETTE  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
920 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6455 (FTS) 928-6455  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE; UTM NORTHINGS  
AND EASTINGS  
Time Span: 1972 - PRESENT  
Data Base Status: OPERATIONAL  
Users: BUREAU OF LAND MANAGEMENT;  
TENNESSEE DIVISION OF GEOLOGY;  
TENNESSEE VALLEY AUTHORITY; U.S.  
FOREST SERVICE; U.S. GEOLOGICAL

GEOLOGIC DIVISION  
DATA BASES

Availability for Use/Access: SURVEY; MINING INDUSTRY  
Access Method: UNLIMITED  
Output Media: INTERACTIVE AND BATCH  
BATCH COMPUTER PRINTOUT;  
INTERACTIVE TERMINAL; MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 76,000 RECORDS  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
DBMS: GIPSY  
Subject Coverage: MINERAL RESOURCES LOCATIONS (MINES  
AND OCCURRENCES) COMMODITIES  
Geographical Coverage:  
WORLDWIDE  
Sources of Data:  
BUREAU OF LAND MANAGEMENT, SOUTH AFRICA MINERAL ATTACHE,  
STATE GEOLOGICAL SURVEYS, TENNESSEE VALLEY AUTHORITY, U.S.  
GEOLOGICAL SURVEY, WEST GERMANY GEOLOGICAL SURVEY  
Documentation:  
USGS CIRCULARS 681, 755A, 755B, UNIVERSITY OF OKLAHOMA  
GIPSY USERS' MANUAL, AND USGS OPEN-FILE REPORTS  
Systems Which Access Data Base:  
MINERAL RESOURCES DATA SYSTEM  
Keywords:  
COMMODITY; DEPOSIT; MINERAL RESOURCES; MINE  
Definition/Description:  
IN GENERAL, MRDB CONSISTS OF A SET OF RECORDS ON THE  
MINERAL DEPOSITS AND MINERAL COMMODITIES OF THE US AND, TO  
A CERTAIN EXTENT, OF THE WORLD. THE FILE IS ARRANGED TO  
ACCEPT THE BASIC INFORMATION NEEDED TO DESCRIBE A MINERAL  
DEPOSIT OR A GROUP OF RELATED DEPOSITS, SUCH AS A MINING  
DISTRICT. THE FILE IS FLEXIBLE, SO THAT WHAT CONSTITUTES  
A RECORD CAN BE DECIDED LARGELY BY THE USERS. HOWEVER,  
CERTAIN MINIMUM DATA ARE REQUIRED TO ESTABLISH A RECORD.  
ENTRIES ARE RIGIDLY FORMATTED OR CODED OR BOTH. THE  
ORGANIZATION OF THE FILE TOGETHER WITH THE PROGRAM USED  
PROVIDES FOR HIGHLY SELECTIVE RETRIEVALS. RETRIEVED  
INFORMATION CAN BE PRINTED IN ANY OF THREE ARRANGEMENTS,  
OR IT CAN BE PASSED TO A SUBSEQUENT PROGRAM FOR FURTHER  
PROCESSING (I.E., MAPS AND OTHER GRAPHICS).

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: MISSISSIPPI VALLEY SEISMOTECTONICS  
Acronym: MVST  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: SHEDLOCK, KAYE  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 966  
DENVER, CO 80225  
Telephone: (303) 234-5091  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: UNDER DEVELOPMENT  
Users: SEISMOLOGISTS OF USGS AND  
UNIVERSITIES  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION  
Storage Media: MAGNETIC TAPE  
Growth Rate: 0 PERCENT PER YEAR  
Computer Makes and Models: VAX 11/780  
Computer Locations: DENVER, CO  
Languages: DISCO  
Subject Coverage: SEISMIC DATA OF MISSISSIPPI RIVER  
Geographical Coverage: REGIONAL US; MISSISSIPPI RIVER IN NEW MADRID AREA  
Sources of Data: CRUISES MADE SPECIFICALLY FOR THE COLLECTION OF THESE DATA  
Documentation: "MISSISSIPPI RIVER SEISMIC SURVEY," GEOPHYSICAL RESEARCH  
LETTERS, AND SHERLOCK AND HARDING.  
Keywords: SEISMIC REFLECTION; MISSISSIPPI RIVER; NEW MADRID REGION  
Definition/Description: REFLECTION DATA OF THE CENTER OF THE MISSISSIPPI RIVER ON  
THE NEW MADRID REGION. RAW DATA ARE CHRONOLOGICAL,  
LATITUDE AND LONGITUDE ARE INCLUDED.  
Comments: THESE DATA WERE COLLECTED IN 1981.



GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: MONTANA GRAVITY  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: HANNA, WILLIAM F.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-2695 (FTS) 234-2695  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: GEOPHYSICISTS AND GEOLOGISTS  
CONDUCTING RESEARCH IN THE REGION  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: USGS OPEN-FILE REPORTS;  
PUBLICATION; WORLD DATA CENTER  
Storage Media: DISK  
Computer Makes and Models: HONEYWELL MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN  
Subject Coverage: GRAVITY READINGS IN WESTERN  
MONTANA, NORTHERN IDAHO REGION  
Geographical Coverage:  
REGIONAL US; WESTERN MONTANA AND NORTHERN IDAHO  
Sources of Data:  
FIELD READINGS  
Documentation:  
IN-HOUSE USER'S GUIDE, USGS OPEN-FILE REPORTS  
Keywords:  
GRAVITY; WESTERN MONTANA; GRAVITY STUDY; NORTHERN IDAHO;  
MINERAL EXPLORATION  
Definition/Description:  
GRAVITY READINGS TAKEN IN THE FIELD FOR SPECIFIC POINTS  
ARE NORMALIZED AND CORRECTED. RAW DATA ARE AVAILABLE BY  
LATITUDE/LONGITUDE GRIDS.  
Comments:  
PERSONS DESIRING COPIES OF THE RAW DATA WILL BE REFERRED  
TO THE WORLD DATA CENTER GRAVITY LIBRARY, NOAA, DEPARTMENT  
OF COMMERCE, BOULDER, CO.

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: NATIONAL EARTHQUAKE CATALOG  
Acronym: NEQCAT  
DB Type: COMPUTATIONAL/STATISTICAL;  
SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: TAGGART, JAMES N.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 967  
DENVER, CO 80225  
Telephone: (303) 234-5079 (FTS) 234-5079  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1534 - PRESENT  
Data Base Status: UNDER DEVELOPMENT  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 90,000 RECORDS  
Bytes per Record: 188 BYTES  
Total Bytes in DB: 16,920,000 BYTES  
Computer Makes and Models: VAX 11/780  
Computer Locations: GOLDEN, CO  
Languages: FORTRAN 77  
DBMS: NONE  
Subject Coverage: US HISTORICAL EARTHQUAKE DATA  
Geographical Coverage: US  
Sources of Data: ALL POSSIBLE SOURCES  
Keywords: EARTHQUAKE; SEISMIC ACTIVITY; EARTHQUAKE HISTORY  
Definition/Description: COLLECTION OF ALL AVAILABLE STATISTICS ON ALL REPORTED  
EARTHQUAKE ACTIVITY IN THE US. HISTORICAL DATA ARE  
INDEXED PRIMARILY ON DATE AND TIME OF EARTHQUAKE.  
Comments: SYSTEM HAS BEEN UNDER DEVELOPMENT FOR 3 YEARS. CURRENTLY  
TWO-THIRDS COMPLETE.

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: NATIONAL GRAVITY DATA SET  
Acronym: DMA DATA  
DB Type: SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: SWEENEY, RONALD  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-5526 (FTS) 234-5526  
Spatial Data Type: BOTH POINT AND GRID TYPE  
Coordinate System: LATITUDE/LONGITUDE; ALBERS  
PROJECTION  
Data Base Status: OPERATIONAL  
Users: GEOPHYSICISTS INVOLVED IN  
POTENTIAL FIELD STUDIES; GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
Total Bytes in DB: 50,000,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN  
DBMS: NONE  
Subject Coverage: GRAVITY DATA FOR THE CONTERMINOUS  
US  
Geographical Coverage:  
US; CONTERMINOUS 48 STATES  
Sources of Data:  
DEFENSE MAPPING AGENCY  
Documentation:  
US LAND GRAVITY, KEY TO GEOPHYSICAL RECORDS DOCUMENTATION  
NO. 18, NATIONAL GEOPHYSICAL DATA CENTER, 1982  
Keywords:  
GRAVITY; OBSERVED GRAVITY; FREE-AIR ANOMALY; BOUGUER  
ANOMALY  
Definition/Description:  
GRAVITY DATA FOR THE CONTERMINOUS US. CONTAINS DATA IN  
BOTH POINT (LATITUDE/LONGITUDE) AND GRID (ALBERS  
PROJECTION) FORMATS.

GEOLOGIC DIVISION  
DATA BASES

Comments:

DATA ARE IN BOTH POINT AND GRID FORMATS. USERS MAY SELECT.

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Data Base Name: NATIONAL MARINE FISHERIES  
BIOLOGICAL DATA  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 223,782 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: BIOLOGICAL DESCRIPTIONS  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: ATLANTIC MARGIN; MARINE BIOLOGY  
Definition/Description: US NATIONAL MARINE FISHERIES BIOLOGICAL DATA

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: NATIONAL URANIUM RESOURCE  
EVALUATION DATA BASE  
Acronym: NURE  
DB Type: SPATIAL  
Structure: RELATIONAL  
Contact Person: WAHL, RONALD R.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF URANIUM AND THORIUM RESOURCES  
DENVER FEDERAL CENTER  
MS 916  
DENVER, CO 80225  
Telephone: (303) 234-5150 (FTS) 234-5150  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1940 - PRESENT  
Data Base Status: IN TEST STAGE  
Users: DEPARTMENT OF ENERGY; U.S.  
GEOLOGICAL SURVEY, GEOLOGIC  
DIVISION, BRANCH OF ENERGY MINERALS  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: DISK  
No. of Records: 500 RECORDS  
Bytes per Record: 16,000 BYTES  
Total Bytes in DB: 8,000,000 BYTES  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: PL/1  
DBMS: MRDS  
Subject Coverage: LOCATIONS WHERE PEOPLE HAVE LOOKED  
FOR URANIUM  
Geographical Coverage: US  
Sources of Data: U.S. GEOLOGICAL SURVEY GEOLOGISTS, ENERGY RESEARCH AND  
DEVELOPMENT ADMINISTRATION  
Documentation: NONE

GEOLOGIC DIVISION  
DATA BASES

Keywords:

COMMODITY; DEPOSIT; RARE ELEMENT; URANIUM; URANIUM  
EXPLORATION; URANIUM MINE

Definition/Description:

THE NATIONAL URANIUM RESOURCE EVALUATION (NURE) DATA BASE  
WAS ESTABLISHED AS AN ADJUNCT TO THE NURE PROGRAM OF THE  
DEPARTMENT OF ENERGY AND THE GEOLOGICAL SURVEY'S ROLE IN  
THIS PROGRAM. DATA ARE BEING STORED FOR THE CONTERMINOUS  
48 STATES. NO DATA ARE PRESENTLY AVAILABLE FOR ALASKA AND  
HAWAII FOR INCLUSION IN THE DATA BASE. DATA ARE ENTERED  
AND RETRIEVED IN THE MINERAL RESOURCES DATA SYSTEM INPUT  
FORMAT TO ALLOW EASIER DATA EXCHANGE.

\*\*\*\*\*

Data Base Name:	NEVADA AND ARIZONA GRAVITY
DB Type:	SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	INDEXED SEQUENTIAL
Contact Person:	MOSS, CALVIN
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION DENVER FEDERAL CENTER MS 964 DENVER, CO 80225
Telephone:	(303) 234-2695 (FTS) 234-2695
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	GEOPHYSICISTS AND GEOLOGISTS CONDUCTING RESEARCH IN THE AREA
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	DISK
Computer Makes and Models:	HIS MULTICS
Computer Locations:	DENVER, CO
Languages:	FORTRAN
DBMS:	NONE
Subject Coverage:	GRAVITY READINGS IN NEVADA AND ARIZONA
Geographical Coverage:	US STATE; NEVADA AND ARIZONA

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

FIELD READINGS

Documentation:

IN-HOUSE USER'S GUIDE AND USGS OPEN-FILE REPORTS

Keywords:

GRAVITY; REGIONAL GRAVITY; MINERAL EXPLORATION; NEVADA;  
ARIZONA

Definition/Description:

GRAVITY READINGS TAKEN IN THE FIELD FOR SPECIFIC POINTS  
ARE NORMALIZED AND CORRECTED. RAW DATA ARE AVAILABLE BY  
LATITUDE/LONGITUDE GRIDS.

Comments:

PERSONS DESIRING COPIES OF THE RAW DATA WILL BE REFERRED  
TO THE WORLD DATA CENTER GRAVITY LIBRARY, NOAA, DEPARTMENT  
OF COMMERCE, BOULDER, CO.

\*\*\*\*\*

Data Base Name:

NEW MEXICO GRAVITY

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL

Structure:

INDEXED SEQUENTIAL

Contact Person:

CARDWELL, LYNN

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964

DENVER, CO 80225

Telephone:

(303) 234-2695 (FTS) (FTS) 234-2695

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

GEOPHYSICISTS AND GEOLOGISTS  
CONDUCTING RESEARCH IN THE STATE;  
GEOLOGIC MAPPERS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE AND BATCH

Output Media:

PUBLICATIONS; USGS OPEN-FILE  
REPORTS; WORLD DATA CENTER

Storage Media:

DISK

No. of Records:

20,000 RECORDS

Growth Rate:

3 PERCENT PER YEAR

Computer Makes and Models:

HONEYWELL MULTICS

Computer Locations:

DENVER, CO

Languages:

FORTTRAN

Subject Coverage:

GRAVITY READINGS FOR NEW MEXICO

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US; NEW MEXICO

Sources of Data:

FIELD READINGS

Documentation:

SOME IN-HOUSE USER'S GUIDES AND USGS OPEN-FILE REPORTS

Keywords:

GRAVITY CUSMAP; REGIONAL GRAVITY NEW MEXICO; MINERAL  
EXPLORATION

Definition/Description:

GRAVITY READINGS TAKEN IN THE FIELD FOR SPECIFIC POINTS  
ARE NORMALIZED AND CORRECTED. RAW DATA ARE AVAILABLE BY  
LATITUDE/LONGITUDE GRIDS.

Comments:

PERSONS DESIRING COPIES OF THE RAW DATA WILL BE REFERRED  
TO THE WORLD DATA CENTER GRAVITY LIBRARY, NOAA, DEPARTMENT  
OF COMMERCE, BOULDER, CO.

\*\*\*\*\*

Data Base Name:	NEWLY IDENTIFIED COAL RESOURCES OF THE UNITED STATES
Acronym:	NEWCOAL
DB Type:	SPATIAL
Structure:	UNSORTED SEQUENTIAL
Contact Person:	CARTER, M. DEVEREUX
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 956 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-7464 (FTS) 928-7464
Spatial Data Type:	COUNTY BASIS
Time Span:	1900 - PRESENT
Data Base Status:	OPERATIONAL
Users:	DEPARTMENT OF THE INTERIOR, OFFICE OF POLICY ANALYSIS; STATE GEOLOGICAL SURVEYS; US ARMY CORPS OF ENGINEERS; PRIVATE COMPANIES; OTHER FEDERAL AGENCIES; USGS GEOLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	INTERACTIVE TERMINAL; BATCH COMPUTER PRINTOUT
Storage Media:	DISK
No. of Records:	3,000 RECORDS
Bytes per Record:	112 BYTES
Total Bytes in DB:	336,000 BYTES



GEOLOGIC DIVISION  
DATA BASES

Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
DBMS: NONE  
Subject Coverage: COAL RESOURCES  
Geographical Coverage:  
    US; COAL-BEARING STATES  
Sources of Data:  
    PUBLISHED REPORTS (DATA SOURCE IS INDICATED ON EACH RECORD)  
Documentation:  
    NCRDS USER'S GUIDE  
Systems Which Access Data Base:  
    NATIONAL COAL RESOURCES DATA SYSTEM  
Keywords:  
    COAL; RESOURCES  
Definition/Description:  
    PUBLISHED COAL RESOURCE ESTIMATES FOR VARIOUS COAL-BEARING  
    STATES. DATA ELEMENTS ARE THE SAME AS THOSE FOR ECOAL AND  
    WCOAL. THIS IS A WORKING FILE FOR ALL NEW RESOURCE DATA  
    ENTRIES. THE RECORDS ARE STORED HEREIN UNTIL THEY CAN BE  
    INCORPORATED INTO ECOAL OR WCOAL. DATA ENTRY IN CONTINUAL.  
    CAUTION: THE TONNAGE ESTIMATES IN THIS FILE MAY  
    DUPLICATE OR OVERLAP ECOAL/WCOAL FILES. DO NOT ADD THESE  
    TONNAGES TO THOSE IN ECOAL/WCOAL WITHOUT CHECKING.  
Comments:  
    DATA TAPE AVAILABLE FROM THE NATIONAL GEOPHYSICAL DATA  
    CENTER IN BOULDER, CO

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Data Base Name: NICKEL/COBALT  
Acronym: NI/CO  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: GIPSY  
Contact Person: FOOSE, MICHAEL P.  
Address: U.S. GEOLOGICAL SURVEY  
          GEOLOGIC DIVISION  
          BRANCH OF EASTERN MINERAL RESOURCES  
          954 NATIONAL CENTER  
          RESTON, VA 22092  
Telephone: (703) 860-7356 (FTS) 928-7356  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: UNDER DEVELOPMENT  
Users: WORLDWIDE SCIENTIFIC COMMUNITY;  
          PRIMARY DATA CONTRIBUTORS;  
          INDUSTRIAL RESEARCH;  
          COMMERCIAL/ECONOMIC INTERESTS;

GEOLOGIC DIVISION  
DATA BASES

UNIVERSITY RESEARCH  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 2,000 RECORDS  
Computer Makes and Models: AMDAHL V7  
Computer Locations: RESTON, VA  
DBMS: GIPSY  
Subject Coverage: MAGMATIC SULFIDES (NICKEL, COPPER,  
AND PLATINUM-GRADE METALS)  
Geographical Coverage:  
WORLDWIDE  
Sources of Data:  
INTERNATIONAL GEOLOGIC COMMUNITY, INTERNATIONAL GEOLOGICAL  
CORRELATION PROGRAM (IGCP) #161 PARTICIPANTS  
Documentation:  
USER'S GUIDE  
Keywords:  
COPPER; DEPOSIT; MAGMATIC; NICKEL; PLATINUM; SULFIDE  
Definition/Description:  
FILE CURRENTLY BEING DEVELOPED BY INTERNATIONAL SCIENTIFIC  
COMMUNITY ON MAGMATIC SULFIDE TO MEET THE NEEDS OF IGCP  
161. THE FILE WILL FOCUS ON SULFIDE DEPOSITS CONTAINING  
NICKEL, COPPER, AND PLATINUM-GROUP METALS. DATA WILL BE  
ENTERED BY PARTICIPANTS FROM EACH PARTICIPATING COUNTRY  
AND WILL BE PUT IN A MRDS-TYPE SYSTEM.  
Comments:  
SEPARATE FILE TO BE USED AS INPUT TO MRDS. USERS WILL  
ACCESS VIA MRDS.

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Data Base Name: NORTHERN ROCKY MOUNTAIN GRAVITY  
DATA BASE  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: KLEINKOPF, DEAN  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-2695 (FTS) 234-2695  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1967 - PRESENT

GEOLOGIC DIVISION  
DATA BASES

Data Base Status: OPERATIONAL  
Users: GEOPHYSICISTS AND GEOLOGISTS  
CONDUCTING RESEARCH IN THE REGION;  
GEOLOGIC MAPPERS; UNIVERSITIES;  
MINING AND OIL COMPANIES;  
DEPARTMENT OF DEFENSE; DEFENSE  
MAPPING AGENCY; OTHER GOVERNMENT  
AGENCIES  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 20,000 RECORDS  
Growth Rate: 3 PERCENT PER YEAR  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN  
DBMS: NONE  
Subject Coverage: GRAVITY READINGS FOR NORTHERN  
ROCKY MOUNTAIN REGION  
Geographical Coverage:  
REGIONAL US; NORTHERN ROCKIES  
Sources of Data:  
FIELD READINGS  
Documentation:  
SOME IN-HOUSE USER'S GUIDES, APPROXIMATELY 15 USGS  
OPEN-FILE REPORTS  
Keywords:  
GRAVITY; REGIONAL GRAVITY; MINERAL EXPLORATION; CUSMAP;  
ROCKY MOUNTAIN REGION  
Definition/Description:  
GRAVITY READINGS TAKEN IN THE FIELD FOR SPECIFIC POINTS  
ARE NORMALIZED AND CORRECTED. RAW DATA ARE AVAILABLE FOR  
LATITUDE/LONGITUDE GRIDS.  
Comments:  
PERSONS DESIRING COPIES OF THE RAW DATA WILL BE REFERRED  
TO THE WORLD DATA CENTER GRAVITY LIBRARY, NOAA, DEPARTMENT  
OF COMMERCE BOULDER, CO.

\*\*\*\*\*

Data Base Name: NUCLEAR EVEN TIME HISTORIES AND  
COMPUTED SITE TRANSFER FUNCTIONS  
FOR THE LOS ANGELES AREA  
DB Type: COMPUTATIONAL/STATISTICAL;  
SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: INDEXED SEQUENTIAL

GEOLOGIC DIVISION  
DATA BASES

Contact Person: ROGERS, ALBERT M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 966  
DENVER, CO 80225  
Telephone: (303) 234-2869 (FTS) 234-2869  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE; SCHEME BASED  
ON GEOLOGY OF SITE TO GET WIDE  
DISTRIBUTION  
Time Span: 1975 - 1979  
Data Base Status: OPERATIONAL  
Users: CALIFORNIA INSTITUTE OF TECHNOLOGY;  
CALIFORNIA DIVISION OF MINES AND  
GEOLOGY  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
Total Bytes in DB: 400,000,000 BYTES  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN; PL/1  
DBMS: NONE  
Geographical Coverage:  
COUNTIES; LOS ANGELES AREA (SAN FERNANDO VALLEY, ORANGE  
COUNTY, ETC.)  
Sources of Data:  
A.M. ROGERS COLLECTED ALL DATA WITH SEISMOGRAPHS  
Keywords:  
NUCLEAR; TIME HISTORIES; SITE TRANSFER FUNCTIONS; GROUND  
RESPONSE  
Definition/Description:  
NUCLEAR EVENT TIME HISTORIES AND SITE TRANSFER FUNCTIONS  
AT SELECTED LOCATIONS IN LOS ANGELES

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Data Base Name: OIL SHALE DATA SYSTEM  
Acronym: OSDS  
DB Type: SPATIAL  
Contact Person: PITMAN, JANET K.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 939

GEOLOGIC DIVISION  
DATA BASES

Telephone: DENVER, CO 80225  
(303) 234-5121 (FTS) 234-5121  
Spatial Data Type: POLYGON  
Coordinate System: PUBLIC LAND SURVEY (SECTION,  
TOWNSHIP, AND RANGE)  
Time Span: 1950 - PRESENT  
Data Base Status: OPERATIONAL  
Users: BUREAU OF LAND MANAGEMENT; PRIVATE  
INDUSTRY; U.S. GEOLOGICAL SURVEY;  
MINERALS MANAGEMENT SERVICE  
Availability for Use/Access: LIMITED  
Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT;  
PUBLICATION  
Storage Media: DISK  
No. of Records: 3,000 RECORDS  
Total Bytes in DB: 1,050,000 BYTES  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN IV  
Subject Coverage: OIL SHALE FISCHER ASSAY AND SALINE  
MINERAL DATA  
Geographical Coverage:  
REGIONAL US; PICEANCE BASIN, COLORADO  
Sources of Data:  
BUREAU OF MINES, PRIVATE INDUSTRY  
Documentation:  
USGS OPEN-FILE REPORTS 75-341 AND 76-867, PITMAN AND SAXE,  
1978, NTIS REPORT, APPROVED BY THE DIRECTOR  
Keywords:  
FISCHER ASSAY; HISTORY; OIL SHALE; SALINE DATA; WELL CORE  
Definition/Description:  
THE DATA BASE CONSISTS OF OVER 400 SETS OF FISCHER ASSAY  
AND SALINE MINERAL DATA FOR WELL CORES FROM COLORADO AND  
UTAH. MUCH OF THE INFORMATION IS HELD ON A CONFIDENTIAL  
BASIS. EACH FILE CONSISTS OF CHEMICAL ANALYSES (PERCENT  
WATER, GAS, OIL, AND SPENT SHALE) FOR ONE WELL CORE. THE  
OIL SHALE AVERAGING PROGRAM USES THE DATA BASE TO COMPUTE  
THICKNESS, GRADE, AND RESOURCE FOR AN ENTIRE CORE OR  
SELECTED ZONE IN A CORE. LIMITED COMPUTER GRAPHICS ARE  
ALSO AVAILABLE.

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: OVERVIEW OF MULTICHANNEL SEISMIC  
DATA  
Acronym: CDPGEN  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Structure: RELATIONAL  
Contact Person: BOTBOL, JOSEPH M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF ENERGY AND MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 (FTS) 837-4180  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL; PUBLICATION;  
MAPS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 728 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: FORTRAN  
Subject Coverage: MULTICHANNEL SEISMIC DATA FROM  
EAST COAST MARGIN  
Geographical Coverage: REGIONAL US  
Sources of Data: DATA COLLECTED BY USGS OR USGS CONTRACTORS OR CRUISES  
Documentation: LOCAL DOCUMENTATION OF FILES  
Systems Which Access Data Base: GEOLOGIC RETRIEVAL AND SYNOPSIS PROGRAM  
Keywords: EAST COAST MARGIN; MULTICHANNEL SEISMICITY  
Definition/Description: OVERVIEW OF AVAILABLE MULTICHANNEL SEISMIC DATA FROM EAST  
COAST MARGIN

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: PACIFIC/ARCTIC MULTICHANNEL DATA  
Acronym: PAMCD  
DB Type: SCIENTIFIC; SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: MANN, DENNIS  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
MS 79  
345 MIDDLEFIELD ROAD  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2070 (FTS) 467-2070  
Spatial Data Type: LINE  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1975 - PRESENT  
Data Base Status: OPERATIONAL  
Users: NATIONAL OCEANIC AND ATMOSPHERIC  
ADMINISTRATION MARINE DATA BASE;  
DISTRIBUTOR OF PROCESSED DATA;  
USGS GEOLOGISTS AND GEOPHYSICISTS;  
OPEN-FILE PLOTS AND TAPES  
GENERALLY AVAILABLE  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: MICROFORM; MAGNETIC TAPE; PLOTS  
Storage Media: MAGNETIC TAPE; MICROFORM; PAPER  
COPY  
No. of Records: 1,422,798 RECORDS  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: DATA GENERAL; VAX  
Computer Locations: MENLO PARK, CA  
Languages: FORTRAN V; GD ASSEMBLER  
Subject Coverage: MARINE 24-CHANNEL SEISMIC-  
REFLECTION DATA (2400%-FOLD)  
Geographical Coverage:  
WORLDWIDE; OUTER CONTINENTAL SHELF AND ADJOINING MARGINS  
FROM THE BEAUFORT SEA AND SOUTH PACIFIC ISLANDS  
Sources of Data:  
MARINE 24-CHANNEL SEISMIC-REFLECTION DATA (2400%-FOLD)  
Documentation:  
NONE  
Keywords:  
MARINE; MULTICHANNEL; REFLECTION; SEISMIC; PACIFIC/ARCTIC

GEOLOGIC DIVISION  
DATA BASES

Definition/Description:

RAW FIELD TAPES CONTAIN PROCESSED, 2400-PERCENT,  
MULTICHANNEL SEISMIC DATA FOR SECTIONS FOR THE WEST COAST  
OF THE US FROM THE MEXICAN BORDER TO THE BEAUFORT SEA.  
THE TERM "DATA BASE" APPLIES TO THIS UNIT ONLY IN THE  
SENSE THAT MORE THAN ONE PERSON USES THE DATA FOR RESEARCH  
RELATED TO RESOURCE POTENTIAL, GEOLOGIC STRUCTURE, AND  
ENVIRONMENTAL FACTORS.

\*\*\*\*\*

Data Base Name: PALEOMAGNETIC DATA BASE  
Acronym: PALEOMAG  
DB Type: SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: ELSTON, DONALD P.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
2255 N. GEMINI DRIVE  
FLAGSTAFF, AZ 86001  
Telephone: (602) 779-3311 X 1544 (FTS) 765-1544  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1969 - PRESENT  
Data Base Status: OPERATIONAL  
Users: IN-HOUSE STUDY GROUP; USGS  
GEOPHYSICISTS; ANTARCTIC  
GEOPHYSICISTS; NEW ZEALAND  
GEOPHYSICISTS  
Availability for Use/Access: NOT AVAILABLE  
Access Method: INTERACTIVE AND BATCH  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
Computer Makes and Models: PDP-8; APPLE II  
Computer Locations: FLAGSTAFF, AZ  
Languages: FOCAL (UNIVERSITY OF WASHINGTON);  
BASIC  
Geographical Coverage:  
WORLDWIDE; POINTS IN NORTH AMERICA, ANTARCTIC, PUERTO  
RICO, WESTERN CORDILLERA  
Sources of Data:  
FIELD STUDIES OBTAIN ROCK CORES, WHICH ARE ANALYZED IN THE  
LABORATORY TO PRODUCE READINGS.



GEOLOGIC DIVISION  
DATA BASES

Documentation:

HARD COPY OF DATA ON EACH TAPE PLUS LABORATORY READINGS FROM WHICH THE DATA WERE DERIVED. BOOK COMPILED FROM ALL INFORMATION ON THE SITES AND DATA FOR EACH TAPE.

Keywords:

NATURAL REMANENT MAGNETIZATION; ANHYSTERETIC MAGNETIZATION; BELT SUPERGROUP; PROTEROZOIC; PUERTO RICO; GRAND CANYON; WESTERN CORDILLERA; INTRUSIVE ROCKS; VOLCANIC ROCKS; STRATIGRAPHY; WALKER LAKE; PALEOMAGNETIC MINERALIZED; ANTARCTIC; MAGNETOSTRATIGRAPHY; MACMURDO SOUND

Definition/Description:

PALEOMAGNETIC ANALYSIS OF CORE SAMPLES. THE DATA BASE CONSISTS OF FILES FOR EACH PROJECT AREA (FOR EXAMPLE, DRY VALLEYS IN MACMURDO SOUND, ANTARCTICA). THE DATA IN THE FILES ARE ORDERED BY SITE AND AGE OF ROCK. ONLY THE RAW DATA ARE MAINTAINED IN THE FILES. ANALYSES AND INTERPRETATIONS OF THE DATA ARE PUBLISHED REGULARLY BY D.P. ELSTON IN SCIENTIFIC PERIODICALS. THE RAW DATA ARE NOT DOCUMENTED FOR OUTSIDE USE AND ARE UNAVAILABLE. THE PUBLISHED ANALYSES ARE AVAILABLE TO THE PUBLIC.

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Data Base Name:	PERMIAN BASIN WELL AND RESERVE FILE
Acronym:	PBW/RF
DB Type:	SPATIAL
Contact Person:	DREW, LAWRENCE J.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF RESOURCE ANALYSIS 920 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6446 (FTS) 928-6446
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1908 - 1976
Users:	INTERAGENCY OIL AND GAS SUPPLY TASK FORCE PROJECT; U.S. GEOLOGICAL SURVEY, OFFICE OF RESOURCE ANALYSIS
Availability for Use/Access:	NOT AVAILABLE
Output Media:	MAGNETIC TAPE
Storage Media:	MAGNETIC TAPE
No. of Records:	208,000 RECORDS
Computer Makes and Models:	HIS MULTICS
Computer Locations:	RESTON, VA
Languages:	FORTRAN IV

GEOLOGIC DIVISION  
DATA BASES

Subject Coverage: PETROLEUM WELL INFORMATION  
Geographical Coverage:  
REGIONAL US; WESTERN TEXAS  
Sources of Data:  
PURCHASED FROM PETROLEUM INFORMATION, INC., DENVER, CO  
Documentation:  
NONE  
Keywords:  
PERMIAN BASIN; PETROLEUM WELL DATA  
Definition/Description:  
THERE ARE DATA ON 49 VARIABLES FOR EACH OF THE 208,000  
WELLS. THESE VARIABLES INCLUDE HOLE LOCATION, OPERATOR,  
SPUD AND COMPLETION DATES, LAKE CLASS, DEPTH, FLOW RATES,  
COMPUTER INTERVALS, FIELD CODE, NAME CODE, AND SHOW CODE.  
THIS INFORMATION IS USED TO FORECAST FUTURE RATES OF  
DISCOVERY OF PETROLEUM DEPOSITS IN THE PERMIAN BASIN.  
Comments:  
THIS DATA BASE HAS BEEN ARCHIVED TO TAPE.

\*\*\*\*\*

Data Base Name: PETROLEUM DATA SYSTEM  
Acronym: PDS  
DB Type: SPATIAL  
Contact Person: TAKAHASHI, KENNETH I.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF OIL AND GAS RESOURCES  
MS 971  
DENVER FEDERAL CENTER  
DENVER, CO 80225  
Telephone: (303) 234-3439 (FTS) 234-3439  
Spatial Data Type: FIELD  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1942 - PRESENT  
Data Base Status: OPERATIONAL  
Users: PETROLEUM INDUSTRY; FEDERAL  
AGENCIES; STATE GEOLOGICAL  
ACTIVITIES; INTERESTED PUBLIC  
Availability for Use/Access: UNLIMITED  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
No. of Records: 97,600 RECORDS  
Computer Makes and Models: GE MARK 3000 TIMESHARE SERVICE  
Computer Locations: UNIVERSITY OF OKLAHOMA, NORMAN, OK  
DBMS: GIPSY  
Subject Coverage: ANALYSIS OF CHEMICAL PROPERTIES OF

GEOLOGIC DIVISION  
DATA BASES

CRUDE OIL FROM SELECTED PRODUCING  
WELLS IN THE US. ANALYSIS OF  
CHEMICAL PROPERTIES OF PRODUCING  
NATURAL GAS SAMPLES. OIL AND GAS  
PRODUCTION DATA.

Geographical Coverage:

US; ALL FILES' GEOGRAPHICAL COVERAGE IS US NATIONWIDE  
EXCEPT PRODUCTION HISTORY FILE, WHICH COVERS ONLY THE  
STATE OF TEXAS.

Sources of Data:

DEPARTMENT OF ENERGY, INTERNATIONAL OIL SCOUTS ASSOCIATION  
(IOSA), US AND CANADIAN PUBLICATIONS OF OIL AND GAS  
PRODUCTION. SOME PUBLICATIONS ARE BY POOL, SOME BY FIELD.  
SUPPLEMENTAL DATA FROM OTHER COMMERCIAL AND FEDERAL  
SOURCES. MAINTAINED AND OPERATED BY THE UNIVERSITY OF  
OKLAHOMA.

Documentation:

PETROLEUM DATA SYSTEM INFORMATION SYSTEMS PROGRAM  
DOCUMENTATION, VOLUME I AND II, OFFICE OF RESEARCH  
ADMINISTRATION, UNIVERSITY OF OKLAHOMA, NORMAN, OK (3/77)

Keywords:

GAS; GAS ANALYSIS; NATURAL GAS; PETROLEUM; PETROLEUM  
INDUSTRY; ENERGY; OIL; OIL WELL; CRUDE OIL; WELL; HISTORY;  
PETROLEUM DATA SYSTEM; CANADA; POOL; PRODUCTION;  
RESERVOIR; ENERGY

Definition/Description:

THE PETROLEUM DATA SYSTEM DATA BASE CONSISTS OF FOUR MAJOR  
FILES: THE CRUDE OIL ANALYSIS FILE IS A SMALL FILE OF  
CHEMICAL ANALYSIS DATA ON PRODUCING OIL WELLS IN THE US.  
THE DATA ARE SUPPLIED BY THE DEPARTMENT OF ENERGY. THE  
NATURAL GAS ANALYSIS FILE IS A SMALL FILE OF CHEMICAL  
ANALYSIS DATA ON PRODUCING NATURAL GAS WELLS IN THE US.  
THE DATA ARE MAINTAINED AND PROVIDED FOR THE PETROLEUM  
DATA SYSTEM BY THE DEPARTMENT OF ENERGY. THE OIL AND GAS  
DATA FILE FOR THE UNITED STATES CONSISTS OF OVER 80,000  
RECORDS CONTAINING PUBLICLY AVAILABLE DATA ON PRODUCTION  
OF ALL FIELDS AND POOLS. DATA FOR EACH STATE ARE UPDATED  
ANNUALLY WITH PRODUCTION, WELL COUNTS, AND NEW DISCOVERIES  
FROM STATE RECORDS, SUPPLEMENTED WITH COMMERCIAL AND  
FEDERAL DATA SOURCES. THE DATA FOR CANADIAN OIL AND GAS  
PRODUCTION ARE COMPILED AND MAINTAINED BY THE OFFICE OF  
INFORMATION SYSTEMS PROGRAMS, ENERGY RESOURCE INSTITUTE,  
UNIVERSITY OF OKLAHOMA, UNDER USGS CONTRACT NUMBER  
14-08-0001-14796. THE PRODUCTION HISTORY FILE WAS  
DEVELOPED BY THE IOSA UNDER CONTRACT TO THE FEDERAL  
GOVERNMENT. THE DATA WERE UTILIZED TO CREATE THE DECLINE  
CURVE STUDY REQUIRED BY THE DEPARTMENT OF ENERGY. THE  
DATA CONSIST OF ANNUAL PRODUCTION FIGURES AND WELL COUNTS  
BY FIELD FOR THE YEARS 1942-1972.

GEOLOGIC DIVISION  
DATA BASES

Comments:

COORDINATE SYSTEM USED FOR ALL FILES IS STATE PLANE COORDINATES, THE OIL AND GAS PRODUCTION FILE, HOWEVER, USES LATITUDE AND LONGITUDE. TIME SPAN OF DATA IS AS FOLLOWS: HISTORY: 1942-1972, OIL AND GAS PRODUCTION: 1976-PRESENT, CRUDE: 1972-PRESENT, GAS ANALYSIS: 1971-1973. EACH OF THE FOUR FILES IN THIS DATA BASE FORMERLY EXISTED IN ITS OWN DATA BASE. RECENTLY THEY WERE CONSOLIDATED INTO ONE DATA BASE, PETROLEUM DATA SYSTEM.

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Data Base Name:	PETROLEUM WELL HISTORY CONTROL SYSTEM
Acronym:	WHCS
DB Type:	SPATIAL
Contact Person:	WALTON, RONALD J.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF ENERGY AND MARINE GEOLOGY MS 940 DENVER FEDERAL CENTER DENVER, CO 80225
Telephone:	(303) 234-6488 (FTS) 234-6488
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE; PUBLIC LAND SURVEY (SECTION, TOWNSHIP, AND RANGE)
Time Span:	1955 - PRESENT
Data Base Status:	OPERATIONAL
Users:	ACADEMIC INSTITUTIONS; ALL COMMERCIAL PETROLEUM COMPANIES; BUREAU OF LAND MANAGEMENT; STATE GEOLOGICAL SURVEYS; U.S. GEOLOGICAL SURVEY; MINERALS MANAGEMENT SERVICE; BUREAU OF MINES; CORPS OF ENGINEERS; DEPARTMENT OF ENERGY
Availability for Use/Access:	PROPRIETARY
Output Media:	INTERACTIVE TERMINAL; MAGNETIC TAPE; BATCH COMPUTER PRINTOUT; PUBLICATION; MICROFICHE
No. of Records:	1,500,000 RECORDS
Bytes per Record:	8,000 BYTES
Total Bytes in DB:	12,000,000,000 BYTES
Computer Locations:	PETROLEUM INFORMATION CORPORATION
Languages:	PROPRIETARY SOFTWARE; TECHSYS
DBMS:	MODEL 204

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US; ELEVEN REGIONAL SUBDIVISIONS OF US: WEST COAST/ALASKA, ROCKY MOUNTAIN, MIDCONTINENT, MICHIGAN BASIN, APPALACHIAN AND ILLINOIS BASINS, PERMIAN BASIN, GULF COAST-EAST TEXAS

Sources of Data:

PETROLEUM INFORMATION CORPORATION, P.O. BOX 2612, 1640 GRANT ST., DENVER, CO 80201, (303) 825-2181

Documentation:

WELL HISTORY CONTROL SYSTEM USER'S GUIDE, PETROLEUM INFORMATION CORP., NOV. 1975, WELL DATA TAPE STORAGE FORMAT, 10/27/75, PETROLEUM INFORMATION CORP.

Keywords:

ENERGY; OIL; OIL WELLS; PETROLEUM; WELL DATA; WELL HISTORY CONTROL SYSTEM

Definition/Description:

THE PETROLEUM WELL HISTORY CONTROL SYSTEM IS AN HISTORIC FILE OF MORE THAN 1,024,000 RECORDS, EACH REPRESENTING DATA OBTAINED IN DRILLING WELLS FOR PETROLEUM PRODUCTS. THE SYSTEM IS UPDATED MONTHLY FROM RECORDS SUBMITTED BY INDUSTRY COOPERATIVES. THE SYSTEM IS OWNED AND MAINTAINED BY THE PETROLEUM INFORMATION CORPORATION, A SUBSIDIARY OF A. C. NIELSEN CORPORATION, ALTHOUGH THE USGS HAS PURCHASED UNLIMITED RIGHTS TO THE FILE (SUBJECT ONLY TO PROTECTION OF PETROLEUM INDUSTRY PROPRIETARY INTERESTS). EXTRACTS FROM THE FILE ARE MADE PRIMARILY IN BATCH MODE BY THE PETROLEUM INDUSTRY. MICROFICHE OUTPUT IS ALSO AVAILABLE.

Comments:

THERE ARE ELEVEN OTHER (SMALLER) DATA BASES IN THE SYSTEM NOT INCLUDED IN THIS INVENTORY. NUMEROUS PUBLISHED REPORTS ARE AVAILABLE.

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Data Base Name:	PHYSICAL PROPERTIES OF PURE MINERALS
DB Type:	COMPUTATIONAL/STATISTICAL; SCIENTIFIC/TECHNICAL; SPATIAL
Structure:	RELATIONAL
Contact Person:	OLHOEFT, GARY
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION DENVER FEDERAL CENTER MS 964 DENVER, CO 80225
Telephone:	(303) 234-5390 (FTS) 234-5390
Data Base Status:	UNDER MODIFICATION
Users:	GEOPHYSICISTS NEEDING INFORMATION. ACCESS THROUGH GARY OLHOEFT.

GEOLOGIC DIVISION  
DATA BASES

Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: LINE PRINTER, INTERACTIVE SCREEN,  
GRAPHS  
Storage Media: DISK  
Total Bytes in DB: 8,000,000 BYTES  
Computer Makes and Models: HP 9845  
Computer Locations: GOLDEN, CO  
Languages: BASIC, ASSEMBLY LANGUAGE  
Subject Coverage: PHYSICAL PROPERTIES OF 800 PURE  
MINERALS  
Geographical Coverage:  
WORLDWIDE  
Sources of Data:  
SPECIMENS COLLECTED, BORROWED, CREATED, OR PURCHASED FOR  
ANALYSES  
Documentation:  
NONE  
Keywords:  
MINERAL; PHYSICAL PROPERTY; CHEMICAL ANALYSIS  
Definition/Description:  
PHYSICAL PROPERTIES OF PURE MINERALS. MINERAL SPECIMENS  
ARE PURCHASED, BORROWED, OR ACQUIRED BY OTHER MEANS.  
THEIR PHYSICAL PROPERTIES ARE MEASURED TO THE EXTENT  
POSSIBLE.

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Data Base Name: PHYSICAL PROPERTIES OF ROCKS  
DB Type: COMPUTATIONAL/STATISTICAL  
Structure: RELATIONAL  
Contact Person: OLHOEFT, GARY  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-5390 (FTS) 234-5390  
Time Span: 1975 - 1983  
Data Base Status: UNDER MODIFICATION  
Users: GEOPHYSICISTS VIA GARY OLHOEFT  
Availability for Use/Access: NOT AVAILABLE  
Access Method: INTERACTIVE  
Output Media: LINE PRINTER, USGS OPEN-FILE  
REPORTS  
Storage Media: DISK  
Total Bytes in DB: 10,000,000 BYTES

GEOLOGIC DIVISION  
DATA BASES

Computer Makes and Models: HP 9845  
Computer Locations: GOLDEN, CO  
Languages: BASIC, ASSEMBLY LANGUAGE  
Subject Coverage: PHYSICAL PROPERTIES OF ROCKS  
Geographical Coverage:  
WORLDWIDE; LOCATIONS OF ORIGINS OF ROCK SPECIMENS  
Sources of Data:  
VARIOUS LOCATIONS  
Keywords:  
ROCK; PHYSICAL PROPERTY; CHEMICAL ANALYSIS; PETROPHYSICAL  
LABORATORY  
Definition/Description:  
PHYSICAL PROPERTIES OF ROCKS MEASURED IN THE PETROPHYSICAL  
LABORATORY. DESIGNED TO COMPILE STATISTICS FROM THE DATA.

\*\*\*\*\*

Data Base Name: PROXIMATE AND ULTIMATE ANALYSES  
FOR SELECTED AREAS IN THE UNITED  
STATES  
Acronym: USALYT  
DB Type: SPATIAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: CARTER, M. DEVEREUX  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
956 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-7464 (FTS) 928-7464  
Spatial Data Type: COUNTY BASIS  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1900 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS; DEPARTMENT OF THE  
INTERIOR, OFFICE OF POLICY  
ANALYSIS; STATE GEOLOGICAL  
SURVEYS; PRIVATE COMPANIES; U.S.  
ARMY CORPS OF ENGINEERS; OTHER  
FEDERAL AGENCIES  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 4,000 RECORDS  
Growth Rate: 5 PERCENT PER YEAR  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA

GEOLOGIC DIVISION  
DATA BASES

Languages: FORTRAN IV  
DBMS: NONE  
Subject Coverage: CHEMICAL ANALYSES OF COAL SAMPLES  
Geographical Coverage:  
US; ALL STATES THAT CONTAIN COAL  
Sources of Data:  
PUBLICATIONS FROM STATES AND PRIVATE COMPANIES  
Documentation:  
NCRDS USER'S GUIDE  
Systems Which Access Data Base:  
NATIONAL COAL RESOURCES DATA SYSTEM  
Keywords:  
COAL; CHEMICAL ANALYSIS; PROXIMATE ANALYSES; ULTIMATE  
ANALYSES  
Definition/Description:  
SELECTED CHEMICAL ANALYSES OF COAL SAMPLES OTHER THAN  
THOSE FROM USGS OR USBM  
Comments:  
LIMITED DATA AVAILABLE. CONTAINS DATA FROM PRIVATE SOURCES  
AND PROBABLY NOT IN BMAlyT FILE

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Data Base Name: PUBLICATION MANUSCRIPTS DATA BASE  
Acronym: PUBMANUS  
DB Type: BIBLIOGRAPHIC  
Structure: UNSORTED SEQUENTIAL  
Contact Person: WATSON, JOHN M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF SCIENTIFIC PUBLICATIONS  
BRANCH OF EASTERN TECHNICAL REPORTS  
321 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6706 (FTS) 928-6706  
Time Span: 1890 - PRESENT  
Data Base Status: OPERATIONAL  
Users: GENERAL PUBLIC; U.S. GEOLOGICAL  
SURVEY; PUBLIC INQUIRIES OFFICES  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: INTERACTIVE TERMINAL  
Storage Media: DISK  
No. of Records: 18,000 RECORDS  
Growth Rate: 9 PERCENT PER YEAR  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: PL-1



GEOLOGIC DIVISION  
DATA BASES

DBMS: TARUS  
Subject Coverage: USGS PUBLICATIONS  
Geographical Coverage: WORLDWIDE  
Sources of Data: USGS DIVISIONS  
Systems Which Access Data Base: PUBLICATION MANUSCRIPTS SYSTEM  
Keywords: USGS PUBLICATIONS; PUBLICATIONS; GEOLOGICAL PUBLICATIONS  
Definition/Description: THE DATA BASE CONTAINS INFORMATION ON ALL USGS PUBLICATIONS FROM ABOUT 1890 TO THE PRESENT. NEW PUBLICATIONS ARE ADDED MONTHLY.

\*\*\*\*\*

Data Base Name: PUERTO RICO SEISMIC PROGRAM  
DB Type: SPATIAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: LANGER, CHARLES  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 966  
DENVER, CO 80224  
Telephone: (303) 234-5091 (FTS) 234-5091  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1974 - 1980  
Data Base Status: OPERATIONAL  
Users: USGS BRANCH OF EARTHQUAKE  
TECTONICS, UNIVERSITY OF PUERTO  
RICO  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: PAPER LISTINGS, REPORTS  
Storage Media: MAG TAPE, 16MM FILM  
Computer Makes and Models: HONEYWELL MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN  
Subject Coverage: HYPOCENTER LOCATION INFORMATION  
FROM PUERTO RICO SEISMIC NETWORK

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:  
WORLDWIDE; PUERTO RICO  
Sources of Data:  
SEISMIC NETWORK IN PUERTO RICO. SEVENTEEN DATA COLLECTION STATIONS.  
Documentation:  
USGS OPEN-FILE REPORTS AND GEOLOGICAL SURVEY CIRCULAR 821  
Keywords:  
PUERTO RICO; EARTHQUAKE; SEISMIC; SEISMIC NETWORK;  
HYPOCENTER; MICROSEISMICITY; SAN JUAN  
Definition/Description:  
TO COLLECT AND DISTRIBUTE DATA ACQUIRED FROM THE PUERTO RICO SEISMIC NETWORK IN ORDER TO FACILITATE CURRENT STUDIES OF EARTHQUAKE OCCURRENCE  
Comments:  
DATA COLLECTION SYSTEM WAS STARTED AGAIN IN FISCAL YEAR 1983.

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Data Base Name:	RADIOMETRIC AGE DATA BANK
Acronym:	RADB
DB Type:	SPATIAL
Contact Person:	MARVIN, RICHARD F.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION DENVER FEDERAL CENTER MS 963 DENVER, CO 80225
Telephone:	(303) 234-5531 (FTS) 234-5531
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1975 - PRESENT
Data Base Status:	UNDER DEVELOPMENT
Users:	AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, U.S. DEPARTMENT OF COMMERCE
Availability for Use/Access:	LIMITED
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE
No. of Records:	6,100 RECORDS
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	FORTRAN IV
DBMS:	GIPSY
Subject Coverage:	RADIOMETRIC AGES

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US STATE; WYOMING

Sources of Data:

USGS GEOLOGISTS AND VARIOUS GRANTS

Documentation:

NONE

Keywords:

AGE DETERMINATIONS; GEOLOGIC; RADIOMETRIC

Definition/Description:

THIS FILE IS USED TO PROVIDE INFORMATION CONCERNING RADIOMETRIC AGES. IT PROVIDES A RAPID METHOD FOR OBTAINING AGES FOR VARIOUS GEOLOGIC PERIODS AND SERVES AS A REFERENCE LIBRARY. A RECORD IN THIS FILE IS A SAMPLE FOR WHICH ANY OF FIVE AGE DETERMINATIONS HAVE BEEN MADE (K-AR, RB-SR, PB-ALPHA, FISSION TRACK, AND U-PB-TH). EACH RECORD CONTAINS DATA ABOUT LOCATION, COUNTRY, STATE, COUNTY, QUADRANGLE, LATITUDE, LONGITUDE, ROCK DESCRIPTION (PETROGRAPHIC NAME, DESCRIPTION OF MINERAL CONTENT, GEOLOGIC UNIT CODE, AGE CODE, AND PETROGRAPHIC CODE), ANALYTICAL SECTION (LABORATORY NUMBER, ROCK MATERIAL ANALYZED, AND RESULTS OF THE VARIOUS AGE DETERMINATION METHODS USED TO CALCULATE THE ACTUAL AGE), AND A REFERENCE SECTION.

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Data Base Name:

RESERVOIR INDUCED SEISMICITY

Acronym:

RIS

DB Type:

SCIENTIFIC/TECHNICAL

Structure:

UNSORTED SEQUENTIAL

Contact Person:

MARK, ROBERT K.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
MS 75

345 MIDDLEFIELD ROAD  
MENLO PARK, CA 94025

Telephone:

(415)323-8111 EXT 2059 (FTS) 467-2059

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

UNDER DEVELOPMENT

Users:

RESERVOIR INDUCED SEISMICITY  
PROJECT GROUP AT USGS, MENLO PARK

Availability for Use/Access:

NOT AVAILABLE

Access Method:

INTERACTIVE AND BATCH

Output Media:

BATCH COMPUTER PRINTOUT

Storage Media:

DISK

Total Bytes in DB:

720,000 BYTES

Growth Rate:

0 PERCENT PER YEAR

GEOLOGIC DIVISION  
DATA BASES

Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN; PL/1  
DBMS: NONE  
Subject Coverage: 1750 MAJOR DAMS AND RESERVOIRS OF  
WORLD CONTAINING 100 MILLION CUBIC  
METERS OF WATER OR MORE THAN 100 M  
HIGH

Geographical Coverage:  
WORLDWIDE; MAJOR DAMS AND RESERVOIRS OF THE WORLD AND  
THEIR SURROUNDING GEOLOGY

Sources of Data:  
INTERNATIONAL COMMISSION ON LARGE DAMS PUBLISHED  
INVENTORY. ARMY CORPS OF ENGINEERS. LITERATURE ON  
SEISMOLOGY

Documentation:  
NONE

Keywords:  
RESERVOIR; DAM; GEOLOGY; SEISMICITY

Definition/Description:  
INFORMATION ON LARGE RESERVOIRS AND DAMS OF THE WORLD THAT  
HAVE RECORDED SEISMICITY. DATA ARE CONTAINED IN SIX  
FILES: GEOLOGY OF THE RESERVOIR AND SURROUNDING AREA,  
LOCATION DATA, DAM SPECIFICATIONS (THAT IS, TYPE, HEIGHT,  
WATER DEPTH, CAPACITY), RESERVOIR SEISMICITY DATA, NAME  
CROSS REFERENCES, AND COMMENTS. THE SIX FILES WILL BE  
MERGED LATER.

Comments:  
AN OPEN-FILE REPORT ON THE DATA AND PROJECT ANALYSIS IS  
EXPECTED TO BE PUBLISHED IN 1983.

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Data Base Name: ROCK ANALYSIS STORAGE SYSTEM  
Acronym: RASS  
DB Type: SPATIAL  
Structure: RELATIONAL  
Contact Person: WILCH, LAMONT O.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 973  
DENVER, CO 80225  
Telephone: (303) 234-3366 (FTS) 234-3366  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE; UTM NORTHINGS  
AND EASTINGS; ARBITRARY X, Y  
COORDINATES

GEOLOGIC DIVISION  
DATA BASES

Time Span: 1965 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS, GEOLOGIC DIVISION GEOLOGISTS  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUBLICATION  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 500,000 RECORDS  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN IV; PL/1  
DBMS: MRDS  
Subject Coverage: MINERAL RESOURCE CHEMICAL  
INVESTIGATIONS

Geographical Coverage:  
US; COVERAGE CONSISTS OF THE US (INCLUDING PUERTO RICO)  
AND OFFSHORE

Sources of Data:  
GEOLOGIC DIVISION GEOLOGISTS AND CHEMISTS. MATERIAL  
SAMPLES COLLECTED BY GEOLOGISTS AND ANALYZED BY CHEMISTS  
USING SPECTROGRAPHIC AND WET-CHEMISTRY ANALYTICAL METHODS.

Documentation:  
NOT DOCUMENTED AT PRESENT TIME. NEW SYSTEM NOW BEING  
WRITTEN WILL BE DOCUMENTED BY THE CONTRACTOR, POTOMAC  
RESEARCH, INCORPORATED.

Keywords:  
AGE; ELEMENT; FIELD NUMBER; FORMATION; LATITUDE/LONGITUDE;  
MATERIAL CLASS; SAMPLE NUMBER; SAMPLE SOURCE; SAMPLE TYPE

Definition/Description:  
THE ROCK ANALYSIS STORAGE SYSTEM WAS DEVELOPED TO STORE  
AND RETRIEVE CHEMICAL ANALYSES USING GEOLOGIC AND LOCATION  
ATTRIBUTES AS QUERY PARAMETERS. SOME ATTRIBUTES ARE  
MATERIAL, SAMPLE TYPE, SAMPLE SOURCE, ROCK TYPE, GEOLOGIC  
AGE, ROCK NAME, FORMATION, AND LATITUDE AND LONGITUDE OR,  
IN SOME CASES, UTM. PARAMETERS OF THE CODING SCHEME PERMIT  
ONLY CERTAIN CHARACTERISTICS OF THE SAMPLE AND DO NOT  
PROVIDE FOR A FULL DESCRIPTION. OBVIOUSLY, ONLY OBSERVABLE  
CHARACTERISTICS CAN BE CODED AT THE TIME OF COLLECTION;  
HOWEVER, ADDITIONAL CODING OR CORRECTIONS CAN BE ENTERED  
INTO THE SYSTEM AT A LATER DATE. ALL ANALYTICAL RESULTS  
FOR EACH ELEMENT ARE STORED SEPARATELY ACCORDING TO THE  
METHOD AND UNIT OF MEASURE. THESE DATA ARE CONSEQUENTLY  
USED IN STATISTICAL ANALYSIS, PLOTTING ROUTINES, AND  
TERMINAL GRAPHICS.

GEOLOGIC DIVISION  
DATA BASES

Comments:

DATA STORED IN RASS MAY BE REQUESTED BY OTHER AGENCIES AS WELL AS BY THE PUBLIC SECTOR. THE REQUEST WILL BE HANDLED BY ROY MENDES ((303) 234-2438) OR STEVE MCDANAL ((303) 234-2361) IN DENVER, CO.

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Data Base Name: SAN FRANCISCO VOLCANIC FIELD  
Acronym: SFVF  
DB Type: COMPUTATIONAL/STATISTICAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: ULRICH, GEORGE  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
2255 N. GEMINI DRIVE  
FLAGSTAFF, AZ 86001  
Telephone: (602) 527-7149 (FTS) 765-7149  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE; UTM NORTHINGS  
AND EASTINGS; PUBLIC LAND SURVEY  
(SECTION, TOWNSHIP, AND RANGE)  
Data Base Status: OPERATIONAL  
Users: USGS VOLCANOLOGISTS  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: DISK  
No. of Records: 1,200 RECORDS  
Total Bytes in DB: 1,000,000 BYTES  
Growth Rate: 0 PERCENT PER YEAR  
Computer Makes and Models: HEWLETT PACKARD 86  
Computer Locations: FLAGSTAFF, AZ  
Languages: FORTRAN  
Subject Coverage: CHEMICAL COMPOSITION OF VOLCANIC  
ROCK SAMPLES  
Geographical Coverage:  
COUNTIES; SAN FRANCISCO VOLCANIC FIELD IN COCONINO COUNTY,  
ARIZONA  
Sources of Data:  
USGS LABORATORY ANALYSES OF ROCK SPECIMENS FROM THE FIELD

GEOLOGIC DIVISION  
DATA BASES

Documentation:

PROFESSIONAL PAPER IN PREPARATION, TO BE PUBLISHED IN 1984

Keywords:

VOLCANO; NORMATIVE MINERALS; CHEMICAL COMPOSITION; ELEMENT ANALYSIS

Definition/Description:

CHEMICAL ANALYSES OF ROCK SPECIMENS TAKEN FROM THE SAN FRANCISCO VOLCANIC FIELD IN ARIZONA. ANALYSES INCLUDE RAW MAJOR ELEMENT COMPOSITION, ADJUSTED MAJOR ELEMENT COMPOSITION, TRACE ELEMENT COMPOSITION, NORMATIVE MINERALS, POTASSIUM ARGON DATING, AND RUBIDIUM-STRONTIUM RATIOS. THE ANALYSES WERE PERFORMED IN USGS LABORATORIES. THE LABORATORY ID AND INITIALS OF THE ANALYST ARE MAINTAINED FOR THE MAJOR AND TRACE ELEMENT ANALYSES. PETROGRAPHIC INFORMATION IS INCLUDED ALONG WITH A ROCK CLASSIFICATION BASED ON THIS DATA AND A CLASSIFICATION BASED ON IT PLUS THE CHEMICAL ANALYSES.

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Data Base Name:	SEDIMENTATION LABORATORY
Acronym:	SEDLAB
DB Type:	SCIENTIFIC/TECHNICAL
Contact Person:	STEELE, WILLIAM C.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION MS 79 345 MIDDLEFIELD ROAD MENLO PARK, CA 94025
Telephone:	(415) 323-8111 EXT 2073 (FTS) 467-2073
Time Span:	1975 - PRESENT
Data Base Status:	UNDER DEVELOPMENT
Users:	USGS SEDIMENTATION SCIENTISTS
Availability for Use/Access:	NOT AVAILABLE
DBMS:	NONE
Subject Coverage:	ROCK ANALYSIS
Geographical Coverage:	WORLDWIDE; PACIFIC AND ARCTIC OCEANS
Sources of Data:	ANALYSIS OF SAMPLES COLLECTED. NO FORMAT YET.
Documentation:	NONE

GEOLOGIC DIVISION  
DATA BASES

Keywords:

SEDIMENTATION; BATHYMETRY; ROCK ANALYSIS

Definition/Description:

ROCK ANALYSIS OF CORE SAMPLES TAKEN DURING USGS CRUISES

Comments:

NOT YET AUTOMATED

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Data Base Name: SEISMIC DATA ANALYSIS SYSTEM  
Acronym: SEDAS  
DB Type: SPATIAL  
Contact Person: PRESGRAVE, BRUCE  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
NATIONAL EARTHQUAKE INFORMATION SERVICE  
DENVER FEDERAL CENTER  
MS 967  
DENVER, CO 80225  
Telephone: (303) 234-3994 (FTS) 234-3994  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1978 - 1979  
Data Base Status: OPERATIONAL  
Users: PRIVATE INDUSTRY; STATE  
GOVERNMENTS; UNIVERSITIES  
Availability for Use/Access: LIMITED  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 75,000 RECORDS  
Computer Makes and Models: VAX 11/780  
Computer Locations: GOLDEN, CO  
Languages: PL/1; FORTRAN  
Subject Coverage: EARTHQUAKE--SEISMIC DATA  
Geographical Coverage: WORLDWIDE  
Sources of Data:  
MONITORING STATIONS COLLECTING SEISMIC DATA FROM  
APPROXIMATELY 2100 STATIONS AROUND THE WORLD. INFORMATION  
IS PROCESSED TO DETERMINE THE EPICENTER AND MAGNITUDE OF  
EACH EARTHQUAKE.



GEOLOGIC DIVISION  
DATA BASES

Keywords:

EARTHQUAKE; HISTORY; NATIONAL EARTHQUAKE INFORMATION  
SERVICE; RECORDS; SEISMIC DATA; WORLDWIDE

Definition/Description:

THE NATIONAL EARTHQUAKE INFORMATION SERVICE (NEIS) IS RESPONSIBLE FOR COLLECTING SEISMIC DATA FROM VARIOUS MONITORING STATIONS AROUND THE WORLD, DETERMINING THE EPICENTER OF EACH EARTHQUAKE, AND PUBLISHING THE ORIGIN, TIME, LOCATION, DEPTH, MAGNITUDE, AND OTHER CHARACTERISTICS OF EACH EARTHQUAKE. THE NEIS IS LOCATED IN GOLDEN, CO, AND RECEIVES INFORMATION BY REAL-TIME DIRECT TRANSMISSION FROM MONITORING STATIONS, BY TELECOMMUNICATIONS FROM MONITORING CENTERS, BY AIRMAIL DELIVERY FROM STATIONS OUTSIDE THE US, BY DIRECT COMPUTER LINK, AND FROM OTHER SOURCES AVAILABLE. THE NEIS PROCESSES THE DATA AS SOON AS POSSIBLE IN ORDER TO DETERMINE THE EPICENTER AND MAGNITUDE OF EACH EARTHQUAKE. FOR SEVERE EARTHQUAKES, THE NEIS PROVIDES A QUICK EPICENTER DETERMINATION SERVICE IN ORDER TO MOBILIZE EMERGENCY AID FACILITIES. ADDITIONAL PROCESSING OF THE DATA TO DETERMINE VARIOUS EARTHQUAKE CHARACTERISTICS LEADS TO REGULARLY PUBLISHED REPORTS FROM THE U.S. GEOLOGICAL SURVEY, WHICH ARE DISTRIBUTED ON A WORLDWIDE BASIS TO EVERY INSTITUTE INVOLVED IN EARTHQUAKE RESEARCH. AMONG THESE ARE THE INTERNATIONAL SEISMOLOGICAL CENTRE (ISC) AND THE NOAA ENVIRONMENTAL DATA SERVICE, WHICH MAINTAIN HISTORIC RECORDS ON MOST KNOWN EARTHQUAKES. THE DATA ARE ACQUIRED FROM PARTICIPATING ANALOG AND DIGITAL SEISMIC RECORDING STATIONS, OF WHICH THERE ARE APPROXIMATELY 2100 AROUND THE WORLD. OF THESE, 700 TO 800 STATIONS ARE WITHIN THE US AND TRANSMIT THEIR SEISMIC READINGS DIRECTLY TO GOLDEN, CO. EACH SEISMIC RECORDING STATION IS LOCATED BY LATITUDE, LONGITUDE, AND ELEVATION. GEOGRAPHIC COORDINATES OF THESE STATIONS ARE DETERMINED FROM USGS TOPOGRAPHIC MAPS AND OTHER MAPS AS AVAILABLE. THE LOCATION OF STATIONS IN FOREIGN COUNTRIES, PARTICULARLY ALL OF THE RECORDING STATIONS IN THE USSR, IS LESS PRECISE THAN THAT OF STATIONS IN THE US.

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Data Base Name:	SESTON SAMPLE ANALYSES--PART 1 AND PART 2
DB Type:	SPATIAL
Contact Person:	BAILEY, NORMAN G.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION BRANCH OF ATLANTIC MARINE GEOLOGY

GEOLOGIC DIVISION  
DATA BASES

QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 EXT 175 (FTS) 837-4175  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1975 - 1977  
Data Base Status: UNDER DEVELOPMENT  
Users: BUREAU OF LAND MANAGEMENT;  
NATIONAL OCEANOGRAPHIC DATA  
CENTER/EDS/NOAA; USGS, BRANCH OF  
ATLANTIC MARINE GEOLOGY  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 2,668 RECORDS  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: MANUFACTURER-SUPPLIED SOFTWARE  
DBMS: GRASP  
Subject Coverage: WATER COLUMN INFORMATION,  
ENVIRONMENTAL STUDIES  
Geographical Coverage:  
REGIONAL US; ATLANTIC COASTAL WATERS  
Sources of Data:  
USGS SCIENTISTS AND TECHNICIANS, SESTON SAMPLES COLLECTED  
AT SEA DURING SCIENTIFIC CRUISES AND ANALYZED AT  
LABORATORIES OF THE WOODS HOLE OCEANOGRAPHIC INSTITUTION  
UNDER CONTRACT WITH THE U.S. GEOLOGICAL SURVEY.  
Documentation:  
NONE  
Keywords:  
AQUATIC MICROBIOLOGY; BIOLOGICAL OCEANOGRAPHY; CONTINENTAL  
SHELF; DISSOLVED ORGANIC SUBSTANCES; OCEANOGRAPHY; SEA  
WATER  
Definition/Description:  
THE SESTON ANALYSIS DATA HAVE BEEN FORMATTED AND ENTERED  
INTO COMPUTER STORAGE TO GET THE DATA IN MACHINE-READABLE  
FORM TO TRANSMIT TO THE NATIONAL OCEANOGRAPHIC DATA CENTER  
(NODC), IDS, NOAA IN CONFORMANCE WITH THE USGS/NOAA DATA  
ARCHIVING AGREEMENTS. THE FIRST HALF OF THE SESTON DATA  
BASE (SS1XXX) CONTAINS 16 FIELDS PLUS A KEY FIELD THAT  
ENABLES LINKING TO A SAMPLE COLLECTION DATA SET. THE  
SECOND HALF (SS2XXX) CONTAINS 11 FIELDS PLUS THE KEY FIELD.

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: SOIL ANALYSIS FOR DATING  
Acronym: SAD  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: SORTED SEQUENTIAL  
Contact Person: HARDEN, JENNIFER  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
MS 75  
345 MIDDLEFIELD ROAD  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2318 (FTS) 467-2318  
Spatial Data Type: GENERAL LOCATIONS  
Time Span: 1975 - 1983  
Data Base Status: OPERATIONAL  
Users: STUDY GROUP AT MENLO PARK, CA  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Output Media: PAPER, PUBLICATIONS, DATA FOR  
STATISTICAL ANALYSIS  
Storage Media: DISK  
Computer Makes and Models: HONEYWELL MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN  
Subject Coverage: SOIL DATING ANALYSIS  
Geographical Coverage:  
REGIONAL US; WESTERN US  
Sources of Data:  
FIELD DATA, USGS EXTRACTIVE ANALYSIS, UNIVERSITY OF  
CALIFORNIA ANALYTICAL LABORATORIES, USGS MENLO PARK AND  
DENVER OFFICES.  
Documentation:  
COMMENT IN CODE INTERACTION WITH USER  
Keywords:  
SOIL DATING; SOIL ANALYSIS  
Definition/Description:  
CHRONOSEQUENCE OF SOILS WITH CHEMICAL, MINERAL,  
PHYSIOLOGICAL, AND MORPHOLOGICAL PROPERTIES

GEOLOGIC DIVISION  
DATA BASES

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Data Base Name: SOUTH CAROLINA SEISMIC PROGRAM  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Contact Person: LANGER, CHARLES  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 966  
DENVER, CO 80225  
Telephone: (303) 234-5091 (FTS) 234-5091  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE; DEPTH  
Time Span: 1973 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS BRANCH OF ENGINEERING GEOLOGY  
AND TECTONICS; UNIVERSITY OF SOUTH  
CAROLINA  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: COMPUTER PRINTOUTS, REPORTS,  
INTERACTIVE QUERIES  
Storage Media: MAGNETIC TAPE; DISK  
Total Bytes in DB: 11,500,000 BYTES  
Computer Makes and Models: VAX 11/780  
Computer Locations: GOLDEN, CO  
Languages: FORTRAN  
Subject Coverage: HYPOCENTER LOCATION INFORMATION  
FROM SOUTH CAROLINA SEISMIC NETWORK  
Geographical Coverage:  
US; SOUTH CAROLINA  
Sources of Data:  
SEISMIC DATA COLLECTION FROM THE APPROXIMATELY 21 STATIONS  
OF THE SOUTH CAROLINA SEISMIC NETWORK  
Documentation:  
USGS OPEN-FILE REPORT 79-431  
Keywords:  
SOUTH CAROLINA; EARTHQUAKE; SEISMIC; SEISMIC NETWORK;  
HYPOCENTER; MICROSEISMICITY; CHARLESTON  
Definition/Description:  
TO COLLECT AND DISTRIBUTE DATA ACQUIRED FROM THE SOUTH  
CAROLINA SEISMIC NETWORK IN ORDER TO FACILITATE CURRENT  
STUDIES OF EARTHQUAKE OCCURRENCE

GEOLOGIC DIVISION  
DATA BASES

Comments:

RECORDS FOUR TO FIVE EARTHQUAKES PER YEAR. SYSTEM IS FUNDED BY NUCLEAR REGULATORY AGENCY. HYPOCENTRAL PARAMETERS ARE COMPUTED BY THE PROGRAM HYPOELLIPSE (USGS OPEN-FILE REPORT 79-431).

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Data Base Name: STANDARD USBM CHEMICAL ANALYSES  
Acronym: BMALYT  
DB Type: SPATIAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: CARTER, M. DEVEREUX  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
956 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-7464 (FTS) 928-7464  
Spatial Data Type: COUNTY BASIS  
Time Span: 1900 - PRESENT  
Data Base Status: OPERATIONAL  
Users: STATE GEOLOGICAL SURVEYS; PRIVATE  
COMPANIES; OTHER FEDERAL AGENCIES;  
USGS GEOLOGISTS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL  
Storage Media: DISK  
No. of Records: 55,000 RECORDS  
Bytes per Record: 136 BYTES  
Total Bytes in DB: 7,480,000 BYTES  
Growth Rate: 02 PERCENT PER YEAR  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV; PL/1  
Subject Coverage: COAL CHEMICAL ANALYSES  
Geographical Coverage:  
REGIONAL US; ALL COAL-BEARING STATES IN THE US  
Sources of Data:  
BUREAU OF MINES, DEPARTMENT OF ENERGY PUBLICATIONS  
Documentation:  
NCRDS USER'S GUIDE

GEOLOGIC DIVISION  
DATA BASES

Systems Which Access Data Base:

NATIONAL COAL RESOURCES DATA SYSTEM

Keywords:

CHEMISTRY; COAL; PROXIMATE ANALYSIS; ULTIMATE ANALYSIS

Definition/Description:

STANDARD BUREAU OF MINES CHEMICAL ANALYSES (PROXIMATE, ULTIMATE, BTU, ASH SOFTENING TEMPERATURE, FREE SWELLING INDEX, AND HARDGROVE GRINDABILITY INDEX) ON CHANNEL, TIPPLE, AND DELIVERED COAL SAMPLES. ANALYSES ARE LOCATED BY STATE, COUNTY, NEAREST TOWN AND MINE CODES, AND COAL BED. RANK HAS BEEN CALCULATED BY FORMULAS OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS.

Comments:

DATA TAPE AVAILABLE FROM THE NATIONAL GEOPHYSICAL DATA CENTER IN BOULDER, CO

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Data Base Name:

STATION/SAMPLE COLLECTION

Acronym:

STA004

DB Type:

SPATIAL

Contact Person:

BAILEY, NORMAN G.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF ATLANTIC MARINE GEOLOGY  
QUISSETT CAMPUS

Telephone:

WOODS HOLE, MA 02543  
(617) 548-8700 EXT 175 (FTS) 837-4175

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Time Span:

1975 - 1978

Data Base Status:

UNDER DEVELOPMENT

Users:

BUREAU OF LAND MANAGEMENT;  
NATIONAL OCEANOGRAPHIC DATA  
CENTER/EDS/NOAA; NATIONAL  
GEOPHYSICAL DATA CENTER/EDS/NOAA;  
U.S. GEOLOGICAL SURVEY, BRANCH OF  
ATLANTIC MARINE GEOLOGY

Availability for Use/Access: LIMITED

Output Media:

MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

2,460 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

HP21MX RTE-4 SYSTEM; FILE MANAGER  
AND EDITOR PROGRAMS

DBMS:

GRASP

GEOLOGIC DIVISION  
DATA BASES

Subject Coverage: ENVIRONMENTAL ASSESSMENT  
INFORMATION

Geographical Coverage:  
REGIONAL US; US EAST COAST--CONTINENTAL SHELF AND SLOPE

Sources of Data:  
USGS SCIENTISTS AND TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES

Documentation:  
NONE

Keywords:  
CONTINENTAL SHELF; CONTINENTAL SLOPE; MARINE GEOLOGY;  
OCEANOGRAPHY

Definition/Description:  
CONTAINS 17 FIELDS PLUS A KEY FIELD TO ENABLE LINKAGE TO  
VARIOUS ANALYTICAL DATA SETS. THE DATA ARE COMPUTERIZED  
TO ENABLE TRANSMITTAL IN MACHINE-READABLE FORM TO THE  
OCEANOGRAPHIC (NODC) AND MARINE GEOLOGICAL/GEOPHYSICAL  
(NGDC) DATA CENTERS IN CONFORMANCE WITH THE USGS/NOAA DATA  
ARCHIVING AGREEMENTS.

\*\*\*\*\*

Data Base Name: STATISTICAL PACKAGE

Acronym: STATPAC

DB Type: COMPUTATIONAL/STATISTICAL

Structure: INDEXED SEQUENTIAL

Contact Person: VAN TRUMP, GEORGE

Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 925  
DENVER, CO 80225

Telephone: (303) 234-2758 (FTS) 234-2758

Spatial Data Type: POINT

Coordinate System: LATITUDE/LONGITUDE

Time Span: 1965 - PRESENT

Data Base Status: OPERATIONAL

Users: USGS GEOLOGIC DIVISION GEOLOGISTS

Availability for Use/Access: UNLIMITED

Access Method: INTERACTIVE AND BATCH

Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT

Storage Media: DISK

Computer Makes and Models: HIS MULTICS

Computer Locations: DENVER, CO; RESTON, VA

Languages: FORTRAN

DBMS: NONE

Subject Coverage: MINERAL RESOURCE CHEMICAL  
INVESTIGATIONS

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GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

US; COVERAGE CONSISTS OF THE US (INCLUDING PUERTO RICO)  
AND OFFSHORE

Sources of Data:

GEOLOGIC DIVISION GEOLOGISTS AND CHEMISTS, MATERIAL  
SAMPLES COLLECTED BY GEOLOGISTS AND ANALYZED BY CHEMISTS  
USING SPECTROGRAPHIC AND WET-CHEMISTRY ANALYTICAL METHODS

Documentation:

USER'S GUIDE. EACH PROGRAM IS WELL DOCUMENTED.

Keywords:

LAT GEODETIC LOCATION; LONG GEOCHEMICAL DATA; ELEMENT;  
AGE; LATITUDE; LONGITUDE; FIELD NUMBER; FORMATION;  
MATERIAL CLASS; SAMPLE NUMBER; SAMPLE SOURCE; SAMPLE TYPE

Definition/Description:

SAME BASIC STORED DATA CONTAINED IN RASS BUT WITHOUT THE  
ADMINISTRATIVE DATA

Comments:

IF YOU HAVE ACCESS TO MULTICS, STATPAC IS AVAILABLE TO YOU.

\*\*\*\*\*

Data Base Name:	STRATIGRAPHIC INFORMATION RELATING TO COAL RESOURCES OF THE UNITED STATES
Acronym:	USTRAT
DB Type:	SPATIAL
Contact Person:	CARTER, M. DEVEREUX
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION 956 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-7464 (FTS) 928-7464
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1974 - PRESENT
Data Base Status:	OPERATIONAL
Users:	DEPARTMENT OF THE INTERIOR, OFFICE OF POLICY ANALYSIS; STATE GEOLOGICAL SURVEYS; U.S. ARMY CORPS OF ENGINEERS; PRIVATE COMPANIES; OTHER AGENCIES; USGS GEOLOGISTS
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	INTERACTIVE TERMINAL
Storage Media:	DISK
No. of Records:	65,000 RECORDS



GEOLOGIC DIVISION  
DATA BASES

Bytes per Record: 200 BYTES  
Total Bytes in DB: 13,000,000 BYTES  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
Subject Coverage: COAL STRATIGRAPHY  
Geographical Coverage:  
REGIONAL US; ALL COAL-BEARING STATES IN THE US  
Sources of Data:  
COMPANIES, STATE GEOLOGICAL SURVEY GEOLOGISTS, USGS  
GEOLOGISTS  
Documentation:  
NCRDS USER'S GUIDE  
Systems Which Access Data Base:  
NATIONAL COAL RESOURCES DATA SYSTEM  
Keywords:  
COAL; DRILL HOLE; STRATIGRAPHY  
Definition/Description:  
THE DATA BASE CONTAINS STRATIGRAPHIC INFORMATION ON  
COAL-BEARING ROCKS IN THE US FROM DRILL HOLE RECORDS AND  
SECTION MEASUREMENTS. IT INCLUDES DATA ON LATITUDE AND  
LONGITUDE, IDENTIFICATION, THICKNESS, NAME OF UNIT,  
LITHOLOGY, COLOR, GRAIN SIZE AND SHAPE, MINERALOGY,  
BEDDING, CONTACT, FOSSILS, FRACTURES, JOINTS, AND CLEATS.  
Comments:  
DATA TAPE AVAILABLE FROM THE NATIONAL GEOPHYSICAL DATA  
CENTER IN BOULDER, CO

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Data Base Name: STRONG MOTION INFORMATION  
RETRIEVAL SYSTEM  
Acronym: SMIRS  
DB Type: SPATIAL; SCIENTIFIC/TECHNICAL;  
BIBLIOGRAPHIC  
Structure: HIERARCHIC  
Contact Person: CONVERSE, APRIL  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF SEISMIC ENGINEERING  
MS 78  
345 MIDDLEFIELD ROAD  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2381 (FTS) 467-2881  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1932 - PRESENT  
Data Base Status: OPERATIONAL

GEOLOGIC DIVISION  
DATA BASES

Users: STATE GOVERNMENTS; UNIVERSITIES;  
PRIVATE INDUSTRY

Availability for Use/Access: UNLIMITED

Access Method: INTERACTIVE

Output Media: INTERACTIVE ACCESS

Storage Media: DISK

No. of Records: 8,000 RECORDS

Computer Makes and Models: HIS MULTICS

Computer Locations: DENVER, CO

Languages: FORTRAN; PL/1

Subject Coverage: EARTHQUAKES--STRONG MOTION

Geographical Coverage:  
US; ALL SIGNIFICANT STRONG MOTION ACCELEROGRAMS RECORDED  
IN THE US

Sources of Data:  
USGS PERSONNEL IN THE BRANCH OF SEISMIC ENGINEERING

Documentation:  
CONVERSE, APRIL, 1978, STRONG MOTION INFORMATION RETRIEVAL  
SYSTEM USER'S MANUAL: USGS OPEN-FILE REPORT 79-289, 51 P.  
CONVERSE, APRIL, 1979, SMIRS UPDATE, MAINTENANCE AND  
PROGRAMMING MANUAL: UNPUBLISHED REPORT.

Keywords:  
ACCELEROGRAM; EARTHQUAKE ENGINEERING; SEISMIC ENGINEERING;  
STRONG MOTION DATA

Definition/Description:  
DESCRIPTIONS OF STRONG MOTION ACCELEROGRAM RECORDS AND THE  
CIRCUMSTANCES IN WHICH THE RECORDS THAT WERE RECORDED ARE  
MADE AVAILABLE TO PERSONS INVOLVED IN EARTHQUAKE  
ENGINEERING THROUGH THIS SYSTEM. IT PROVIDES READY ACCESS  
TO INFORMATION ABOUT STRONG MOTION RECORDS AND THE LEVEL  
OF PROCESSING AND ANALYSIS THAT HAVE BEEN PERFORMED ON  
THEM. INFORMATION ABOUT EACH EARTHQUAKE THAT TRIGGERED  
RECORDED MOTION AND ABOUT THE SITES AT WHICH THE MOTION  
WAS RECORDED IS ALSO PROVIDED. THE INFORMATION HAS BEEN  
ARRANGED INTO SEVERAL DATA SETS. THE THREE MAJOR DATA  
SETS ARE THE RECORD DESCRIPTIONS, THE EARTHQUAKE  
DESCRIPTIONS, AND THE RECORDING SITE DESCRIPTIONS.  
SUPPLEMENTARY DATA SETS INCLUDE INSTRUCTIONS AND  
INFORMATION ABOUT THE DATA BASE, INFORMATION ABOUT THE  
RECORDING INSTRUMENTS, AND IDENTIFICATION OF ORGANIZATIONS  
THAT OWN STRONG MOTION INSTRUMENTS, THAT HAVE ADDITIONAL  
INFORMATION ABOUT THE RECORDING SITES, OR THAT ARCHIVE THE  
ORIGINAL OR PROCESSED RECORDS. WITH AN ORDINARY TELEPHONE  
LINE AND A KEYBOARD TERMINAL, USERS OF THE SYSTEM MAY  
REVIEW THE INFORMATION FROM THEIR OWN OFFICES, FREE OF  
CHARGE. INSTRUCTIONS ARE AVAILABLE FROM THE SYSTEM  
ITSELF. A USER NEEDS TO KNOW ONLY HOW TO DIAL THE  
COMPUTER AND WHAT TO TYPE TO ENTER THE RETRIEVAL SYSTEM.  
ONCE ACCESSED, THE SYSTEM WILL OFFER A GENERAL

GEOLOGIC DIVISION  
DATA BASES

INTRODUCTION AND WILL TELL THE USER HOW TO REQUEST MORE DETAILED INSTRUCTIONS. THE USER WILL ALSO BE GIVEN AN OPPORTUNITY TO REQUEST THAT A COPY OF THE PRINTED USER'S MANUAL BE MAILED TO HIM.

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Data Base Name: SUBSURFACE INTERFACE RADAR DATA  
DB Type: SPATIAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: OLHOEFT, GARY  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
DENVER FEDERAL CENTER  
MS 964  
DENVER, CO 80225  
Telephone: (303) 234-5390 (FTS) 234-5390  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1976 - PRESENT  
Data Base Status: UNDER MODIFICATION  
Users: GEOTECHNICAL COMMUNITY INTERFACING  
WITH GARY OLHOEFT  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 6,000,000,000 BYTES  
Growth Rate: 30 PERCENT PER YEAR  
Computer Makes and Models: HP 9845 WITH AP445 ARRAY PROCESS  
RACAL DANA TAPE RECORDER  
Computer Locations: GOLDEN, CO  
Languages: ASSEMBLY LANGUAGE; BASIC  
DBMS: NONE  
Subject Coverage: SUBSURFACE CROSS SECTIONS  
Geographical Coverage: US; NORTH AMERICA AND HAWAII  
Sources of Data: FIELD SURVEYS PERFORMED BY USGS RADAR SET TOWED WITH TRUCK  
ACROSS GROUND  
Keywords: SUBSURFACE; CROSS-SECTION; RADAR; ELECTROMAGNETISM;  
GEOPHYSICS

GEOLOGIC DIVISION  
DATA BASES

Definition/Description:

100- AND 450-MHZ TRAVERSE PROFILES OR CROSS SECTIONS  
ACQUIRED BY SUBSURFACE INTERFACE RADAR

Comments:

RAW DATA RECORDED ON FM TAPE RECORDER AND PROCESSED ON HP  
9845 WITH ARRAY PROCESSOR

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Data Base Name: SUSPENDED MATTER  
Acronym: SUSMAT  
DB Type: SPATIAL  
Contact Person: BAILEY, NORMAN G.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF ATLANTIC MARINE GEOLOGY  
QUISSETT CAMPUS  
WOODS HOLE, MA 02543  
Telephone: (617) 548-8700 EXT 175 (FTS) 837-4175  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1975 - 1975  
Data Base Status: UNDER DEVELOPMENT  
Users: BUREAU OF LAND MANAGEMENT;  
NATIONAL OCEANOGRAPHIC DATA  
CENTER/EDS/NOAA; U.S. GEOLOGICAL  
SURVEY, BRANCH OF ATLANTIC MARINE  
GEOLOGY  
Availability for Use/Access: LIMITED  
Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 823 RECORDS  
Bytes per Record: 132 BYTES  
Total Bytes in DB: 108,636 BYTES  
Computer Makes and Models: HP 1000  
Computer Locations: WOODS HOLE, MA  
Languages: HP21MX RTE-4 SYSTEM; FILE MANAGER  
AND EDITOR PROGRAMS  
Subject Coverage: WATER COLUMN INFORMATION,  
ENVIRONMENTAL STUDIES  
Geographical Coverage: REGIONAL US; ATLANTIC COAST

GEOLOGIC DIVISION  
DATA BASES

Sources of Data:

USGS SCIENTISTS OR TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES

Documentation:

NONE

Keywords:

CONTINENTAL SHELF; GEOLOGIC PROCESSES; OCEAN BOTTOM;  
OCEANOGRAPHY; SEA WATER; SEDIMENTOLOGY

Definition/Description:

CONTAINS 19 FIELDS OF INFORMATION PLUS A KEY FIELD FOR  
LINKAGE TO A SAMPLE COLLECTION DATA SET NAMED STA004

\*\*\*\*\*

Data Base Name:

SUSPENDED SEDIMENTS

Acronym:

SUSED

DB Type:

SPATIAL

Contact Person:

BAILEY, NORMAN G.

Address:

U.S. GEOLOGICAL SURVEY

GEOLOGIC DIVISION

BRANCH OF ATLANTIC MARINE GEOLOGY

QUISSETT CAMPUS

WOODS HOLE, MA 02543

Telephone:

(617) 548-8700 EXT 175 (FTS) 837-4175

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

UNDER DEVELOPMENT

Users:

BUREAU OF LAND MANAGEMENT;

NATIONAL OCEANOGRAPHIC DATA

CENTER/EDS/NOAA; U.S. GEOLOGICAL

SURVEY, BRANCH OF ATLANTIC MARINE

GEOLOGY

Availability for Use/Access: LIMITED

Output Media:

MAGNETIC TAPE; BATCH COMPUTER

PRINTOUT

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

29 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

HP21MX RTE-4 SYSTEM; FILE MANAGER

AND EDITOR PROGRAMS

Subject Coverage:

WATER COLUMN INFORMATION,

ENVIRONMENTAL STUDIES

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US; ATLANTIC COAST

Sources of Data:

USGS SCIENTISTS AND TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES

Documentation:

NONE

Keywords:

CONTINENTAL SHELF; GEOLOGIC PROCESSES; OCEAN BOTTOM;  
OCEANOGRAPHY; SEA WATER; SEDIMENTOLOGY

Definition/Description:

CONTAINS 15 FIELDS OF DATA PLUS A KEY FIELD FOR LINKAGE TO  
A SAMPLE COLLECTION DATA SET CALLED STA004

Comments:

THESE DATA WERE COLLECTED IN 1975.

\*\*\*\*\*

Data Base Name:

TAPE ARCHIVE MARINE DATA BASE

Acronym:

TAM

DB Type:

SCIENTIFIC/TECHNICAL

Structure:

SORTED SEQUENTIAL

Contact Person:

STEELE, WILLIAM C.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
MS 79

345 MIDDLEFIELD ROAD

MENLO PARK, CA 94025

Telephone:

(415) 323-8111 EXT 2073 (FTS) 467-2073

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Time Span:

1960 - PRESENT

Data Base Status:

OPERATIONAL

Users:

SCIENTISTS NEEDING DATA FROM  
CRUISES; DPL PERSONNEL, ARCTIC  
BRANCH

Availability for Use/Access:

LIMITED

Access Method:

INTERACTIVE AND BATCH

Output Media:

MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT

Total Bytes in DB:

6,000,000,000 BYTES

Growth Rate:

20 PERCENT PER YEAR

Computer Makes and Models:

HIS MULTICS

Computer Locations:

DENVER, CO

Languages:

FORTRAN; PL/1; BASIC

DBMS:

NONE

Subject Coverage:

BATHYMETRY, NAVIGATION, GRAVITY  
AND MAGNETIC DATA ACQUIRED DURING  
CRUISES CONDUCTED FOR THIS PURPOSE

GEOLOGIC DIVISION  
DATA BASES

Geographical Coverage:

WORLDWIDE; UNDERSEA BATHYMETRY DATA

Sources of Data:

CRUISE SHIPS FOR INITIAL DATA, DPL FOR ANALYZED DATA

Documentation:

SPARSE

Systems Which Access Data Base:

DATA PROCESSING LABORATORY

Keywords:

BATHYMETRY; NAVIGATION; GRAVITY; MAGNETICS

Definition/Description:

NAVIGATION, MAGNETIC, AND BATHYMETRY DATA COLLECTED DURING  
USGS CRUISES IN PACIFIC AND ARCTIC OCEANS AND BERING SEA.  
IN ORIGINAL (RAW) STATE AND IN VARYING STATES OF ANALYSIS.  
RAW DATA AND INITIAL ANALYSES DATA ARE IN INDIVIDUAL  
FILES. PROCESSED DATA COMBINED WITH NAVIGATION DATA.

\*\*\*\*\*

Data Base Name:

THERMODYNAMIC PROPERTIES OF  
MINERALS AND RELATED SUBSTANCES

Acronym:

THERM PROP

DB Type:

SCIENTIFIC/TECHNICAL

Structure:

SORTED SEQUENTIAL

Contact Person:

HEMINGWAY, BRUCE S.

Address:

U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
OFFICE OF GEOCHEMISTRY AND GEOPHYSICS  
959 NATIONAL CENTER  
RESTON, VA 22092

Telephone:

(703) 860-7400 (FTS) 928-7400

Data Base Status:

OPERATIONAL

Users:

BUREAU OF MINES; GEOLOGY AND  
CHEMISTRY DEPARTMENTS OF  
UNIVERSITIES; US INDUSTRIES; USGS  
EARTH SCIENTISTS

Availability for Use/Access:

UNLIMITED

Access Method:

INTERACTIVE

Output Media:

PUBLICATION

Storage Media:

DISK; PUNCHED CARDS

No. of Records:

400 RECORDS

Bytes per Record:

512 BYTES

Total Bytes in DB:

204,800 BYTES

Growth Rate:

02 PERCENT PER YEAR

Computer Makes and Models:

VAX

Computer Locations:

RESTON, VA

Languages:

FORTRAN

GEOLOGIC DIVISION  
DATA BASES

Subject Coverage: THERMODYNAMIC PROPERTIES OF  
MINERALS AND RELATED SUBSTANCES

Sources of Data:  
U.S. GEOLOGICAL SURVEY GEOLOGISTS, U.S. GEOLOGICAL SURVEY  
BULLETIN 1452.

Documentation:  
ROBIE, RICHARD A., HEMINGWAY, BRUCE S., AND FISHER, JAMES  
R., 1978, THERMODYNAMIC PROPERTIES OF MINERALS AND RELATED  
SUBSTANCES AT 298.15 K AND 1 BAR PRESSURE AT HIGHER  
TEMPERATURES: U.S. GEOLOGICAL SURVEY BULLETIN 1452, 456 P.

Keywords:  
ENTHALPY; ENTROPY; GIBBS FREE ENERGY; HEAT CAPACITY;  
THERMODYNAMIC DATA

Definition/Description:  
SELECTED VALUES FOR THE ENTROPY AND MOLAR VOLUME AND FOR  
THE ENTHALPY AND GIBBS FREE ENERGY OF FORMATION ARE GIVEN  
FOR THE ELEMENTS, 133 OXIDES, AND 212 OTHER MINERALS AND  
RELATED SUBSTANCES AT 298.15 K. FOR THOSE MATERIALS FOR  
WHICH HIGH-TEMPERATURE HEAT-CAPACITY, OR HEAT-CONTENT DATA  
ARE ALSO AVAILABLE, ENTHALPY FUNCTION, ENTROPY, GIBBS FREE  
ENERGY, HEAT CAPACITY, ENTHALPY, GIBBS FREE ENERGY OF  
FORMULATION, AND LOG ARE TABULATED AT 100 K INTERVALS FOR  
TEMPERATURES UP TO 1,800 K. FOR SUBSTANCES THAT HAVE  
SOLID-STATE PHASE CHANGES OR WHOSE MELTING OR BOILING  
POINT IS LESS THAN 1,800 K, WE HAVE ALSO TABULATED THE  
PROPERTIES LISTED ABOVE AT THE TEMPERATURE OF THE PHASE  
CHANGE, SO THAT THE ENTHALPY OR ENTROPY CHANGE ASSOCIATED  
WITH THE TRANSFORMATION FORM AN INTEGRAL PART OF THE  
HIGH-TEMPERATURE TABLES.

Comments:  
PURPOSE OF DATA BASE IS TO GENERATE PUBLICATION.

\*\*\*\*\*

Data Base Name:	TRACE METALS ANALYSES
Acronym:	TRMETS
DB Type:	SPATIAL
Contact Person:	BAILEY, NORMAN G.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION BRANCH OF ATLANTIC MARINE GEOLOGY QUISSETT CAMPUS WOODS HOLE, MA 02543
Telephone:	(617) 548-8700 EXT 175 (FTS) 837-4175
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1975 - 1978
Data Base Status:	UNDER DEVELOPMENT



GEOLOGIC DIVISION  
DATA BASES

Users: BUREAU OF LAND MANAGEMENT;  
NATIONAL GEOPHYSICAL DATA  
CENTER/EDS/NOAA; U.S. GEOLOGICAL  
SURVEY, BRANCH OF ATLANTIC MARINE  
GEOLOGY

Availability for Use/Access: LIMITED

Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT

Storage Media: MAGNETIC TAPE; DISK

No. of Records: 267 RECORDS

Computer Makes and Models: HP 1000

Computer Locations: WOODS HOLE, MA

Languages: HP21MX RTE-4 SYSTEM; FILE MANAGER  
AND EDITOR PROGRAMS

DBMS: GRASP

Subject Coverage: ENVIRONMENTAL ASSESSMENT  
INFORMATION

Geographical Coverage:  
REGIONAL US; US EAST COAST--CONTINENTAL SHELF AND SLOPE

Sources of Data:  
USGS SCIENTISTS AND TECHNICIANS, SAMPLES COLLECTED AT SEA  
DURING SCIENTIFIC CRUISES

Documentation:  
NONE

Keywords:  
CONTINENTAL SHELF; CONTINENTAL SLOPE; MARINE GEOLOGY;  
METALS

Definition/Description:  
CONTAINS 16 FIELDS PLUS A KEY FIELD TO ENABLE LINKAGE TO A  
SAMPLE COLLECTION INFORMATION DATA SET CALLED STA004. THE  
DATA ARE COMPUTERIZED TO ENABLE TRANSMITTAL IN  
MACHINE-READABLE FORM TO THE NATIONAL GEOPHYSICAL DATA  
CENTER (NGDC) IN CONFORMANCE WITH THE USGS/NOAA DATA  
ARCHIVING AGREEMENTS.

\*\*\*\*\*

Data Base Name: UNITED STATES TERRESTRIAL HEAT  
FLOW

Acronym: HEAT FLOW

DB Type: SPATIAL

Structure: SORTED SEQUENTIAL

Contact Person: MARSHAL, VAUGHN

Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
MS 23  
345 MIDDLEFIELD RD  
MENLO PARK, CA 94025

GEOLOGIC DIVISION  
DATA BASES

Telephone: (415) 323-8111 X 2270 (FTS) 467-2270  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1955 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS AND GEOPHYSICISTS;  
GEOTHERMAL, NUCLEAR WASTE  
DISPOSAL, AND OIL INDUSTRIES  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: DISK  
No. of Records: 2,000 RECORDS  
Bytes per Record: 4,096 BYTES  
Total Bytes in DB: 8,192,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: HONEYWELL MULTICS; TEKTRONIX 4052  
Computer Locations: DENVER, CO; FLAGSTAFF, AZ  
Languages: FORTRAN; BASIC  
Subject Coverage: HEAT FLOW DATA FOR SELECTED POINTS  
IN THE US AND ADJACENT AREAS  
Geographical Coverage:  
US; ALL OF THE US EXCEPT HAWAII  
Sources of Data:  
FIELD READINGS AND DATA RECEIVED FROM OTHER SCIENTISTS  
Documentation:  
COMMENTS IN CODE, PUBLISHED DESCRIPTIONS OF DATA, USGS  
OPEN-FILE REPORT 76-756  
Keywords:  
HEAT FLOW; GEOTHERMAL; RADIOGENIC; PERMAFROST; EARTH  
TEMPERATURE; HEAT PRODUCTION  
Definition/Description:  
HEAT FLOW DATA FOR POINTS WITHIN THE US, NORTHERN MEXICO,  
SOUTHERN CANADA, AND PACIFIC COAST WATERS. REDUCED HEAT  
FLOW IS DEFINED BY  $QR=Q-DAO$  WHERE Q IS SURFACE HEAT FLUX,  
AO IS THE OBSERVED RADIOACTIVITY, AND D IS AN EMPIRICALLY  
DETERMINED CONSTANT FOR A GIVEN HEAT FLOW PROVINCE. FOR  
THE US WEST OF THE GREAT PLAINS, D IS 10 KM. FOR THE  
EASTERN US, D IS 7.5 KM.

GEOLOGIC DIVISION  
DATA BASES

\*\*\*\*\*

Data Base Name: VOYAGER IMAGE DATA  
Acronym: VOYAGER EDR  
DB Type: MISSION SUPPORT;  
SCIENTIFIC/TECHNICAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: SOWERS, LYND A B.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
2255 N. GEMINI DRIVE  
FLAGSTAFF, AZ 86001  
Telephone: (602) 527-7105 (FTS) 765-7105  
Spatial Data Type: POINT PERSPECTIVE  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1979 - PRESENT  
Data Base Status: OPERATIONAL  
Users: SCIENTISTS OF GEOLOGIC DIVISION  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 3,000,000,000 BYTES  
Computer Makes and Models: DEC PDP-11/44; PDP-11/45  
Computer Locations: FLAGSTAFF, AZ  
Languages: FORTRAN  
Subject Coverage: IMAGE DATA OF SATURN AND JUPITER  
SATELLITES  
Geographical Coverage:  
SATURN AND JUPITER SATELLITES  
Sources of Data:  
VOYAGER SATELLITE VIA JPL  
Keywords:  
VOYAGER; IMAGE; SATURN; SATELLITE; JUPITER; MOON  
Definition/Description:  
COLLECTION OF RAW IMAGE DATA COLLECTED FROM VOYAGER  
SATELLITE. SUBJECT COVERAGE IS CURRENTLY JUPITER AND  
SATURN SATELLITES. AN INDEX PROVIDES ENTRY INTO DESIRED  
COVERAGE.  
Comments:  
VOYAGER MISSION IS CONTINUING. NEXT DATA ARE EXPECTED  
FROM URANUS IN 1984.

GEOLOGIC DIVISION  
DATA BASES

\*\*\*\*\*

Data Base Name: WESTERN GEOSCIENCE  
DB Type: SCIENTIFIC/TECHNICAL; SPATIAL  
Contact Person: SARGENT, KENNETH A.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
BRANCH OF CENTRAL ENVIRONMENTAL GEOLOGY  
DENVER FEDERAL CENTER  
MS 913  
DENVER, CO 80225  
Telephone: (303) 234-4118 (FTS) 234-4118  
Spatial Data Type: GRID  
Coordinate System: LAMBERT CONFORMAL  
Data Base Status: UNDER DEVELOPMENT  
Users: DEPARTMENT OF ENERGY SCIENTISTS,  
NUCLEAR WASTE DISPOSAL EXPERTS  
Availability for Use/Access: NOT AVAILABLE  
Access Method: INTERACTIVE AND BATCH  
Output Media: MAGNETIC TAPE, DEANZA TERMINAL,  
HARDCOPY  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 115,000,000 BYTES  
Computer Makes and Models: DEC PDP-11/45  
Computer Locations: FLAGSTAFF, AZ  
Languages: FORTRAN  
Subject Coverage: GEOLOGIC FEATURES OF THE BASIN AND  
RANGE PROVINCE OF THE WESTERN US  
Geographical Coverage:  
REGIONAL US; BASIN AND RANGE PROVINCE OF TEXAS, ARIZONA,  
NEW MEXICO, NEVADA, CALIFORNIA, OREGON, IDAHO, AND UTAH  
Sources of Data:  
GEOLOGIC MAPS ARE DIGITIZED BY HAND WITH A FLATBED  
DIGITIZER.  
Documentation:  
USER'S GUIDE  
Keywords:  
FLAGSTAFF FORMAT; GRANITE; TUFF; GEOLOGIC FEATURES;  
BASALT; INTRUSIVES; BASIN AND RANGE PROVINCE; SHALE;  
ALLUVIAL MINING; VOLCANICS; FAULT; ENERGY; RESOURCES;  
LAMBERT CONFORMAL PROJECTION; BEDROCK MINING  
Definition/Description:  
DIGITIZED COVERAGE OF THE WESTERN US BASIN AND RANGE  
PROVINCE, INCLUDING OVERLAYS OF GRANITE ROCK, BASALT,  
SHALE, TUFF, INTRUSIVES, ALLUVIAL/BEDROCK, VOLCANICS,  
FAULTS, ENERGY RESOURCES, AND MINING.

GEOLOGIC DIVISION  
DATA BASES

Comments:

COMPUTER PROGRAMS WRITTEN FOR A MODIFIED PDP 11/45 AND A  
CUSTOMIZED DEANZA TERMINAL ARE USED TO VIEW DATA, ZOOM IN  
AND OUT, AND OBSERVE UP TO FOUR OVERLAYS AT A TIME.

\*\*\*\*\*

Data Base Name: WESTERN INTEGRATED TOPOGRAPHIC  
DATA BASE  
DB Type: SPATIAL  
Structure: IMAGE  
Contact Person: BATSON, RAYMOND M.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
2255 N. GEMINI DRIVE  
FLAGSTAFF, AZ 86001  
Telephone: (602) 527-7260 (FTS) 765-7260  
Spatial Data Type: GRID  
Coordinate System: LAMBERT CONFORMAL  
Data Base Status: UNDER DEVELOPMENT  
Users: DEPARTMENT OF DEFENSE  
Availability for Use/Access: NOT AVAILABLE  
Access Method: INTERACTIVE AND BATCH  
Output Media: MICROFORM  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 36,000,000 BYTES  
Computer Makes and Models: PDP-11/44  
Computer Locations: FLAGSTAFF, AZ  
Languages: FORTRAN  
Subject Coverage: DIGITAL SHADED RELIEF MAPS OF  
WESTERN US  
Geographical Coverage:  
REGIONAL US; WESTERN US  
Sources of Data:  
DEFENSE MAPPING AGENCY DIGITAL MAPS  
Documentation:  
NONE  
Keywords:  
DIGITAL MAPPING; TOPOGRAPHY; SHADED RELIEF  
Definition/Description:  
SHADED RELIEF MAP OF WESTERN US. 1:250,000 SCALE BASED ON  
DIGITAL MAPS PROVIDED BY DMA.

GEOLOGIC DIVISION  
DATA BASES

Comments:

THIS DATA BASE IS STILL BEING DEVELOPED. ONLY TWO MAPS OF  
THE STATE OF NEVADA HAVE BEEN PRODUCED TO DATE.

\*\*\*\*\*

Data Base Name: WORLD FLUORSPAR RESOURCES  
Acronym: WFR  
DB Type: SPATIAL  
Structure: RELATIONAL  
Contact Person: SCHRUBEN, PAUL G.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
920 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6455 (FTS) 928-6455  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE; UTM NORTHINGS  
AND EASTINGS; PUBLIC LAND SURVEY  
(SECTION, TOWNSHIP, RANGE)  
Data Base Status: OPERATIONAL  
Users: USGS GEOLOGISTS; GENERAL PUBLIC;  
STATE SURVEYS; WORLDWIDE USERS  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 113 RECORDS  
Bytes per Record: 5,000 BYTES  
Total Bytes in DB: 565,000 BYTES  
Computer Makes and Models: DBM; AMD V7  
Computer Locations: RESTON, VA; UNIVERSITY OF  
OKLAHOMA, NORMAN, OK  
Languages: GIPSY  
Subject Coverage: MINERAL RESOURCES INFORMATION,  
FLUORSPAR  
Geographical Coverage: WORLDWIDE  
Sources of Data: USGS RESTON LIBRARY (GEOLOGIC JOURNALS AND MAPS FROM  
COUNTRIES) AND COMMODITY SPECIALIST RALPH E. VAN ALSTINE

GEOLOGIC DIVISION  
DATA BASES

Documentation:

CRIB USER'S GUIDE

Systems Which Access Data Base:

MINERAL DATA SYSTEM

Keywords:

BARITES; COMMODITY; FLUORSPAR; NONMETALLIC MINERALS

Definition/Description:

THE WORLD FLUORSPAR RESOURCES DATA BASE, ACCESSED THROUGH THE MINERAL DATA SYSTEM (WHICH ALSO ACCESSES MRDB), CONSISTS OF MINERAL DEPOSIT DATA IN A COMPUTER-ACCESSIBLE FORM. ENTRIES FOR DEPOSIT NAME, LOCATION, COMMODITY TYPE, EXPLORATION HISTORY, GEOLOGY, PRODUCTION, AND RESERVES ARE RETRIEVABLE VIA GIPSY. THE INFORMATION IN THIS DATA BASE IS ALSO CONTAINED IN THE MINERAL RESOURCES DATA BASE.

Comments:

THESE DATA WERE COLLECTED IN 1975.

INFORMATION SYSTEMS DIVISION  
DATA BASES

\*\*\*\*\*

Data Base Name: DIGITAL RADAR IMAGES  
Acronym: SEASAT  
DB Type: MISSION SUPPORT  
SCIENTIFIC/TECHNICAL  
Structure: UNSORTED SEQUENTIAL  
Contact Person: SOWERS, LYNDIA B.  
Address: U.S. GEOLOGICAL SURVEY  
INFORMATION SYSTEMS DIVISION  
2255 N. GEMINI DRIVE  
FLAGSTAFF, AZ 86001  
Telephone: (602) 527-7105 (FTS) 765-7105  
Spatial Data Type: NAMED AREA  
Time Span: 1975 - PRESENT  
Data Base Status: OPERATIONAL  
Users: GEOLOGISTS OF FLAGSTAFF OFFICE OF  
USGS  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 100,000,000 BYTES  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: FORTRAN  
Subject Coverage: RADAR IMAGES OBTAINED FROM  
SATELLITE AND AIRBORNE SOURCES  
Geographical Coverage:  
WORLDWIDE; VERY LIMITED COVERAGE OF DIFFERENT AREAS  
Sources of Data:  
SEASAT RADAR AIRBORNE SLR  
Documentation:  
NONE  
Keywords:  
SEASAT; RADAR; SIDE LOOKING RADAR; SATELLITE; IMAGE  
Definition/Description:  
COLLECTION OF RADAR DATA. SOME ARE RAW, BUT SOME HAVE  
BEEN PROCESSED. INCLUDES A LIMITED SET OF SEASAT DATA.  
INCLUDES SIDE-LOOKING RADAR (SLR) DATA, ALSO OF LIMITED  
COVERAGE.



INFORMATION SYSTEMS DIVISION  
DATA BASES

Comments:

THIS IS A COLLECTION OF DATA WHOSE ONLY COMMONALITY IS  
RADAR IMAGERY. DATA SOURCE AND COVERAGE ARE QUITE VARIABLE.

\*\*\*\*\*

Data Base Name: EARTH SCIENCE INFORMATION DATA  
BASE  
Acronym: ESIDB  
DB Type: MANAGEMENT INFORMATION SYSTEM  
Structure: INVERTED FILE  
Contact Person: ALBERT, THEODORE M.  
Address: U.S. GEOLOGICAL SURVEY  
INFORMATION SYSTEMS DIVISION  
115 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6086 (FTS) 928-6086  
Time Span: 1979 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS PERSONNEL  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK; MAGNETIC TAPE  
No. of Records: 25,000 RECORDS  
Bytes per Record: 1,000 BYTES  
Total Bytes in DB: 25,000,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; MODEL 204  
DBMS: MODEL 204  
Subject Coverage: SCIENTIFIC, TECHNICAL, AND  
BIBLIOGRAPHIC AUTOMATED DATA BASES  
AND SYSTEMS OF THE U.S. GEOLOGICAL  
SURVEY  
Geographical Coverage:  
US; AUTOMATED DATA FROM ALL USGS LOCATIONS ARE CATALOGED  
IN THIS DATA BASE  
Sources of Data:  
DATA BASE CONTACT PERSONS AND SYSTEM CONTACT PERSONS

INFORMATION SYSTEMS DIVISION  
DATA BASES

Documentation:

EARTH SCIENCE INFORMATION SYSTEM (ESIS) DETAILED DESIGN SPECIFICATIONS, JUNE 1981. ESIS USER'S GUIDE, AUGUST 1982. ESIS MAINTENANCE MANUAL, JANUARY 1983. ESIS SYSTEMS OPERATIONS GUIDE, JANUARY 1983.

Systems Which Access Data Base:

EARTH SCIENCE INFORMATION SYSTEM

Definition/Description:

ESIDB CONTAINS INFORMATION ABOUT USGS DATA BASES, DATA ELEMENTS THAT ARE FIELDS IN THE RECORDS OF THE DATA BASES, AND AUTOMATED SYSTEMS. THE INFORMATION IS ABOUT MANY SUBJECTS FROM SCIENTIFIC DISCIPLINES SUCH AS GEOLOGY, GEOPHYSICS, GEOCHEMISTRY, HYDROLOGY, CARTOGRAPHY, OCEANOGRAPHY, GEOGRAPHY, MINERALS EXPLORATION AND CONSERVATION, AND SATELLITE DATA SENSING.

\*\*\*\*\*

Data Base Name:	FLAGSTAFF LANDSAT TAPE LIST
Acronym:	LANDSAT TAPE-LIB
DB Type:	SCIENTIFIC AND TECHNICAL
Contact Person:	SOWERS, LYNDIA B.
Address:	U.S. GEOLOGICAL SURVEY INFORMATION SYSTEMS DIVISION 2255 NORTH GEMINI DRIVE FLAGSTAFF, AZ 86001
Telephone:	(602) 527-7105 (FTS) 765-7105
Time Span:	1971 - PRESENT
Data Base Status:	OPERATIONAL
Users:	IMAGE PROCESSING FACILITY, FLAGSTAFF COMPUTATION BRANCH
Availability for Use/Access:	UNLIMITED
Output Media:	INTERACTIVE TERMINAL
Storage Media:	DISK
No. of Records:	2,200 RECORDS
Bytes per Record:	132 BYTES
Total Bytes in DB:	290,400 BYTES
Computer Makes and Models:	PDP 1144
Computer Locations:	FLAGSTAFF, AZ
Languages:	DEC DATATRIEVE
Subject Coverage:	BANDS 4, 5, 6, AND 7 OF LANDSAT SATELLITE COVERAGE

INFORMATION SYSTEMS DIVISION  
DATA BASES

Geographical Coverage:

WORLDWIDE

Sources of Data:

LIST OF ALL LANDSAT TAPES IN FLAGSTAFF, INPUT BY TAPE  
LIBRARIAN AT FLAGSTAFF

Documentation:

NONE

Keywords:

IMAGE DESCRIPTION; LANDSAT IMAGE; TAPE LIBRARY

Definition/Description:

THE FLAGSTAFF LANDSAT TAPE LIST IDENTIFIES LANDSAT TAPES  
AVAILABLE IN FLAGSTAFF. EACH RECORD INCLUDES THE  
FOLLOWING INFORMATION ABOUT EACH TAPE: TAPE NUMBER, SCENE  
IDENTIFICATION, AREA DESCRIPTION, SUN ANGLE, QUALITY OF  
IMAGE, TRACK, BITS PER INCH, CENTER LATITUDE AND  
LONGITUDE, EXPOSURE DATE, NUMBER AND FILES PER TAPE, AND  
PATH AND ROW OF IMAGE.

\*\*\*\*\*

Data Base Name:	LANDSAT IMAGES OF THE ARABIAN PENINSULA
Acronym:	SA LIBRARY
DB Type:	MISSION SUPPORT; SCIENTIFIC/TECHNICAL
Structure:	UNSORTED SEQUENTIAL
Contact Person:	SOWERS, LYNDIA B.
Address:	U.S. GEOLOGICAL SURVEY INFORMATION SYSTEMS DIVISION 2255 N.GEMINI DRIVE FLAGSTAFF, AZ 86001
Telephone:	(602) 527-7105 (FTS) 765-7105
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1972 - 1980
Data Base Status:	OPERATIONAL
Users:	OFFICE OF INTERNATIONAL GEOLOGY (OIG); OTHERS WITH OIG PERMISSION
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE
Total Bytes in DB:	500,000,000 BYTES
Computer Makes and Models:	HIS MULTICS
Computer Locations:	DENVER, CO
Languages:	FORTRAN
Subject Coverage:	LANDSAT IMAGES OF ARABIAN PENINSULA

INFORMATION SYSTEMS DIVISION  
DATA BASES

Geographical Coverage:

WORLDWIDE; ARABIAN PENINSULA AND ADJACENT TERRITORY

Sources of Data:

LANDSAT IMAGES TAKEN BETWEEN 1972 AND 1980

Documentation:

NONE

Keywords:

LANDSAT; SAUDI ARABIA; BAND 7; MULTISPECTRAL SCANNER;  
SATELLITE; IMAGES

Definition/Description:

LANDSAT MULTISPECTRAL SCANNER (MSS) DATA WERE DIGITALLY PROCESSED. BAND 7 (0.8 - 1.1 MICROMETERS) WAS SELECTED TO EMPHASIZE STRUCTURAL INFORMATION AND TO MINIMIZE PROBLEMS CAUSED BY ATMOSPHERIC HAZE. EACH IMAGE WAS PREPROCESSED TO REMOVE STRIPING NOISE, REPLACE DATA DROPPED IN TRANSMISSION, AND CORRECT FOR FIRST-ORDER GEOMETRIC DISTORTIONS. A HIGH-PASS 'BOXCAR' SPATIAL FILTER WAS APPLIED TO ENHANCE STRUCTURAL INFORMATION AND TO ELIMINATE THE MAJORITY OF TONE-MATCHING PROBLEMS. ADDITIONAL GEOMETRIC CHANGES WERE MADE ON SOME INDIVIDUAL IMAGES TO PROVIDE A MORE ACCURATE FIT TO A BASE MAP.

Comments:

SYSTEM IS UNDERGOING CONTINUAL UPGRADE OF OPERATION AND STORAGE MEDIA.

NATIONAL MAPPING DIVISION  
DATA BASES

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Data Base Name: AERIAL PHOTOGRAPHY INFORMATION  
SYSTEM  
Acronym: APIS  
DB Type: MISSION SUPPORT  
Contact Person: KNUTSON, GLENDA D.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
OFFICE OF PLANS AND PROGRAM  
DEVELOPMENT  
511 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6218 (FTS) 928-6218  
Time Span: 1970 - PRESENT  
Data Base Status: OPERATIONAL  
Users: NATIONAL MAPPING DIVISION  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
No. of Records: 14,350 RECORDS  
Total Bytes in DB: 2,553,050 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV; PL/1; IRS  
Subject Coverage: DATA DESCRIPTIVE OF THE AERIAL  
PHOTOGRAPHY PROCURED FOR THE  
NATIONAL MAPPING DIVISION'S  
MAPPING CENTERS' QUADRANGLE  
MAPPING OF AUTHORIZED AREAS AND  
PRODUCTION OF COUNTY, STATE, AND  
SPECIAL MAPS  
Geographical Coverage:  
US; US TERRITORIES, ANTARCTICA, CANADA  
Sources of Data:  
OFFICE OF RESEARCH AND TECHNICAL STANDARDS (RT-A),  
NATIONAL MAPPING DIVISION, AND NATIONAL MAPPING DIVISION'S  
MAPPING CENTERS  
Documentation:  
NONE

NATIONAL MAPPING DIVISION  
DATA BASES

Keywords:

AERIAL PHOTOGRAPHY; CAMERA; CONTRACT; MAP PHOTO DATA

Definition/Description:

APIS STORES 27 DIFFERENT PHOTOGRAPHY DATA ELEMENTS, INCLUDING DATES OF AWARD, ACCEPTANCE, DELIVERY OF PHOTOGRAPHY, CAMERA, LENS SPECIFICATIONS (LENS NAME AND NUMBER), SQUARE MILES AND LINEAR MILES FOR EACH FLIGHT, HEIGHT, CONTOUR INTERVAL, PROPOSED USE OF PHOTOGRAPHS, COST PER LINEAR MILE, AND TOTAL COST.

Comments:

THE DATA BASE IS ORGANIZED TO RELATE THE MAPPING PROJECT AND AREA COVERED TO THE PHOTO-PROJECT SYMBOL AND COVERAGE IN SQUARE MILES AND IN LINEAR MILES.

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Data Base Name:	AERIAL PHOTOGRAPHY SUMMARY RECORD SYSTEM FILE
Acronym:	APSRs FILE
DB Type:	SPATIAL
Structure:	SORTED SEQUENTIAL
Contact Person:	LAUTERBORN, THOMAS J.
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION NATIONAL CARTOGRAPHIC INFORMATION CENTER 501 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6509 (FTS) 928-6509
Spatial Data Type:	POLYGON
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1935 - PRESENT
Data Base Status:	OPERATIONAL
Users:	BUREAU OF LAND MANAGEMENT; DEPART- MENT OF AGRICULTURE; NATIONAL OCEAN SURVEY; 19 PRIVATE COMPANIES; 12 STATE AGENCIES; U.S. GEOLOGICAL SURVEY
Availability for Use/Access:	UNLIMITED
Output Media:	MICROFORM
Storage Media:	MAGNETIC TAPE
No. of Records:	203,000 RECORDS
Total Bytes in DB:	26,000,000 BYTES
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	PL/1
Subject Coverage:	AERIAL PHOTOGRAPHS TAKEN FROM AIRCRAFT, GENERALLY IN A SCALE RANGE OF 1:10,000 TO 1:150,000

NATIONAL MAPPING DIVISION  
DATA BASES

Geographical Coverage:

US; US, PUERTO RICO, VIRGIN ISLANDS

Sources of Data:

FEDERAL, STATE, MUNICIPAL, AND LOCAL GOVERNMENTS AND  
PRIVATE CONTRACTORS WHO CONTRIBUTE INFORMATION ON AERIAL  
PHOTOGRAPHY HOLDINGS

Documentation:

APSRs INPUT PROCESSING GUIDE; APSRS USER SERVICES GUIDE;  
APSRs CONTRIBUTORS GUIDE

Systems Which Access Data Base:

AERIAL PHOTOGRAPHY SUMMARY RECORD SYSTEM

Keywords:

AERIAL PHOTOGRAPH; AGENCY CODE; DATE OF COVERAGE;  
GEOGRAPHIC COVERAGE; INDEX MAP; MICROFICHE LISTINGS;  
PROJECT CODE; TYPE OF FILM

Definition/Description:

THE APSRS FILE CONTAINS CONTRIBUTOR-SUPPLIED INFORMATION  
ON DOMESTIC AERIAL PHOTOGRAPHS. DATA ELEMENTS INCLUDE  
AGENCY CODE, GEOGRAPHIC COVERAGE, EXPOSURE DATE, FILM  
FORMAT, IMAGE CLASS, FOCAL LENGTH, AND PROJECT CODE. THE  
FILE IS USED TO PRODUCE INDEX MAPS AND LISTINGS VIA  
SPECIALIZED RETRIEVAL AND STANDARD COM FICHE.

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Data Base Name:	ALASKA LANDSAT LAND COVER DATA
Acronym:	LCLS-ALASKA
DB Type:	SPATIAL
Contact Person:	GAYDOS, LEONARD J.
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION U.S. GEOLOGICAL SURVEY GEOGRAPHIC INVESTIGATIONS OFFICE NASA AMES RESEARCH CENTER 240-8 MOFFETT FIELD, CA 94035 (415) 965-6368 (FTS) 448-6368
Telephone:	
Spatial Data Type:	GRID
Coordinate System:	UTM NORTHINGS AND EASTINGS
Time Span:	1975 - PRESENT
Data Base Status:	OPERATIONAL
Users:	BUREAU OF LAND MANAGEMENT; U.S. FISH AND WILDLIFE SERVICE; USGS WATER RESOURCES DIVISION; STATE OF ALASKA
Availability for Use/Access:	LIMITED
Access Method:	BATCH
Output Media:	INTERACTIVE TERMINAL; BATCH

NATIONAL MAPPING DIVISION  
DATA BASES

Storage Media:	COMPUTER PRINTOUT
No. of Records:	MAGNETIC TAPE
Bytes per Record:	34,500 RECORDS
Total Bytes in DB:	2,400 BYTES
Growth Rate:	82,800,000 BYTES
Computer Makes and Models:	10 PERCENT PER YEAR
Computer Locations:	HP 3000
Languages:	MOFFETT FIELD, CA
Subject Coverage:	FORTTRAN
Geographical Coverage:	LAND COVER DATA BY 50-M GRID CELLS
	US; ARCTIC ALASKA

Sources of Data:  
LANDSAT MULTISPECTRAL SCANNER DATA, FIELD PARTIES

Documentation:  
MORRISSEY, L.A., AND ENNIS, R.A., 1981, VEGETATION MAPPING OF THE NATIONAL PETROLEUM RESERVE IN ALASKA USING LANDSAT DIGITAL DATA: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 81-315, 25 P. WALKER, D.A., ACEVEDO, WILLIAM, EVERETT, E.R., GAYDOS, LEONARD, BROWN, J., AND WEBBER, P.J., 1982, LANDSAT-ASSISTED ENVIRONMENTAL MAPPING IN THE ARCTIC NATIONAL WILDLIFE REFUGE, ALASKA: U.S. ARMY CORPS OF ENGINEERS COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, CRREL REPORT 82-27, 59 P. WRAY, J.R., AND GAYDOS, LEONARD, 1982, VEGETATION AND LAND COVER MAP AND DATA FOR AN ENVIRONMENTAL IMPACT STATEMENT, ARCTIC NATIONAL WILDLIFE REFUGE, ALASKA: MULTISTAGE DEMONSTRATION OF AUTOMATION IN THEMATIC CARTOGRAPHY: AUTO-CARTO V, CRYSTAL CITY, VA, AUGUST 22-28, 1982, PROCEEDINGS, P. 283-286.

Keywords:  
LAND COVER; LANDSAT; ARCTIC; ALASKA

Definition/Description:  
LAND COVER OF AREAS IN ARCTIC ALASKA WAS MAPPED FROM LANDSAT MULTISPECTRAL SCANNER DATA ACQUIRED FROM 1975 TO 1980 AND VERIFIED WITH DATA COLLECTED BY FIELD PARTIES. IMAGE PROCESSING SOFTWARE AT AMES RESEARCH CENTER WAS USED BY USGS SCIENTISTS TO DEFINE SPECTRAL CLASSES, REGISTER DATA TO UTM COORDINATES, AND DIGITALLY MOSAIC LANDSAT SCENES INTO MAP QUADRANGLE FORMAT. CONTRACTORS AND COOPERATORS HAVE INCLUDED TECHNICOLOR GOVERNMENT SERVICES, UNIVERSITY OF COLORADO INSTITUTE OF ARCTIC AND ALPINE RESEARCH, U.S. ARMY COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, BUREAU OF LAND MANAGEMENT, THE U.S. FISH AND WILDLIFE SERVICE, THE STATE OF ALASKA, AND THE NORTH SLOPE BOROUGH.



NATIONAL MAPPING DIVISION  
DATA BASES

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Data Base Name: BLACK HILLS HYDROLOGIC SYSTEM DATA  
BASE  
DB Type: SCIENTIFIC/TECHNICAL  
Structure: RELATIONAL  
Contact Person: BATTEN, LAWRENCE G.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
APPLICATIONS BRANCH  
EROS DATA CENTER  
SIOUX FALLS, SD 57198  
Telephone: (605) 594-6114 (FTS) 784-7114  
Spatial Data Type: GRID  
Coordinate System: ARBITRARY X, Y COORDINATES  
Time Span: 1981 - PRESENT  
Data Base Status: UNDER DEVELOPMENT  
Users: NATIONAL MAPPING DIVISION; WATER  
RESOURCES DIVISION  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: BATCH COMPUTER PRINTOUT;  
INTERACTIVE TERMINAL  
Storage Media: MAGNETIC TAPE; DISK  
Total Bytes in DB: 49,665,798 BYTES  
Growth Rate: 25 PERCENT PER YEAR  
Computer Makes and Models: HP 3000  
Computer Locations: SIOUX FALLS, SD  
Languages: FORTRAN  
DBMS: INTERACTIVE DIGITAL IMAGE  
MANIPULATION SYSTEM (IDIMS)  
Subject Coverage: BLACK HILLS DIGITAL HYDROLOGIC DATA  
Geographical Coverage: REGIONAL US; SOUTH DAKOTA, WYOMING  
Sources of Data: LANDSAT, USGS PUBLISHED REPORTS AND MAPS, USGS DIGITAL  
TOPOGRAPHIC DATA  
Documentation: NONE  
Systems Which Access Data Base: BLACK HILLS HYDROLOGIC SYSTEM

NATIONAL MAPPING DIVISION  
DATA BASES

Keywords:

BLACK HILLS; HYDROLOGIC DATA; LANDSAT; AQUIFER;  
EVAPOTRANSPIRATION

Definition/Description:

MULTIPLE SPATIAL DATA SETS HAVE BEEN COMPILED INTO A  
HYDROLOGIC INFORMATION DATA BASE FOR THE BLACK HILLS OF  
SOUTH DAKOTA AND WYOMING. THE REGION IS DIVIDED INTO 50-  
X 50-M CELLS. EACH CELL IS DIVIDED INTO A 3,369 X 2,457  
GRID. THE DATA CONSIST OF 1:250,000 DIGITAL TOPOGRAPHIC  
DATA, LANDSAT IMAGES (1979, 1980), GEOLOGIC MAP, LAND USE  
AND LAND COVER, BLUELINE DRAINAGE FROM 7.5-MIN  
QUADRANGLES, OUTLINES OF 27 DRAINAGE BASINS, COUNTY  
BOUNDARIES, ROADS, SLOPE, AND ASPECT MAPS.

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Data Base Name:	BOARD ON GEOGRAPHIC NAMES
Acronym:	GNIS/BGN
DB Type:	SPATIAL; SCIENTIFIC AND TECHNICAL; MISSION SUPPORT
Contact Person:	PAYNE, ROGER L.
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION 523 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6261 (FTS) 928-6261
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1890 - 1959
Data Base Status:	UNDER DEVELOPMENT
Users:	THE FILE IS INCOMPLETE BUT IS USED BY SOME FEDERAL AND STATE AGENCIES, INCLUDING THE U.S. GEOLOGICAL SURVEY.
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	MAGNETIC TAPE; BATCH COMPUTER PRINTOUT; INTERACTIVE TERMINAL
Storage Media:	DISK
No. of Records:	27,255 RECORDS
Total Bytes in DB:	8,176,500 BYTES
Growth Rate:	50 PERCENT PER YEAR
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	PL/1; FORTRAN IV; ASSEMBLER
Subject Coverage:	DECISIONS OR SPECIAL RESEARCH INVOLVING CONTROVERSIAL NAMES BY THE BOARD ON GEOGRAPHIC NAMES

NATIONAL MAPPING DIVISION  
DATA BASES

(BGN) ON NAME CHOICE, SPELLING,  
AND APPLICATION

Geographical Coverage:

US

Sources of Data:

PUBLISHED DECISIONS BY THE U.S. BOARD ON GEOGRAPHIC NAMES,  
1890-1959

Documentation:

BOARD ON GEOGRAPHIC NAMES, DECISIONS ON GEOGRAPHIC NAMES  
IN THE UNITED STATES, VARIOUS PUBLICATIONS 1932-1959;  
SIXTH REPORT OF THE U.S. BOARD ON GEOGRAPHIC NAMES, 1932,  
834 P.

Systems Which Access Data Base:

GEOGRAPHIC NAMES INFORMATION SYSTEM

Keywords:

BOARD ON GEOGRAPHIC NAMES; GAZETTEER; GEOGRAPHIC  
COORDINATES; GEOGRAPHIC NAME; NAME; OFFICIAL PLACE NAME;  
TOPONYM

Definition/Description:

THE GEOGRAPHIC NAMES INFORMATION SYSTEM (GNIS) OF THE U.S. GEOLOGICAL SURVEY IS DESIGNED TO SERVE BOTH INTERNAL CARTOGRAPHIC NAME PLACEMENT SYSTEMS AND EXTERNAL NAME SHIPPING AND POINT LOCATION SYSTEMS. GNIS PROVIDES A RAPID MEANS OF ORGANIZING AND SUMMARIZING CURRENT INFORMATION ABOUT NAMED CULTURAL OR PHYSICAL GEOGRAPHIC NAME ENTITIES. GNIS/BGN CONSISTS OF VARIABLE-LENGTH RECORDS CONTAINING DECISIONS OR PROBLEMS REQUIRING SPECIAL RESEARCH BY BGN. THIS FEDERAL BODY, CREATED IN 1890 AND ESTABLISHED IN ITS PRESENT FORM BY PUBLIC LAW IN 1947, IS AUTHORIZED TO ESTABLISH AND MAINTAIN UNIFORM GEOGRAPHIC NAME USAGE THROUGHOUT THE FEDERAL GOVERNMENT. SOME TOPICS COVERED ARE OFFICIALLY APPROVED NAMES, TYPE OF FEATURE, GEOGRAPHIC COORDINATES, STATE, COUNTY, AND VARIANT NAMES, DATE OF DECISION, AND TEXTUAL DESCRIPTIONS. THE INFORMATION CONSISTS OF TEXT, NUMERIC DATA, AND CODES. THE DATA ARE PROCESSED BY THE GIPSY PROGRAM, WHICH PERFORMS ALL THE PROCESSING TASKS NEEDED TO BUILD, OPERATE, AND MAINTAIN THE GNIS FILE. THE SOPHISTICATED RETRIEVAL PROGRAM ALLOWS THE USER TO MAKE HIGHLY SELECTIVE SEARCHES OF THE FILE FOR WORDS, PARTS OF WORDS, PHRASES, NUMERIC DATA, WORD RANGES, NUMERICAL RANGES, AND OTHERS AND TO INTERRELATE VARIABLES BY LOGIC STATEMENTS TO ANY DEGREE OF REFINEMENT DESIRED. THREE PRINT OPTIONS ARE AVAILABLE, OR THE RETRIEVED DATA CAN BE PASSED TO ANOTHER PROGRAM FOR FURTHER PROCESSING.

NATIONAL MAPPING DIVISION  
DATA BASES

Comments:

FUTURE DEVELOPMENT PLANS WILL INCLUDE BGN DECISIONS TO  
DATE (ABOUT 40,000 RECORDS).

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Data Base Name: CAMERA CALIBRATION DATA BANK  
Acronym: CCDB  
DB Type: SCIENTIFIC AND TECHNICAL; MISSION  
SUPPORT  
Structure: UNSORTED SEQUENTIAL  
Contact Person: LINCK, MICHAEL K.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
OFFICE OF SYSTEMS AND TECHNIQUES  
DEVELOPMENT  
526 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6279 (FTS) 928-6279  
Spatial Data Type: POINT  
Coordinate System: PHOTO COORDINATES  
Time Span: 1967 - PRESENT  
Data Base Status: OPERATIONAL  
Users: MAPPING CENTERS AND STAFF OFFICES  
OF THE NATIONAL MAPPING DIVISION  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT; PUNCHED  
CARDS  
Storage Media: MAGNETIC TAPE; PUNCHED CARDS; DISK  
No. of Records: 421 RECORDS  
Total Bytes in DB: 180,000 BYTES  
Growth Rate: 5 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
DBMS: PROGRAM G133  
Subject Coverage: CALIBRATION DATA FOR AERIAL  
CAMERAS, LENSES, PLATENS, AND  
MAGAZINES, DIRECTORY CODES OF THE  
DATA BANK ENTRIES  
Sources of Data:  
CALIBRATION BY USGS CALIBRATION LABORATORY FACILITIES OF  
AERIAL CAMERAS BELONGING TO USGS AERIAL PHOTOGRAPHY  
CONTRACTORS

NATIONAL MAPPING DIVISION  
DATA BASES

Documentation:

ELLER, ROBERT C., CAMERA CALIBRATION DATA BANK, OCT. 1973.

Keywords:

AERIAL CAMERA; ANALYTICAL PHOTOGRAMMETRY; CAMERA  
CALIBRATION; MANUFACTURER; OWNER

Definition/Description:

THE CAMERA CALIBRATION DATA BANK CONTAINS CALIBRATION DATA ON 421 ENTRIES OF AERIAL CAMERA-LENS-MAGAZINE COMBINATIONS. INCLUDED ARE SIX DIRECTORIES CONTAINING LISTS OF 118 OWNERS, 10 MANUFACTURERS, 26 CAMERA TYPES, 32 LENS TYPES, 3 CALIBRATION AGENCIES, AND 4 NOMINAL FOCAL LENGTHS. THE CALIBRATION DATA CONTAINED IN EACH ENTRY INCLUDE FOCAL LENGTH, FIDUCIAL-MARK COORDINATES, INDICATED PRINCIPAL POINT COORDINATES, POINT OF AUTOCOLLIMATION COORDINATES, A TABLE OF RADIAL LENS-DISTORTION CORRECTIONS AT 1-MM INTERVALS, A TABLE OF RADIAL AND TAGENTIAL LENS RESOLUTION, AND A TABLE OF MODEL FLATNESS. DATA BANK ENTRIES MAY BE RETRIEVED BY USING UP TO 11 KEY CODES IN CONJUNCTION WITH A BATCH COMPUTER RUN FROM ANY USGS TERMINAL. ALL ENTRIES THAT SATISFY ALL THE SPECIFIED KEYS WILL BE RETRIEVED. THE 11 KEYS ARE OWNER CODE, MANUFACTURER CODE, CAMERA-TYPE CODE, CAMERA NUMBER, LENS-TYPE CODE, NOMINAL FOCAL-LENGTH CODE, LENS NUMBER, MAGAZINE NUMBER, CALIBRATION-AGENCY CODE, AND MONTH AND YEAR OF CALIBRATION. THE RETRIEVED DATA MAY BE PRINTED AND (OR) PUNCHED. THE SIX DIRECTORIES AND AN INFORMATION LIST OF THE DATA BANK ENTRIES MAY BE PRINTED.

Comments:

CALIBRATION DATA AND TEST RESULTS ARE CONSIDERED TO BE PRIVATE INFORMATION SINCE THEY PERTAIN TO THE PROPERTY OF A CAMERA OWNER. OTHER INFORMATION SUCH AS SERIAL NUMBERS, TYPES, CODES, NAMES, AND DATES IS CONSIDERED TO BE PUBLIC INFORMATION.

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Data Base Name:	CONGRESSIONAL DISTRICT QUADRANGLE FILE
Acronym:	CONGR
DB Type:	MISSION SUPPORT
Contact Person:	WONG, RICHARD B.
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION OFFICE OF PLANS AND PROGRAM DEVELOPMENT 513 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6751 (FTS) 928-6751

NATIONAL MAPPING DIVISION  
DATA BASES

Spatial Data Type: GRID  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY, NATIONAL  
MAPPING DIVISION  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
No. of Records: 80,000 RECORDS  
Bytes per Record: 92 BYTES  
Total Bytes in DB: 7,360,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV; EASYTRIEVE  
Subject Coverage: REPRESENTS PARTS OF A 7.5-MIN  
QUADRANGLE WITHIN WHICH A GIVEN  
COUNTY AND CONGRESSIONAL DISTRICT  
ARE LOCATED

Geographical Coverage:

US; 48 CONTERMINOUS STATES OF THE US

Sources of Data:

CREATED AND MAINTAINED BY OFFICE OF PLANS AND PROGRAM  
DEVELOPMENT OF THE NATIONAL MAPPING DIVISION

Documentation:

EXISTS ONLY IN THE FORM OF MEMORANDA

Systems Which Access Data Base:

DISTRIBUTION OF EXPENDITURES BY COUNTY AND CONGRESSIONAL  
DISTRICTS

Keywords:

CONGRESSIONAL DISTRICT; DISTRIBUTION OF EXPENDITURES; RBS;  
RESOURCES BALANCING SYSTEM; TOPOGRAPHIC MAPPING

Definition/Description:

THE CONGRESSIONAL DISTRICT QUADRANGLE FILE IS A FILE  
CONTAINING RECORDS DESCRIBING PARTS OF 7.5-MIN CELLS IN  
THE 48 CONTERMINOUS STATES. EACH RECORD REPRESENTS THAT  
PART OF THE QUADRANGLE THAT COVERS A PARTICULAR STATE,  
COUNTY, AND CONGRESSIONAL DISTRICT SUBDIVISION. THE  
PROPORTIONAL PART OF THE 7.5-MIN CELL IS DENOTED WITH A  
PERCENTAGE VALUE. DATA PERTAINING TO GEOGRAPHIC LOCATION  
(SOUTHEAST COORDINATES) OF THE CELL AND STATE, COUNTY,  
CONGRESSIONAL DISTRICT, AND PERCENTAGE ARE RECORDED.

Comments:

THIS FILE IS USED PRIMARILY TO COMPUTE EXPENDITURES BY  
CONGRESSIONAL DISTRICT.

NATIONAL MAPPING DIVISION  
DATA BASES

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Data Base Name: GEOGRAPHIC NAMES DATA BASE  
Acronym: GNIS/GEONAMES  
DB Type: SPATIAL; SCIENTIFIC AND TECHNICAL;  
MISSION SUPPORT; BIBLIOGRAPHIC  
Structure: HIERARCHIC  
Contact Person: PAYNE, ROGER L.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
523 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6262 (FTS) 928-6262  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1970 - PRESENT  
Data Base Status: OPERATIONAL  
Users: EDUCATIONAL COMMUNITY; FEDERAL AND  
STATE AGENCIES; GENERAL PUBLIC;  
PRIVATE INDUSTRY; U.S. GEOLOGICAL  
SURVEY  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUBLICATION; MICROFORM;  
INTERACTIVE TERMINAL  
Storage Media: DISK  
No. of Records: 2,000,000 RECORDS  
Bytes per Record: 20,000 BYTES  
Growth Rate: 25 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; FORTRAN IV; ASSEMBLER;  
GIPSY; EASYTRIEVE  
DBMS: GIPSY  
Subject Coverage: GEOGRAPHIC NAMES AND ATTENDANT  
DATA IN THE US AND ITS TERRITORIES.  
Geographical Coverage:  
US; US AND ITS TERRITORIES  
Sources of Data:  
U.S. FOREST SERVICE MAPS, USGS TOPOGRAPHIC MAPS, NATIONAL  
OCEAN SURVEY CHARTS, BOARD ON GEOGRAPHIC NAMES FILES  
(INCLUDES FIELD REPORTS FROM VARIOUS FEDERAL AND STATE  
AGENCIES), OTHER FEDERAL MAPS AND PUBLICATIONS, STATE AND  
COUNTY MAPS AND PUBLICATIONS, AND OTHER PERTINENT SOURCES

NATIONAL MAPPING DIVISION  
DATA BASES

Documentation:

PAYNE, ROGER L., 1982, GNIS USER'S GUIDE, 110 P.

Keywords:

BOARD ON GEOGRAPHIC NAMES DECISIONS; GAZETTEER; GEOGRAPHIC  
COORDINATE; GEOGRAPHIC NAME; NAME; OFFICIAL GAZETTEER;  
OFFICIAL GEOGRAPHIC NAME; OFFICIAL PLACE NAME; PLACE  
ELEVATION; PLACE NAME; TOPONYM

Definition/Description:

THE GEOGRAPHIC NAMES DATA BASE IS UTILIZED WITH THE  
GEOGRAPHIC NAMES INFORMATION SYSTEM (GNIS) OF THE U.S.  
GEOLOGICAL SURVEY, WHICH IS DESIGNED TO SERVE BOTH  
INTERNAL SYSTEMS AND EXTERNAL NAME SHIPPING, AND POINT  
LOCATION SYSTEMS. GNIS PROVIDES A RAPID MEANS OF  
ORGANIZING AND SUMMARIZING CURRENT INFORMATION ABOUT NAMED  
CULTURAL OR PHYSICAL GEOGRAPHIC ENTITIES. GNIS/GEONAMES  
CONSISTS OF VARIABLE-LENGTH RECORDS CONTAINING THE BASIC  
INFORMATION NEEDED TO OFFICIALLY IDENTIFY AND LOCATE A  
NAMED GEOGRAPHIC PLACE OR FEATURE IN ANY GIVEN STATE. THE  
INFORMATION CONSISTS OF TEXT, NUMERIC DATA, AND CODES.  
SOME TOPICS COVERED ARE NAME, TYPE OF FEATURE, STATE AND  
COUNTY LOCATIONS, GEOGRAPHIC COORDINATES, ELEVATION,  
TOPOGRAPHIC MAPS, AND OTHER REFERENCES. THE DATA ARE  
PROCESSED BY THE GIPSY PROGRAM, WHICH PERFORMS ALL THE  
PROCESSING TASKS NEEDED TO BUILD, OPERATE, AND MAINTAIN  
THE GNIS FILE. THE SOPHISTICATED RETRIEVAL PROGRAM ALLOWS  
THE USER TO MAKE HIGHLY SELECTIVE SEARCHES OF THE FILE FOR  
WORDS, PARTS OF WORDS, PHRASES, NUMERIC DATA, WORD RANGES,  
NUMERICAL RANGES, AND OTHERS AND TO INTERRELATE VARIABLES  
BY LOGIC STATEMENTS TO ANY DEGREE OF REFINEMENT DESIRED.  
THREE PRINT OPTIONS ARE AVAILABLE, OR RETRIEVED DATA CAN  
BE PASSED TO ANOTHER PROGRAM FOR FURTHER PROCESSING.

Comments:

FILES ARE UPDATED CONTINUOUSLY TO REFLECT ACTIONS OF THE  
BOARD ON GEOGRAPHIC NAMES AND REVISED MAP USE.

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Data Base Name:	HIGH PLAINS LANDSAT IRRIGATED LANDS DATA
Acronym:	LCLS-HP
DB Type:	SPATIAL
Contact Person:	THELIN, GAIL P.
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION U.S. GEOLOGICAL SURVEY GEOGRAPHICS INVESTIGATIONS OFFICE NASA AMES RESEARCH CENTER 240-8 MOFFET FIELD, CA 94035



NATIONAL MAPPING DIVISION  
DATA BASES

Telephone: (415) 965-6368 (FTS) 448-6368  
Spatial Data Type: GRID  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1978 - 1980  
Data Base Status: OPERATIONAL  
Users: USGS WATER RESOURCES DIVISION;  
STATE OF TEXAS; U.S. AIR FORCE  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: INTERACTIVE IMAGE DISPLAY; BATCH  
COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
No. of Records: 320,000 RECORDS  
Bytes per Record: 3,200 BYTES  
Total Bytes in DB: 1,024,000,000 BYTES  
Growth Rate: 0 PERCENT PER YEAR  
Computer Makes and Models: SEL 32/77  
Computer Locations: AMES RESEARCH CENTER, MOFFETT  
FIELD, CA  
Languages: FORTRAN  
Subject Coverage: IRRIGATED LANDS DATA FROM LANDSAT  
BY INDIVIDUAL FRAMES AND BY GRID  
CELLS 1 DEGREE LATITUDE BY 1  
DEGREE LONGITUDE  
Geographical Coverage:  
REGIONAL US; HIGH PLAINS AQUIFER - TEXAS, NEW MEXICO,  
KANSAS, NEBRASKA, COLORADO, SOUTH DAKOTA, WYOMING, AND  
OKLAHOMA  
Sources of Data:  
LANDSAT MULTISPECTRAL SCANNER DATA  
Documentation:  
HEIMES, F.J., AND LUCKEY, R.R., 1983, ESTIMATING 1980  
GROUNDWATER PUMPAGE FOR IRRIGATION ON THE HIGH PLAINS IN  
PARTS OF COLORADO, KANSAS, NEBRASKA, NEW MEXICO, OKLAHOMA,  
SOUTH DAKOTA, TEXAS, AND WYOMING: U.S. GEOLOGICAL SURVEY  
WATER-RESOURCES INVESTIGATIONS REPORT 83-4123, 36 P.  
LUCKEY, R.R., AND FERRIGNO, C.F., 1982, A DATA-MANAGEMENT  
SYSTEM FOR AREAL INTERPRETIVE DATA FOR THE HIGH PLAINS IN  
PARTS OF COLORADO, KANSAS, NEBRASKA, NEW MEXICO, OKLAHOMA,  
SOUTH DAKOTA, TEXAS, AND WYOMING: U.S. GEOLOGICAL SURVEY  
WATER-RESOURCES INVESTIGATIONS REPORT 82-4072, 112 P.  
THELIN, G.P., JOHNSON, T.L., AND JOHNSON, R.A., 1979,  
MAPPING IRRIGATED CROPLAND ON THE HIGH PLAINS USING  
LANDSAT, IN SATELLITE HYDROLOGY: AMERICAN WATER RESOURCES  
ASSOCIATION, P. 715-721.

NATIONAL MAPPING DIVISION  
DATA BASES

Keywords:

IRRIGATED LANDS; LAND COVER; HIGH PLAINS; LANDSAT;  
OGALLALA AQUIFER

Definition/Description:

LAND COVER, PARTICULARLY IRRIGATED LAND FOR THE AREA OF THE HIGH PLAINS (OGALLALA) AQUIFER, WAS MAPPED FROM LANDSAT MULTISPECTRAL SCANNER DATA ACQUIRED IN 1978 AND AGAIN IN 1980. IMAGE PROCESSING SOFTWARE AT AMES RESEARCH CENTER WAS USED BY USGS SCIENTISTS TO DEFINE SPECTRAL CLASSES, REGISTER DATA TO LATITUDE AND LONGITUDE, AND DIGITALLY MOSAIC LANDSAT SCENES AFTER THE DERIVED DATA HAD BEEN GENERALIZED TO GRID CELLS 1 DEGREE LATITUDE BY 1 DEGREE LONGITUDE. LAND COVER DATA FOR IRRIGATED CROPLAND, NONIRRIGATED CROPLAND, AND RANGELAND ARE AVAILABLE FOR INDIVIDUAL LANDSAT SCENES AS WELL AS IN MOSAIC FORM. MUCH OF THE WORK WAS SPONSORED BY NASA AS A JOINT RESEARCH PROJECT. CONTRACTORS AND COOPERATORS HAVE INCLUDED NASA AMES RESEARCH CENTER, TECHNICOLOR GOVERNMENT SERVICES, AND INFORMATICS, INC.

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Data Base Name:	INVENTORY OF PUBLISHED MAPS
Acronym:	T-70
DB Type:	MISSION SUPPORT
Contact Person:	HILL, EDWARD E.
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION OFFICE OF PROGRAM MANAGEMENT 511 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6216 (FTS) 928-6216
Coordinate System:	LATITUDE/LONGITUDE; UTM NORTHINGS AND EASTINGS; STATE PLANE COORDINATES
Time Span:	1884 - 1978
Data Base Status:	OPERATIONAL
Users:	DEFENSE MAPPING AGENCY; U.S. GEOLOGICAL SURVEY; NATIONAL MAPPING DIVISION
Availability for Use/Access:	UNLIMITED
Access Method:	BATCH
Output Media:	MAGNETIC TAPE; PUBLICATION; MICROFORM
Storage Media:	MAGNETIC TAPE
No. of Records:	103,304 RECORDS
Bytes per Record:	200 BYTES
Total Bytes in DB:	20,660,800 BYTES

NATIONAL MAPPING DIVISION  
DATA BASES

Growth Rate: 3 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
DBMS: NONE  
Subject Coverage: PUBLISHED MAPS  
Geographical Coverage:  
US; VARIOUS SCALES (1:24,000 - 1:2,000,000) OF TOPOGRAPHIC  
AND PLANIMETRIC MAPS  
Sources of Data:  
USGS NATIONAL MAPPING DIVISION, OTHER FEDERAL AGENCIES  
Systems Which Access Data Base:  
TOPOGRAPHIC RESOURCES AND COST EVALUATION

Keywords:  
PUBLISHED MAP; QUADRANGLE MAPPING; TOPOGRAPHIC MAP SERIES

Definition/Description:  
THE INVENTORY OF PUBLISHED MAPS FILE CONTAINS DESCRIPTOR  
RECORDS OF NMD PUBLISHED MAPS, DEFENSE MAPPING AGENCY  
(15-MIN US 1:50,000 SCALE) AND BUREAU OF LAND MANAGEMENT  
(1:100,000 SCALE) MAPS. THE MAP LOCATION IS GIVEN BY THE  
LATITUDE AND LONGITUDE OF THE SOUTHEAST (LOWER RIGHT)  
CORNER OF THE QUADRANGLE. SERIES, LOCATION, SCALE,  
CONTOUR INTERVAL, SURVEY, PUBLICATION, AND REVISION DATES  
ARE SPECIFIED. TOPOGRAPHIC MAP INVENTORY DATA ELEMENTS  
INCLUDE MAP SERIES, LATITUDE AND LONGITUDE, EDITION,  
SURVEY, PUBLICATION AND REVISION DATES, TYPE OF MAPPING,  
CONTOUR INTERVALS, PUBLISHED NAME, MAJOR AND MINOR STATES  
COVERED, AND SQUARE MILES OF COVERAGE.

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Data Base Name: LAND COVER DATA FROM LANDSAT OF  
BOISE, IDAHO, 1975  
Acronym: LCLS-BOISE75  
DB Type: SPATIAL  
Contact Person: GAYDOS, LEONARD J.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
NASA AMES RESEARCH CENTER 240-8  
MOFFETT FIELD, CA 94035  
Telephone: (415) 965-6368 (FTS) 448-6368  
Spatial Data Type: GRID  
Coordinate System: UTM NORTHINGS AND EASTINGS  
Data Base Status: OPERATIONAL  
Users: ADA COUNTY PLANNING ASSOCIATION;  
NASA AMES RESEARCH CENTER; PACIFIC  
NORTHWEST REGIONAL COMMISSION;  
U.S. GEOLOGICAL SURVEY

NATIONAL MAPPING DIVISION  
DATA BASES

Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 2,660 RECORDS  
Bytes per Record: 3,985 BYTES  
Total Bytes in DB: 10,600,100 BYTES  
Computer Makes and Models: IBM 360/67  
Computer Locations: AMES RESEARCH CENTER, MOFFETT  
FIELD, CA  
Languages: PL/1  
Subject Coverage: LAND USE AND LAND COVER DATA FOR  
BOISE, IDAHO, AUTOMATED DIGITAL  
CARTOGRAPHY, REMOTE SENSING,  
LANDSAT, AND MULTISPECTRAL SCANNER  
DIGITAL DATA

Geographical Coverage:  
QUADS; BOISE, IDAHO, QUADRANGLE

Sources of Data:  
COMPUTER PROCESSING OF LANDSAT MULTISPECTRAL SCANNER DATA  
Documentation:  
NONE

Keywords:  
GEOGRAPHIC INFORMATION; LAND COVER; LAND USE; LANDSAT;  
MULTISPECTRAL SCANNER; VEGETATION

Definition/Description:  
LAND COVER OF THE BOISE, IDAHO, QUADRANGLE (1:250,000  
SCALE) WAS MAPPED FROM LANDSAT MULTISPECTRAL SCANNER DATA  
ACQUIRED DURING A LANDSAT PASS ON 5 AUGUST 1975 (ID  
2194-17523). SPECTRAL CLASSES WERE DEFINED BY USGS  
ANALYSTS WORKING WITH NASA AMES RESEARCH CENTER, THE  
PACIFIC NORTHWEST REGIONAL COMMISSION, AND THE ADA COUNTY  
PLANNING ASSOCIATION. THE EDITOR SYSTEM, DEVELOPED BY THE  
CENTER FOR ADVANCED COMPUTATION AT THE UNIVERSITY OF  
ILLINOIS WAS USED TO CONDUCT THE ANALYSIS.

Comments:  
THESE DATA WERE COLLECTED IN 1975.

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Data Base Name: LAND COVER DATA FROM LANDSAT OF  
PHOENIX, ARIZONA, 1973  
Acronym: LCLS-PHOENIX73  
DB Type: SPATIAL  
Contact Person: GAYDOS, LEONARD J.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
NASA AMES RESEARCH CENTER 240-8  
MOFFETT FIELD, CA 94035

NATIONAL MAPPING DIVISION  
DATA BASES

Telephone: (415) 965-6368 (FTS) 448-6368  
Spatial Data Type: GRID  
Coordinate System: UTM NORTHINGS AND EASTINGS  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY, NATIONAL  
MAPPING DIVISION  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 727 RECORDS  
Bytes per Record: 1,145 BYTES  
Total Bytes in DB: 832,415 BYTES  
Computer Makes and Models: IBM 360/67  
Computer Locations: AMES RESEARCH CENTER, MOFFETT  
FIELD, CA  
Languages: PL/1  
Subject Coverage: LAND USE AND LAND COVER DATA,  
LANDSAT, REMOTE SENSING, AUTOMATED  
DIGITAL CARTOGRAPHY, MULTISPECTRAL  
SCANNER DIGITAL DATA, PHOENIX,  
MARICOPA COUNTY, AZ  
Geographical Coverage:  
REGIONAL US; PHOENIX, MARICOPA COUNTY, AZ  
Sources of Data:  
COMPUTER PROCESSING OF LANDSAT MULTISPECTRAL SCANNER DATA  
Documentation:  
ELLEFSSEN, R. A., GAYDOS, LEONARD, AND WRAY, J. R.,  
COMPUTER-AIDED MAPPING OF LAND USE USING ERTS  
MULTISPECTRAL SCANNER DATA: PRIMER CONGRESO PANAMERICAN Y  
TERCERO NACIONAL DE FOTOGRAMETRIA, FOTOINTERPRETACION, Y  
GEODESIA, MEXICO CITY, JULY 1974  
Keywords:  
GEOGRAPHIC INFORMATION; LAND COVER; LAND USE; LANDSAT;  
MULTISPECTRAL SCANNER; VEGETATION  
Definition/Description:  
LAND COVER OF PHOENIX, AZ, AND SURROUNDING MARICOPA COUNTY  
WAS MAPPED FROM MULTITEMPORAL LANDSAT MULTISPECTRAL  
SCANNER DATA ACQUIRED 16 OCTOBER 1972 (ID 1283-17334) AND  
2 MAY 1963 (ID 1085-17330). THE DATA WERE REGISTERED AND  
THEN ANALYZED BY USGS ANALYSTS USING THE EDITOR SYSTEM  
DEVELOPED BY THE CENTER FOR ADVANCED COMPUTATION AT THE  
UNIVERSITY OF ILLINOIS. EARLIER WORK IN DEFINING SPECTRAL  
CLASSES WAS DONE BY USGS ANALYSTS AT THE LABORATORY FOR  
APPLICATIONS OF REMOTE SENSING AT PURDUE UNIVERSITY.

NATIONAL MAPPING DIVISION  
DATA BASES

Comments:

THESE DATA WERE COLLECTED IN 1973.

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Data Base Name: LAND COVER DATA FROM LANDSAT OF  
PUGET SOUND, WASHINGTON, 1975  
Acronym: LCLS-PUGET75  
DB Type: SPATIAL  
Contact Person: GAYDOS, LEONARD J.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION,  
NASA AMES RESEARCH CENTER 240-8  
MOFFETT FIELD, CA 94035  
Telephone: (415) 965-6368 (FTS) 448-6368  
Spatial Data Type: GRID  
Coordinate System: UTM NORTHINGS AND EASTINGS  
Data Base Status: OPERATIONAL  
Users: CITY OF TACOMA; JEFFERSON-PORT  
TOWNSEND REGIONAL COUNCIL; KING  
COUNTY; KITSAP COUNTY; MASON  
COUNTY; METRO; NASA AMES RESEARCH  
CENTER; PACIFIC NORTHWEST REGIONAL  
COMMISSION; PIERCE COUNTY; PUGET  
SOUND COUNCIL OF GOVERNMENTS;  
SNOHOMISH COUNTY; THURSTON COUNTY;  
UNIVERSITY OF WASHINGTON; U.S.  
GEOLOGICAL SURVEY, NATIONAL  
MAPPING DIVISION; WASHINGTON  
DEPARTMENT OF ECOLOGY; WASHINGTON  
DEPARTMENT OF GAME; WASHINGTON  
OFFICE OF COMMUNITY DEVELOPMENT  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 2,578 RECORDS  
Bytes per Record: 3,925 BYTES  
Total Bytes in DB: 10,118,650 BYTES  
Computer Makes and Models: IBM 360/67  
Computer Locations: AMES RESEARCH CENTER, MOFFETT  
FIELD, CA  
Languages: PL/1  
Subject Coverage: LAND USE AND LAND COVER DATA,  
WASHINGTON, PUGET SOUND, AUTOMATED  
DIGITAL CARTOGRAPHY, REMOTE  
SENSING, LANDSAT, AND  
MULTISPECTRAL SCANNER DIGITAL DATA

NATIONAL MAPPING DIVISION  
DATA BASES

Geographical Coverage:

US STATE; WASHINGTON STATE, PUGET SOUND REGION

Sources of Data:

COMPUTER PROCESSING OF LANDSAT MULTISPECTRAL SCANNER DATA

Documentation:

ELLEFSSEN, RICHARD A., AND OTHERS, COMPUTER-AIDED MAPPING OF LAND USE AND LAND COVER USING LANDSAT MULTISPECTRAL DATA CHAPTER 7, IN ANDERSON, JAMES R., ED., LAND USE AND LAND COVER MAPS AND STATISTICS FROM REMOTELY SENSED DATA, RSEMS (REMOTE SENSING OF THE ELECTROMAGNETIC SPECTRUM), OCTOBER 1977. GAYDOS, LEONARD, AND NEWLAND, W.L., 1978, INVENTORY OF LAND USE AND LAND COVER OF THE PUGET SOUND REGION USING LANDSAT DIGITAL DATA: U.S. GEOLOGICAL SURVEY JOURNAL OF RESEARCH, V. 6, NO. 6, P. 807-814.

Keywords:

GEOGRAPHIC INFORMATION; LAND COVER; LAND USE; LANDSAT; MULTISPECTRAL SCANNER; VEGETATION

Definition/Description:

LAND COVER OF THE PUGET SOUND REGION OF WASHINGTON WAS MAPPED FROM LANDSAT MULTISPECTRAL SCANNER DATA ACQUIRED DURING A LANDSAT PASS ON 23 JULY 1975 (ID 2182-18201). FIFTY-TWO SPECTRAL CLASSES WERE DEFINED BY USGS ANALYSTS WORKING WITH NASA AMES RESEARCH CENTER, THE PACIFIC NORTHWEST REGIONAL COMMISSION, AND STATE AND LOCAL AGENCIES FROM THE REGION. THE EDITOR SYSTEM, DEVELOPED BY THE CENTER FOR ADVANCED COMPUTATION AT THE UNIVERSITY OF ILLINOIS WAS USED TO CONDUCT THE ANALYSIS.

Comments:

THESE DATA WERE COLLECTED IN 1975.

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Data Base Name:	LAND COVER DATA FROM LANDSAT OF WASHINGTON, DC, 1973
Acronym:	LCLS-WASH73
DB Type:	SPATIAL
Contact Person:	GAYDOS, LEONARD J.
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION NASA AMES RESEARCH CENTER 240-8 MOFFETT FIELD, CA 94035
Telephone:	(415) 965-6368 (FTS) 448-6368
Spatial Data Type:	GRID
Coordinate System:	UTM NORTHINGS AND EASTINGS
Data Base Status:	OPERATIONAL
Users:	IBM CORPORATION; U.S. BUREAU OF THE CENSUS; U.S. GEOLOGICAL SURVEY
Availability for Use/Access:	LIMITED

NATIONAL MAPPING DIVISION  
DATA BASES

Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 787 RECORDS  
Bytes per Record: 985 BYTES  
Total Bytes in DB: 775,195 BYTES  
Computer Makes and Models: IBM 360/67  
Computer Locations: AMES RESEARCH CENTER, MOFFETT  
FIELD, CA  
Languages: PL/1  
Subject Coverage: LAND USE AND LAND COVER DATA,  
WASHINGTON, DC, MARYLAND,  
VIRGINIA, AUTOMATED DIGITAL  
CARTOGRAPHY, REMOTE SENSING,  
LANDSAT, MULTISPECTRAL SCANNER  
DIGITAL DATA

Geographical Coverage:

US STATE; DISTRICT OF COLUMBIA, MARYLAND, VIRGINIA

Sources of Data:

COMPUTER PROCESSING OF LANDSAT MULTISPECTRAL SCANNER DATA

Documentation:

GAYDOS, LEONARD, WRAY, J. R., AND GUPTILL, S. C., 1976,  
DIGITAL LAND COVER CLASSIFICATION OF THE WASHINGTON URBAN  
AREA DERIVED FROM LANDSAT DATA, 1972 AND 1973: U.S.  
GEOLOGICAL SURVEY GEOGRAPHY PROGRAM MAGNETIC TAPE  
DOI/DF-77/003. AVAILABLE FROM NATIONAL TECHNICAL  
INFORMATION SERVICE, SPRINGFIELD, VA 22161, AS PB-264  
650/3WN. GAYDOS, LEONARD, AND WRAY, J. R., 1978, LAND  
COVER MAP FROM LANDSAT, 1973, WITH CENSUS TRACTS,  
WASHINGTON, URBAN AREA, DC, MD, AND VA: U.S. GEOLOGICAL  
SURVEY MISCELLANEOUS INVESTIGATIONS MAP I-858-F, SCALE  
1:100,000.

Keywords:

GEOGRAPHIC INFORMATION; LAND COVER; LAND USE; LANDSAT;  
MULTISPECTRAL SCANNER; VEGETATION

Definition/Description:

LAND COVER OF THE WASHINGTON, DC, URBAN AREA WAS MAPPED  
FROM LANDSAT MULTISPECTRAL SCANNER DATA ACQUIRED DURING  
PASSES ON 11 OCTOBER 1972 AND 9 APRIL 1973 (SCENE ID'S  
1080-15192 AND 1260-15201). THE DATA WERE REGISTERED, EACH  
PASS TO THE OTHER, AND THEN REGISTERED TO THE UTM  
PROJECTION. TWENTY-SIX SPECTRAL CLASSES WERE DEFINED BY  
USGS ANALYSTS USING FACILITIES AT THE LABORATORY FOR  
APPLICATIONS OF REMOTE SENSING AT PURDUE UNIVERSITY. THESE  
CLASSES HAVE BEEN IDENTIFIED AS 11 LAND COVER CLASSES.  
MULTISPECTRAL CLASSIFICATION WAS DONE BY USING THE ILLIAC  
IV PARALLEL PROCESSING COMPUTER AT AMES RESEARCH CENTER,  
CA, USING THE EDITOR SYSTEM DEVELOPED BY THE CENTER FOR  
ADVANCED COMPUTATION AT THE UNIVERSITY OF ILLINOIS.



NATIONAL MAPPING DIVISION  
DATA BASES

Comments:

THESE DATA WERE COLLECTED IN 1973.

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Data Base Name: LAND COVER DATA FROM LANDSAT OF  
WESTERN WASHINGTON STATE, 1974  
Acronym: LCLS-WWASH74  
DB Type: SPATIAL  
Contact Person: GAYDOS, LEONARD J.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
NASA AMES RESEARCH CENTER 240-8  
MOFFETT FIELD, CA 94035  
Telephone: (415) 965-6368 (FTS) 448-6368  
Spatial Data Type: GRID  
Coordinate System: UTM NORTHINGS AND EASTINGS  
Data Base Status: OPERATIONAL  
Users: CITY OF TACOMA; JEFFERSON-PORT  
TOWNSEND REGIONAL COUNCIL; NASA  
AMES RESEARCH CENTER; KING COUNTY;  
KITSAP COUNTY; MASON COUNTY;  
METRO; PACIFIC NORTHWEST REGIONAL  
COMMISSION; PIERCE COUNTY; PUGET  
SOUND COUNCIL OF GOVERNMENTS;  
SNOHOMISH COUNTY; THURSTON COUNTY;  
UNIVERSITY OF WASHINGTON; U.S.  
GEOLOGICAL SURVEY; WASHINGTON  
DEPARTMENT OF GAME; WASHINGTON  
OFFICE OF COMMUNITY DEVELOPMENT  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 7,925 RECORDS  
Total Bytes in DB: 20,546,697 BYTES  
Computer Makes and Models: IBM 360/67  
Computer Locations: AMES RESEARCH CENTER, MOFFETT  
FIELD, CA  
Languages: PL/1  
Subject Coverage: LAND USE AND LAND COVER DATA,  
WASHINGTON, OREGON, BRITISH  
COLUMBIA AUTOMATED DIGITAL  
CARTOGRAPHY, REMOTE SENSING,  
LANDSAT, MULTISPECTRAL SCANNER  
DIGITAL DATA

NATIONAL MAPPING DIVISION  
DATA BASES

Geographical Coverage:

US STATE; WASHINGTON, OREGON, BRITISH COLUMBIA, PUGET  
SOUND REGION

Sources of Data:

COMPUTER PROCESSING OF LANDSAT MULTISPECTRAL SCANNER DATA

Documentation:

GAYDOS, LEONARD, AND NEWLAND, W. L., 1978, INVENTORY OF  
LAND USE AND LAND COVER OF THE PUGET SOUND REGION USING  
LANDSAT DIGITAL DATA: U.S. GEOLOGICAL SURVEY JOURNAL OF  
RESEARCH, V.6, NO. 6, P. 807-814. GAYDOS, L. J., 1978,  
LOW-COST COMPUTER CLASSIFICATION OF LAND COVER IN THE  
PORTLAND AREA, OREGON, BY SIGNATURE EXTENSION TECHNIQUES:  
U.S. GEOLOGICAL SURVEY JOURNAL OF RESEARCH, V.6, NO. 6, P.  
815-820.

Keywords:

GEOGRAPHIC INFORMATION; LAND COVER; LAND USE; LANDSAT;  
MULTISPECTRAL SCANNER; VEGETATION

Definition/Description:

LAND COVER OF WESTERN WASHINGTON AND ADJACENT PARTS OF  
OREGON AND BRITISH COLUMBIA WAS MAPPED FROM LANDSAT  
MULTISPECTRAL SCANNER DATA ACQUIRED DURING A LANDSAT PASS  
ON 13 JUNE 1974. THREE CONSECUTIVE SCENES (1690-18243,  
1690-18245, AND 1690-28252) WERE MAPPED BY USING SPECTRAL  
SIGNATURES BASED ON THE CENTRAL SCENE COVERING THE PUGET  
SOUND REGION. THIRTY-EIGHT SPECTRAL CLASSES WERE DEFINED  
BY USGS ANALYSTS WORKING WITH NASA AMES RESEARCH CENTER,  
THE PACIFIC NORTHWEST REGIONAL COMMISSION, AND STATE AND  
LOCAL AGENCIES FROM THE REGION. THE EDITOR SYSTEM,  
DEVELOPED BY THE CENTER FOR ADVANCED COMPUTATION AT THE  
UNIVERSITY OF ILLINOIS WAS USED TO CONDUCT THE ANALYSIS.  
EXTENSION OF THE SPECTRAL SIGNATURES TO THE ADJACENT  
SCENES WAS AN EXPERIMENT IN SIGNATURE EXTENSION.

Comments:

THESE DATA WERE COLLECTED IN 1974.

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Data Base Name:	MAIN IMAGE FILE
Acronym:	MIF
DB Type:	SPATIAL
Structure:	HIERARCHIC
Contact Person:	LOWELL, BRENT
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION EROS DATA CENTER MUNDT FEDERAL BUILDING SIOUX FALLS, SD 57198
Telephone:	(605) 594-6511 EXT 555 (FTS) 784-7555

NATIONAL MAPPING DIVISION  
DATA BASES

Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1971 - PRESENT  
Data Base Status: OPERATIONAL  
Users: DEPARTMENT OF AGRICULTURE;  
NATIONAL AERONAUTICS AND SPACE  
ADMINISTRATION; NATIONAL OCEANIC  
AND ATMOSPHERIC ADMINISTRATION;  
USGS NATIONAL CARTOGRAPHIC  
INFORMATION CENTER (CURRENTLY FOUR  
LOCATIONS); DEFENSE MAPPING  
AGENCY; ENVIRONMENTAL PROTECTION  
AGENCY; U.S. ARMY CORPS OF  
ENGINEERS; U.S. FISH AND WILDLIFE  
SERVICE; WORLD BANK; U.S.  
GEOLOGICAL SURVEY; CANADA CENTER  
FOR REMOTE SENSING  
Availability for Use/Access: UNLIMITED  
Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT;  
PUBLICATION; MICROFORM  
Storage Media: DISK  
No. of Records: 1,750,000 RECORDS  
Bytes per Record: 83 BYTES  
Total Bytes in DB: 145,250,000 BYTES  
Computer Makes and Models: BUR  
Computer Locations: SIOUX FALLS, SD  
Languages: PL/1  
DBMS: DMS II  
Subject Coverage: AERIAL PHOTOGRAPHY OF THE US  
EXCEPT NASA COVERAGE, WHICH  
INCLUDES SATELLITE COVERAGE (BOTH  
MANNED AND UNMANNED CRAFT AND IN  
BOTH FILM AND DIGITAL FORM)  
Geographical Coverage:  
WORLDWIDE; WORLDWIDE FOR LANDSAT IMAGERY  
Sources of Data:  
BUREAU OF INDIAN AFFAIRS, BUREAU OF LAND MANAGEMENT,  
BUREAU OF RECLAMATION, DEPARTMENT OF AIR FORCE, DEPARTMENT  
OF THE ARMY, DEPARTMENT OF THE NAVY, NATIONAL AERONAUTICS  
AND SPACE ADMINISTRATION, NATIONAL SPACE TECHNOLOGY  
LABORATORY, U.S. ARMY CORPS OF ENGINEERS  
Documentation:  
UNPUBLISHED REFERENCE GUIDE TO THE ELEMENTS OF THE INORAC  
DATA BASE

NATIONAL MAPPING DIVISION  
DATA BASES

Systems Which Access Data Base:

INQUIRY, ORDER AND ACCOUNTING SYSTEM

Keywords:

AERIAL PHOTOGRAPHY; IMAGERY; REMOTELY SENSED DATA

Definition/Description:

THE DATA BASE NAME, MAIN IMAGE FILE,, IS ACTUALLY SOMETHING OF A MISNOMER. RATHER THAN ONE FILE, IT IS A GROUP OF DATA STRUCTURES THAT ARE LOGICALLY RELATED. THESE DATA STRUCTURES ARE THE ACCESSION, SOURCE LOCATOR LIST (SLL), AND SOURCE DATA SETS. AN ACCESSION IS DEFINED AS A UNIQUE VIEW OF THE EARTH. THE ACCESSION DATA SET CONTAINS INFORMATION THAT DESCRIBES EACH ACCESSION (INFORMATION SUCH AS QUALITY, CLOUD COVER, AND GEOGRAPHIC LOCATION). THIS DATA SET IS USED MAINLY FOR RESEARCH AND INQUIRY PURPOSES. THE SLL IS A DISJOINTED DATA SET THAT SERVES AS A RELATIONAL STRUCTURE TO LOGICALLY LINK ACCESSIONS WITH THEIR SOURCES. A SOURCE IS DEFINED AS A PHYSICAL MEDIUM ON WHICH AN ACCESSION EXISTS. THE SOURCE DATA SET CONTAINS INFORMATION PERTAINING TO THE VARIOUS PHYSICAL MEDIA ON WHICH IMAGERY IS MAINTAINED (FOR EXAMPLE, FILM, HIGH-DENSITY TAPE, OR CCT).

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Data Base Name:	MAP AND CHART INFORMATION SYSTEM FILE
Acronym:	MCIS FILE
DB Type:	SPATIAL
Structure:	SORTED SEQUENTIAL
Contact Person:	GUSS, PHILIP
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION NATIONAL CARTOGRAPHIC INFORMATION CENTER 509 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6508 (FTS) 928-6508
Spatial Data Type:	POLYGON
Coordinate System:	LATITUDE/LONGITUDE; UTM NORTHINGS AND EASTINGS; STATE PLANE COORDINATES
Time Span:	1884 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY; OTHER FEDERAL, STATE, AND PUBLIC CUSTOMERS OF THE NATIONAL CARTOGRAPHIC INFORMATION CENTER VIA MICROFICHE PRODUCTS
Availability for Use/Access:	LIMITED

NATIONAL MAPPING DIVISION  
DATA BASES

Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT; MICROFORM  
Storage Media: MAGNETIC TAPE  
No. of Records: 150,000 RECORDS  
Bytes per Record: 300 BYTES  
Total Bytes in DB: 45,000,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; FORTRAN IV; DISSPLA  
DBMS: NONE  
Subject Coverage: MAPS AND CHARTS  
Geographical Coverage: US; US AND TERRITORIAL POSSESSIONS  
Sources of Data: FEDERAL, STATE, AND LOCAL GOVERNMENTS, PRIVATE MAPMAKERS,  
UNIVERSITY MAP LIBRARIES  
Documentation: MCIS DATA PREPARATION GUIDE, MCIS EDITING AND MAINTENANCE  
GUIDE  
Keywords: BATHYMETRY; CHARTS; COORDINATES; COUNTIES; ELEVATIONS;  
MAPS; STATES  
Definition/Description: THE MAP AND CHART INFORMATION SYSTEM FILE CONTAINS  
DESCRIPTOR RECORDS OF USGS TOPOGRAPHIC MAPS, NATIONAL  
OCEAN SURVEY NAUTICAL CHARTS, AND DOMESTIC DEFENSE MAPPING  
AGENCY AND U.S. ARMY CORPS OF ENGINEERS MAPS. DATA  
ELEMENTS INCLUDE COORDINATES, SCALE, NAME, PUBLICATION AND  
SURVEY DATES, MAP NAME, MICROFILM STORAGE LOCATION, STATE  
COVERAGE, HORIZONTAL AND VERTICAL DATUMS, PRICE,  
PUBLISHER, TYPE OF COPY, EDITION NUMBER, INSET  
DESCRIPTIONS, CONTOUR INTERVALS, AND TOWNSHIP AND RANGE.

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Data Base Name: NATIONAL ATLAS  
DB Type: SPATIAL; SCIENTIFIC AND TECHNICAL;  
MISSION SUPPORT  
Structure: HIERARCHIC  
Contact Person: PAYNE, ROGER L.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
523 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6261 (FTS) 928-6261  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE

NATIONAL MAPPING DIVISION  
DATA BASES

Data Base Status: UNDER DEVELOPMENT  
Users: U.S. GEOLOGICAL SURVEY; OTHER  
FEDERAL, STATE, AND LOCAL  
AGENCIES; PUBLIC  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; INTERACTIVE TERMINAL  
Storage Media: DISK  
No. of Records: 40,565 RECORDS  
Total Bytes in DB: 811,300 BYTES  
Growth Rate: 20 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; FORTRAN IV; ASSEMBLER  
DBMS: GIPSY  
Subject Coverage: US, US TERRITORIES, SELECTED  
INTERNATIONAL ENTRIES OF  
GEOGRAPHIC PLACE NAMES, INDEX TO  
USGS NATIONAL INDEX  
Geographical Coverage:  
WORLDWIDE; US, US TERRITORIES, SELECTED INTERNATIONAL  
ENTRIES  
Sources of Data:  
INDEX TO THE NATIONAL ATLAS OF THE USA  
Documentation:  
THE NATIONAL ATLAS OF THE USA, 1979: U.S. GEOLOGICAL  
SURVEY, 417 P. PAYNE, R.L., 1982, GNIS USER'S GUIDE, 110 P.  
Systems Which Access Data Base:  
GEOGRAPHIC NAMES INFORMATION SYSTEM  
Keywords:  
GEOGRAPHIC COORDINATES; GEOGRAPHIC NAMES; PLACE NAMES; US  
ATLAS; NATIONAL ATLAS INDEX  
Definition/Description:  
THE NATIONAL ATLAS DATA BASE IS UTILIZED WITH THE  
GEOGRAPHIC NAMES INFORMATION SYSTEM (GNIS) OF THE U.S.  
GEOLOGICAL SURVEY, WHICH IS DESIGNED TO SERVE BOTH  
INTERNAL SYSTEMS AND EXTERNAL NAME SHIPPING AND POINT  
LOCATION SYSTEMS. GNIS PROVIDES A RAPID MEANS OF  
ORGANIZING AND SUMMARIZING CURRENT INFORMATION ABOUT NAMED  
CULTURAL OR PHYSICAL GEOGRAPHIC ENTITIES. NATIONAL ATLAS  
CONSISTS OF VARIABLE-LENGTH RECORDS CONTAINING DATA  
RECORDED IN THE INDEX TO THE NATIONAL ATLAS OF THE US.  
THE INFORMATION REFERS TO WELL-KNOWN NAMED PLACES,  
PHYSICAL FEATURES, AND ADMINISTRATIVE AREAS, SUCH AS  
NATIONAL PARKS, NATIONAL AND STATE FORESTS, NATIONAL  
WILDLIFE AREAS, AND INDIAN RESERVATIONS. THE INFORMATION  
CONSISTS OF TEXT, NUMERIC DATA, AND CODES. SOME TOPICS  
COVERED ARE NAME, FEATURE, CLASS, GEOGRAPHIC COORDINATES,

NATIONAL MAPPING DIVISION  
DATA BASES

POPULATION, STATE, COUNTY, AND KEY REFERENCE TO A MAP IN THE NATIONAL ATLAS. THE DATA ARE PROCESSED BY THE GIPSY PROGRAM, WHICH PERFORMS ALL THE PROCESSING TASKS NEEDED TO BUILD, OPERATE, AND MAINTAIN THE GNIS FILE. THE SOPHISTICATED RETRIEVAL PROGRAM ALLOWS THE USER TO MAKE HIGHLY SELECTIVE SEARCHES OF THE FILE FOR WORDS, PARTS OF WORDS, PHRASES, NUMERIC DATA, WORD RANGES, NUMERICAL RANGES, AND OTHERS AND TO INTERRELATE VARIABLES BY LOGIC STATEMENTS TO ANY DEGREE OF REFINEMENT DESIRED. THREE PRINT OPTIONS ARE AVAILABLE, OR THE RETRIEVED DATA CAN BE PASSED TO ANOTHER PROGRAM FOR FURTHER PROCESSING.

Comments:

THE DATA HAVE NOT BEEN VERIFIED AS OF FEBRUARY 1979 BUT ARE CURRENTLY BEING EDITED. EVENTUALLY, THE USATLAS FILE IN THIS DATA BASE WILL BECOME THE ABRIDGED GAZETTEER OF THE US. THESE DATA WERE COLLECTED IN 1970.

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Data Base Name:	NATIONAL CARTOGRAPHIC INFORMATION CENTER CARTOGRAPHIC CATALOG FILE
Acronym:	CC FILE
DB Type:	BIBLIOGRAPHIC
Structure:	UNSORTED SEQUENTIAL
Contact Person:	KETCH, CLAIR
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION NATIONAL CARTOGRAPHIC INFORMATION CENTER 509 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6508 (FTS) 928-6508
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE; UTM NORTHINGS AND EASTINGS; STATE PLANE COORDINATES
Time Span:	1722 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY; OTHER FEDERAL, STATE, AND PUBLIC CUSTOMERS OF NATIONAL CARTOGRAPHIC INFORMATION CENTER (NCIC) VIA MICROFICHE PRODUCTS
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	INTERACTIVE TERMINAL; BATCH COMPUTER PRINTOUT; MICROFORM
Storage Media:	DISK
No. of Records:	38,000 RECORDS

NATIONAL MAPPING DIVISION  
DATA BASES

Bytes per Record: 500 BYTES  
Total Bytes in DB: 19,000,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
DBMS: GIPSY  
Subject Coverage: CURRENT AND HISTORICAL MAPS,  
AERIAL PHOTOGRAPHS, GEODETIC DATA,  
AND DIGITAL CARTOGRAPHIC DATA

Geographical Coverage:  
US; US AND TERRITORIAL POSSESSIONS

Sources of Data:  
ENCODED NCIC DATA FROM MISCELLANEOUS CARTOGRAPHIC SOURCES,  
LIBRARY OF CONGRESS MARC FILE, STATE CONTRIBUTOR INPUTS

Documentation:  
CARTOGRAPHIC CATALOG INPUT PROCESSING GUIDE; CARTOGRAPHIC  
CATALOG USER SERVICES GUIDE; CARTOGRAPHIC CATALOG DATA  
PREPARATION GUIDE

Keywords:  
CHART; DIGITAL CARTOGRAPHIC DATA; GEODETIC DATA; MAP;  
PHOTOGRAPH; AREA IDENTIFICATION

Definition/Description:  
THE NCIC CARTOGRAPHIC CATALOG FILE CONTAINS BROAD  
DESCRIPTIVE INFORMATION ABOUT SERIES OR COLLECTIONS OF  
CARTOGRAPHIC PRODUCTS, INCLUDING LOCATOR INFORMATION.  
DETAILED INFORMATION ON ONE-OF-A-KIND PRODUCTS, SUCH AS  
HISTORICAL MAPS AT THE LIBRARY OF CONGRESS, IS RECORDED IN  
THE FILE. SUMMARY DESCRIPTIONS OF GEODETIC DATA, DIGITAL  
CARTOGRAPHIC DATA, AND AERIAL PHOTOGRAPHS ARE ALSO  
RECORDED.

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Data Base Name: NATIONAL CARTOGRAPHIC INFORMATION  
SYSTEM TOPOGRAPHIC QUADRANGLE  
Acronym: NCISTQ  
DB Type: SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: PREVATTE, DOREEN M.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
NATIONAL CARTOGRAPHIC INFORMATION CENTER  
509 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6508 (FTS) 928-6508  
Spatial Data Type: POLYGON  
Coordinate System: LATITUDE/LONGITUDE



NATIONAL MAPPING DIVISION  
DATA BASES

Data Base Status: OPERATIONAL  
Users: USGS MAPPING CENTERS; USGS  
NATIONAL CARTOGRAPHIC INFORMATION  
CENTERS; USGS NATIONAL MAPPING  
DIVISION  
Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; MICROFORM  
Storage Media: MAGNETIC TAPE; MICROFORM  
No. of Records: 52,245 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 4,179,600 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: MAP MATERIAL QUADRANGLE INFORMATION  
Geographical Coverage: US  
Sources of Data: NATIONAL CARTOGRAPHIC INFORMATION CENTER  
Documentation: TOPOGRAPHIC QUADRANGLE INFORMATION SYSTEM, 1979  
Keywords: MAP CENTER; TOPOGRAPHIC MAP; TOPOGRAPHIC QUADRANGLE  
Definition/Description: THE NCICTQ WAS DESIGNED JOINTLY BY THE SYSTEMS ANALYSIS  
AND RESEARCH SECTION AND NATIONAL CARTOGRAPHIC INFORMATION  
CENTER. THE NCICTQ HAS BEEN FOUND PARTICULARLY HELPFUL IN  
PROVIDING INFORMATION FOR MAPS IN THE INTERMEDIATE SCALE.  
ONE PROGRAM PROVIDES MICROFICHE. UPDATES TO THE FILE OF  
52,245 RECORDS ARE MADE PERIODICALLY.  
Comments: THESE DATA WERE COLLECTED IN 1978.

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Data Base Name: NATIONAL DIGITAL CARTOGRAPHIC DATA  
BASE - DIGITAL ELEVATION MODEL  
Acronym: NDCDB/DEM  
DB Type: SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: DEMPSEY, THOMAS  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
536 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6336 (FTS) 928-6336  
Spatial Data Type: GRID

NATIONAL MAPPING DIVISION  
DATA BASES

Coordinate System: UTM NORTHINGS AND EASTINGS  
Time Span: 1977 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS NATIONAL MAPPING DIVISION;  
USGS GEOLOGIC DIVISION; EROS DATA  
CENTER; PRIVATE CONTRACTORS

Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
Bytes per Record: 320,000 BYTES  
Total Bytes in DB: 2,785,000,000 BYTES  
Computer Makes and Models: SEL 32/77; AMDAHL 470/V7  
Computer Locations: RESTON, VA  
Subject Coverage: ARRAYS OF ELEVATION DATA  
Geographical Coverage:  
US; REGIONAL COVERAGE OF SELECTED AREAS OF THE US.  
STANDARD UNIT OF COVERAGE IS A SINGLE 7.5-MIN QUADRANGLE.  
ELEVATIONS ARE GRIDDED AT 30-M SPACING.

Sources of Data:  
DATA ARE COLLECTED FROM SCANNED AERIAL PHOTOGRAPHY, MANUAL  
PROFILING SYSTEMS, AND GRIDDED ELEVATION CONTOUR  
COMPILATIONS OF NEW 1:24,000-SCALE QUADRANGLE MAPS. AT  
PRESENT, ALL DATA ARE BEING GENERATED WITHIN THE NATIONAL  
MAPPING DIVISION.

Documentation:  
COMPUTER FILES FOR DIGITAL ELEVATION MODELS, 1980.  
USGS/NCIC USER GUIDE TO DIGITAL ELEVATION MODELS (DRAFT),  
1981.

Keywords:  
DIGITAL CARTOGRAPHY; MAPPING; GRIDDED DATA STRUCTURE;  
ELEVATION MATRIX; DIGITAL ELEVATION MODEL (DEM);  
HYPSOGRAPHY

Definition/Description:  
SELECTED US REGIONAL COVERAGE OF DIGITAL ELEVATION MODELS  
(DEM'S) CONSISTING OF SAMPLED ARRAYS OF ELEVATION VALUES  
COVERING A SINGLE 7.5-MIN TOPOGRAPHIC QUADRANGLE. THE  
DATA ARE RESAMPLED (FILTERED) TO A GROUND POSITION  
INTERVAL OF 30 M. NEW DATA ARE ADDED ON THE BASIS OF  
MAPPING REQUIREMENTS OF THE USGS AND OTHER FEDERAL  
AGENCIES. THIS PORTION OF THE DIGITAL CARTOGRAPHIC DATA  
BASE IS REFERRED TO COLLECTIVELY AS US GEODATA. THE DATA  
ARE DISTRIBUTED THROUGH THE NATIONAL MAPPING DIVISION.  
CONTACT NCIC FOR DOCUMENTATION, AVAILABILITY OF SPECIFIC  
COVERAGE, OUTPUT FORMATS, AND CURRENT PRICE. THE DATA ARE  
NOT AVAILABLE FOR GENERAL ONLINE ACCESS.

NATIONAL MAPPING DIVISION  
DATA BASES

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Data Base Name: NATIONAL DIGITAL CARTOGRAPHIC DATA  
BASE - DMA DIGITAL ELEVATION MODEL  
Acronym: NDCDB/DMAD  
DB Type: SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: DEMPSEY, THOMAS  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
EASTERN-NCIC  
536 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6336 (FTS) 928-6336  
Spatial Data Type: GRID  
Coordinate System: UTM NORTHINGS AND EASTINGS  
Time Span: 1965 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS NATIONAL MAPPING DIVISION;  
USGS GEOLOGIC DIVISION; EROS DATA  
CENTER; OTHER FEDERAL AGENCIES;  
PRIVATE CONTRACTORS  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 3,900,000,000 BYTES  
Computer Makes and Models: AMDAHL 470/V7  
Computer Locations: RESTON, VA  
Subject Coverage: ARRAYS OF ELEVATION DATA  
Geographical Coverage:  
US; REGIONAL COVERAGE OF APPROXIMATELY 90 PERCENT OF THE  
US. THE STANDARD UNIT OF COVERAGE IS A BLOCK ONE DEGREE  
BY ONE DEGREE. THE THREE ELEVATION DATA DENSITIES ARE (1)  
CONTERMINOUS US - ELEVATIONS SPACED EVERY 3 ARC SECONDS OF  
LATITUDE AND LONGITUDE, RESULTING IN AN ARRAY 1201 X 1201  
(1,442,401 ELEVATIONS), (2) ALASKA SOUTH OF 70 N -  
ELEVATIONS SPACED EVERY 3 SECONDS IN LATITUDE AND 6  
SECONDS IN LONGITUDE, RESULTING IN AN ARRAY 601 X 1201  
(721,801 ELEVATIONS), (3) ALASKA NORTH OF 70 N -  
ELEVATIONS SPACED EVERY 3 SECONDS IN LATITUDE AND 9  
SECONDS IN LONGITUDE, RESULTING IN AN ARRAY 401 X 1201  
(481,601 ELEVATIONS).

NATIONAL MAPPING DIVISION  
DATA BASES

Sources of Data:

DATA WERE DERIVED BY GRIDDING CONTOURS DIGITIZED PRIMARILY FROM 1:250,000-SCALE SOURCE US MAPS. ALL DATA ARE PROVIDED TO USGS BY THE DEFENSE MAPPING AGENCY. ELEVATION ACCURACY IS BASED ON CONTOUR INTERVAL OF DIGITIZED SOURCE MATERIAL.

Documentation:

COMPUTER FILES FOR DIGITAL ELEVATION MODELS, 1980.  
USGS/NCIC USER GUIDE TO DIGITAL ELEVATION MODELS (DRAFT), 1981.

Keywords:

DIGITAL CARTOGRAPHY; MAPPING; GRIDDED DATA STRUCTURE;  
ELEVATION MATRIX; DIGITAL ELEVATION MODEL (DEM);  
HYPSOGRAPHY; DEFENSE MAPPING AGENCY (DMA)

Definition/Description:

SELECTED US REGIONAL COVERAGE OF DIGITAL ELEVATION MODELS (DEM'S) CONSISTING OF SAMPLED ARRAYS OF ELEVATION VALUES COVERING A SINGLE ONE DEGREE BY ONE DEGREE BLOCK (USUALLY HALF OF A 1:250,000-SCALE USGS MAP). THE ELEVATION DATA DENSITY VARIES ACCORDING TO ONE OF THREE GEOGRAPHIC REGIONS - CONTERMINOUS US, ALASKA SOUTH OF 70 DEGREES NORTH LATITUDE, AND ALASKA NORTH OF 70 DEGREES NORTH LATITUDE. THE DATA ARE DISTRIBUTED THROUGH THE NATIONAL MAPPING DIVISION. CONTACT THE NATIONAL CARTOGRAPHIC INFORMATION CENTER FOR DOCUMENTATION, AVAILABILITY OF SPECIFIC COVERAGE, OUTPUT FORMATS, AND CURRENT PRICE. THE DATA ARE NOT AVAILABLE FOR GENERAL ONLINE ACCESS.

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Data Base Name:	NATIONAL DIGITAL CARTOGRAPHIC DATA BASE - LAND USE/LAND COVER
Acronym:	NDCDB/GRAS
DB Type:	SPATIAL
Structure:	SORTED SEQUENTIAL
Contact Person:	DEMPSEY, THOMAS
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION EASTERN-NCIC 536 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6336 (FTS) 928-6336
Spatial Data Type:	POLYGON
Coordinate System:	UTM NORTHINGS AND EASTINGS
Time Span:	1972 - PRESENT
Data Base Status:	OPERATIONAL
Users:	BUREAU OF THE CENSUS; FOREST SERVICE STATE COOPERATORS; U.S.

NATIONAL MAPPING DIVISION  
DATA BASES

FISH AND WILDLIFE SERVICE; STATE AGENCIES  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; PUBLICATION  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 4,000,000,000 BYTES  
Computer Makes and Models: AMDAHL 470/V7  
Computer Locations: RESTON, VA  
Subject Coverage: LAND USE AND LAND COVER, CENSUS TRACTS, POLITICAL BOUNDARIES, HYDROLOGIC UNITS, FEDERAL LAND OWNERSHIP, AND COMPOSITE THEME GRID (ALL CATEGORIES)

Geographical Coverage:

US; FOR POLYGON DATA, EACH DATA SET CONTAINS A SINGLE COVERAGE CATEGORY FOR A COMPLETE 1:100,000- OR 1:250,000-SCALE USGS MAP. FOR GRIDDED DATA, ALL POLYGON CATEGORIES FOR THE GEOGRAPHIC AREA ARE COMBINED IN A SINGLE DATA SET. SOME EARLY PROCESSING DONE IN COOPERATION WITH INDIVIDUAL STATES MAY CONTAIN DATA COVERAGE FOR THAT STATE ONLY.

Sources of Data:

DATA ARE DIGITIZED FROM COMPILATIONS OF LAND USE AND LAND COVER POLYGONS AT A SOURCE MAP SCALE OF EITHER 1:250,000 OR 1:100,000. THE GRID-STRUCTURED FILES ARE PRODUCED BY OVERLAYING ALL POLYGON CATEGORIES FOR A SINGLE GEOGRAPHIC AREA.

Documentation:

MITCHELL, W.B., GUPTILL, S.C., ANDERSON, K.E., FEGEAS, R.G., AND HALLAM, C.A., 1977, GIRAS: A GEOGRAPHIC INFORMATION RETRIEVAL AND ANALYSIS SYSTEM FOR HANDLING LAND USE AND LAND COVER DATA: U.S. GEOLOGICAL SURVEY PROFESSIONAL PAPER 1059, 16 P.

Keywords:

DIGITAL CARTOGRAPHY; MAPPING; TOPOLOGIC STRUCTURE; GRID STRUCTURE; LAND USE; LAND COVER; CENSUS TRACT; FEDERAL LAND; HYDROLOGIC UNIT; POLITICAL BOUNDARY; GEOGRAPHIC INFORMATION RETRIEVAL AND ANALYSIS SYSTEM (GIRAS)

Definition/Description:

SELECTED US REGIONAL COVERAGE OF LAND USE AND LAND COVER DATA IN EITHER TOPOLOGICALLY STRUCTURED POLYGON OR GRIDDED DATA FORMAT. DATA ARE ADDED ON THE BASIS OF MAPPING REQUIREMENTS OF THE USGS, OTHER FEDERAL AGENCIES, AND STATE COOPERATIVE AGREEMENTS. THIS PORTION OF THE DIGITAL CARTOGRAPHIC DATA BASE IS REFERRED TO COLLECTIVELY AS US GEODATA. THE DATA ARE DISTRIBUTED THROUGH THE NATIONAL MAPPING DIVISION. CONTACT THE NATIONAL CARTOGRAPHIC INFORMATION CENTER FOR DOCUMENTATION, AVAILABILITY OF SPECIFIC COVERAGE, OUTPUT THE DATA ARE NOT AVAILABLE FOR GENERAL ONLINE ACCESS.

NATIONAL MAPPING DIVISION  
DATA BASES

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Data Base Name: NATIONAL DIGITAL CARTOGRAPHIC DATA  
BASE - LARGE/INTERMEDIATE SCALE  
PLANIMETRIC  
Acronym: NDCDB/DLGD  
DB Type: SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: DEMPSEY, THOMAS  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
EASTERN-NCIC  
536 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6336 (FTS) 928-6336  
Spatial Data Type: LINE  
Coordinate System: LATITUDE/LONGITUDE; ARBITRARY X, Y  
COORDINATES  
Time Span: 1979 - PRESENT  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY; BUREAU OF  
LAND MANAGEMENT; U.S. FOREST  
SERVICE; U.S. FISH AND WILDLIFE  
SERVICE; CENSUS; PRIVATE COMPANIES  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 98,000,000 BYTES  
Computer Makes and Models: AMDAHL 470/V7  
Computer Locations: RESTON, VA  
Subject Coverage: TRANSPORTATION (ROADS, RAILROADS,  
PIPELINES, TRANSMISSION LINES),  
HYDROGRAPHY (RIVERS, STREAMS,  
WATER BODIES, CANALS), BOUNDARIES  
(POLITICAL, ADMINISTRATIVE),  
PUBLIC LAND SURVEY SYSTEM  
Geographical Coverage:  
REGIONAL US; REGIONAL COVERAGE OF SELECTED AREAS OF THE  
US. STANDARD UNIT OF COVERAGE IS A SINGLE 7.5-MIN  
TOPOGRAPHIC MAP SHEET

NATIONAL MAPPING DIVISION  
DATA BASES

Sources of Data:

DATA ARE DIGITIZED FROM USGS STANDARD MAP SERIES SOURCE AT SCALES OF 1:24,000, 1:25,000, 1:48,000, 1:62,500, AND 1:100,000. LIMITED REVISION OF THE EXISTING PUBLISHED MAP MAY BE DONE BEFORE DIGITIZING. MAPS AT SCALES SMALLER THAN 1:25,000 ARE NORMALLY DIGITIZED AS MULTIPLE 7.5-MIN UNITS (THAT IS, A COMPLETE 1:100,000-SCALE MAP WOULD BE PROCESSED AS 32 SEPARATE QUADRANGLES.

Documentation:

COMPUTER FILES AND ATTRIBUTE CODES FOR DIGITAL LINE GRAPHS, 1982, USGS/NCIC. DIGITAL LINE GRAPHS FOR 7.5- AND 15-MIN TOPOGRAPHIC QUADRANGLE MAPS, (DLG USER GUIDE) [DRAFT], 1981, USGS/NCIC.

Keywords:

DIGITAL CARTOGRAPHY; MAPPING; TOPOLOGICAL STRUCTURE; DIGITAL LINE GRAPH; CARTOGRAPHIC AUTOMATIC MAPPING (CAM); TRANSPORTATION; HYDROGRAPHY; BOUNDARY; PUBLIC LAND SURVEY

Definition/Description:

SELECTED US REGIONAL COVERAGE OF PLANIMETRIC MAP FEATURES DIGITIZED SOURCE-MAP SCALES VARYING FROM 1:24,000 TO 1:1,000,000. THE LARGEST AMOUNT OF COVERAGE EXISTS FOR THE PUBLIC LAND SURVEY SYSTEM (PLSS) AND BOUNDARY DATA CATEGORIES. DATA ARE ADDED ON THE BASIS OF MAPPING REQUIREMENTS OF THE USGS AND OTHER FEDERAL AGENCIES. THE INFORMATION IS STORED IN TOPOLOGICALLY STRUCTURED DLG-3 FORMAT. THIS PORTION OF THE DIGITAL CARTOGRAPHIC DATA BASE IS REFERRED TO COLLECTIVELY AS US GEODATA. THE DATA ARE DISTRIBUTED THROUGH THE NATIONAL MAPPING DIVISION. CONTACT THE NATIONAL CARTOGRAPHIC INFORMATION CENTER FOR DOCUMENTATION, AVAILABILITY OF SPECIFIC COVERAGE, OUTPUT FORMATS, AND CURRENT PRICE. THE DATA ARE NOT AVAILABLE FOR GENERAL ONLINE ACCESS.

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Data Base Name:	NATIONAL DIGITAL CARTOGRAPHIC DATA BASE - SMALL SCALE PLANIMETRIC
Acronym:	NDCDB/2MIL
DB Type:	SPATIAL
Structure:	SORTED SEQUENTIAL
Contact Person:	DEMPSEY, THOMAS
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION EASTERN - NCIC 536 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6336 (FTS) 928-6336
Spatial Data Type:	LINE

NATIONAL MAPPING DIVISION  
DATA BASES

Coordinate System: LATITUDE/LONGITUDE; ARBITRARY X,Y  
COORDINATES  
Time Span: 1979 - 1981  
Data Base Status: OPERATIONAL  
Users: USGS NATIONAL MAPPING DIVISION;  
USGS GEOLOGIC DIVISION; EROS DATA  
CENTER; OAK RIDGE NATIONAL  
LABORATORY; PRIVATE CONTRACTORS  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 80,000,000 BYTES  
Computer Makes and Models: AMD V7; SEL 32/77  
Computer Locations: RESTON, VA  
Subject Coverage: TRANSPORTATION (MAJOR ROADS,  
RAILROADS), HYDROGRAPHY (RIVERS,  
STREAMS, WATER BODIES), BOUNDARIES  
(POLITICAL, ADMINISTRATIVE),  
CULTURAL FEATURES (AIRPORTS,  
ALASKA PIPELINE), HYP SOGRAPHY  
(CONTINENTAL DIVIDE)  
Geographical Coverage:  
US; FULL COVERAGE OF ALL 50 STATES, 21 MAP SECTIONALS, 3  
PRIMARY DATA CATEGORIES  
Sources of Data:  
SECTIONAL MAPS FROM THE NATIONAL ATLAS UPDATED BEFORE  
MANUAL DIGITIZING AT A SOURCE-MAP SCALE OF 1:2,000,000.  
ALASKAN HYDROGRAPHY WAS DIGITIZED FROM 1:1,000,000-SCALE  
SOURCE MATERIAL.  
Documentation:  
US GEODATA DIGITAL LINE GRAPHS FROM 1:2,000,000-SCALE  
MAPS, USER GUIDE/INTERIM EDITION, USGS/NCIC  
Keywords:  
DIGITAL CARTOGRAPHY; MAPPING; TOPOLOGICAL STRUCTURE;  
DIGITAL LINE GRAPH; CARTOGRAPHIC AUTOMATIC MAPPING (CAM);  
TRANSPORTATION; HYDROGRAPHY; BOUNDARY  
Definition/Description:  
NATIONWIDE COVERAGE AT 1:2,000,000-SCALE OF PLANIMETRIC  
FEATURES DIGITIZED FROM THE NATIONAL ATLAS. AVAILABLE IN  
TOPOLOGICALLY STRUCTURED DLG-3- OR CAM-COMPATIBLE FORMAT.  
THIS PORTION OF THE DIGITAL CARTOGRAPHIC DATA BASE IS  
REFERRED TO COLLECTIVELY AS US GEODATA. THE DATA ARE  
DISTRIBUTED THROUGH THE NATIONAL MAPPING DIVISION.  
CONTACT THE NATIONAL CARTOGRAPHIC INFORMATION CENTER FOR  
DOCUMENTATION, AVAILABILITY OF SPECIFIC COVERAGE, OUTPUT  
FORMATS, AND CURRENT PRICE. THE DATA ARE NOT AVAILABLE  
FOR GENERAL ONLINE ACCESS.



NATIONAL MAPPING DIVISION  
DATA BASES

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Data Base Name: TOPOGRAPHIC MAPS  
DB Type: SPATIAL; SCIENTIFIC AND TECHNICAL  
Structure: HIERARCHIC  
Contact Person: PAYNE, ROGER L.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
523 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6262 (FTS) 928-6262  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: BUREAU OF LAND MANAGEMENT;  
DEPARTMENT OF AGRICULTURE; U.S.  
GEOLOGICAL SURVEY; PUBLIC; OTHER  
FEDERAL, STATE, AND LOCAL AGENCIES  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; INTERACTIVE TERMINAL;  
PUBLICATION  
Storage Media: DISK  
No. of Records: 50,000 RECORDS  
Bytes per Record: 150 BYTES  
Total Bytes in DB: 7,500,000 BYTES  
Growth Rate: 20 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; FORTRAN IV; ASSEMBLER  
DBMS: GIPSY  
Subject Coverage: ACCEPTED AND PROPOSED NAMES FOR  
7.5-MIN TOPOGRAPHIC MAPS OF ALL  
STATES, THE DISTRICT OF COLUMBIA,  
AND TERRITORIES  
Geographical Coverage:  
US STATE; US, DISTRICT OF COLUMBIA, AND TERRITORIES  
Sources of Data:  
USGS QUADRANGLE-NAME RECORDS, BOARD ON GEOGRAPHIC NAMES  
AND REGIONAL MAPPING CENTERS

NATIONAL MAPPING DIVISION  
DATA BASES

Documentation:

PAYNE, R.L., GNIS USER'S GUIDE, 1982, 110 P.

Systems Which Access Data Base:

GEOGRAPHIC NAMES INFORMATION SYSTEM

Keywords:

MAP NAME; MAP SCALE; MAP; NAME; QUADRANGLE MAP;

TOPOGRAPHIC MAP; 7.5 MINUTE QUADRANGLE

Definition/Description:

THE TOPOGRAPHIC MAPS DATA BASE IS UTILIZED WITH THE GEOGRAPHIC NAMES INFORMATION SYSTEM (GNIS) OF THE U.S. GEOLOGICAL SURVEY, WHICH IS DESIGNED TO SERVE BOTH INTERNAL SYSTEMS AND EXTERNAL NAME SHIPPING AND POINT LOCATION SYSTEMS. GNIS PROVIDES A RAPID MEANS OF ORGANIZING AND SUMMARIZING CURRENT INFORMATION ABOUT NAMED CULTURAL OR PHYSICAL GEOGRAPHIC NAME ENTITIES. THE DATA BASE CONTAINS A SEPARATE FILE FOR EACH STATE, THE DISTRICT OF COLUMBIA, AND TERRITORIES CONTAINING ALL 7.5-MIN MAPS PUBLISHED OR PLANNED. AN ADDITIONAL FILE (AUADNAM) CONTAINS ALL 1:100,000- AND 1:250,000-SCALE MAPS. SOME TOPICS COVERED ARE OFFICIAL MAP NAME, PROPOSED MAP NAME, GEOGRAPHIC COORDINATE (SE CORNER), SCALE, STATE(S), MAP SIZE IN MINUTES OF DEGREES, CROSS-REFERENCED BETWEEN 1:100,000- AND 1:250,000-SCALE MAPS. THE SOPHISTICATED RETRIEVAL PROGRAM ALLOWS THE USER TO MAKE HIGHLY SELECTIVE SEARCHES OF THE FILES FOR WORDS, PARTS OF WORDS, PHRASES, NUMERIC DATA, WORD RANGES, NUMERICAL RANGES, AND OTHERS AND TO INTERRELATE VARIABLES BY LOGIC STATEMENTS TO ANY DEGREE OF REFINEMENT DESIRED. THREE PRINT OPTIONS ARE AVAILABLE, OR THE RETRIEVED DATA CAN BE PASSED TO ANOTHER PROGRAM FOR FURTHER PROCESSING.

Comments:

THERE ARE TWO VERSIONS OF THIS DATA BASE. ONE IS ONLINE AND USED REGULARLY FOR USGS WORK, AND ONE IS OFFLINE TO USE AS PUBLICATION DATA FOR PRODUCTS OF THE GEOGRAPHIC NAMES INFORMATION SYSTEM (GNIS). BOTH VERSIONS USE IDENTICAL DATA ELEMENTS. THE ONLY DIFFERENCE BETWEEN THE TWO IS THAT THE ONLINE VERSION CONTAINS NAMES OF PUBLISHED MAPS AND APPROVED NAMES OF UNPUBLISHED MAPS, WHEREAS THE OFFLINE VERSION, WHICH IS USED LESS FREQUENTLY, CONTAINS REFERENCES TO THE APPROPRIATE 15-MIN OR 1:250,000-SCALE MAP OF THE 7.5-MIN MAP, WHICH IS NOT YET PUBLISHED.

NATIONAL MAPPING DIVISION  
DATA BASES

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Data Base Name: TLX  
Acronym: TLX  
DB Type: MISSION SUPPORT  
Structure: SORTED SEQUENTIAL  
Contact Person: MURRAY, DAVID J.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
511 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6215 (FTS) 928-6215  
Time Span: 1977 - 1978  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY, NATIONAL  
MAPPING DIVISION  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 100,000 RECORDS  
Bytes per Record: 201 BYTES  
Total Bytes in DB: 20,100,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: SPECIAL-INTEREST AREAS AND  
SPECIAL-INTEREST AGENCIES  
Geographical Coverage:  
US; CONTERMINOUS 48 STATES OF THE US  
Sources of Data:  
SPECIAL-INTEREST AREA AND SPECIAL-INTEREST AGENCY  
PERSONNEL, TOPOGRAPHIC MAPS AND FILES  
Documentation:  
NONE  
Keywords:  
SPECIAL INTEREST AREAS; TOPOGRAPHIC MAPPING  
Definition/Description:  
ONE RECORD FOR EVERY 7.5-MIN, 15-MIN, AND 1:250,000-SCALE  
MAP AND COUNTY SERIES OF MAPS IN THE CONTERMINOUS US.  
EACH RECORD CONTAINS CODES IDENTIFYING EACH  
SPECIAL-INTEREST AREA AND SPECIAL-INTEREST AGENCY WITHIN  
THE AREA COVERED, ALONG WITH STATE AND COUNTY INFORMATION.

NATIONAL MAPPING DIVISION  
DATA BASES

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Data Base Name: WORLD DATA BANK I  
Acronym: WDBI  
DB Type: SPATIAL  
Structure: SORTED SEQUENTIAL  
Contact Person: STAPLETON, JAMES  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
562 NATIONAL CENTER  
MS 562 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 471-5003 (FTS) 928-7781  
Spatial Data Type: LINE  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1966 - 1967  
Data Base Status: OPERATIONAL  
Users: AMERICAN TELEPHONE AND TELEGRAPH  
LONG LINES; CENTRAL INTELLIGENCE  
AGENCY; DEFENSE INTELLIGENCE  
AGENCY; DEFENSE MAPPING AGENCY;  
OIL COMPANIES; STATES; STATISTICS  
CANADA; USGS  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 100,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 8,000,000 BYTES  
Computer Makes and Models: AMDAHL 470/V7; SEL 32/55  
Computer Locations: RESTON, VA  
Subject Coverage: COASTLINES, NATIONAL BOUNDARIES  
Geographical Coverage:  
WORLDWIDE; WORLDWIDE COVERAGE SEPARATED INTO TWO  
SEQUENTIAL FILES BASED ON COVERAGE TYPE  
Sources of Data:  
1:12,300,000-SCALE WORLD MAP AND 1:9,000,000-SCALE  
ANTARCTICA MAP DIGITIZED IN 1966 AND UPDATED  
Documentation:  
GS-CAM USER'S GUIDE, 1982, NATIONAL MAPPING DIVISION  
OFFICE OF RESEARCH

NATIONAL MAPPING DIVISION  
DATA BASES

Keywords:

DIGITAL CARTOGRAPHY; MAPPING; CARTOGRAPHIC AUTOMATIC  
MAPPING (CAM); SMALL SCALE MAP

Definition/Description:

WORLD DATA BANK I WAS DEVELOPED BY THE CENTRAL  
INTELLIGENCE AGENCY TO DISPLAY WORLD COASTLINES AND  
INTERNATIONAL BOUNDARIES AT SMALL MAP SCALES. THE RECORDS  
ARE FORMATTED FOR USE WITH THE CAM (CARTOGRAPHIC AUTOMATIC  
MAPPING) PLOTTING PACKAGE. THE DATA ARE DISTRIBUTED  
THROUGH THE NATIONAL TECHNICAL INFORMATION SERVICE (NTIS).  
THE VERSION AVAILABLE AT USGS HAS NOT BEEN UPDATED SINCE  
1979.

Comments:

THESE DATA ARE AVAILABLE FOR ONLINE USE ON EITHER THE  
AMDAHL 470/V7 OR THE USGS EASTERN MAPPING CENTER SEL  
32/77. COPIES OF THE DATA MUST BE OBTAINED THROUGH NTIS.  
THE GS-CAM DOCUMENTATION AND SOFTWARE ARE AVAILABLE  
THROUGH THE NATIONAL CARTOGRAPHIC INFORMATION CENTER.

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Data Base Name:	WORLD DATA BANK II
Acronym:	WDBII
DB Type:	SPATIAL
Structure:	SORTED SEQUENTIAL
Contact Person:	STAPLETON, JAMES
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION EASTERN MAPPING CENTER 562 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 471-5003 (FTS) 928-7781
Spatial Data Type:	LINE
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1973 - 1977
Data Base Status:	OPERATIONAL
Users:	AMERICAN TELEPHONE AND TELEGRAPH LONG LINES; CENTRAL INTELLIGENCE AGENCY; DEFENSE INTELLIGENCE AGENCY; DEFENSE MAPPING AGENCY; USGS; STATE AGENCIES; STATISTICS CANADA; PRIVATE OIL COMPANIES; UNIVERSITIES
Availability for Use/Access:	LIMITED
Access Method:	BATCH
Output Media:	MAGNETIC TAPE
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	6,000,000 RECORDS

NATIONAL MAPPING DIVISION  
DATA BASES

Bytes per Record: 20 BYTES  
Total Bytes in DB: 120,000,000 BYTES  
Computer Makes and Models: AMD; SEL 32/77  
Computer Locations: RESTON, VA  
Languages: NOT APPLICABLE  
Subject Coverage: COASTLINE, NATIONAL BOUNDARIES,  
HYDROGRAPHY, AND TRANSPORTATION  
(RAILROADS)

Geographical Coverage:

WORLDWIDE; WORLDWIDE COVERAGE SEPARATED INTO SEVERAL  
SEQUENTIAL OR RANDOM ACCESS FILES BASED ON GEOGRAPHIC  
REGION AND SUBJECT COVERAGE

Sources of Data:

NEW MAP COMPILATIONS WITH AN AVERAGE SCALE OF 3,000,000.  
SOME SMALL NATIONS DIGITIZED AT 1:1,000,000 SCALE AND  
SIBERIA AT 1:4,000,000 SCALE.

Documentation:

GS-CAM USER'S GUIDE, 1982, NATIONAL MAPPING DIVISION  
OFFICE OF RESEARCH

Keywords:

DIGITAL CARTOGRAPHY; MAPPING; SMALL SCALE MAP;  
CARTOGRAPHIC AUTOMATIC MAPPING (CAM); COASTLINE; BOUNDARY;  
HYDROGRAPHY; TRANSPORTATION; RAILROAD

Definition/Description:

WORLD DATA BANK II WAS DEVELOPED BY THE CENTRAL  
INTELLIGENCE AGENCY TO DISPLAY WORLD COASTLINES,  
INTERNATIONAL BOUNDARIES, PRIMARY DRAINAGE, AND SELECTED  
TRANSPORTATION AT SMALL MAP SCALES. THE RECORDS ARE  
FORMATTED FOR USE WITH THE CAM (CARTOGRAPHIC AUTOMATIC  
MAPPING) PLOTTING PACKAGE. THE DATA ARE DISTRIBUTED  
THROUGH THE NATIONAL TECHNICAL INFORMATION SERVICE (NTIS).  
THE VERSION AVAILABLE AT USGS HAS NOT BEEN UPDATED SINCE  
1979. NOT ALL DATA CATEGORIES ARE AVAILABLE IN ALL  
GEOGRAPHIC REGIONS. .

Comments:

THESE DATA ARE AVAILABLE FOR ONLINE USE ON EITHER THE  
AMDAHL 470/V7 OR THE USGS EASTERN MAPPING CENTER SEL  
32/77. COPIES OF THE DATA MUST BE OBTAINED THROUGH NTIS.  
THE GS-CAM DOCUMENTATION AND SOFTWARE ARE AVAILABLE  
THROUGH THE NATIONAL CARTOGRAPHIC INFORMATION CENTER.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: AGENCY CODE FILE  
Acronym: AGCODE  
DB Type: SCIENTIFIC AND TECHNICAL  
Contact Person: MADDY, DAVID V.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6871 (FTS) 928-6871  
Time Span: 1976 - PRESENT  
Data Base Status: OPERATIONAL  
Users: USGS AND REGISTERED WATSTORE USERS  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 400 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 320,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; ASSEMBLY  
Subject Coverage: AGENCY CODES FOR AGENCIES HAVING  
ACCESS TO WATSTORE  
  
Geographical Coverage:  
US  
Sources of Data:  
NATIONAL WATER DATA EXCHANGE (NAWDEX). NAWDEX ASSIGNS A  
CODE TO ALL AGENCIES THAT BECOME NAWDEX MEMBERS.  
Documentation:  
NONE  
Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords:  
ADMINISTRATIVE; INVENTORY; SECURITY  
Definition/Description:  
THIS FILE IS A CROSS-REFERENCE BETWEEN AGENCIES, THEIR  
ASSIGNED CODES, AND THEIR ACCOUNTING CODES AND IS REFERRED  
TO WHEN NON-USGS AGENCIES ATTEMPT TO ACCESS DATA IN  
WATSTORE'S STATION HEADER FILE, DAILY VALUES FILE, AND  
PEAK FLOW FILE. THE FILE IS AN ONLINE ISAM FILE.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: ANNUAL OBSERVATION WELL FILE  
Acronym: AOWF  
DB Type: SPATIAL  
Contact Person: HUDSON, JAMES  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
BOX 26659  
ALBUQUERQUE, NM 87125  
Telephone: (505) 766-2011 (FTS) 474-2011  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE; STATE PLANE  
COORDINATES  
Time Span: 1940 - PRESENT  
Data Base Status: OPERATIONAL  
Users: STATE ENGINEER'S OFFICE; U.S.  
GEOLOGICAL SURVEY  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT;  
MICROFORM; MAGNETIC TAPE;  
PUBLICATION  
Storage Media: MAGNETIC TAPE  
No. of Records: 225,000 RECORDS  
Computer Makes and Models: CDC 6600  
Computer Locations: RESTON, VA; ALBUQUERQUE, NM  
Languages: FORTRAN  
Subject Coverage: GROUNDWATER OBSERVATION, WELL  
WATER LEVEL MEASUREMENTS  
Geographical Coverage: US STATE; STATE OF NEW MEXICO  
Sources of Data: FIELD SURVEY, STATE ENGINEER'S OFFICE  
Documentation: U.S. GEOLOGICAL SURVEY, 1978, WATER RESOURCES DATA FOR NEW  
MEXICO, WATER YEAR 1977: REPORT NM-77-1, 627 P.  
Systems Which Access Data Base: NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords: AQUIFER; GROUNDWATER; HYDROLOGIC DATA; WATER LEVEL



WATER RESOURCES DIVISION  
DATA BASES

Definition/Description:

HISTORICAL FILE OF GROUNDWATER LEVEL MEASUREMENTS AND  
PRODUCING FORMATIONS FOR ALL DECLARED GROUNDWATER BASINS  
IN NEW MEXICO

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Data Base Name: AUTOMATIC DATA PROCESSING  
INVENTORY  
Acronym: ADPINV  
DB Type: BIBLIOGRAPHIC  
Structure: HIERARCHIC  
Contact Person: HALLEY DES FONTAINES, ISABELLE  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6871 (FTS) 928-6871  
Time Span: 1978 - PRESENT  
Data Base Status: OPERATIONAL  
Users: WATER RESOURCES DIVISION  
Availability for Use/Access: UNLIMITED  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 1,000 RECORDS  
Total Bytes in DB: 4,000,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
DBMS: SYSTEM 2000  
Subject Coverage: COMPUTER PROGRAMS, FILES, AND  
PROCEDURE INFORMATION  
Geographical Coverage:  
US  
Sources of Data:  
WATER RESOURCES DIVISION OFFICES PROVIDE INFORMATION ON  
THEIR PROGRAMS, FILES, AND PROCEDURES.  
Documentation:  
WATSTORE USER GUIDE, VOL. 6, CH. 6, SECTIONS B AND C.  
Keywords:  
COMPUTER PROGRAMS; HYDROLOGY

WATER RESOURCES DIVISION  
DATA BASES

Definition/Description:

THIS DATA BASE IS DESIGNED TO CONTAIN ALL PERTINENT INFORMATION ABOUT COMPUTER PROGRAMS, FILES, SUBROUTINES, AND CATALOGED PROCEDURES DEVELOPED BY WATER RESOURCES DIVISION (WRD) PERSONNEL AND (OR) MAINTAINED BY WRD PERSONNEL. THE DATA BASE IS A SYSTEM 2000 DATA BASE MANAGEMENT SYSTEM MAINTAINED ONLINE TO BE USED BY ALL WRD OFFICES THAT REQUIRE INFORMATION CONCERNING AVAILABILITY OF SOFTWARE.

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Data Base Name:	AUTOMATIC DIGITAL RECORDER TAPES
Acronym:	ADR
DB Type:	SPATIAL
Contact Person:	SHOWEN, CHARLES R.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 437 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6871 (FTS) 928-6871
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1960 - PRESENT
Data Base Status:	OPERATIONAL
Users:	CONSULTING ENGINEERS, FEDERAL AND STATE AGENCIES; U.S. GEOLOGICAL SURVEY
Availability for Use/Access:	LIMITED
Output Media:	MAGNETIC TAPE
Storage Media:	PAPER TAPE
Total Bytes in DB:	13,000,000,000 BYTES
Computer Makes and Models:	MITRON TRANSLATOR; AMD V7
Computer Locations:	RESTON, VA
Languages:	PL/1
Subject Coverage:	SURFACE WATER, GROUNDWATER, WATER QUALITY, AND RAINFALL DATA
Geographical Coverage:	US; US AND TERRITORIES
Sources of Data:	WATER RESOURCES DIVISION (WRD) FIELD OFFICES. WATER RESOURCES DATA ARE PUNCHED ON 16-CHANNEL PAPER TAPES AT FIELD SITES TO SUPPORT FIELD INVESTIGATIONS.

WATER RESOURCES DIVISION  
DATA BASES

Documentation:

HUTCHISON, N. E., COMPILER, 1975, WATSTORE--NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM OF THE U.S. GEOLOGICAL SURVEY, USER'S GUIDE, VOL. 1: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 75-426, 532 P. HUTCHISON, N. E., AND OTHERS, 1977, NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM-- INSTRUCTIONS FOR PROCESSING DIGITAL RECORDER DATA: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 77-729-1, 230 P.

Systems Which Access Data Base:

NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:

BASIC DATA; GROUNDWATER; HYDROLOGIC DATA; SURFACE WATER; WATER QUALITY

Definition/Description:

WATER DATA SUCH AS RIVER STAGES, TEMPERATURE, GROUNDWATER LEVELS, SPECIFIC CONDUCTIVITY, AND DISSOLVED OXYGEN ARE PUNCHED ON PAPER TAPE IN THE FIELD IN RAW FORM. OTHER WATSTORE PROGRAMS PROCESS THESE TAPES, AND MEAN, MAXIMUM, OR MINIMUM VALUES ARE STORED IN THE WATSTORE DAILY VALUES FILE. THE TAPES ARE SOMETIMES REANALYZED TO DESCRIBE THE HYDROGRAPHY OF SPECIFIC FLOOD EVENTS OR A LOW-FLOW EVENT. THESE TAPES ARE STORED BY WRD DISTRICT OFFICES OR MAY BE RETRIEVED BY THEM FROM A GENERAL SERVICES ADMINISTRATION RECORDS CENTER.

Comments:

THESE TAPES MUST BE TRANSLATED ONTO A SEVEN-TRACK MAGNETIC TAPE BY USING SPECIAL EQUIPMENT IN ORDER TO BE COMPUTER READABLE.

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Data Base Name:	BASIC WELL DATA FOR PROFESSIONAL PAPER 796
Acronym:	P.P. 796
DB Type:	SPATIAL
Structure:	RELATIONAL
Contact Person:	DOLNACK, DONALD J.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 421 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6031 (FTS) 928-6031
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY; OIL COMPANIES

WATER RESOURCES DIVISION  
DATA BASES

Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUBLICATION; PUNCHED  
CARDS  
Storage Media: MAGNETIC TAPE  
No. of Records: 1,000 RECORDS  
Bytes per Record: 473 BYTES  
Total Bytes in DB: 473,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
DBMS: NONE  
Subject Coverage: SPATIAL DISTRIBUTION OF  
PERMEABILITY  
Geographical Coverage:  
US REGIONAL; ATLANTIC COASTAL PLAIN FROM NORTH CAROLINA TO  
NEW YORK  
Sources of Data:  
P.M. BROWN AND OTHERS, NORTH CAROLINA WATER RESOURCES  
DIVISION DISTRICT  
Documentation:  
BROWN, P. M., MILLER, J. A., AND SWAIN, F. M., 1972,  
STRUCTURAL AND STRATIGRAPHIC FRAMEWORK AND SPATIAL  
DISTRIBUTION OF PERMEABILITY OF THE ATLANTIC COASTAL  
PLAIN, NORTH CAROLINA TO NEW YORK: U.S. GEOLOGICAL SURVEY  
PROFESSIONAL PAPER 796, 79 P.  
Keywords:  
GEOLOGY; HYDROLOGIC DATA; PERMEABILITY; STRATIGRAPHY  
Definition/Description:  
THE BASIC WELL DATA ARE STORED AS FIXED-LENGTH RECORDS AND  
ARE USED TO SUPPORT P.P. 796.

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Data Base Name: BIOLOGICAL ANALYSES OF WATER  
SAMPLES  
Acronym: BIOFILE  
DB Type: SPATIAL  
Contact Person: EDELEN, PHILIP N., OR MADDY, DAVID V.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
NATIONAL WATER QUALITY LABORATORY  
(ATLANTA)  
6481 PEACHTREE-INDEPENDENCE BLVD.  
DORAVILLE, GA 30360  
Telephone: (404) 221-4806 (FTS) 242-4806  
Spatial Data Type: POINT

WATER RESOURCES DIVISION  
DATA BASES

Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATONAL  
Users: U.S. GEOLOGICAL SURVEY, WATER  
RESOURCES DIVISION HYDROLOGISTS  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT;  
PUBLICATION  
Storage Media: DISK  
No. of Records: 40,000 RECORDS  
Total Bytes in DB: 8,000,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: AQUATIC BIOLOGY OF WATER SAMPLES  
Geographical Coverage:  
US; US AND PUERTO RICO  
Sources of Data:  
ANALYSES PERFORMED IN NATIONAL WATER QUALITY LABORATORY  
(NWQL) - ATLANTA ON SAMPLES SUBMITTED BY WATER RESOURCES  
DIVISION FIELD OFFICES  
Documentation:  
NONE  
Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords:  
BIOLOGICAL CHARACTERISTICS; WATER PROPERTIES; WATER QUALITY  
Definition/Description:  
THIS FILE CONSISTS OF VARIABLE-LENGTH RECORDS CONTAINING  
INFORMATION ABOUT WHERE AND WHEN WATER SAMPLES WERE TAKEN  
FOR BIOLOGICAL ANALYSIS. THE RESULTS OF THE ANALYSIS (FOR  
EXAMPLE, ORGANISM GENERA AND ORGANISM COUNTS) ARE STORED.  
DATA ENTRY IS BY A NWQL-MAINTAINED PROGRAM.

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Data Base Name: BIOLOGICAL ORGANISM NAME FILE  
Acronym: ORGFILE  
DB Type: SPATIAL  
Contact Person: EDELEN, PHILIP N.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
NATIONAL WATER QUALITY LABORATORY-  
ATLANTA  
6481 PEACHTREE-INDEPENDENCE BLVD.  
DORAVILLE, GA 30360  
Telephone: (404) 221-4806 (FTS) 242-4806  
Spatial Data Type: POINT

WATER RESOURCES DIVISION  
DATA BASES

Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY, WATER  
RESOURCES DIVISION HYDROLOGISTS  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 4,500 RECORDS  
Total Bytes in DB: 1,000,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Subject Coverage: NAMES OF ORGANISMS, IDENTIFIED TO  
THE GENERAL LEVEL, FOUND IN THE US  
AND PUERTO RICO

Geographical Coverage:  
US; US AND PUERTO RICO

Sources of Data:  
ANALYSTS IN NWQL-ATLANTA IN SUPPORT OF THE BIOLOGICAL  
ANALYSES FILE

Documentation:  
NONE

Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:  
BIOLOGICAL CHARACTERISTICS; WATER PROPERTIES

Definition/Description:  
THIS FILE CONSISTS OF FIXED-LENGTH RECORDS THAT ASSOCIATE  
NUMBERS WITH THE TAXINOMIC NAMES OF AQUATIC ORGANISMS.  
THIS FILE IS IN SUPPORT OF THE WATER RESOURCES DIVISION  
BIOLOGICAL ANALYSES FILE.

\*\*\*\*\*

Data Base Name: CALIFORNIA GROUNDWATER SITE  
INVENTORY  
Acronym: CAGWSI  
DB Type: SPATIAL  
Structure: HIERARCHIC  
Contact Person: MITTEN, HUGH  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
2800 COTTAGE WAY  
SACRAMENTO, CA 95825  
Telephone: (926) 484-4415 (FTS) 468-4606  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL

WATER RESOURCES DIVISION  
DATA BASES

Users: U.S. GEOLOGICAL SURVEY, WATER  
RESOURCES DIVISION, CALIFORNIA  
DISTRICT ONLY

Availability for Use/Access: NOT AVAILABLE

Output Media: BATCH COMPUTER PRINTOUT

Storage Media: DISK

Computer Makes and Models: AMD V7

Computer Locations: RESTON, VA

DBMS: SYSTEM 2000

Subject Coverage: BASIC WELL-LOG INFORMATION

Geographical Coverage: US STATE; STATE OF CALIFORNIA

Sources of Data: CALIFORNIA DEPARTMENT OF WATER RESOURCES

Documentation: NONE

Keywords: GROUNDWATER; HYDROLOGIC DATA; WELL

Definition/Description: THIS DATA BASE IS STRUCTURED EXACTLY LIKE THE WATER  
RESOURCES DIVISION (WRD) GROUNDWATER SITE INVENTORY (GWSI)  
DATA BASE. ACCESS IS RESTRICTED BECAUSE OF CALIFORNIA  
WATER LAWS. PLEASE SEE THE CORRESPONDING ABSTRACT FOR THE  
GWSI DATA BASE. THE CALIFORNIA DATA BASE WAS ESTABLISHED  
BY CHARLES MORGAN (WRD), WITH ASSISTANCE FROM CLAUDE BAKER  
(WRD). THE DATA BASE CONTAINS SELECTED CALIFORNIA WELL  
DATA.

Comments: THE DATA BASE IS PRIVATE AND MAY NOT BE ACCESSED--EITHER  
TO UPDATE OR RETRIEVE DATA--BY ANYONE EXCEPT SELECTED WRD  
CALIFORNIA DISTRICT PERSONNEL.

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Data Base Name: DAILY VALUES FILE

Acronym: DVFILE

DB Type: SPATIAL

Contact Person: STUTHMANN, NEIL G.

Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092

Telephone: (703) 860-6871 (FTS) 928-6871

Spatial Data Type: POINT

Coordinate System: LATITUDE/LONGITUDE

Time Span: 1889 - PRESENT

Data Base Status: OPERATIONAL

Users: STATE SURVEYS; U.S. ARMY CORPS OF  
ENGINEERS

2 - 201

WATER RESOURCES DIVISION  
DATA BASES

Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUBLICATION; PUNCHED CARD  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 517,658 RECORDS  
Bytes per Record: 1,600 BYTES  
Total Bytes in DB: 828,252,800 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: WATER QUANTITY AND QUALITY DATA  
Geographical Coverage:  
    US  
Sources of Data:  
    STATE SURVEYS, U.S. ARMY CORPS OF ENGINEERS, U.S.  
    GEOLOGICAL SURVEY WATER RESOURCES DIVISION HYDROLOGISTS  
    AND TECHNICIANS  
Documentation:  
    HUTCHISON, N. E., COMPILER, 1975, WATSTORE--NATIONAL WATER  
    DATA STORAGE AND RETRIEVAL SYSTEM OF THE U.S. GEOLOGICAL  
    SURVEY--USER'S GUIDE: U.S. GEOLOGICAL SURVEY OPEN-FILE  
    REPORT 75-426, 532 P.  
Systems Which Access Data Base:  
    NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords:  
    DAILY VALUES; GROUNDWATER; STREAM FLOW; WATER DATA; WATER  
    QUALITY  
Definition/Description:  
    THE DAILY VALUES FILE IS THE POINT AT WHICH THE USGS  
    COLLECTS WATER DATA. THE FILE CONTAINS DAILY VALUES FOR  
    STREAM FLOW, RESERVOIR LEVELS, WATER TEMPERATURE, SPECIFIC  
    CONDUCTANCE, AND SEDIMENT DISCHARGE, PLUS SEVERAL OTHER  
    QUALITY PARAMETERS THAT EITHER ARE MEASURED BY MEANS OF  
    MONITORING EQUIPMENT OR RESULT FROM ANALYSES OF SAMPLES  
    COLLECTED ON A DAILY BASIS.

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Data Base Name: DEFINITIONS DATA BASE  
Acronym: DEFINITIONS  
DB Type: BIBLIOGRAPHIC  
Structure: HIERARCHIC  
Contact Person: MORGAN, CHARLES O.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092



WATER RESOURCES DIVISION  
DATA BASES

Telephone: (703) 860-6871 (FTS) 928-6871  
Data Base Status: OPERATIONAL  
Users: REGISTERED WATSTORE USERS  
Availability for Use/Access: LIMITED  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
Total Bytes in DB: 493,415 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: COBOL; PL/1; FORTRAN; SYSTEM 2000  
NATURAL LANGUAGE  
DBMS: SYSTEM 2000  
Subject Coverage: TABLES OF PARAMETERS WITHIN THE  
NATIONAL GROUNDWATER DATA BASE  
Geographical Coverage:  
US; US AND TERRITORIES  
Sources of Data:  
AUTOMATIC DATA SECTION, USGS WATER RESOURCES DIVISION  
Documentation:  
BAKER, C. H., JR., AND FOULK, D. G., 1975, NATIONAL WATER  
DATA STORAGE AND RETRIEVAL SYSTEM--INSTRUCTIONS FOR  
PREPARATION AND SUBMISSION OF GROUNDWATER DATA: U.S.  
GEOLOGICAL SURVEY OPEN-FILE REPORT 75-589, 159 P.  
Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords:  
GROUNDWATER  
Definition/Description:  
THE DEFINITIONS DATA BASE INCLUDES CODES, THEIR  
DESCRIPTIONS, AND RELATED ERROR MESSAGES FORMATTED FOR USE  
BY THE SYSTEM 2000 DATA BASE MANAGEMENT SYSTEM AND THE  
CORRESPONDING GROUNDWATER SITE INVENTORY EDIT PROGRAM.  
INCLUDED ARE LOGICAL RANGES OF NUMERICAL DATA, SUCH AS  
MINIMUM AND MAXIMUM ALTITUDES FOR STATES. ALSO INCLUDED  
ARE LOGICAL ERROR CHECK MESSAGES FOR USE BY EDIT PROGRAM.  
(ONE EXAMPLE WOULD INDICATE THAT DEPTH OF WATER EXCEEDED  
DEPTH OF HOLE.)  
Comments:  
THE DEFINITIONS DATA BASE IS REASONABLY STATIC WITH FEW  
ADDITIONS.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: DIRECT ACCESS DATA INPUT/OUTPUT  
FILE OF SPATIAL TIME SERIES DATA  
FOR NUMERICAL SIMULATION MODELING

Acronym: DADIO

DB Type: SPATIAL

Contact Person: BALTZER, ROBERT A.

Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
430 NATIONAL CENTER  
RESTON, VA 22092

Telephone: (703) 860-6947 (FTS) 928-6947

Spatial Data Type: POINT

Coordinate System: LATITUDE/LONGITUDE; UTM NORTHINGS  
AND EASTINGS

Data Base Status: OPERATIONAL

Users: WATER RESOURCES DIVISION  
COOPERATORS; WATER RESOURCES  
DIVISION DISTRICT PROJECT  
RESEARCHERS

Availability for Use/Access: LIMITED

Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT

Storage Media: MAGNETIC TAPE; DISK

Total Bytes in DB: 13,000,000 BYTES

Computer Makes and Models: AMD V7

Computer Locations: RESTON, VA

Languages: FORTRAN IV

Subject Coverage: HYDROLOGIC, OCEANOGRAPHIC, AND  
METEOROLOGIC INFORMATION

Geographical Coverage: REGIONAL US; DATA DEPICT HYDROLOGIC CHARACTERISTICS AT  
SITES LOCATED IN RIVERINE, ESTUARINE, AND COASTAL WATER  
THROUGHOUT THE US. FILE CAN HANDLE SIMILAR TIME-SERIES  
DATA FROM INTERNATIONAL SITES.

Sources of Data: FIELD-RECORDED INCREMENTAL TIME-SERIES FILE IS COMPOSED OF  
PRECISELY SEQUENCED TIME SERIES OF THE HYDROLOGIC  
PARAMETERS USED WITH FLOW/WATER QUALITY COMPUTER  
SIMULATION MODELS.

Documentation: SCHAFFRANEK, RAYMOND W., AND BALTZER, ROBERT A., 1978,  
FULFILLING MODEL TIME-DEPENDENT DATA REQUIREMENTS, IN  
COASTAL ZONE '78: AMERICAN SOCIETY OF CIVIL ENGINEERS,  
VOL. III, P. 2062-2084. LAI, CHINTU, SCHAFFRANEK, RAYMOND  
W., AND BALTZER, ROBERT A., 1978, AN OPERATIONAL SYSTEM  
FOR IMPLEMENTING SIMULATION MODELS--A CASE STUDY, IN  
VERIFICATION OF MATHEMATICAL AND PHYSICAL MODELS IN

WATER RESOURCES DIVISION  
DATA BASES

HYDRAULIC ENGINEERING: AMERICAN SOCIETY OF CIVIL  
ENGINEERS, P. 455-464

Keywords:

COASTAL ZONE; ESTUARINE; NUMERIC SIMULATION; RIVERINE;  
SIMULATION; TIME DEPENDENT; UNIT VALUES; BOUNDARY  
CONDITIONS

Definition/Description:

THE UTILIZATION OF NUMERICAL FLOW/WATER QUALITY SIMULATION  
MODELS TO GENERATE HYDROLOGIC INFORMATION FOR PLANNING AND  
DECISIONMAKING PURPOSES IS PLAYING AN INCREASINGLY  
IMPORTANT ROLE IN THE EVALUATION OF THE NATION'S WATER  
RESOURCES. THESE MODELS REQUIRE EXTENSIVE AMOUNTS OF  
ACCURATELY TIMED FIELD DATA IN A COMPUTER-SUITABLE FORMAT  
IN ORDER TO ACHIEVE EFFICIENT MODELING OPERATIONS. DATA  
SUCH AS TIME SERIES OF WATER LEVELS, FLOW VELOCITIES,  
WATER TEMPERATURES, SALINITIES, WIND SPEED, AND WIND  
DIRECTION ARE EXAMPLES OF THE INFORMATION USED IN THE  
MODELING. THEREFORE, THE DATA ARE REFERENCED IN BOTH TIME  
(T) AND SPACE (X,Y,Z). SIMILAR TYPES OF DATA GENERATED AS  
A RESULT OF A MODELING EFFORT CAN BE STORED AND RETRIEVED  
FROM THE DADIO FILE AS WELL. DADIO COMPRISES A SET OF  
FIXED-LENGTH RECORDS THAT ARE REFERENCED BY AN INITIAL  
INDEX. THE DATA MAY BE ENTERED OR RETRIEVED IN ANY  
SPECIFIED AMOUNT BY DIRECT ACCESS METHODS AND ARE STORED  
IN EITHER TWO-OR FOUR-BYTE MACHINE-CODE FORMAT, THUS, ALL  
I/O CHARACTER CONVERSIONS ARE ELIMINATED. STORAGE DEVICE  
ACCESSES ARE GREATLY MINIMIZED BY A TRACK INDEXING SCHEME.  
THE SYSTEM IS TRANSPORTABLE TO ANY OTHER COMPUTING SYSTEM  
UTILIZING AN EIGHT-BIT BYTE DATA STRUCTURE. IT IS ALSO  
INDEPENDENT OF THE DIRECT ACCESS HARDWARE EMPLOYED. AN  
ARRAY OF DATA-PROCESSING PROGRAMS AND SIMULATION MODELS  
HAVE BEEN IMPLEMENTED UTILIZING THE DADIO FILE. THE  
SIMPLE YET SOPHISTICATED FILING SYSTEM ALLOWS MODEL USERS  
TO EVALUATE THEIR FINDINGS EFFICIENTLY AND ECONOMICALLY.

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Data Base Name:	DRAINAGE AREA DATA BASE
Acronym:	DADB
DB Type:	SPATIAL
Contact Person:	WAGNER, LLOYD
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION P.O. BOX 1350 ALBANY, NY 12201
Telephone:	(518) 472-3107 (FTS) 562-3107
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE

WATER RESOURCES DIVISION  
DATA BASES

Time Span: 1900 - PRESENT  
Data Base Status: OPERATIONAL  
Users: TOWN OF WARWICK, NY; U.S. ARMY  
CORPS OF ENGINEERS; U.S.  
GEOLOGICAL SURVEY, WATER RESOURCES  
DIVISION, NEW YORK DISTRICT  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 2,000 RECORDS  
Bytes per Record: 480 BYTES  
Total Bytes in DB: 960,000 BYTES  
Computer Makes and Models: PRIME  
Computer Locations: ALBANY, NY  
Languages: PL/1  
Subject Coverage: DRAINAGE AREA AND STREAM BASIN  
CHARACTERISTICS  
Geographical Coverage:  
US STATE; NEW YORK STATE AND ADJOINING STATES  
Sources of Data:  
USGS HYDROLOGISTS, TOPOGRAPHIC MAPS  
Documentation:  
NONE  
Keywords:  
DRAINAGE AREA; LATITUDE; RIVER MILES; STREAM FLOW;  
LONGITUDE  
Definition/Description:  
THE DATA BASE WILL PROVIDE DATA ON DRAINAGE AREAS AND  
OTHER SELECTED BASIC CHARACTERISTICS THAT CAN BE USED IN  
HYDROLOGIC STUDIES. THE REPORT WILL PROMOTE UNIFORMITY,  
REDUCE CONFUSION ARISING FROM CONTRADICTORY PUBLISHED  
VALUES, AND MAKE DATA ON DRAINAGE AREA AND OTHER BASIN  
CHARACTERISTICS OF NEW YORK STREAMS READILY AVAILABLE. THE  
DATA BASE LISTS STATION NUMBER, NAME, AND LOCATION,  
DRAINAGE AREA, DRAINAGE AREA CLASS, QUADRANGLE NUMBER,  
QUADRANGLE YEAR, MILES ABOVE RIVER MOUTH, AND TYPE OF  
MEASUREMENT.

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Data Base Name: DRAINAGE AREAS OF ILLINOIS STREAMS  
Acronym: DRAINAGE AREA FILE  
DB Type: SPATIAL  
Contact Person: HEALY, RICHARD W.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
P.O. BOX 1026  
CHAMPAIGN, IL 61820

WATER RESOURCES DIVISION  
DATA BASES

Telephone: (217) 398-5365 (FTS) 958-5365  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1968 - PRESENT  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY, WATER  
RESOURCES DIVISION HYDROLOGISTS  
Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUBLICATION; PUNCHED  
CARDS  
Storage Media: MAGNETIC TAPE; PUNCHED CARDS; TEXT  
No. of Records: 3,500 RECORDS  
Bytes per Record: 240 BYTES  
Total Bytes in DB: 840,000 BYTES  
Computer Makes and Models: CDC CYBER 175  
Computer Locations: UNIVERSITY OF ILLINOIS, CHAMPAIGN,  
IL  
Languages: FORTRAN  
Subject Coverage: DRAINAGE AREAS  
Geographical Coverage: STATE OF ILLINOIS  
Sources of Data: USGS HYDROLOGISTS AND TECHNICIANS USING USGS 7.5- AND  
15-MIN TOPOGRAPHIC QUADRANGLES  
Documentation: OGATA, K. M., 1975, DRAINAGE AREAS FOR ILLINOIS STREAMS:  
U.S. GEOLOGICAL SURVEY WATER RESOURCES INVESTIGATIONS  
13-75, 124 P.  
Keywords: DRAINAGE AREA; DRAINAGE DIVIDES; RIVER BASIN; RIVER;  
STREAM; SURFACE DRAINAGE; SURFACE WATER; TOPOGRAPHY;  
WATERSHED  
Definition/Description: THE DRAINAGE AREA FILE FOR ILLINOIS STREAMS CONTAINS  
INFORMATION ON ALL SITES WITHIN ILLINOIS WHERE DRAINAGE  
AREAS HAVE BEEN DETERMINED BY THE USGS. THE INFORMATION  
IS STORED SEQUENTIALLY BY SITE IN DOWNSTREAM ORDER AND  
INCLUDES DRAINAGE AREA SIZE IN SQUARE MILES, SITE NAME,  
STREAM RANK, USGS GAGING STATION NUMBER, LATITUDE,  
LONGITUDE, 1/4 SECTION, TOWNSHIP, RANGE, TOPOGRAPHIC  
QUADRANGLE, COUNTY, AND HYDROLOGIC UNIT NUMBER.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: FLOOD MAP INVENTORY  
Acronym: FMI  
DB Type: BIBLIOGRAPHIC  
Contact Person: SHOWEN, CHARLES R.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6872 (FTS) 928-6872  
Time Span: 1913 - 1979  
Data Base Status: OPERATIONAL  
Users: USGS WATER RESOURCES DIVISION AND  
REGISTERED WATSTORE USERS  
Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT;  
PUBLICATION  
Storage Media: MAGNETIC TAPE  
No. of Records: 10,835 RECORDS  
Bytes per Record: 150 BYTES  
Total Bytes in DB: 1,625,250 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: INDEX OF FLOOD MAPS  
Geographical Coverage:  
US; US AND TERRITORIES COVERED BY 7.5- AND 15-MIN  
QUADRANGLES  
Sources of Data:  
U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, SURFACE  
WATER BRANCH HYDROLOGISTS  
Documentation:  
CARRIGAN, P. H., AND WILSON, T. A., 1973, INSTRUCTIONS FOR  
FLOOD MAP INVENTORY FILE RETRIEVAL AND UPDATE: 20 P.  
Keywords:  
FLOOD DATA; INVENTORY; MAPPING; MAP  
Definition/Description:  
THE FLOOD MAP INVENTORY FILE WAS CREATED BY THE WATER  
RESOURCES DIVISION (WRD) SURFACE WATER BRANCH AS A RALI  
PROJECT IN 1973. IT CONTAINS DATA FOR ALL FLOOD MAPS  
PREPARED BY WRD AND RELEASED TO THE PUBLIC. INCLUDED IN  
THE FILE ARE MAPS APPEARING IN HYDROLOGIC ATLASES,  
CIRCULARS, WATER-SUPPLY PAPERS, PROFESSIONAL PAPERS, AND  
REPORTS PUBLISHED BY COOPERATORS. THE BULK OF THE FILE  
CONSISTS OF FLOOD-PRONE-AREA MAP DATA. ALL DATA IN THE  
FILE ARE IDENTIFIED BY 7.5- AND 15-MIN QUADRANGLES.  
RETRIEVAL SELECTION IS AVAILABLE FOR STATE, COUNTY,  
QUADRANGLE NUMBER, OR SMSA CODE. RETRIEVAL IS MADE BY

WATER RESOURCES DIVISION  
DATA BASES

USING PROGRAM G198. OUTPUT IS A COMPUTER PRINTOUT LISTING  
OF FLOOD MAP DATA.

Comments:

THE FLOOD MAP INVENTORY FILE IS MAINTAINED BY THE WRD ADP  
UNIT IN RESTON, VA. ENTRIES OR UPDATES MAY BE SENT TO THE  
ADP UNIT FOR PROCESSING. THE FILE IS OPEN ENDED, NEW  
ENTRIES BEING ADDED WHENEVER AVAILABLE.

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Data Base Name:	FLOOD PLAIN SIMULATION FACILITY DATA
Acronym:	FPDATA
DB Type:	SPATIAL
Contact Person:	SCHNEIDER, VERNE R.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION BUILDING 2101 NATIONAL SPACE TECHNOLOGY LABORATORIES NSTL STATION, MS 39529 (601) 688-3350 (FTS) 494-3350
Telephone:	POINT
Spatial Data Type:	ARBITRARY X, Y COORDINATES
Coordinate System:	1973 - PRESENT
Time Span:	OPERATIONAL
Data Base Status:	USGS RESEARCHERS ON THE PHYSICAL MODELS OF HYDROLOGIC SYSTEMS PROJECT AT GULF COAST HYDROSCIENCE CENTER
Users:	
Availability for Use/Access:	LIMITED
Output Media:	MAGNETIC TAPE; BATCH COMPUTER PRINTOUT; PUBLICATION; PUNCHED CARDS
Storage Media:	DISK; TEXT
No. of Records:	25,800 RECORDS
Bytes per Record:	1,152 BYTES
Total Bytes in DB:	29,721,600 BYTES
Computer Makes and Models:	AMD
Computer Locations:	RESTON, VA
Languages:	FORTRAN IV
Subject Coverage:	STAGE AND VELOCITY DATA
Geographical Coverage:	REGIONAL US; FLOOD PLAIN SIMULATION FACILITY (A 4,500- BY 300-FT RESEARCH MODEL USED TO STUDY OPEN CHANNEL FLOW HYDRAULICS)

WATER RESOURCES DIVISION  
DATA BASES

Sources of Data:

USGS HYDROLOGISTS AND TECHNICIANS OR CONTRACTORS UNDER  
USGS SUPERVISION, HYDROLOGIC DATA COLLECTED AT THE FLOOD  
PLAIN SIMULATION FACILITY LOCATED AT THE GULF COAST  
HYDROSCIENCE CENTER

Documentation:

COLLINS, D. L., AND FLYNN, K., 1979, A SUMMARY OF MEASURED  
HYDRAULIC DATA FOR THE SERIES OF STEADY AND UNSTEADY FLOW  
EXPERIMENTS OVER UNIFORM GRASS ROUGHNESS: U.S. GEOLOGICAL  
SURVEY OPEN-FILE REPORT 78-808, 826 P. COLLINS, D. L.,  
AND FLYNN, K., 1979, A SUMMARY OF MEASURED HYDRAULIC DATA  
FOR THE SERIES OF STEADY AND UNSTEADY FLOW EXPERIMENTS  
OVER PATTERNED ROUGHNESS: U.S. GEOLOGICAL SURVEY  
OPEN-FILE REPORT 79-1260, 1,419 P. KAEHRLE, W. R., AND  
DRUFFEL, L. A., DATA FOR FLOW THROUGH WIDTH CONSTRICTIONS  
OF A FLOOD PLAIN WITH UNIFORM GRASS ROUGHNESS: U.S.  
GEOLOGICAL SURVEY OPEN-FILE REPORT.

Keywords:

CONTRACTED OPENING; FLOOD PLAIN; PATTERNED ROUGHNESS;  
STAGE; STEADY FLOW; UNIFORM ROUGHNESS; UNSTEADY FLOW;  
VELOCITY

Definition/Description:

HYDROLOGIC DATA ARE COLLECTED AS PART OF A RESEARCH  
PROGRAM INVESTIGATING FLOW IN WIDE, LOW-GRADIENT FLOOD  
PLAINS UNDER CONTROLLED CONDITIONS. EXPERIMENTS INCLUDE  
STEADY AND UNSTEADY FLOW. FLOW WAS OVER UNIFORM ROUGHNESS  
AND PATTERNED ROUGHNESS. CONTRACTED AND MULTIPLE OPENINGS  
WERE USED FOR SOME OF THE EXPERIMENTS. COASTAL BERMUDA  
GRASS WAS USED FOR ROUGHNESS. STEADY FLOW DISCHARGES  
RANGED FROM APPROXIMATELY 50 CFS (1.42 CMS) TO 210 CFS  
(5.95 CMS). UNSTEADY FLOW EXPERIMENTS HAD A BASE FLOW OF  
70 CFS (1.98 CMS) OR 14 CFS (0.40 CMS) AND A PEAK FLOW OF  
210 CFS (5.95 CMS).

Comments:

THESE DATA WILL BE USEFUL IN CALIBRATING TWO-DIMENSIONAL  
COMPUTER FLOW MODELS.

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Data Base Name:	FULL STATE DIGITIZED HYDROLOGIC UNIT LINES DATA BASE
Acronym:	FLSTBASE
DB Type:	SPATIAL
Contact Person:	STILTNER, GLORIA
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION OFFICE OF WATER DATA COORDINATION 417 NATIONAL CENTER



WATER RESOURCES DIVISION  
DATA BASES

RESTON, VA 22092  
Telephone: (703) 860-6935 (FTS) 928-6935  
Spatial Data Type: POLYGON (HYDROLOGIC UNIT)  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: UNDER DEVELOPMENT  
Users: DEPARTMENT OF ENERGY;  
ENVIRONMENTAL PROTECTION AGENCY;  
NATIONAL WEATHER SERVICE; USGS  
OFFICE OF WATER DATA COORDINATION;  
STATE DEPARTMENTS OF NATURAL  
RESOURCES  
Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 48,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 3,840,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV; EASYTRIEVE  
Subject Coverage: DIGITIZED HYDROGRAPHIC BOUNDARIES  
OF MAJOR US RIVER BASINS  
Geographical Coverage:  
US; ALL 50 STATES  
Sources of Data:  
STATE HYDROLOGIC UNIT MAPS/MYLAR BASES DIGITIZED BY  
EASTERN MAPPING CENTER, USGS NATIONAL MAPPING DIVISION  
Documentation:  
NONE  
Keywords:  
DIGITIZED; HYDROLOGIC UNIT BOUNDARY; HYDROLOGIC UNIT CODE;  
RIVER BASIN  
Definition/Description:  
A SERIES OF UNIFORM, NATIONALLY CONSISTENT STATE  
HYDROLOGIC UNIT MAPS THAT ACCURATELY DELINEATE THE  
HYDROGRAPHIC BOUNDARIES OF MAJOR US RIVER BASINS HAS BEEN  
PREPARED BY THE USGS IN COOPERATION WITH THE U.S. WATER  
RESOURCES COUNCIL. THESE MAPS PROVIDE A STANDARDIZED BASE  
FOR USE BY FEDERAL AND STATE WATER RESOURCES AGENCIES  
THROUGHOUT THE COUNTRY. THE DELINEATED HYDROLOGIC UNIT  
BOUNDARIES WERE DIGITIZED (AT A SCALE OF 1:1,000,000) AND  
EDITED AS STATE OR PARTIAL STATE DATA BASES. THE PARTIAL  
STATES DATA BASES WERE THEN COMBINED TO FORM FULL STATE  
DATA BASES. THESE INDIVIDUAL DATA SETS WILL BE COMPILED  
AS THE FLSTBASE DATA BASE. A COMPUTER PROGRAM HUCCODE  
(USED AS A SUBROUTINE) WAS DEVELOPED TO USE THE FLSTBASE TO  
IDENTIFY THE HYDROLOGIC UNIT CODE ASSOCIATED WITH THE  
POINT LOCATION OF A DATA SITE.

WATER RESOURCES DIVISION  
DATA BASES

Comments:

THESE DATA WERE COLLECTED IN 1972.

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Data Base Name: GAZETTEER OF LAKES, PONDS, AND  
RESERVOIRS  
Acronym: GAZETTEER  
DB Type: SPATIAL  
Contact Person: LANZA, MELINDA M.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
P.O. BOX 1350  
ALBANY, NY 12201  
Telephone: (518) 472-3107 (FTS) 562-3107  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: NEW YORK STATE DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION; U.S.  
GEOLOGICAL SURVEY, WATER RESOURCES  
DIVISION, NEW YORK DISTRICT  
Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: PUNCHED CARDS  
No. of Records: 3,000 RECORDS  
Total Bytes in DB: 240,000 BYTES  
Computer Makes and Models: DATA 100  
Computer Locations: ALBANY, NY  
Languages: FORTRAN  
Subject Coverage: LISTING OF PHYSICAL  
CHARACTERISTICS OF LAKES IN NEW  
YORK STATE  
Geographical Coverage:  
US STATE; STATE OF NEW YORK  
Sources of Data:  
FILES OF THE NEW YORK DISTRICT OF THE USGS WATER RESOURCES  
DIVISION  
Documentation:  
GREESON, PHILLIP E., AND WILLIAMS, GEORGE E., 1970,  
CHARACTERISTICS OF NEW YORK LAKES: NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION BULLETINS 68A AND  
68B, 242 P.

WATER RESOURCES DIVISION  
DATA BASES

Keywords:

LAKE; LOCATION; PHYSICAL CHARACTERISTICS

Definition/Description:

DATA BASE CONTAINS FIXED-LENGTH RECORDS OF DESCRIPTIONS OF LAKES, INCLUDING NAME, COUNTY, QUADRANGLE, DRAINAGE BASIN, LATITUDE AND LONGITUDE, ELEVATION, DRAINAGE AREA, SURFACE AREA, SHORE MILEAGE, AND VOLUME. THESE CAN BE LISTED BY COUNTY OR DRAINAGE BASIN.

\*\*\*\*\*

Data Base Name:	GEOLOGIC INFORMATION FILE
Acronym:	GI FILE
DB Type:	SPATIAL
Contact Person:	GOCKEL, DANIEL J.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 123 NORTH CAPITOL STREET IOWA CITY, IA 52240 (319) 338-1173 (FTS) 863-6521
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1975 - PRESENT
Data Base Status:	OPERATIONAL
Users:	STATE GEOLOGICAL SURVEY; U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE AND BATCH
Output Media:	BATCH COMPUTER PRINTOUT; INTERACTIVE TERMINAL
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	110,000 RECORDS
Bytes per Record:	80 BYTES
Total Bytes in DB:	8,800,000 BYTES
Computer Makes and Models:	PRIME 850
Computer Locations:	IOWA CITY, IA
Languages:	INFO
Subject Coverage:	GEOLOGIC INFORMATION
Geographical Coverage:	US STATE; STATE OF IOWA
Sources of Data:	WELL LOGS, OUTCROPS, AND DRILLERS' LOGS

WATER RESOURCES DIVISION  
DATA BASES

Documentation:

IOWA GEOLOGICAL SURVEY, 1967, DATA PROCESSING SYSTEM,  
INSTRUCTION MANUAL: 29 P.

Keywords:

WELL DATA

Definition/Description:

THIS GEOLOGIC SYSTEM CONTAINS INFORMATION ABOUT A WELL OR SECTION THAT ENABLES ONE TO DETERMINE ITS LOCATION AND OTHER IDENTIFYING NUMBERS, DEPTH TO GEOLOGIC UNIT TOPS, TOTAL DEPTH, LAND SURFACE ALTITUDE, AND ANY SIGNIFICANT ECONOMIC ROCKS OR MINERALS ENCOUNTERED WITH THE WELL OR EXPOSED IN THE SECTION.

Comments:

IWARDS IS A DATA BASE MANAGEMENT SYSTEM FOR MANAGING IOWA RESOURCES DATA.

\*\*\*\*\*

Data Base Name:	GEOLOGIC UNIT FILE
Acronym:	GEO-UNITS
DB Type:	SCIENTIFIC AND TECHNICAL
Contact Person:	MORGAN, CHARLES O.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 437 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6871 (FTS) 928-6871
Time Span:	1972 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY AND REGISTERED WATSTORE USERS
Availability for Use/Access:	UNLIMITED
Output Media:	BATCH COMPUTER PRINTOUT; PUBLICATION
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	7,481 RECORDS
Total Bytes in DB:	2,500,000 BYTES
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	PL/1
Subject Coverage:	GENERIC CODES FOR AQUIFERS ASSIGNED BY MNEMONIC SCHEME

WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US

Sources of Data:

USGS GEOLOGISTS, GENERIC CODES ASSIGNED BY MNEMONIC SCHEME  
TO AQUIFERS THROUGHOUT THE US

Documentation:

HUTCHISON, N. E., COMPILER, 1975, WATSTORE--NATIONAL WATER  
DATA STORAGE AND RETRIEVAL SYSTEM OF THE U.S. GEOLOGICAL  
SURVEY--USER'S GUIDE: U.S. GEOLOGICAL SURVEY OPEN-FILE  
REPORT 75-426, 532 P.

Systems Which Access Data Base:

NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:

AQUIFER; GEOLOGY; GROUNDWATER; HYDROLOGY

Definition/Description:

THIS FILE IS A DICTIONARY CONTAINING GENERIC CODES THAT  
HAVE BEEN ASSIGNED TO AQUIFERS THROUGHOUT THE US. THE  
CODE ALSO INDICATES THE AGE OF THE AQUIFER. THIS FILE IS  
INTERFACED WITH THE WATER QUALITY DATA FILE AND THE  
STATION HEADER FILE, SO THAT A GEOLOGIC UNIT CODE (AN  
AQUIFER CODE) CANNOT BE STORED IN EITHER FILE UNLESS IT  
ALREADY EXISTS IN THE GEOLOGIC UNIT FILE.

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Data Base Name:	GROUNDWATER SITE INVENTORY
Acronym:	GWSI
DB Type:	SPATIAL
Structure:	HIERARCHIC
Contact Person:	MORGAN, CHARLES O.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 437 NATIONAL CENTER RESTON, VA 22092 (703) 860-6871 (FTS) 928-6871
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1800 - PRESENT
Data Base Status:	OPERATIONAL
Users:	REGISTERED WATSTORE USERS
Availability for Use/Access:	UNLIMITED
Output Media:	INTERACTIVE TERMINAL; MAGNETIC TAPE; BATCH COMPUTER PRINTOUT; PUBLICATION
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	646,625 RECORDS
Bytes per Record:	574 BYTES
Total Bytes in DB:	371,162,850 BYTES

WATER RESOURCES DIVISION  
DATA BASES

Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: COBOL; PL/1; FORTRAN IV; SYSTEM  
2000 NATURAL LANGUAGE  
DBMS: SYSTEM 2000  
Subject Coverage: COMPUTERIZED RETRIEVALS ON DATA TO  
GROUNDWATER. THE NATIONAL  
GROUNDWATER DATA BASE.

Geographical Coverage:  
US; US AND TERRITORIES

Sources of Data:  
FIELD AND DISTRICT HYDROLOGISTS AND TECHNICIANS WHO  
MONITOR AND INVENTORY GROUNDWATER SITES. INPUT FROM ALL  
FIELD OFFICES OF THE USGS WATER RESOURCES DIVISION.

Documentation:  
BAKER, C. H., JR., AND FOULK, D. G., 1975, NATIONAL WATER  
DATA STORAGE AND RETRIEVAL SYSTEM--INSTRUCTIONS FOR  
PREPARATION AND SUBMISSION OF GROUNDWATER DATA: U.S.  
GEOLOGICAL SURVEY OPEN-FILE REPORT 75-589, 159 P.

Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:  
AQUIFER; GROUNDWATER; HYDRAULICS; LITHOLOGY; SPRING; WATER  
LEVEL; WATER QUALITY; WATER USE; WELL CONSTRUCTION

Definition/Description:  
THE GROUNDWATER SITE INVENTORY (GWSI) IS A SYSTEM 2000  
DATA BASE THAT PROVIDES STORAGE AND RETRIEVAL FACILITIES  
FOR ALL GROUNDWATER DATA. AS MANY AS 200 DATA ELEMENTS  
PER SITE ARE STORED AND RETRIEVED VIA SYSTEM 2000'S  
NATURAL LANGUAGE OR APPLICATION PROGRAMS WRITTEN IN PL/1,  
COBOL, AND FORTRAN. AN EXAMPLE OF DATA STORED IS THE SITE  
IDENTIFICATION, WHICH CONSISTS OF THE LATITUDE AND  
LONGITUDE OF THE GEOGRAPHIC POSITION, AQUIFER CODE,  
OWNER'S NAME, AND ALL OTHER PERTINENT INFORMATION THAT  
THOROUGHLY DESCRIBES A WELL OR SPRING.

Comments:  
DATA BASE IS DIVIDED INTO FOUR SEGMENTS CORRESPONDING TO  
THE FOUR REGIONS OF THE WATER RESOURCES DIVISION.  
EXPANDING AT A RATE OF ABOUT 50,000 SITE RECORDS PER YEAR,  
THE PROJECTED SIZE OF THE DATA BASE, WITH MASS ENTRIES OF  
HISTORICAL DATA, IS BETWEEN ONE MILLION AND TWO MILLION  
SITES.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: HIGH PLAINS REGIONAL AQUIFER  
SYSTEM ANALYSIS

Acronym: AQUIFERS

DB Type: SPATIAL

Structure: HIERARCHIC

Contact Person: LUCKEY, RICHARD R.

Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
HIGH PLAINS REGIONAL AQUIFER STUDY  
DENVER FEDERAL CENTER  
MS 412  
DENVER, CO 80225

Telephone: (303) 234-6017 (FTS) 234-6017

Spatial Data Type: GRID

Coordinate System: LATITUDE/LONGITUDE

Time Span: 1978 - 1982

Data Base Status: UNDER DEVELOPMENT

Users: U.S. GEOLOGICAL SURVEY WATER  
RESOURCES DIVISION DISTRICT  
OFFICES; HIGH PLAINS REGIONAL  
AQUIFER SYSTEMS ANALYSIS PROJECT  
OFFICES

Availability for Use/Access: LIMITED

Output Media: PUBLICATION

Storage Media: DISK

Total Bytes in DB: 10,900,000 BYTES

Computer Makes and Models: AMD V7

Computer Locations: RESTON, VA

Languages: FORTRAN IV

DBMS: SYSTEM 2000

Subject Coverage: HYDROLOGIC, GEOLOGIC,  
AGRICULTURAL, AND METEOROLOGICAL  
DATA

Geographical Coverage:  
US STATE; STATES OF NEBRASKA, KANSAS, WYOMING, COLORADO,  
OKLAHOMA, TEXAS, NEW MEXICO, AND SOUTH DAKOTA

Sources of Data:  
INTERPRETIVE DATA FROM HYDROLOGISTS IN THE EIGHT-STATE  
HIGH PLAINS AREA

Documentation:  
LUCKEY, RICHARD R., AND FERRIGNO, CARMELO F., 1982, A DATA  
MANAGEMENT SYSTEM FOR AREAL DATA FOR HIGH PLAINS IN PARTS  
OF COLORADO, KANSAS, NEBRASKA, NEW MEXICO, OKLAHOMA, SOUTH  
DAKOTA, TEXAS, AND WYOMING: U.S. GEOLOGICAL SURVEY WATER  
RESOURCES INVESTIGATIONS 82-4072, 112 P.

WATER RESOURCES DIVISION  
DATA BASES

Keywords:

AQUIFER MANAGEMENT; COMPUTER MODELS; GROUNDWATER;  
INTERPRETIVE DATA; REGIONAL STUDIES

Definition/Description:

THIS DATA SYSTEM IS DESIGNED TO STORE AND RETRIEVE  
INTERPRETIVE HYDROLOGIC DATA FOR THE HIGH PLAINS REGIONAL  
AQUIFER SYSTEM ANALYSIS (RASA) PROJECT. THIS DATA BASE  
WILL HELP ORGANIZE INFORMATION COLLECTED OVER SEVERAL  
DECADES IN EIGHT STATES AND ARRIVE AT CONSISTENT  
INTERPRETATION OF THOSE DATA. THE DATA BASE WILL THEN  
PROVIDE ALL USERS WITH HYDROLOGIC AND RELATED DATA AT A  
SCALE SUITABLE FOR INTERPRETATION AND MODELING.

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Data Base Name:	HYDROGEOLOGY SUBFILE
Acronym:	HY
DB Type:	SPATIAL
Structure:	SORTED SEQUENTIAL
Contact Person:	HAWKINS, GEORGE W.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 5 AERIAL WAY SYOSSET, NY 11791
Telephone:	(516) 938-8830
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1900 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY HYDROLOGISTS AND TECHNICIANS
Availability for Use/Access:	UNLIMITED
Output Media:	INTERACTIVE TERMINAL; MAGNETIC TAPE; BATCH COMPUTER PRINTOUT; PUNCHED CARDS
Storage Media:	MAGNETIC TAPE
No. of Records:	6,200 RECORDS
Computer Makes and Models:	DATA GENERAL NOVA 1220
Computer Locations:	SYOSSET, NY
Languages:	FORTRAN IV; ASSEMBLY
Subject Coverage:	WELL HYDROGEOLOGY DATA
Geographical Coverage:	REGIONAL US; LONG ISLAND, NY



WATER RESOURCES DIVISION  
DATA BASES

Sources of Data:

USGS HYDROLOGISTS AND TECHNICIANS AND LONG ISLAND  
COOPERATORS

Documentation:

HAWKINS, GEORGE W., INTRODUCTION TO THE SYOSSET WELL DATA  
BASE. HAWKINS, GEORGE W., THE WELL DATA BASE SUBFILES.

Keywords:

AQUIFER; GROUNDWATER; STORAGE

Definition/Description:

THIS IS A FILE OF HYDROGEOLOGY. THE FILE IS USED TO STORE  
THE INACTIVE SITE INFORMATION THAT IS NOT IN THE WELL  
HEADER FILE.

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Data Base Name:	HYDROLOGIC DATA REAL-TIME COLLECTION SYSTEM
Acronym:	HYDRECS
DB Type:	MISSION SUPPORT
Structure:	RELATIONAL
Contact Person:	SHOPE, WILLIAM G.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 460 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6014 (FTS) 928-6014
Time Span:	1977 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION DISTRICT OFFICES
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	DISK
No. of Records:	20,000 RECORDS
Growth Rate:	25 PERCENT PER YEAR
Computer Makes and Models:	HIS MULTICS
Computer Locations:	RESTON, VA
Languages:	PL/1
DBMS:	HONEYWELL MRDS
Subject Coverage:	HYDROLOGIC DATA
Geographical Coverage:	US; ENTIRE COUNTRY

WATER RESOURCES DIVISION  
DATA BASES

Sources of Data:  
    STREAM-GAGING STATIONS  
Documentation:  
    USER GUIDE  
Keywords:  
    HYDOLOGIC DATA; REAL-TIME COLLECTION; INTERACTIVE COMPUTER  
    SYSTEM  
Definition/Description:  
    TEMPORARILY STORES REAL-TIME DATA COLLECTED FROM THE  
    NOAA-GOES DATA COLLECTION SYSTEM BEFORE ENTRY INTO THE  
    NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

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Data Base Name:	HYDROLOGIC DATA STATIONS MAINTAINED BY THE USGS IN ILLINOIS
Acronym:	HYDROLOGIC DATA STATIONS
DB Type:	SPATIAL
Contact Person:	HEALY, RICHARD W.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION P.O. BOX 1026 CHAMPAIGN, IL 61820 (217) 398-5365 (FTS) 958-5365
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	STATION IDENTIFICATION NUMBER (IN DOWNSTREAM ORDER)
Time Span:	1977 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION HYDROLOGISTS
Availability for Use/Access:	UNLIMITED
Output Media:	PUBLICATION; PUNCHED CARDS
Storage Media:	PUNCHED CARDS
No. of Records:	1,000 RECORDS
Bytes per Record:	240 BYTES
Total Bytes in DB:	240,000 BYTES
Computer Makes and Models:	CDC CYBER 175
Computer Locations:	UNIVERSITY OF ILLINOIS, CHAMPAIGN, IL
Languages:	PL/1
Subject Coverage:	GAGING STATION INFORMATION

WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US STATE; STATE OF ILLINOIS

Sources of Data:

USGS HYDROLOGISTS AND TECHNICIANS

Documentation:

WINGET, DELBERT E., 1978, WATER RESOURCES ACTIVITIES IN  
ILLINOIS, 1977, 33 P.

Keywords:

GROUNDWATER; HYDROLOGIC DATA; OBSERVATION WELL; STREAM  
FLOW; SURFACE WATER

Definition/Description:

HYDROLOGIC DATA STATIONS CONTAINS THE USGS GAGING STATION  
NUMBER, NAME, AND TYPE OF DATA COLLECTED AT EVERY USGS  
GAGING STATION IN ILLINOIS DURING THE CURRENT WATER YEAR.

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Data Base Name:	HYDROLOGIC UNIT NAME AND DESCRIPTION DATA BASE
Acronym:	HUNDBASE
DB Type:	SPATIAL
Contact Person:	STILTNER, GLORIA
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION OFFICE OF WATER DATA COORDINATION 417 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6935 (FTS) 928-6935
Spatial Data Type:	POLYGON (HYDROLOGIC UNIT)
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY OFFICE OF WATER DATA COORDINATION; USERS OF HYDROLOGIC UNIT MAPS
Availability for Use/Access:	UNLIMITED
Output Media:	PUNCHED CARDS
Storage Media:	PUNCHED CARDS
No. of Records:	3,000 RECORDS
Bytes per Record:	80 BYTES
Total Bytes in DB:	240,000 BYTES
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	EASYTRIEVE
Subject Coverage:	NAMES AND DESCRIPTIONS OF THE HYDROLOGIC UNITS FOR 21 REGIONS, 222 SUBREGIONS, 349 ACCOUNTING UNITS, AND 2,100 CATALOGING UNITS

WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US; ALL 50 STATES

Sources of Data:

LIST OF HYDROLOGIC UNIT NAMES AND DESCRIPTIONS

Documentation:

NONE

Keywords:

HYDROLOGIC UNIT; RIVER BASIN

Definition/Description:

A SERIES OF UNIFORM, NATIONALLY CONSISTENT STATE HYDROLOGIC UNIT MAPS THAT ACCURATELY DELINEATE THE HYDROGRAPHIC BOUNDARIES OF MAJOR US RIVER BASINS HAS BEEN PREPARED BY THE U.S. GEOLOGICAL SURVEY IN COOPERATION WITH THE U.S. WATER RESOURCES COUNCIL. THESE MAPS PROVIDE A STANDARDIZED BASE FOR USE BY FEDERAL AND STATE WATER RESOURCES AGENCIES THROUGHOUT THE COUNTRY. THE HYDROLOGIC UNIT NAME AND DESCRIPTION DATA BASE (HUNDBASE) CONTAINS THE NAMES AND DESCRIPTIVE COVERAGE OF THE REGIONS, SUBREGIONS, AND ACCOUNTING AND CATALOGING UNITS. THE PURPOSE OF HUNDBASE IS TO PRODUCE SELECTED EXCERPTS OR COMPLETE COMPUTER LISTINGS OF THE INFORMATION, TO ALLOW EASY CORRECTION OR UPDATING OF THE NAMES AND DESCRIPTIONS, AND TO HAVE A FLEXIBLE FORMAT SO THAT ADDITIONAL HYDROLOGIC UNIT INFORMATION CAN BE ADDED AS NEEDED IN THE FUTURE.

Comments:

THESE DATA WERE COLLECTED IN 1978.

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Data Base Name:

INDEX OF ACTIVE FLORIDA WATER DATA  
COLLECTION STATIONS

Acronym:

FINDEX

DB Type:

BIBLIOGRAPHIC

Contact Person:

SIMMONS, JAMES D.

Address:

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
325 JOHN KNOX ROAD, BLDG. F, SUITE 150  
TALLAHASSEE, FL 32303

Telephone:

(904) 386-1118 (FTS) 946-4251

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Data Base Status:

OPERATIONAL

Users:

DEPARTMENT OF ENVIRONMENTAL  
REGULATION, FLORIDA; STATE WATER  
MANAGEMENT DISTRICTS; U.S.  
GEOLOGICAL SURVEY, WATER RESOURCES  
DIVISION OFFICES

WATER RESOURCES DIVISION  
DATA BASES

Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUNCHED CARDS  
Storage Media: DISK  
No. of Records: 12,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 960,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
Subject Coverage: INFORMATION ON FLORIDA'S ACTIVE  
WATER-DATA COLLECTION SITES

Geographical Coverage:  
US STATE; STATE OF FLORIDA

Sources of Data:  
USGS HYDROLOGISTS AND TECHNICIANS

Documentation:  
MERRITT, MICHAEL L., A DESCRIPTION OF THE INDEX OF ACTIVE  
FLORIDA WATER DATA COLLECTION STATIONS: U.S. GEOLOGICAL  
SURVEY OPEN-FILE REPORT 77-703, 70 P.

Keywords:  
GROUNDWATER; HYDROLOGIC DATA; SURFACE WATER; QUALITY WATER

Definition/Description:  
THE RECORDS FOR EACH SITE CONTAIN THE IDENTIFICATION  
NUMBER, NAME, LOCATION, TYPE OF SITE, AND COUNTY, AS WELL  
AS INFORMATION CONCERNING FUNDING AND DATA COLLECTION.  
THE COMPUTER PROGRAM H578 RETRIEVES AND LISTS ENTRIES IN A  
PUBLICATION FORMAT.

Comments:  
THIS DATA BASE IS COMPRISED OF FILES FOR MIAMI, TAMPA,  
TALLAHASSEE, AND ORLANDO. A FILE ALSO EXISTS THAT  
IDENTIFIES ALL THE FLORIDA COOPERATORS. THESE DATA ARE  
FOR THE CURRENT YEAR.

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Data Base Name: LAKES IN THE MINNEAPOLIS-ST. PAUL  
METROPOLITAN AREA  
Acronym: LAKEHYD  
DB Type: SPATIAL  
Structure: HIERARCHIC  
Contact Person: JACQUES, JAMES E.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
702 POST OFFICE BUILDING  
ST. PAUL, MN 55101  
Telephone: (612) 725-7841 (FTS) 725-7841  
Spatial Data Type: POINT

WATER RESOURCES DIVISION  
DATA BASES

Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1890 - 1975  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY  
Availability for Use/Access: UNLIMITED  
Output Media: INTERACTIVE ACCESS; MAGNETIC TAPE;  
BATCH COMPUTER PRINTOUT;  
PUBLICATION  
Storage Media: MAGNETIC TAPE; DISK; TEXT  
No. of Records: 949 RECORDS  
Computer Makes and Models: CDC 130  
Computer Locations: UNIVERSITY OF MINNESOTA  
DBMS: SYSTEM 2000  
Subject Coverage: LAKES IN MINNEAPOLIS-ST. PAUL,  
MINNESOTA, AREA: LOCATION, DEPTH,  
AREA, LEVELS, ECOLOGICAL AND  
GAME-MANAGEMENT CLASSIFICATION,  
STREAMS, SOILS, GEOLOGY, PROBLEMS,  
AND WATER ADDED OR REMOVED

Geographical Coverage:  
COUNTIES; ANOKA, CARVER, DAKOTA, HENNEPIN, RAMSEY, SCOTT,  
AND WASHINGTON COUNTIES OF MINNESOTA (MINNEAPOLIS- ST.  
PAUL METROPOLITAN AREA)

Sources of Data:  
CITIES, CONSULTING FIRMS, COUNTIES, MINNESOTA DEPARTMENT  
OF NATURAL RESOURCES, MINNESOTA GEOLOGICAL SURVEY,  
MINNESOTA POLLUTION CONTROL AGENCY, TOPOGRAPHIC MAPS,  
UNIVERSITY OF MINNESOTA, U.S. GEOLOGICAL SURVEY FILES,  
WATER DISTRICTS.

Documentation:  
MCBRIDE, M. S., 1976, HYDROLOGY OF LAKES IN THE  
MINNEAPOLIS-ST. PAUL METROPOLITAN AREA: A SUMMARY OF  
AVAILABLE DATA: U.S. GEOLOGICAL SURVEY WATER RESOURCES  
INVESTIGATIONS 76-85, 317 P.

Keywords:  
HYDROGEOLOGY; HYDROLOGY; LAKE; LIMNOLOGY; WATER USE

Definition/Description:  
THIS DATA BASE CONTAINS INFORMATION ON THE HYDROLOGY AND  
HYDROGEOLOGY OF 949 LAKES IN THE MINNEAPOLIS-ST. PAUL  
METROPOLITAN AREA OF MINNESOTA. INCLUDED ARE ALL LAKES 10  
ACRES (4 HECTARES) OR LARGER IN ANOKA, CARVER, DAKOTA,  
HENNEPIN, RAMSEY, SCOTT, AND WASHINGTON COUNTIES. DATA  
INCLUDE LOCATION, DEPTH, AREA, LEVEL, ECOLOGICAL AND  
GAME-MANAGEMENT CLASSIFICATION, INFLOWING AND OUTFLOWING  
STREAMS, SOILS, BEDROCK TYPE, WATER ADDED OR REMOVED,  
CONTROL STRUCTURES, AND REPORTED PROBLEMS. SYSTEM 2000, A  
GENERAL-PURPOSE DATA BASE MANAGEMENT SYSTEM, WAS USED TO  
ORGANIZE THE DATA. A PRINTED REPORT IS AVAILABLE, OR THE  
DATA BASE CAN BE ACCESSED INTERACTIVELY OR BY BATCH  
PROCESSING.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: MASTER WATER DATA INDEX  
Acronym: MWDI  
DB Type: SPATIAL  
Structure: HIERARCHIC  
Contact Person: WILLIAMS, OWEN O.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
421 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6031 (FTS) 928-6031  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1850 - PRESENT  
Data Base Status: OPERATIONAL  
Users: PRIVATE CONSULTANTS; SCIENCE AND  
EDUCATION ADMINISTRATION; STATE  
NATURAL-RESOURCE AND GEOLOGICAL  
ORGANIZATIONS; STATE UNIVERSITIES;  
U.S. FISH AND WILDLIFE SERVICE;  
WATER RESOURCES DIVISION,  
HEADQUARTERS AND DISTRICT OFFICES  
Availability for Use/Access: UNLIMITED  
Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 269,400 RECORDS  
Total Bytes in DB: 138,857,320 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
DBMS: SYSTEM 2000  
Subject Coverage: INDEX OF INFORMATION ABOUT WATER  
DATA COLLECTION SITES  
Geographical Coverage:  
US  
Sources of Data:  
ORIGINAL DATA BASE CREATED FROM WATER RESOURCES DIVISION  
(WRD) CATALOG OF INFORMATION ON WATER DATA, WRD MIS  
HYDROLOGIC STATION FILE, AND WATSTORE HEADER FILE. CURRENT  
SOURCES INCLUDE WATSTORE, ENVIRONMENTAL PROTECTION  
AGENCY'S STORET SYSTEM, WRD DISTRICTS, AND OTHER WATER  
DATA ORGANIZATIONS.

WATER RESOURCES DIVISION  
DATA BASES

Documentation:

PERRY, R.A., AND LEWIS, C. J., 1978, DEFINITIONS OF COMPONENTS OF THE MASTER WATER DATA INDEX MAINTAINED BY THE NATIONAL WATER DATA EXCHANGE: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 78-183, 170 P.

Systems Which Access Data Base:

NATIONAL WATER DATA EXCHANGE

Keywords:

GROUNDWATER; HYDROLOGIC DATA; SURFACE WATER; WATER QUALITY

Definition/Description:

THE MASTER WATER DATA INDEX (MWDI) IS A DATA BASE ACCESSIBLE TO WRD PERSONNEL AND MEMBERS OF THE NATIONAL WATER DATA EXCHANGE. IT IDENTIFIES HYDROLOGIC SITES FOR WHICH WATER DATA ARE AVAILABLE. IT MAINTAINS IDENTIFICATION INFORMATION AND A DETAILED DESCRIPTION OF EACH SITE, INCLUDING LATITUDE, STATE, COUNTY, HYDROLOGIC UNIT, SITE TYPE, AND IDENTIFICATION OF THE OPERATING AGENCY. INFORMATION IS ALSO PRESENT ON THE TYPES OF DATA AVAILABLE, PERIOD OF RECORD, WATER DATA PARAMETERS, FREQUENCY OF MEASUREMENT, AND THE MEDIA IN WHICH THE DATA ARE AVAILABLE.

\*\*\*\*\*

Data Base Name:

MEASUREMENTS AT LOW FLOW, PARTIAL  
RECORD STATIONS, MISCELLANEOUS  
SITES AND SPRINGS

Acronym:

LOW FLOW

DB Type:

SPATIAL

Contact Person:

MAY, V. J.

Address:

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
ROOM A413

FEDERAL BUILDING

U.S. COURTHOUSE

NASHVILLE, TN 37203

(615) 251-5424 (FTS) 852-5424

Telephone:

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Time Span:

1899 - PRESENT

Data Base Status:

OPERATIONAL

Users:

TENNESSEE WATER RESOURCES DIVISION  
DISTRICT HYDROLOGISTS

Availability for Use/Access:

UNLIMITED

Output Media:

MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT

Storage Media:

MAGNETIC TAPE

No. of Records:

3,000 RECORDS



WATER RESOURCES DIVISION  
DATA BASES

Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: RIVER, STREAM, AND SPRING DISCHARGE  
Geographical Coverage: US STATE; STATE OF TENNESSEE

Sources of Data:  
TENNESSEE VALLEY AUTHORITY, DATA SERVICES BRANCH,  
KNOXVILLE, TN 37902, USGS FIELD MONITORING EQUIPMENT, USGS  
WATER RESOURCES DIVISION PERSONNEL.

Documentation:  
NONE

Keywords:  
HYDROLOGIC DATA; HYDROLOGIC UNIT; SPRING; STREAMFLOW

Definition/Description:  
THIS PROGRAM IS DESIGNED TO STORE INFORMATION FOR  
MISCELLANEOUS STATIONS AND SPRINGS IN TENNESSEE.  
INFORMATION FOR EACH SITE INCLUDES DOWNSTREAM ORDER  
NUMBER, HYDROLOGIC UNIT, QUADRANGLE SHEET, COUNTY,  
LATITUDE AND LONGITUDE, AGENCY, STATE, DISTRICT, PURPOSE,  
DRAINAGE AREA, RIVER MILE, NAME, LOCATION, LOW-FLOW  
STATISTICS, AND DISCHARGE DATE. STATIONS CAN BE RETRIEVED  
BY THE FIRST FOUR PARAMETERS. THE DATA CAN ALSO BE  
PRESENTED IN SEVERAL DIFFERENT FORMATS.

\*\*\*\*\*

Data Base Name: MISCELLANEOUS DISCHARGE DATA  
Acronym: MISCD  
DB Type: SPATIAL  
Contact Person: GILL, GARY  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
1815 UNIVERSITY AVENUE  
MADISON, WI 530706  
(608) 262-2488 (FTS) 262-2488  
Telephone: POINT  
Spatial Data Type: LATITUDE/LONGITUDE  
Coordinate System: 1960 - PRESENT  
Time Span: OPERATIONAL  
Data Base Status: CONSULTANTS; USGS WISCONSIN WATER  
Users: RESOURCES DIVISION DISTRICT  
OFFICE; WISCONSIN DEPARTMENT OF  
NATURAL RESOURCES  
Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT;  
PUBLICATION  
Storage Media: PUNCHED CARD

WATER RESOURCES DIVISION  
DATA BASES

No. of Records: 15,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 1,200,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN  
Subject Coverage: INSTANTANEOUS STREAM DISCHARGE  
MEASUREMENTS AT SITES OTHER THAN  
GAGING STATIONS.

Geographical Coverage:

US STATE; US STATE OF WISCONSIN

Sources of Data:

FIELD MEASUREMENTS BY USGS PERSONNEL

Keywords:

HYDROLOGY; STREAM FLOW; SURFACE WATER

Definition/Description:

THE DATA BASE CONSISTS OF DISCHARGE MEASUREMENTS MADE BY USGS PERSONNEL AT PARTIAL-RECORD STATIONS AND AT MISCELLANEOUS SITES IN THE STATE OF WISCONSIN. DATA COLLECTED AT PARTIAL-RECORD STATIONS MAY BE PRINTED IN ONE OF TWO TABLE FORMATS. THE FIRST TABLE FORMAT IS FOR SITE-RECORD INFORMATION COLLECTED AT LOW FLOW PARTIAL-RECORD STATIONS. THE SECOND TABLE IS FOR SITE-RECORD INFORMATION COLLECTED AT HIGH FLOW OR CREST-STAGE PARTIAL-RECORD STATIONS. DATA COLLECTED AT MISCELLANEOUS SITES MAY BE PRINTED IN ONE OF THREE TABLE FORMATS. TWO TABLE FORMATS ARE FOR SITE-RECORD INFORMATION COLLECTED ALONG STREAM REACHES DURING LOW FLOW INVESTIGATIONS. THE THIRD TABLE FORMAT IS FOR ANY SITE-RECORD INFORMATION THAT CANNOT BE IDENTIFIED AS EITHER PARTIAL-RECORD STATION INFORMATION OR LOW FLOW INVESTIGATION INFORMATION. THE DATA BASE CONSISTS OF PUNCHED-CARD RECORDS CONTAINING LOCATION INFORMATION, DESCRIPTIVE INFORMATION, AND DISCHARGE MEASUREMENT DATA. THE DATA BASE IS PROCESSED BY USING A FORTRAN IV PROGRAM WRITTEN BY PERSONNEL IN THE WISCONSIN DISTRICT OFFICE.

\*\*\*\*\*

Data Base Name: MULTICS DATA COLLECTION PLATFORM  
SYSTEM FILE  
Acronym: MDCPSF  
DB Type: SPATIAL  
Contact Person: MERK, CHARLES F.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092

WATER RESOURCES DIVISION  
DATA BASES

Telephone: (703) 860-6871 (FTS) 928-6871  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: UNDER DEVELOPMENT  
Users: HYDROLOGISTS FROM FEDERAL, STATE  
AND LOCAL GOVERNMENT AGENCIES,  
INCLUDING U.S. ARMY CORPS OF  
ENGINEERS, U.S. GEOLOGICAL SURVEY,  
NATIONAL PARK SERVICE, AND  
NATIONAL WEATHER SERVICE  
Availability for Use/Access: LIMITED  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 100 RECORDS  
Bytes per Record: 13,820 BYTES  
Total Bytes in DB: 1,382,000 BYTES  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: HYDROLOGIC INFORMATION RELAYED VIA  
SATELLITE  
Geographical Coverage:  
US  
Sources of Data:  
REAL-TIME HYDROLOGIC DATA TRANSMITTED THROUGH TWO  
SATELLITE DATA COLLECTION SYSTEMS ARE ENTERED INTO THE  
DATA BASE AUTOMATICALLY FROM EARTH RECEIVER-SITE COMPUTER  
SYSTEMS.  
Documentation:  
UNDER DEVELOPMENT  
Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords:  
HYDROLOGIC DATA; HYDROLOGIC INSTRUMENTATION; SATELLITE  
COMMUNICATIONS  
Definition/Description:  
THE WATER RESOURCES DIVISION (WRD) OF THE USGS IS  
CURRENTLY ACQUIRING DATA IN REAL TIME FROM REMOTE SITES  
THROUGH TWO SATELLITE DATA COLLECTION SYSTEMS: GOES AND  
COMSAT. THE DATA BASE ON THE MULTICS SYSTEM PROVIDES THE  
USER IMMEDIATE ACCESS TO DATA THAT WERE AUTOMATICALLY  
SENSED AND TRANSMITTED FROM WRD'S NATIONWIDE NETWORK OF  
HYDROLOGIC DATA SITES.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: NATIONAL DIGITIZED HYDROLOGIC UNIT  
LINES DATA BASE  
Acronym: NATLBASE  
DB Type: SPATIAL  
Contact Person: STILTNER, GLORIA  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
OFFICE OF WATER DATA COORDINATION  
417 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6935 (FTS) 928-6935  
Spatial Data Type: POLYGON (HYDROLOGIC UNIT)  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: UNDER DEVELOPMENT  
Users: DEPARTMENT OF ENERGY;  
ENVIRONMENTAL PROTECTION AGENCY;  
NATIONAL WEATHER SERVICE; USGS  
OFFICE OF WATER DATA COORDINATION;  
STATE DEPARTMENTS OF NATURAL  
RESOURCES  
Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 48,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 3,840,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV; EASYTRIEVE  
Subject Coverage: DIGITIZED HYDROGRAPHIC BOUNDARIES  
OF MAJOR US RIVER BASINS  
Geographical Coverage:  
US; ALL 50 STATES  
Sources of Data:  
STATE HYDROLOGIC UNIT MAPS/MYLAR BASES DIGITIZED BY  
EASTERN MAPPING CENTER, U.S. GEOLOGICAL SURVEY NATIONAL  
MAPPING DIVISION  
Documentation:  
NONE

WATER RESOURCES DIVISION  
DATA BASES

Keywords:

HYDROLOGIC UNIT BOUNDARIES; HYDROLOGIC UNIT CODE; RIVER  
BASIN

Definition/Description:

A SERIES OF UNIFORM, NATIONALLY CONSISTENT STATE  
HYDROLOGIC UNIT MAPS THAT ACCURATELY DELINEATE THE  
HYDROGRAPHIC BOUNDARIES OF MAJOR U.S. RIVER BASINS HAS  
BEEN PREPARED BY THE U.S. GEOLOGICAL SURVEY IN COOPERATION  
WITH THE U.S. WATER RESOURCES COUNCIL. THESE MAPS PROVIDE  
A STANDARDIZED BASE FOR USE BY FEDERAL AND STATE WATER  
RESOURCES AGENCIES THROUGHOUT THE COUNTRY. THE DELINEATED  
HYDROLOGIC UNIT BOUNDARIES WERE DIGITIZED (AT A SCALE OF  
1:1,000,000) AND EDITED AS STATE OR PARTIAL STATE DATA  
BASES. THE PARTIAL STATE DATA BASES WERE THEN COMBINED TO  
FORM FULL STATE DATA BASES. SUBSEQUENTLY, THE STATES WERE  
JOINED (STATE BOUNDARIES DELETED) TO FORM THE NATIONAL  
DATA BASE (NATLBASE). THIS DATA BASE WILL CONTAIN ONLY THE  
CONTIGUOUS 48 STATES.

Comments:

THESE DATA WERE COLLECTED FOR 1972.

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Data Base Name:	NATIONAL STREAM QUALITY ACCOUNTING NETWORK (NASQAN) DATA BASE SYSTEM
Acronym:	NASQAN
DB Type:	SPATIAL
Structure:	HIERARCHIC
Contact Person:	SCHORNICK, JAMES C., JR.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 412 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6834 (FTS) 928-6834
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1972 - 1978
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, BRANCH OF WATER QUALITY HYDROLOGISTS
Availability for Use/Access:	LIMITED
Output Media:	MAGNETIC TAPE; BATCH COMPUTER PRINTOUT; PUBLICATION; PUNCHED CARDS
Storage Media:	DISK
Total Bytes in DB:	15,000,000 BYTES
Computer Makes and Models:	AMD V7

WATER RESOURCES DIVISION  
DATA BASES

Computer Locations: RESTON, VA  
Languages: PL/1  
DBMS: SYSTEM 2000  
Subject Coverage: WATER QUALITY DATA FROM NASQAN STATIONS

Geographical Coverage:  
US; CONTINENTAL US

Sources of Data:  
DATA ARE FROM THE WATER QUALITY FILE OF THE U.S.  
GEOLOGICAL SURVEY'S WATSTORE SYSTEM

Documentation:  
NO PUBLISHED DOCUMENTATION

Keywords:  
CHEMICAL ANALYSIS; RIVER; STREAM; WATER QUALITY; WATER TEMPERATURE

Definition/Description:  
THE NASQAN DATA BASE SYSTEM CONTAINS ALL WATER QUALITY DATA COLLECTED SINCE 1972 FOR 445 STATIONS CONSTITUTING THE NATIONAL STREAM QUALITY ACCOUNTING NETWORK (NASQAN). DATA IN THE SYSTEM INCLUDE FIELD MEASUREMENTS, COMMON CONSTITUENTS, AND SOME PESTICIDE AND RADIOCHEMICAL CONSTITUENTS.

\*\*\*\*\*

Data Base Name: NATIONAL WATER USE DATA SYSTEM  
Acronym: NWUDS  
DB Type: SPATIAL  
Structure: HIERARCHIC  
Contact Person: MANN, WILLIAM B.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
440 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6877 (FTS) 928-6877  
Spatial Data Type: POLYGON  
Coordinate System: HYDROLOGIC UNIT  
Time Span: 1980 - PRESENT  
Data Base Status: UNDER DEVELOPMENT  
Users: FEDERAL AGENCIES; STATE AGENCIES;  
PRIVATE CORPORATIONS;  
INDIVIDUALS.; ACADEMIC COMMUNITY  
DATA BASE WILL HAVE GLOBAL USE.  
Availability for Use/Access: LIMITED  
Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT; PUBLICATION  
Storage Media: DISK  
Computer Makes and Models: AMD V7

WATER RESOURCES DIVISION  
DATA BASES

Computer Locations: RESTON, VA  
DBMS: SYSTEM 2000  
Subject Coverage: WATER USE INFORMATION AGGREGATED  
BY COUNTY AND HYDROLOGIC UNITS AND  
CATEGORIZED BY USE

Geographical Coverage:  
US; ALL 50 STATES, PUERTO RICO, VIRGIN ISLANDS,  
WASHINGTON, DC

Sources of Data:  
USGS WATER RESOURCES DIVISION DISTRICT OFFICES AND  
COOPERATORS

Documentation:  
NONE

Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:  
CONSUMPTIVE USE; WATER USAGE; WATER USE

Definition/Description:  
THE NATIONAL WATER USE PROGRAM IS A COOPERATIVE  
FEDERAL-STATE PROGRAM DESIGNED TO COLLECT, STORE, AND  
DISSEMINATE WATER USE DATA TO COMPLEMENT DATA ON THE  
AVAILABILITY AND QUALITY OF THE NATION'S WATER RESOURCES.  
DESIGN OF THE PROGRAM SPECIFIES MEASUREMENT OF A BROAD  
RANGE OF WATER USE ELEMENTS THAT WERE SELECTED TO MEET  
MANY OF THE INFORMATION REQUESTS OF GROUPS INVOLVED IN  
PLANNING, MANAGEMENT, AND OPERATION ON NATIONAL, REGIONAL,  
AND LOCAL LEVELS. THE PRIMARY OBJECTIVES ARE (1) TO  
ACCOUNT FOR THE WATER USED THROUGHOUT THE UNITED STATES BE  
RETRIEVED AND USED AT THE NATIONAL, REGIONAL, AND LOCAL  
LEVELS; (3) TO MANAGE THE PROGRAM SO THAT THE DATA WILL BE  
UNIFORM IN QUALITY; AND (4) TO PROVIDE THE NECESSARY  
INFORMATION TO BE ABLE TO UPDATE AND MAKE PROJECTIONS OF  
FUTURE WATER REQUIREMENTS. NWUDS CONSISTS OF  
VARIABLE-LENGTH RECORDS CONTAINING THE DATA NEEDED TO  
ASCERTAIN THE WATER USED IN A PARTICULAR SUBREGION OR FOR  
THE ENTIRE NATION. THE INFORMATION CONSISTS OF TEXT,  
NUMERIC DATA, AND CODES. SOME TOPICS COVERED ARE  
SUBAREAS, FUNCTIONAL USE, VOLUME OF WATER WITHDRAWN OR  
RETURNED, AND ACCURACY OF DATA. THE DATA ARE HANDLED BY  
SYSTEM 2000.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: NEBRASKA DISCHARGE MEASUREMENT  
NOTES FILE  
Acronym: NDMNF  
DB Type: SPATIAL  
Contact Person: SCHILD, DONALD E.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
U.S. COURTHOUSE AND FEDERAL  
BUILDING  
LINCOLN, NE 68508  
Telephone: (402) 471-5082 (FTS) 541-5082  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1930 - 1979  
Data Base Status: OPERATIONAL  
Users: SEVERAL FEDERAL AND STATE AGENCIES  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT; MAGNETIC  
TAPE; PUNCHED CARDS  
Storage Media: MAGNETIC TAPE  
Computer Makes and Models: IBM 370/158  
Computer Locations: UNIVERSITY OF NEBRASKA; LINCOLN, NE  
Languages: COBOL; FORTRAN IV; PL/1  
Subject Coverage: DISCHARGE MEASUREMENT INFORMATION  
FOR NEBRASKA  
Geographical Coverage:  
US STATE; STATE OF NEBRASKA  
Sources of Data:  
FIELD SURVEY/MONITORING BY THE U.S. GEOLOGICAL SURVEY AND  
NEBRASKA DEPARTMENT OF WATER RESOURCES, PUBLICATIONS OF  
DISCHARGE MEASUREMENTS  
Documentation:  
NEBRASKA WATER RESOURCES DIVISION DISTRICT FILES  
Keywords:  
HYDROLOGIC DATA; STREAM VELOCITY; STREAM FLOW; SURFACE  
WATER  
Definition/Description:  
THE NEBRASKA DISCHARGE MEASUREMENT NOTES FILE CONTAINS  
DATA ON STREAM MEASUREMENTS. THESE INCLUDE DATE, NUMBER  
OF CROSS SECTIONS, METHOD, AREA, VELOCITY, WIDTH,  
DISCHARGE, AIR TEMPERATURE, WATER TEMPERATURE, SPECIFIC  
CONDUCTANCE, RATING, SHIFT, PERCENT DIFFERENCE, MEASURER'S  
NAME, AND REMARKS.



WATER RESOURCES DIVISION  
DATA BASES

Comments:

FORMAT REVISION IS BEING CONSIDERED.

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Data Base Name: NEBRASKA REGISTERED WELL FILE  
Acronym: NRWL  
DB Type: SPATIAL  
Contact Person: SCHILD, DONALD E.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
U.S. COURTHOUSE AND FEDERAL  
BUILDING  
LINCOLN, NE 68508  
Telephone: (402) 471-5082 (FTS) 541-5082  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1898 - 1979  
Data Base Status: OPERATIONAL  
Users: SEVERAL FEDERAL AND STATE  
AGENCIES; NEBRASKA WATER RESOURCES  
DIVISION DISTRICT OFFICE  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT; MAGNETIC  
TAPE; PUNCHED CARDS  
Storage Media: MAGNETIC TAPE  
No. of Records: 63,000 RECORDS  
Bytes per Record: 66 BYTES  
Total Bytes in DB: 4,158,000 BYTES  
Computer Makes and Models: IBM 370/158  
Computer Locations: LINCOLN, NE  
Languages: COBOL; FORTRAN IV; PL/1  
Subject Coverage: IRRIGATION-WELL REGISTRATION  
INFORMATION FOR NEBRASKA  
Geographical Coverage:  
US STATE; STATE OF NEBRASKA  
Sources of Data:  
NEBRASKA DEPARTMENT OF WATER RESOURCES INFORMATION  
REPORTED BY FARMERS AND DRILLERS UNDER STATE LAW  
Documentation:  
NEBRASKA WATER RESOURCES DIVISION DISTRICT FILES  
Keywords:  
AQUIFER; GROUNDWATER; HYDROLOGIC DATA; WELL

WATER RESOURCES DIVISION  
DATA BASES

Definition/Description:

THE NEBRASKA REGISTERED WELL FILE CONTAINS INFORMATION ON APPROXIMATELY 63,000 REGISTERED IRRIGATION, INDUSTRIAL, AND MUNICIPAL WELLS IN NEBRASKA. THIS INFORMATION INCLUDES DEPTH, STATIC WATER LEVEL, DYNAMIC WATER LEVEL, DIAMETER, AND LATITUDE AND LONGITUDE. APPLICATION PROGRAMS PRODUCE DATA LISTINGS, PLOT WELL LOCATIONS AND DATA, PROVIDE CUMMULATIVE TOTALS OF WELLS DRILLED BY YEAR AND ESTIMATED ACRES IRRIGATED, AND MAKE COMPUTATIONS USING STORED DATA.

\*\*\*\*\*

Data Base Name:	NEBRASKA SANDHILLS LAKES FILES
Acronym:	NSLF
DB Type:	SPATIAL
Contact Person:	SCHILD, DONALD E.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION U.S. COURTHOUSE AND FEDERAL BUILDING LINCOLN, NE 68508
Telephone:	(402) 471-5082 (FTS) 541-5082
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE; PUBLIC LAND SURVEY (SECTION, TOWNSHIP, AND RANGE)
Data Base Status:	OPERATIONAL
Users:	HIGH PLAINS REGIONAL AQUIFER STUDY RESEARCHERS; NEBRASKA WATER RESOURCES DIVISION DISTRICT OFFICE
Availability for Use/Access:	LIMITED
Output Media:	BATCH COMPUTER PRINTOUT; MAGNETIC TAPE
Storage Media:	DISK
No. of Records:	200 RECORDS
Bytes per Record:	80 BYTES
Total Bytes in DB:	16,000 BYTES
Computer Makes and Models:	IBM 370/158
Computer Locations:	LINCOLN, NE
Languages:	PL/1
Subject Coverage:	INFORMATION ON SANDHILLS LAKES IN NEBRASKA

WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US STATE; STATE OF NEBRASKA

Sources of Data:

NEBRASKA STATE GAME, FISH, AND PARKS PUBLICATIONS

Documentation:

NEBRASKA WATER RESOURCES DIVISION DISTRICT FILES

Keywords:

ALKALINITY; DRAINAGE; LAKE

Definition/Description:

THE NEBRASKA SANDHILLS LAKES FILE CONTAINS INFORMATION ON  
ALTITUDE, ALKALINITY, DRAINAGE TYPE, AND NAME.

Comments:

THESE DATA WERE COLLECTED IN 1979.

\*\*\*\*\*

Data Base Name:	NEBRASKA TEST HOLES FILE
Acronym:	NTF
DB Type:	SPATIAL
Contact Person:	SCHILD, DONALD E.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION U.S. COURTHOUSE AND FEDERAL BUILDING LINCOLN, NE 68508
Telephone:	(402) 471-5082 (FTS) 541-5082
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE; PUBLIC LAND SURVEY (SECTION, TOWNSHIP, AND RANGE)
Time Span:	1930 - PRESENT
Data Base Status:	OPERATIONAL
Users:	SEVERAL FEDERAL AND STATE AGENCIES
Availability for Use/Access:	LIMITED
Output Media:	MAGNETIC TAPE; BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE
No. of Records:	3,261 RECORDS
Bytes per Record:	240 BYTES
Total Bytes in DB:	782,640 BYTES
Computer Makes and Models:	IBM 370/158
Computer Locations:	LINCOLN, NE
Languages:	COBOL; FORTRAN IV; PL/1
Subject Coverage:	TESTHOLE INFORMATION FOR NEBRASKA

WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US STATE; NEBRASKA

Sources of Data:

FIELD SURVEY/MONITORING OF USGS AND THE CONSERVATION AND  
SURVEY DIVISION OF THE UNIVERSITY OF NEBRASKA

Documentation:

NEBRASKA WATER RESOURCES DIVISION DISTRICT FILES

Keywords:

AQUIFER; GROUNDWATER; HYDROLOGIC DATA

Definition/Description:

THE NEBRASKA TEST HOLE FILE CONTAINS LOCATIONS OF TEST  
HOLES DRILLED IN NEBRASKA. INFORMATION IS STORED IN THE  
ABC CARD FORMAT AND CONTAINS DEPTH TO BEDROCK FOR SOME  
TESTHOLES.

Comments:

FORMAT IS BEING REVISED.

\*\*\*\*\*

Data Base Name:

NEBRASKA WATER LEVEL FILE

Acronym:

NWLF

DB Type:

SPATIAL

Contact Person:

SCHILD, DONALD E.

Address:

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
U.S. COURTHOUSE AND FEDERAL  
BUILDING

LINCOLN, NE 68508

Telephone:

(402) 471-5082 (FTS) 541-5082

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE; PUBLIC LAND  
SURVEY (SECTION, TOWNSHIP, AND  
RANGE)

Time Span:

1930 - 1979

Data Base Status:

OPERATIONAL

Users:

SEVERAL FEDERAL AND STATE  
AGENCIES; NEBRASKA WATER RESOURCES  
DIVISION DISTRICT OFFICE

Availability for Use/Access: LIMITED

Output Media:

BATCH COMPUTER PRINTOUT; MAGNETIC  
TAPE; PUBLICATION; PUNCHED CARDS

Storage Media:

MAGNETIC TAPE

No. of Records:

120,000 RECORDS

Bytes per Record:

80 BYTES

Total Bytes in DB:

9,600,000 BYTES

Computer Makes and Models:

IBM 370/158

Computer Locations:

LINCOLN, NE

Languages:

COBOL; FORTRAN IV; PL/1

WATER RESOURCES DIVISION  
DATA BASES

Subject Coverage: WATER LEVEL INFORMATION FOR  
NEBRASKA

Geographical Coverage:  
US STATE; STATE OF NEBRASKA

Sources of Data:  
FIELD SURVEY/MONITORING BY THE USGS AND SEVERAL FEDERAL  
AND STATE AGENCIES

Documentation:  
LANG, S. M., AND LEONARD, A. R., 1967, INSTRUCTIONS FOR  
USING THE PUNCH CARD SYSTEM FOR THE STORAGE AND RETRIEVAL  
OF GROUNDWATER DATA: U.S. GEOLOGICAL SURVEY OPEN-FILE  
REPORT, 93 P.

Keywords:  
AQUIFER; GROUNDWATER; HYDROLOGIC DATA

Definition/Description:  
THE NEBRASKA WATER LEVEL FILE CONSISTS OF WELL  
INFORMATION, SUCH AS ALTITUDE, DEPTH, DIAMETER, OWNER,  
LATITUDE AND LONGITUDE, PREDEVELOPMENT LEVEL, AQUIFER, AND  
MEASURING POINT. IN ADDITION, DATA ON WATER LEVELS FOR  
THESE WELLS ARE STORED. THESE INCLUDE READINGS TAKEN  
EVERY FIVE DAYS FOR SEVERAL RECORDER WELLS. A WIDE VARIETY  
OF APPLICATION PROGRAMS EXISTS TO ACCESS THIS DATA BASE.  
THESE PROGRAMS INCLUDE HYDROGRAPHS, DATA LISTING, AND  
PLOTS AT ANY SCALE.

\*\*\*\*\*

Data Base Name: NEBRASKA WELL SCHEDULE FILE

Acronym: NWSF

DB Type: SPATIAL

Contact Person: SCHILD, DONALD E.

Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
U.S. COURTHOUSE AND FEDERAL  
BUILDING  
LINCOLN, NE 68508

Telephone: (402) 471-5082 (FTS) 541-5082

Spatial Data Type: POINT

Coordinate System: LATITUDE/LONGITUDE; PUBLIC LAND  
SURVEY (SECTION, TOWNSHIP, AND  
RANGE)

Time Span: 1898 - 1979

Data Base Status: OPERATIONAL

Users: SEVERAL FEDERAL AND STATE  
AGENCIES; NEBRASKA WATER RESOURCES  
DIVISION DISTRICT OFFICE

Availability for Use/Access: LIMITED

Output Media: BATCH COMPUTER PRINTOUT; MAGNETIC

WATER RESOURCES DIVISION  
DATA BASES

	TAPE
Storage Media:	MAGNETIC TAPE
No. of Records:	11,940 RECORDS
Bytes per Record:	200 BYTES
Total Bytes in DB:	2,388,000 BYTES
Computer Makes and Models:	IBM 370/158
Computer Locations:	LINCOLN, NE
Languages:	COBOL; FORTRAN IV; PL/1
Subject Coverage:	WELL SCHEDULE INFORMATION FOR NEBRASKA

Geographical Coverage:  
US STATE; STATE OF NEBRASKA

Sources of Data:  
FIELD SURVEY/MONITORING BY THE USGS AND SEVERAL FEDERAL  
AND STATE AGENCIES

Documentation:  
NEBRASKA WATER RESOURCES DIVISION DISTRICT FILES

Keywords:  
AQUIFER; GROUNDWATER; HYDROLOGIC DATA

Definition/Description:  
THE NEBRASKA WELL SCHEDULE FILE CONTAINS INFORMATION  
SIMILAR TO THAT CONTAINED IN THE ABC CARD FORMAT FOR  
INFORMATION ON USGS FORM 9-1642. THIS INFORMATION  
INCLUDES DATA CONCERNING USE, DEPTH, MEASURING POINT,  
ALTITUDE OF LAND SURFACE, WATER LEVEL, AND PUMP TYPE.

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Data Base Name:	NEW ENGLAND ABC SITE INVENTORY DATA BASE
Acronym:	NEABC SI
DB Type:	SPATIAL
Contact Person:	KLESERT, R. S.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 150 CAUSEWAY STREET BOSTON, MA 02114 (617) 223-4521 (FTS) 223-4521
Telephone:	
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	USGS HYDROLOGISTS
Availability for Use/Access:	LIMITED
Output Media:	BATCH COMPUTER PRINTOUT; PUBLICATION
Storage Media:	PUNCHED CARD; MAGNETIC TAPE
No. of Records:	80,000 RECORDS
Bytes per Record:	80 BYTES

WATER RESOURCES DIVISION  
DATA BASES

Total Bytes in DB: 6,400,000 BYTES  
Computer Makes and Models: PRIME  
Computer Locations: BOSTON, MA  
Languages: PL/1; FORTRAN  
Subject Coverage: SITE INVENTORY DATA OF SELECTED  
WELLS AND BORINGS THROUGHOUT NEW  
ENGLAND (EXCEPT MAINE)

Geographical Coverage:  
REGIONAL US; NEW ENGLAND (EXCLUDING MAINE)

Sources of Data:  
PERSONNEL OF THE U.S. GEOLOGICAL SURVEY, WATER RESOURCES  
DIVISION, NEW ENGLAND DISTRICT

Documentation:  
NONE

Keywords:  
AQUIFER; GROUNDWATER; HYDROLOGIC DATA; WELL

Definition/Description:  
THE NEABC SI CONTAINS SITE INVENTORY DATA FOR MORE THAN  
25,000 SELECTED WELLS AND BORINGS THROUGHOUT NEW ENGLAND  
(EXCEPT MAINE). THE FORMAT OF THE DATA IS A MODIFIED  
VERSION OF THE USGS ABC FORMAT. PL/1 AND FORTRAN PROGRAMS  
ARE AVAILABLE TO EDIT THE DATA AND PRODUCE PUBLICATION  
TABLES. WORK IS CURRENTLY IN PROGRESS TO CONVERT THE GWSI  
DATA BASE AND CONVERT THE PROGRAMS TO ACCESS THAT DATA  
BASE.

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Data Base Name: NEW ENGLAND DISTRICT (WRD) LOW  
FLOW SUMMARY FILE  
Acronym: NEMSW  
DB Type: SPATIAL  
Contact Person: LINNEY, JAMES D.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
NEW ENGLAND DISTRICT OFFICE  
BOSTON, MA 02114  
Telephone: (617) 223-4521 (FTS) 223-4521  
Spatial Data Type: POINT  
Time Span: 1903 - 1978  
Data Base Status: UNDER DEVELOPMENT  
Users: U.S. GEOLOGICAL SURVEY  
HYDROLOGISTS AND TECHNICIANS  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
No. of Records: 1,000 RECORDS  
Computer Makes and Models: AMD  
Computer Locations: RESTON, VA

WATER RESOURCES DIVISION  
DATA BASES

Languages: PL/1; IBM UTILITIES  
Subject Coverage: LOW FLOW AND MISCELLANEOUS  
DISCHARGE MEASUREMENTS COLLECTED  
AT PARTIAL-RECORD AND  
MISCELLANEOUS SITES IN NEW ENGLAND

Geographical Coverage:  
REGIONAL US; NEW ENGLAND (EXCLUDING MAINE)

Sources of Data:  
DATA COLLECTED BY PERSONNEL OF THE NEW ENGLAND DISTRICT OF  
THE WATER RESOURCES DIVISION OF THE U.S. GEOLOGICAL SURVEY

Documentation:  
NONE

Keywords:  
HYDROLOGIC DATA; STREAM FLOW

Definition/Description:  
THE NEW ENGLAND DISTRICT (WRD) LOW FLOW SUMMARY FILE WILL  
CONTAIN LOW FLOW AND MISCELLANEOUS DISCHARGE MEASUREMENTS  
FOR MORE THAN 1,000 SITES THROUGHOUT NEW ENGLAND (EXCEPT  
MAINE). THE FORMAT OF THE FILE IS BASED ON A PROGRAM  
DEVELOPED BY ROBERT L. GOLD (HYDROLOGIST, SOUTHEASTERN  
REGION) FOR THE TENNESSEE DISTRICT AND MODIFIED BY NEW  
ENGLAND DISTRICT PERSONNEL. THE AVAILABLE PROGRAMS WILL  
BUILD, UPDATE, AND GENERATE PRINTED REPORTS FROM AN ISAM  
FILE. IBM UTILITIES ARE USED TO OFFLOAD THE FILE TO  
MAGNETIC TAPE.

\*\*\*\*\*

Data Base Name: NEW YORK COOPERATIVE SNOW SURVEY  
Acronym: SNOW  
DB Type: SPATIAL  
Contact Person: ALLEN, RONALD V.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
P.O. BOX 1350  
ALBANY, NY 12201  
Telephone: (518) 472-3107 (FTS) 562-3107  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1946 - PRESENT  
Data Base Status: OPERATIONAL  
Users: NEW YORK WATER RESOURCES DIVISION  
DISTRICT  
Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: PUNCHED CARDS; MAGNETIC TAPE  
No. of Records: 12,000 RECORDS  
Bytes per Record: 80 BYTES



WATER RESOURCES DIVISION  
DATA BASES

Total Bytes in DB: 960,000 BYTES  
Computer Makes and Models: PRIME 850  
Computer Locations: ALBANY, NY  
Languages: FORTRAN  
Subject Coverage: DOCUMENTATION OF SNOW COVER AND  
ITS WATER EQUIVALENT (AMOUNTS AND  
DISTRIBUTION)

Geographical Coverage:

US STATE; STATE OF NEW YORK EXCEPT LONG ISLAND

Sources of Data:

COLLECTION BY HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
(REGIONAL COMMISSION), NATIONAL WEATHER SERVICE, NEW YORK  
STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NIAGARA  
MOHAWK, U.S. ARMY CORPS OF ENGINEERS, NEW YORK WATER  
RESOURCES DIVISION DISTRICT, OTHERS

Documentation:

NONE

Keywords:

METEOROLOGY; SNOW SURVEY; SNOW COVER

Definition/Description:

THE DATA BASE STORES MEASUREMENTS ON SNOW DEPTH AND WATER  
EQUIVALENT FROM 480 SITES IN NEW YORK STATE. THE USGS NEW  
YORK WATER RESOURCES DIVISION DISTRICT MEASURES 15 PERCENT  
OF THE SITES AND ACTS AS THE CENTRAL COMPILING AGENCY FOR  
THE NEW YORK COOPERATIVE SNOW SURVEY (SNOW). THE MAJORITY  
OF DATA IS MEASURED BY OTHER FEDERAL, STATE, AND LOCAL  
GOVERNMENTAL AGENCIES, UTILITIES, AND PRIVATE INDIVIDUALS.  
SIX SNOW SURVEYS ARE SCHEDULED AT THE OUTSET OF EACH  
SEASON. THE FIRST THREE ARE CONDUCTED MONTHLY, BEGINNING  
WITH THE FIRST WEEK OF JANUARY, THE LAST THREE ARE  
BIWEEKLY, BEGINNING IN MID-MARCH. FIELD DATA COLLECTION  
FOR EACH SURVEY IS COMPLETED WITHIN THREE DAYS  
(MONDAY-WEDNESDAY) AND PROVIDES A SYNOPTIC OVERVIEW OF  
CURRENT SNOWCOVER AND ITS AREAL DISTRIBUTION. DATA FOR  
EACH SITE ARE SEGREGATED BY MEASUREMENT PERIOD. SNOW  
LISTS DATA BY YEAR WITHIN MEASUREMENT PERIOD AND GENERATES  
MAXIMUM, MINIMUM, AND MEAN VALUES. THESE STATISTICS ARE  
USED BY THE USGS AS A BASE TO COMPARE CURRENT CONDITIONS  
WITH NORMAL CONDITIONS AND AID PREPARATION OF A TIMELY  
SUMMARY REPORT OF CURRENT CONDITIONS, WHICH IS MAILED TO  
300 RECIPIENTS TWO DAYS AFTER FIELD DATA COLLECTION.

Comments:

STATISTICS ON MONTHLY MEAN, SNOW DEPTH, AND WATER CONTENT  
ARE AVAILABLE IN COMPUTER PRINTOUT.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name:                   PARAMETER CODE DICTIONARY FILE  
Acronym:                           PCD FILE  
DB Type:                           SCIENTIFIC AND TECHNICAL  
Contact Person:                   MADDY, DAVID V.  
Address:                           U.S. GEOLOGICAL SURVEY  
                                  WATER RESOURCES DIVISION  
                                  437 NATIONAL CENTER  
                                  RESTON, VA     22092  
  
Telephone:                       (703) 860-6871   (FTS) 928-6871  
Time Span:                       1971 - PRESENT  
Data Base Status:                OPERATIONAL  
Users:                            U.S. GEOLOGICAL SURVEY AND  
                                  REGISTERED WATSTORE USERS  
  
Availability for Use/Access: UNLIMITED  
Access Method:                   BATCH  
Output Media:                    BATCH COMPUTER PRINTOUT  
Storage Media:                   DISK  
No. of Records:                  2,000 RECORDS  
Bytes per Record:                80 BYTES  
Total Bytes in DB:               160,000 BYTES  
Computer Makes and Models:   AMD V7  
Computer Locations:              RESTON, VA  
Languages:                       PL/1  
Subject Coverage:                NUMERIC CODES ASSIGNED BY THE  
                                  ENVIRONMENTAL PROTECTION AGENCY TO  
                                  PHYSICAL, CHEMICAL, AND BIOLOGICAL  
                                  PROPERTIES OF WATER  
  
Geographical Coverage:  
    US; US, CANADA, GUAM, AND MEXICO  
Sources of Data:  
    ENVIRONMENTAL PROTECTION AGENCY'S STORET SYSTEM  
Documentation:  
    UNPUBLISHED DOCUMENTATION: VOLUME III, WATSTORE--NATIONAL  
    WATER DATA STORAGE AND RETRIEVAL SYSTEM USER'S GUIDE  
Systems Which Access Data Base:  
    NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords:  
    QUALITY; SURFACE WATER; WATER; WATER QUALITY  
Definition/Description:  
    THIS DICTIONARY IS PRESENTLY INTERFACED WITH THE WATER  
    QUALITY DATA FILE AND THE DAILY VALUES DATA FILE OF  
    WATSTORE TO INSURE THAT ALL PARAMETER CODES STORED ARE  
    VALID AND THAT PROPER TABLE HEADINGS AND PRECISION  
    REPORTING ARE USED. THE FILE IS PRESENTLY UNDER  
    DEVELOPMENT TO INCLUDE COMPUTATION ALGORITHMS, GROUP CODES  
    FOR PESTICIDES, ANIONS AND CATIONS, AND CROSS-REFERENCES  
    TO THE WATER RESOURCES DIVISION CENTRAL LABORATORY  
    PARAMETER CODE FILE.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: PARTIAL AND FULL-STATE DIGITIZED  
HYDROLOGIC UNIT LINES AND DATA  
BASE  
Acronym: PTSTBASE  
DB Type: SPATIAL  
Contact Person: STILTNER, GLORIA  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
OFFICE OF WATER DATA COORDINATION  
417 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6971 (FTS) 928-6971  
Spatial Data Type: POLYGON (HYDROLOGIC UNIT)  
Data Base Status: OPERATIONAL  
Users: DEPARTMENT OF ENERGY;  
ENVIRONMENTAL PROTECTION AGENCY;  
NATIONAL WEATHER SERVICE; U.S.  
GEOLOGICAL SURVEY OFFICE OF WATER  
DATA COORDINATION; VARIOUS STATE  
DEPARTMENTS OF NATURAL RESOURCES  
Availability for Use/Access: UNLIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
No. of Records: 48,176 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 3,854,080 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV; EASYTRIEVE  
Subject Coverage: DIGITIZED HYDROGRAPHIC BOUNDARIES  
OF MAJOR US RIVER BASINS  
Geographical Coverage: US; NATIONWIDE  
Sources of Data: STATE HYDROLOGIC UNIT MAPS/MYLAR BASES DIGITIZED BY U.S.  
GEOLOGICAL SURVEY EASTERN MAPPING CENTER, NATIONAL MAPPING  
DIVISION  
Documentation: NONE

WATER RESOURCES DIVISION  
DATA BASES

Systems Which Access Data Base:

NATIONAL WATER DATA EXCHANGE

Keywords:

HYDROLOGIC UNIT BOUNDARY; HYDROLOGIC UNIT CODE; RIVER BASIN

Definition/Description:

A SERIES OF UNIFORM, NATIONALLY CONSISTENT STATE HYDROLOGIC UNIT MAPS THAT ACCURATELY DELINEATE THE HYDROGRAPHIC BOUNDARIES OF MAJOR US RIVER BASINS HAS BEEN PREPARED BY THE U.S. GEOLOGICAL SURVEY IN COOPERATION WITH THE U.S. WATER RESOURCES COUNCIL. THESE MAPS PROVIDE A STANDARDIZED BASE FOR USE BY FEDERAL AND STATE WATER RESOURCES AGENCIES THROUGHOUT THE COUNTRY. THE DELINEATED HYDROLOGIC UNIT BOUNDARIES WERE DIGITIZED (AT A SCALE OF 1:1,000,000) AND EDITED AS STATE OR PARTIAL STATE DATA BASES. THESE INDIVIDUAL DATA SETS WERE COMPILED AS THE PTSTBASE DATA BASE. CONCURRENTLY, A COMPUTER PROGRAM HUCCODE (USED AS A SUBROUTINE) WAS DEVELOPED TO USE THE PTSTBASE TO IDENTIFY THE HYDROLOGIC UNIT CODE ASSOCIATED WITH THE POINT LOCATION OF A DATA SITE. HUCCODE AND PTSTBASE ARE NOW BEING USED BY THE NATIONAL WATER DATA EXCHANGE TO ASSIGN HYDROLOGIC UNIT CODES TO DATA SITES IN ITS MWDI FILE.

Comments:

THESE DATA WERE COLLECTED IN 1972.

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Data Base Name:	PEAK FLOW FILE
Acronym:	PKFIL
DB Type:	SPATIAL
Contact Person:	DEMPSTER, GEORGE R.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 437 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6872 (FTS) 928-6872
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1970 - PRESENT
Data Base Status:	OPERATIONAL
Users:	DEPARTMENT OF AGRICULTURE; DEPARTMENT OF THE ARMY; DEPARTMENT OF COMMERCE; DEPARTMENT OF THE INTERIOR; REGIONAL COMMISSIONS; STATE, COUNTY, AND LOCAL GOVERNMENT AGENCIES; UTILITY COMPANIES
Availability for Use/Access:	UNLIMITED

WATER RESOURCES DIVISION  
DATA BASES

Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUBLICATION; PUNCHED  
CARDS

Storage Media: MAGNETIC TAPE; DISK

No. of Records: 412,000 RECORDS

Computer Makes and Models: AMD V7

Computer Locations: RESTON, VA

Languages: PL/1

Subject Coverage: ANNUAL MAXIMUM DISCHARGES AND GAGE  
HEIGHTS

Geographical Coverage:  
US; US AND OUTLYING TERRITORIES

Sources of Data:  
U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION  
HYDROLOGISTS AND TECHNICIANS, OPERATION OF SURFACE WATER  
SITES

Documentation:  
LEPKIN, W. D., DELAPP, M. M., KIRBY, W. H., AND WILSON, T.  
A., 1979, INSTRUCTIONS FOR PEAK FLOW FILE CH. I, IN  
WATSTORE USER'S GUIDE, V. 4: U.S. GEOLOGICAL SURVEY  
OPEN-FILE REPORT 79-1336-I, 204 P.

Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:  
GAGING STATION; PEAK DISCHARGE; PEAK ELEVATION; SURFACE  
WATER; TIME SERIES

Definition/Description:  
THE PEAK FLOW FILE CONTAINS THE ANNUAL MAXIMUM DISCHARGE  
AND THE ANNUAL MAXIMUM GAGE HEIGHT VALUES OBTAINED AT  
SURFACE WATER SITES. THE FILE CONSISTS OF FIXED-LENGTH  
RECORDS CONTAINING SITE IDENTIFICATION AND NAME, STATE  
CODE, DRAINAGE AREA, GAGE DATUM, DATE OF ANNUAL MAXIMUM  
DISCHARGE AND GAGE HEIGHT, AND REMARKS CODES FOR MAXIMUM  
DISCHARGE AND GAGE HEIGHT. ALL UNITS ARE ENGLISH UNITS.  
THE DATA ARE PROCESSED BY SOFTWARE DEVELOPED BY THE WATER  
RESOURCES DIVISION. THE PRIMARY APPLICATION PROGRAM FOR  
THE FILE IS A PROGRAM THAT COMPUTES LOG-PEARSON TYPE III  
FREQUENCY DISTRIBUTION IN ACCORDANCE WITH GUIDELINES  
ESTABLISHED BY THE WATER RESOURCES COUNCIL.

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Data Base Name: PRECIPITATION NETWORK

Acronym: PRECIP

DB Type: SPATIAL

Contact Person: CARTWRIGHT, ROBERT

Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION

WATER RESOURCES DIVISION  
DATA BASES

P.O. BOX 1350  
ALBANY, NY 12201  
(518) 472-3107 (FTS) 562-3107

Telephone: POINT  
Spatial Data Type: LATITUDE/LONGITUDE  
Coordinate System: 1965 - PRESENT  
Time Span: OPERATIONAL  
Data Base Status: NEW YORK STATE DEPARTMENT OF  
Users: ENVIRONMENTAL CONSERVATION; NEW  
YORK WATER RESOURCES DIVISION  
DISTRICT

Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 2,000 RECORDS  
Bytes per Record: 400 BYTES  
Total Bytes in DB: 800,000 BYTES  
Computer Makes and Models: PRIME  
Computer Locations: ALBANY, NY  
Languages: FORTRAN  
Subject Coverage: QUALITY OF PRECIPITATION  
Geographical Coverage:  
US STATE; STATE OF NEW YORK

Sources of Data:  
MONTHLY COMPOSITE SAMPLE COLLECTED BY LOCAL OBSERVERS AND  
ANALYZED BY THE NATIONAL WATER QUALITY LABORATORY--ATLANTA

Documentation:  
USGS NEW YORK OPEN-FILE ANNUAL REPORTS FROM 1965 TO THE  
PRESENT

Keywords:  
CHEMICAL ANALYSES; HYDROLOGIC DATA; PRECIPITATION; WATER  
QUALITY

Definition/Description:  
LOCAL OBSERVERS COLLECT MONTHLY COMPOSITE PRECIPITATION  
SAMPLES FROM 13 STATIONS LOCATED ACROSS NEW YORK STATE.  
THE STATIONS CONSIST OF A FUNNEL THAT DRAINS INTO A TEFLON  
BOTTLE KEPT IN A HEATED AND INSULATED SHELTER. USGS  
PERSONNEL MEASURE SPECIFIC CONDUCTANCE AND PH, DETERMINE  
ACIDITY, AND THEN SEND THE SAMPLE TO THE NATIONAL WATER  
QUALITY LABORATORY--ATLANTA, WHERE 12 OTHER PARAMETERS ARE  
DETERMINED. NINE OF THESE STATIONS HAVE BEEN IN OPERATION  
SINCE 1965, AND THE OTHER FOUR HAVE BEEN IN OPERATION  
SINCE THE MIDDLE TO LATE 1970'S. THE ANALYSES ARE  
COMBINED WITH NATIONAL WEATHER SERVICE DATA ON INCHES OF  
PRECIPITATION FOR THE SAMPLING PERIOD AND PUBLISHED IN  
ANNUAL BASIC DATA REPORTS.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: PUBLIC WATER SUPPLY  
Acronym: PWS  
DB Type: SPATIAL  
Contact Person: LANZA, MELINDA M.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
P.O. BOX 1350  
ALBANY, NY 12022  
Telephone: (518) 472-3107 (FTS) 562-3107  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1970 - 1975  
Data Base Status: OPERATIONAL  
Users: NEW YORK STATE DEPARTMENT OF  
HEALTH; NEW YORK WATER RESOURCES  
DIVISION DISTRICT  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; PUNCHED CARDS  
No. of Records: 2,800 RECORDS  
Total Bytes in DB: 4,000,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN; COBOL  
Subject Coverage: QUALITY OF WATER OF PUBLIC WATER  
SUPPLIES FOR NEW YORK STATE,  
TREATMENTS OF SAME WATER AND  
EFFECT OF TREATMENTS  
Geographical Coverage:  
US STATE; STATE OF NEW YORK  
Sources of Data:  
WATER SAMPLES COLLECTED BY NEW YORK WATER RESOURCES  
DIVISION DISTRICT AND ANALYZED BY NATIONAL WATER QUALITY  
LABORATORY-ATLANTA  
Documentation:  
QUALITY OF PUBLIC WATER SUPPLIES OF NEW YORK--U.S.  
GEOLOGICAL SURVEY OPEN-FILE REPORTS WRITTEN IN 1974, 1975,  
1976, AND 1977

WATER RESOURCES DIVISION  
DATA BASES

Keywords:

CHEMICAL ANALYSES; DRINKING WATER; PUBLIC SUPPLY; WATER QUALITY

Definition/Description:

THE DATA BASE CONTAINS FIXED-LENGTH RECORDS OF INDIVIDUAL SAMPLES. THE DATA INCLUDE STATION IDENTIFIERS, DATA OF COLLECTION, CHEMICALS ANALYZED, AND VALUES FOUND. THESE DATA ARE THEN USED FOR TABLING AND FOR STATISTICAL ANALYSIS.

Comments:

THESE DATA ALSO RESIDE IN THE WATSTORE WATER QUALITY FILE IN RESTON, VA.

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Data Base Name:	PUMPAGE FROM POWER (ANNUAL, PGE)
Acronym:	PUMP
DB Type:	SPATIAL
Contact Person:	MITTEN, HUGH
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 2800 COTTAGE WAY SACRAMENTO, CA 95825
Telephone:	(916) 484-4606 (FTS) 468-4606
Spatial Data Type:	POINT
Coordinate System:	STATE PLANE COORDINATES
Time Span:	1974 - 1976
Data Base Status:	OPERATIONAL
Users:	CALIFORNIA WATER RESOURCES DIVISION
Availability for Use/Access:	LIMITED
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	DISK
No. of Records:	1,000,000 RECORDS
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	PL/1; FORTRAN IV
Subject Coverage:	KILOWATT-HOUR USE FOR AGRICULTURAL WELLS
Geographical Coverage:	REGIONAL US; NORTHERN CALIFORNIA
Sources of Data:	RICHARD PICCHI, PACIFIC GAS AND ELECTRIC COMPANY, 77 BEALE STREET, SAN FRANCISCO, CA 94106



WATER RESOURCES DIVISION  
DATA BASES

Documentation:

NONE

Keywords:

GROUNDWATER; POWER USE; PUMPAGE; WELLS

Definition/Description:

THE DATA BASE CONSISTS OF SEPARATE DISK PACKS, ONE FOR EACH CALENDAR YEAR. ONLY AGRICULTURAL ACCOUNTS ARE INCLUDED. AMONG THE ITEMS STORED FOR EACH ACCOUNT ARE ACCOUNT NUMBER, DIVISION AND DISTRICT CODES, LOCATION COORDINATES, PUMP HORSEPOWER, AND METERED MONTHLY KILOWATT-HOUR USE FOR EACH OF THE 12 MONTHS. THE RECORDS ARE FIXED IN LENGTH. THE SOURCE AGENCY PROVIDES DATA ON A MONTHLY BASIS, AND THE ANNUAL FILE IS INCREMENTED ON A MONTHLY BASIS. NO COMPREHENSIVE RETRIEVAL PACKAGE EXISTS. A BASIC RETRIEVAL PACKAGE EXISTS WITH WHICH A USER MAY RETRIEVE ANNUAL RECORDS FOR A PARTICULAR DIVISION AND DISTRICT. THE DATA ARE USED TO GENERATE TABLES OF PUMPAGE. THE PUMPAGE VALUES CAN THEN BE INTRODUCED INTO VARIOUS GROUNDWATER MODELING PROGRAMS.

Comments:

THE DATA BASE WAS DESIGNED SPECIFICALLY FOR USE BY USGS WATER RESOURCES DIVISION PERSONNEL OF THE CALIFORNIA DISTRICT. OTHERS WHO WISH TO ACCESS PACIFIC GAS AND ELECTRIC COMPANY'S DATA SHOULD CONTACT THAT COMPANY DIRECTLY.

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Data Base Name:	RATING TABLE FILE
Acronym:	RAT FILE
DB Type:	SPATIAL
Contact Person:	STUTHMANN, NEIL G.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 437 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6871 (FTS) 928-6871
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1973 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY HYDROLOGISTS
Availability for Use/Access:	AVAILABLE FOR LIMITED ACCESS
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	8,000 RECORDS
Bytes per Record:	264 BYTES
Total Bytes in DB:	2,112,000 BYTES

WATER RESOURCES DIVISION  
DATA BASES

Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: STAGE-DISCHARGE RATING  
Geographical Coverage: US

Sources of Data:  
STATE SURVEYS, U.S. ARMY CORPS OF ENGINEERS, U.S.  
GEOLOGICAL SURVEY WATER RESOURCES DIVISION HYDROLOGISTS  
AND TECHNICIANS

Documentation:  
HUTCHISON, N. E., COMPILER, 1975, WATSTORE--NATIONAL WATER  
DATA STORAGE AND RETRIEVAL SYSTEM OF THE U.S. GEOLOGICAL  
SURVEY--USERS GUIDE: U.S. GEOLOGICAL SURVEY OPEN-FILE  
REPORT 75-426, 532 P.

Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM (WATSTORE)

Keywords:  
GAGING STATIONS; RATINGS; STREAM FLOW

Definition/Description:  
THE RATING TABLE FILE CONTAINS DATA NEEDED IN THE  
COMPUTATION OF STREAM FLOW RECORDS. THE FILE CONTAINS ONE  
RECORD PER STATION AND CONTAINS STAGE VERSUS DISCHARGE  
VALUES USED IN THE PROCESSING OF DIGITAL RECORDER RECORDS  
AND THE STORING OF VALUES IN THE DAILY VALUES FILE.

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Data Base Name: RIVER MILES FOR ILLINOIS STREAMS  
Acronym: RIVER MILE FILE  
DB Type: SPATIAL  
Contact Person: HEALY, RICHARD W.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
P.O. BOX 1026  
CHAMPAIGN, IL 61820  
Telephone: (217) 398-5365 (FTS) 958-5365  
Spatial Data Type: POINT (INDEXED BY RIVER MILE)  
Time Span: 1977 - PRESENT  
Data Base Status: UNDER DEVELOPMENT  
Users: U.S. ARMY CORPS OF ENGINEERS; U.S.  
GEOLOGICAL SURVEY WATER RESOURCES  
DIVISION  
Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT; PUNCHED  
CARDS  
Storage Media: PUNCHED CARDS; MAGNETIC TAPE  
No. of Records: 20,000 RECORDS

WATER RESOURCES DIVISION  
DATA BASES

Bytes per Record: 40 BYTES  
Total Bytes in DB: 800,000 BYTES  
Computer Makes and Models: CDC CYBER 175  
Computer Locations: CHAMPAIGN, IL  
Languages: FORTRAN  
Subject Coverage: RIVER MILEAGES, DRAINAGE AREAS  
Geographical Coverage:  
US STATE; STATE OF ILLINOIS

Sources of Data:  
U.S. ARMY CORPS OF ENGINEERS PUBLICATIONS AND MAPS, U.S.  
GEOLOGICAL SURVEY HYDROLOGISTS AND TECHNICIANS

Documentation:  
NONE

Keywords:  
NAVIGATION; RIVER MILES; WATER QUALITY; WATER RESOURCES

Definition/Description:  
ILLINOIS STREAMS WITH DRAINAGE AREAS OF AT LEAST 10 SQUARE  
MILES AT THE MOUTH HAVE RIVER MILEAGES DETERMINED FOR ALL  
POINTS OF INTEREST. THIS INFORMATION IS STORED IN  
PUNCHED-CARD FORMAT, ALONG WITH A DESCRIPTION OF THE SITE,  
TOPOGRAPHIC QUADRANGLE, USGS GAGING STATION NUMBER, AND A  
KEY TO THE DRAINAGE AREA FILE.

\*\*\*\*\*

Data Base Name: SOUTHWEST FLORIDA RAINFALL DATA  
FOR STREAM FLOW SIMULATION  
Acronym: RAIN FILE  
DB Type: SPATIAL  
Contact Person: HAMMETT, KATHLEEN M.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
4710 EISENHOWER BLVD., SUITE B-5  
TAMPA, FL 33614  
Telephone: (813) 228-2125 (FTS) 826-2830  
Spatial Data Type: POINT  
Coordinate System: ARBITRARY X, Y COORDINATES  
Time Span: 1948 - 1978  
Data Base Status: OPERATIONAL  
Users: SOUTHWEST FLORIDA WATER RESOURCES  
DIVISION SUBDISTRICT  
Availability for Use/Access: PROPRIETARY  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 9,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 720,000 BYTES  
Computer Makes and Models: AMD V7

WATER RESOURCES DIVISION  
DATA BASES

Computer Locations: RESTON, VA  
Languages: FORTRAN  
Subject Coverage: RAINFALL DATA  
Geographical Coverage:  
REGIONAL US; SOUTHWEST FLORIDA WATER RESOURCES DIVISION  
SUBDISTRICT  
Documentation:  
NONE  
Keywords:  
HYDROLOGIC DATA; RAINFALL; RUNOFF  
Definition/Description:  
RAINFALL RECORDS FOR SOUTHWEST FLORIDA USED IN WATERSHED  
MODELING EFFORT

\*\*\*\*\*

Data Base Name: STATION HEADER FILE  
Acronym: WRD.STAHDR  
DB Type: SPATIAL  
Contact Person: MERK, CHARLES F.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6871 (FTS) 928-6871  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1972 - PRESENT  
Data Base Status: OPERATIONAL  
Users: REGISTERED WATSTORE MEMBERS  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUNCHED CARDS  
Storage Media: DISK  
No. of Records: 268,000 RECORDS  
Bytes per Record: 152 BYTES  
Total Bytes in DB: 40,736,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: INDIVIDUAL WATER-MEASUREMENT SITE  
INFORMATION

\ WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US; US, INCLUDING OUTLYING AREAS, MEXICO, AND CANADA

Sources of Data:

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION  
HYDROLOGISTS AND TECHNICIANS

Documentation:

HUTCHISON, N. E., COMPILER, 1975, WATSTORE--NATIONAL WATER  
DATA STORAGE AND RETRIEVAL SYSTEM OF THE U.S. GEOLOGICAL  
SURVEY--USER'S GUIDE: U.S. GEOLOGICAL SURVEY OPEN-FILE  
REPORT 75-476. BAKER, C. H., JR., AND FOULK, D. G., 1975,  
WATSTORE--NATIONAL WATER DATA STORAGE AND RETRIEVAL  
SYSTEM--INSTRUCTIONS FOR PREPARATION AND SUBMISSION OF  
GROUND WATER DTA: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT  
75-589.

Systems Which Access Data Base:

NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:

AGENCY CODE; LATITUDE; STATION IDENTIFICATION NUMBER;  
STATION NAME; USGS HYDROLOGIC DATA COLLECTION SITES;  
LONGITUDE

Definition/Description:

THE PURPOSE OF THE STATION HEADER FILE IS TO PROVIDE A  
SINGLE SOURCE OF STATION IDENTIFICATION INFORMATION FOR  
ALL WATSTORE DATA-PROCESSING PROGRAMS. A STATION HEADER  
RECORD COMPRISED OF 16 FIXED ITEMS OF SITE IDENTIFICATION  
INFORMATION IS AVAILABLE IN THE STATION HEADER FILE FOR  
EACH DATA COLLECTION SITE FOR WHICH DATA ARE STORED IN THE  
WATSTORE DATA FILES. THE STATION HEADER RECORD CONTAINS  
IDENTIFIERS THAT LOCATE AND DESCRIBE THE STATION, SUCH AS  
LATITUDE AND LONGITUDE, STATE CODE, AGENCY CODE, AND  
STATION NAME.

\*\*\*\*\*

Data Base Name:	STATION INFORMATION FILE
Acronym:	SI FILE
DB Type:	SPATIAL
Contact Person:	KISH, GEORGE R.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION P.O. BOX 1238 TRENTON, NJ 08607
Telephone:	(609) 989-2162 (FTS) 483-2162
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1897 - 1977
Data Base Status:	UNDER DEVELOPMENT
Users:	DELAWARE RIVER BASIN COMMISSION;

WATER RESOURCES DIVISION  
DATA BASES

ENVIRONMENTAL GROUPS; NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION; PRIVATE CONSULTANTS;  
U.S. ARMY CORPS OF ENGINEERS

Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 1,307 RECORDS  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: SURFACE WATER QUALITY AND STREAM  
FLOW INFORMATION

Geographical Coverage:  
US STATE; STATE OF NEW JERSEY

Sources of Data:  
FIELD SURVEY AND MONITORING

Documentation:  
NONE

Keywords:  
CHEMICAL ANALYSES; NUTRIENTS; SEDIMENT; STREAM FLOW; WATER  
QUALITY

\*\*\*\*\*

Data Base Name: STATION MASTER INDEX  
Acronym: MASTER  
DB Type: SPATIAL  
Contact Person: MAY, V. J.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
ROOM A413  
FEDERAL BUILDING--US COURTHOUSE  
NASHVILLE, TN 37203  
(615) 254-5424 (FTS) 852-5424

Telephone:  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1899 - PRESENT  
Data Base Status: OPERATIONAL  
Users: TENNESSEE WATER RESOURCES DIVISION  
DISTRICT HYDROLOGISTS

Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT;  
INTERACTIVE TERMINAL  
Storage Media: MAGNETIC TAPE  
Total Bytes in DB: 40,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA

WATER RESOURCES DIVISION  
DATA BASES

Languages: PL/1  
Subject Coverage: DOWNSTREAM NUMBERS AND STATION TYPE  
Geographical Coverage: US STATE; STATE OF TENNESSEE  
Sources of Data: TENNESSEE VALLEY AUTHORITY, DATA SERVICES BRANCH,  
KNOXVILLE, TN 37902. USGS WATER RESOURCES DIVISION  
PERSONNEL  
Documentation: NONE  
Keywords: HYDROLOGIC SITES  
Definition/Description: THIS PROGRAM IS DESIGNED TO STORE INFORMATION ON STATIONS  
WITHIN TENNESSEE THAT RECEIVE A DOWNSTREAM ORDER NUMBER.  
STATION INFORMATION INCLUDES ASSIGNED STATION  
IDENTIFICATION NUMBER (IN ASCENDING ORDER PROCEEDING  
DOWNSTREAM), STATION NAME, TYPE, RIVER MILES FROM RIVER  
MOUTH, DRAINAGE AREA, OPERATING AGENCY, AND REMARKS. ONLY  
ONE TYPE OF RETRIEVAL FORMAT IS AVAILABLE.

\*\*\*\*\*

Data Base Name: STREAM DISCHARGE MEASUREMENT FILE  
Acronym: RATFILE  
DB Type: SPATIAL  
Contact Person: HATHAWAY, R. MICHAEL OR NICHOLS, VANCE  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
OHIO DISTRICT OFFICE  
975 W. THIRD AVENUE  
COLUMBUS, OH 43212  
Telephone: (614) 469-5553 (FTS) 943-5553  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1900 - PRESENT  
Data Base Status: OPERATIONAL  
Availability for Use/Access: LIMITED  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT; PUNCHED CARDS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 65,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 5,200,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; FORTRAN  
Subject Coverage: WATER RESOURCES (DISCHARGE)

WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US STATE; STATE OF OHIO

Sources of Data:

FIELD MEASUREMENTS BY WATER RESOURCES DIVISION DISTRICT  
TECHNICIANS AND HYDROLOGISTS

Documentation:

NONE

Keywords:

HYDROLOGIC DATA; STREAM FLOW; STREAM VELOCITY; SURFACE  
WATER

Definition/Description:

THE STREAM DISCHARGE MEASUREMENT FILE CONTAINS  
FIXED-LENGTH RECORDS OF ALL FIELD MEASUREMENTS OF STREAM  
DISCHARGE MADE BY OHIO WATER RESOURCES DIVISION DISTRICT  
PERSONNEL. THIS FILE IS USED TO DEVELOP RATING TABLES AND  
PLOT RATING CURVES OF THE STAGE-DISCHARGE RELATION.

\*\*\*\*\*

Data Base Name:	STREAM FLOW BASIN CHARACTERISTICS FILE
Acronym:	SBC FILE
DB Type:	SPATIAL
Contact Person:	DEMPSTER, GEORGE R.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 437 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6871 (FTS) 928-6871
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1970 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION HYDROLOGISTS
Availability for Use/Access:	LIMITED
Output Media:	BATCH COMPUTER PRINTOUT; MAGNETIC TAPE; PUNCHED CARDS
Storage Media:	DISK
No. of Records:	12,846 RECORDS
Bytes per Record:	578 BYTES
Total Bytes in DB:	7,424,988 BYTES
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	PL/1; FORTRAN IV
Subject Coverage:	SURFACE WATER STREAM FLOW STATISTICS



WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US; SURFACE WATER NATIONWIDE

Sources of Data:

NATIONWIDE SURFACE WATER FIELD ANALYSIS MADE BY FIELD  
OFFICES

Documentation:

HUTCHISON, N. E., COMPILER, 1975, WATSTORE--NATIONAL WATER  
DATA STORAGE AND RETRIEVAL SYSTEM OF THE U.S. GEOLOGICAL  
SURVEY--USER'S GUIDE: U.S. GEOLOGICAL SURVEY OPEN-FILE  
REPORT 75-426, V. 4, CH. II.

Systems Which Access Data Base:

NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:

RIVER BASINS; STREAM FLOW

Definition/Description:

THIS FILE CONTAINS A MAXIMUM OF 200 STREAM FLOW AND  
DRAINAGE BASIN CHARACTERISTICS FOR ABOUT 13,000 STREAM  
GAGING SITES. THE FILE WAS CREATED BY THE SURFACE WATER  
BRANCH OF THE WATER RESOURCES DIVISION BY USING DATA  
OBTAINED FOR THE SURFACE WATER DATA EVALUATION STUDY OF  
1970. THE USGS NATIONAL CENTER HANDLES FILE MAINTENANCE  
AND THE ADDITION OF NEW CHARACTERISTICS TO THE FILE. THE  
DISTRICTS ARE RESPONSIBLE FOR THE RELIABILITY AND UPDATING  
OF THE FILE. MOST REVISIONS WILL RESULT FROM THE  
REDETERMINATION OF STREAM FLOW CHARACTERISTICS AS LONGER  
RECORDS BECOME AVAILABLE.

Comments:

THIS DATA BASE WAS DESIGNED AND IS INTENDED BASICALLY FOR  
IN-HOUSE USE.

\*\*\*\*\*

Data Base Name:

SURFACE WATER INDEX FILE

Acronym:

SWINDEX

DB Type:

SPATIAL

Contact Person:

SIMMONS, JAMES D.

Address:

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
325 JOHN KNOX ROAD  
BUILDING F, SUITE 150  
TALLAHASSEE, FL 32303

Telephone:

(904) 386-1118 (FTS) 946-4251

Spatial Data Type:

POINT

Coordinate System:

LATITUDE/LONGITUDE

Time Span:

1922 - PRESENT

Data Base Status:

OPERATIONAL

Users:

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION; FLORIDA

WATER RESOURCES DIVISION  
DATA BASES

Availability for Use/Access: WATER MANAGEMENT DISTRICTS; WATER  
RESOURCES DIVISION OFFICES  
Output Media: UNLIMITED  
BATCH COMPUTER PRINTOUT; MAGNETIC  
TAPE; PUNCHED CARDS  
Storage Media: DISK  
No. of Records: 14,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 1,120,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
Subject Coverage: SURFACE WATER SITE INDEX,  
INCLUDING DRAINAGE AREAS  
Geographical Coverage:  
US STATE; STATE OF FLORIDA  
Sources of Data:  
USGS HYDROLOGIC TECHNICIANS  
Documentation:  
NONE  
Keywords:  
DATA COLLECTION; DRAINAGE AREAS; RIVER MILEAGE; SURFACE  
WATER  
Definition/Description:  
THE FILE CONTAINS DATA ON INSTRUMENTATION AND DETAILS ON  
HISTORICAL DATA COLLECTED AT SURFACE WATER SITES IN  
FLORIDA. IT ALSO INCLUDES DRAINAGE AREA, RIVER MILEAGE,  
AND STREAM MAGNITUDE INFORMATION. THE FILE CONTAINS SITE  
LOCATION INFORMATION, WHICH INCLUDES COUNTY, PUBLIC LAND  
SURVEY LOCATION, AND WATER MANAGEMENT DISTRICT.

\*\*\*\*\*

Data Base Name: TAMPA BAY FIELD DATA  
Acronym: TBFD  
DB Type: SPATIAL  
Contact Person: GOODWIN, CARL R.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
4710 EISENHOWER BLVD., SUITE B-5  
TAMPA, FL 33614  
Telephone: (813) 228-2830 (FTS) 826-2830  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1971 - PRESENT  
Data Base Status: OPERATIONAL  
Users: SOUTHWEST FLORIDA WATER RESOURCES  
DIVISION SUBDISTRICT

WATER RESOURCES DIVISION  
DATA BASES

Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 150,000 RECORDS  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Subject Coverage: FIELD OBSERVATION OF VELOCITY,  
STAGE, AND BATHYMETRIC DATA  
Geographical Coverage:  
CITIES; TAMPA BAY, TAMPA, FLORIDA  
Sources of Data:  
FIELD MEASUREMENTS  
Documentation:  
GOODWIN, CARL R., 1976, TIDES IN TAMPA BAY, FLORIDA, JUNE,  
1971 TO DEC. 1973: U.S. GEOLOGICAL SURVEY OPEN-FILE  
REPORT FL 75004.  
Keywords:  
BATHYMETRY; STAGE; VELOCITY  
Definition/Description:  
DATA SETS CONTAIN OBSERVED DATA USED IN MATHEMATICAL  
SIMULATION OF TAMPA BAY.

\*\*\*\*\*

Data Base Name: TIME OF TRAVEL  
Acronym: TOT  
DB Type: SPATIAL  
Contact Person: WAGNER, LLOYD  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
P.O. BOX 1350  
ALBANY, NY 12201  
Telephone: (518) 472-2453 (FTS) 562-2453  
Spatial Data Type: SPATIAL  
Time Span: 1960 - PRESENT  
Data Base Status: OPERATIONAL  
Users: NEW YORK STATE DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION; NEW  
YORK WATER RESOURCES DIVISION  
DISTRICT  
Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: PUNCHED CARDS  
No. of Records: 6,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 480,000 BYTES  
Computer Makes and Models: PRIME

WATER RESOURCES DIVISION  
DATA BASES

Computer Locations: ALBANY, NY  
Languages: FORTRAN  
Subject Coverage: TIME OF TRAVEL OF WATER IN STREAMS  
Geographical Coverage: US STATE; STATE OF NEW YORK

Sources of Data:  
NEW YORK WATER RESOURCES DIVISION DISTRICT FIELD  
SURVEY/MONITORING

Documentation:  
KILPATRICK, F. A., MARTENS, L. A., AND WILSON, J. F., JR.,  
1970, MEASUREMENT OF TIME-OF-TRAVEL AND DISPERSION OF DYE  
TRACING: U.S. GEOLOGICAL SURVEY TECHNIQUES OF  
WATER-RESOURCES INVESTIGATIONS, BOOK 3, CHAPTER A9, 25 P.  
WILSON, J. F., JR., 1967, FLUOROMETRIC PROCEDURES FOR DYE  
TRACING: U.S. GEOLOGICAL SURVEY TECHNIQUES OF  
WATER-RESOURCES INVESTIGATIONS, BOOK 3, CHAPTER A12, 31 P.  
SHINDEL, H. L., WAGNER, L. A., AND HAMECHER, P. H., 1977,  
TIME-OF-TRAVEL AND DYE-DISPERSION STUDIES OF SELECTED  
STREAMS AND LAKES IN THE OSWEGO RIVER BASIN, N.Y.,  
1967-75: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION REPORT INV RI-17, 153 P.

Keywords:  
DISPERSION; DYE; STREAM FLOW

Definition/Description:  
THE USE OF FLUORESCENT DYES AND TRACING TECHNIQUES  
PROVIDES A MEANS FOR MEASURING THE TIME OF TRAVEL AND  
DISPERSION CHARACTERISTICS OF STEADY AND GRADUALLY VARIED  
FLOW IN STREAMS. MEASUREMENTS OF THE DISPERSION AND  
CONCENTRATION OF DYES GIVE INSIGHT TO THE BEHAVIOR OF  
CONTAMINANTS THAT MAY BE INTRODUCED TO A STREAM.

\*\*\*\*\*

Data Base Name: TIME OF TRAVEL FILE  
Acronym: TT FILE  
DB Type: SPATIAL  
Contact Person: DEMPSTER, GEORGE R.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092  
  
Telephone: (703) 860-6871 (FTS) 928-6871  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1963 - 1975  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY WATER  
RESOURCES DIVISION HYDROLOGISTS

WATER RESOURCES DIVISION  
DATA BASES

Availability for Use/Access: NOT AVAILABLE  
Output Media: BATCH COMPUTER PRINTOUT; MAGNETIC  
TAPE  
Storage Media: DISK; PUNCHED CARDS  
Total Bytes in DB: 2,520,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
Subject Coverage: STREAM FLOW TIME OF TRAVEL DATA  
Geographical Coverage:  
US; NATIONWIDE  
Sources of Data:  
RANDOM SURFACE WATER STUDIES MADE THROUGHOUT THE US BY  
FIELD OFFICES  
Documentation:  
HUTCHISON, N. E., COMPILER, 1975, WATSTORE--NATIONAL WATER  
DATA STORAGE AND RETRIEVAL SYSTEM OF THE U.S. GEOLOGICAL  
SURVEY--USER'S GUIDE: U.S. GEOLOGICAL SURVEY OPEN-FILE  
REPORT 75-426, V. 4, CH. IV. BONING, C. W., 1973, INDEX OF  
TIME-OF-TRAVEL STUDIES OF THE U.S. GEOLOGICAL SURVEY:  
WATER RESOURCES INVESTIGATIONS 34-73, 76 P. AVAILABLE FROM  
NATIONAL TECHNICAL INFORMATION SERVICE AS PB-225 173/4AS.  
Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords:  
BASIN; STREAM FLOW; SURFACE WATER; TIME OF TRAVEL; TRAVEL  
TIME  
Definition/Description:  
THE TIME OF TRAVEL FILE WAS CREATED TO PERFORM REGRESSION  
ANALYSIS TO RELATE VELOCITY AND DISPERSION CHARACTERISTICS  
TO STREAM CHANNEL CHARACTERISTICS. DATA IN THE FILE WERE  
OBTAINED FROM DISTRICTS THAT HAVE COLLECTED THEM. THE  
DATA ARE IN TWO DIRECT-ACCESS FILES. FILE 1 CONTAINS  
DYE-INJECTION INFORMATION WITH AN ASSOCIATED VARIABLE "N"  
THAT IS ASSIGNED WHEN THE DATA ARE LOADED TO THE FILE.  
FILE 2 CONTAINS THE VARIABLE "N" ALONG WITH ALL ADDITIONAL  
SAMPLING INFORMATION. FILE 1 WAS CREATED TO CONTAIN 800  
RECORDS, 684 OF WHICH HAVE BEEN LOADED. FILE 2 WAS  
CREATED TO CONTAIN 3,000 RECORDS, 1,303 OF WHICH HAVE BEEN  
LOADED.  
Comments:  
THIS FILE WAS SET UP FOR IN-HOUSE USE ONLY AND IS NOT  
INTENDED TO BE RELEASED OUTSIDE THE USGS.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: TRAVELERS RESEARCH CORPORATION  
TAPE OF SMALL RURAL WATERSHED DATA  
Acronym: TRAVELERS  
DB Type: SPATIAL  
Structure: RELATIONAL  
Contact Person: DOLNACK, DONALD J.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
421 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6031 (FTS) 928-6031  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE  
No. of Records: 678 RECORDS  
Bytes per Record: 1,224 BYTES  
Total Bytes in DB: 829,872 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: SMALL RURAL WATERSHEDS  
Geographical Coverage: US  
Sources of Data: TRAVELERS RESEARCH CORPORATION  
Documentation: NONE  
Keywords: HYDROLOGIC DATA; SURFACE WATER; WATERSHED  
Definition/Description: THE TAPE IS A SUMMARY OF 678 RECORDS OF DATA ON SMALL  
RURAL WATERSHEDS FURNISHED BY THE TRAVELERS RESEARCH  
CORPORATION.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: UNIT VALUES FILE  
Acronym: WRD.UNIT  
DB Type: SPATIAL  
Contact Person: DEMPSTER, GEORGE R.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6871 (FTS) 928-6871  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: USGS HYDROLOGISTS; WATSTORE AND  
NAWDEX USERS  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT; MAGNETIC  
TAPE; PUNCHED CARDS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 170,000 RECORDS  
Bytes per Record: 11,604 BYTES  
Total Bytes in DB: 1,972,680,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: WATER QUALITY DATA COLLECTED AT A  
FREQUENCY GREATER THAN DAILY  
Geographical Coverage: US  
Sources of Data: CONTINUOUS SURFACE WATER, GROUNDWATER, AND WATER QUALITY  
MONITORING DONE NATIONWIDE  
Documentation: HUTCHISON, N. E., COMPILER, 1975, WATSTORE--NATIONAL WATER  
DATA STORAGE AND RETRIEVAL SYSTEM OF THE U.S. GEOLOGICAL  
SURVEY--USER'S GUIDE: U.S. GEOLOGICAL SURVEY OPEN-FILE  
REPORT 75-426, V. 5, CH. III.  
Systems Which Access Data Base: NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords: FLOOD HYDROGRAPHY; PRECIPITATION; STREAM FLOW  
Definition/Description: THE UNIT VALUES FILE, DEVELOPED IN 1976 BY THE U.S.  
GEOLOGICAL SURVEY (AUTOMATIC DATA SECTION), WAS DEVELOPED  
PRIMARILY TO STORE ALL THE UNIT VALUES DATA THAT WERE  
PREVIOUSLY STORED IN THE "SHORT- AND LONG-TERM" RAINFALL  
RUNOFF FILES. SINCE THEN, THE FILE HAS BEEN ENHANCED TO  
MAKE IT ADVANTAGEOUS TO STORE DATA FOR ALL ENVIRONMENTAL

WATER RESOURCES DIVISION  
DATA BASES

PROTECTION AGENCY PARAMETER CODES RECORDED AT A RECORDING INTERVAL GREATER THAN DAILY (MAXIMUM READINGS PER DAY = 2,880) THAT ARE REQUIRED FOR SPECIAL STUDIES OR ANALYSIS. THE SOURCES OF THESE DATA MAY BE EITHER SURFACE WATER, GROUNDWATER, QUALITY OF WATER, OR METEOROLOGICAL OBSERVATION AND BE INPUT EITHER BY DIGITAL RECORDER, SATELLITE RELAY, OR PUNCHED-CARD READER. EACH DAILY RECORD IS COMPOSED OF ALL DATA STORED FOR A PARTICULAR RECORD KEY, EACH PARAMETER CODE HELPING TO MAKE UP THE KEY. THE RECORDS ARE OF VARIABLE LENGTH (DEPENDING ON RPD) AND ARE BLOCKED TO FACILITATE MAXIMUM STORAGE AND EFFICIENCY. THE FILE IS FURTHER DESCRIBED IN THE WATSTORE USER'S GUIDE, V. 5, CH. III.

Comments:

INFORMATION STORED IN THIS DATA BASE HAS UNLIMITED APPLICATION POTENTIAL.

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Data Base Name:	USGS LONG ISLAND WELL DATA BASE
DB Type:	SCIENTIFIC/TECHNICAL
Structure:	INDEXED SEQUENTIAL
Contact Person:	HAWKINS, GEORGE W.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 5 AERIAL WAY SYOSSET, NY 11791
Telephone:	(516) 938-8830
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1906 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION DISTRICT OFFICE
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	DISK
Total Bytes in DB:	5,966,000 BYTES
Growth Rate:	10 PERCENT PER YEAR
Computer Makes and Models:	PRIME 750
Computer Locations:	SYOSSET, NY
DBMS:	MIDAS
Subject Coverage:	LONG ISLAND WATER WELL INFORMATION



WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

COUNTIES; FOUR COUNTIES IN LONG ISLAND

Sources of Data:

FIELD VISITS, COOPERATING COUNTY AGENCIES

Documentation:

UNDER DEVELOPMENT

Keywords:

WATER; WELL; NEW YORK; LONG ISLAND

Definition/Description:

MAINTAINS INFORMATION ON WELLS IN FOUR COUNTIES ON LONG ISLAND. THE INFORMATION INCLUDES HYDROGEOLOGIC ASPECTS OF THE WELLS IN ADDITION TO WELL LOCATION, CONSTRUCTION TYPE, AND WATER LEVEL.

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Data Base Name:	WATER DATA SOURCES DIRECTORY
Acronym:	WDSD
DB Type:	ORGANIZATION INFORMATION
Structure:	HIERARCHIC
Contact Person:	WILLIAMS, OWEN O.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 421 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6031 (FTS) 928-6031
Time Span:	1976 - PRESENT
Data Base Status:	OPERATIONAL
Users:	PRIVATE CONSULTANTS; SCIENCE AND EDUCATION ADMINISTRATION; STATE NATURAL-RESOURCE AND GEOLOGICAL ORGANIZATIONS; STATE UNIVERSITIES; U.S. FISH AND WILDLIFE SERVICE; U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION HEADQUARTERS AND DISTRICT PERSONNEL
Availability for Use/Access:	UNLIMITED
Output Media:	INTERACTIVE ACCESS
Storage Media:	DISK
No. of Records:	616 RECORDS
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	PL/1
DBMS:	SYSTEM 2000
Subject Coverage:	DIRECTORY OF ORGANIZATIONS COLLECTING WATER OR WATER-RELATED DATA

WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

US

Sources of Data:

ORIGINAL DATA BASE CREATED FROM A WATER RESOURCES DIVISION  
OFFICE OF WATER DATA COORDINATION FILE. CURRENT SOURCES  
FROM WATER AND WATER-RELATED AGENCIES.

Documentation:

KNECHT, W. A., AND EDWARDS, M. D., 1978, DEFINITIONS OF  
COMPONENTS OF THE WATER DATA SOURCES DIRECTORY MAINTAINED  
BY THE NATIONAL WATER DATA EXCHANGE: U.S. GEOLOGICAL  
SURVEY OPEN-FILE REPORT 77-775, 99 P.

Systems Which Access Data Base:

NATIONAL WATER DATA EXCHANGE

Keywords:

GROUNDWATER; HYDROLOGIC DATA; SURFACE WATER; WATER QUALITY

Definition/Description:

THE WATER DATA SOURCES DIRECTORY (WDSD) IS ONE OF THE  
MAJOR DATA BASES ACCESSIBLE TO WATER RESOURCES DIVISION  
PERSONNEL AND MEMBERS OF THE NATIONAL WATER DATA EXCHANGE.  
IT IDENTIFIES ORGANIZATIONS THAT COLLECT WATER DATA OR  
WATER-RELATED DATA, INDICATES WHETHER THE ORGANIZATION IS  
A NAWDEX MEMBER, IDENTIFIES THE TYPE OF ORGANIZATION AND  
THE TYPE OF DATA COLLECTED, AND MAINTAINS INFORMATION ON  
THE GEOGRAPHIC AREA COVERED BY THE ORGANIZATION.

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Data Base Name:	WATER LEVEL SUBFILE
Acronym:	WL FILE
DB Type:	SPATIAL
Structure:	SORTED SEQUENTIAL
Contact Person:	HAWKINS, GEORGE W.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 5 AERIAL WAY SYOSSET, NY 11791
Telephone:	(516) 938-8830
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1900 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY HYDROLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	BATCH COMPUTER PRINTOUT; PUBLICATION; PUNCHED CARD
Storage Media:	MAGNETIC TAPE
No. of Records:	2,500 RECORDS

WATER RESOURCES DIVISION  
DATA BASES

Total Bytes in DB: 2,500,000 BYTES  
Computer Makes and Models: DATA GENERAL  
Computer Locations: SYOSSET, NY  
Languages: FORTRAN IV; ASSEMBLY  
Subject Coverage: WELL WATER LEVEL DATA  
Geographical Coverage:  
    REGIONAL US; LONG ISLAND, NY  
Sources of Data:  
    USGS AND LONG ISLAND COOPERATORS  
Documentation:  
    HAWKINS, GEORGE W., INTRODUCTION TO THE SYOSSET WELL DATA  
    BASE. HAWKINS, GEORGE W., THE WELL DATA BASE SUBFILES.  
    HAWKINS, GEORGE W., PROGRAMMER'S REFERENCE MANUAL FOR THE  
    WATER LEVEL SUBFILE.  
Keywords:  
    AQUIFER; GROUNDWATER; HYDROLOGIC DATA; STORAGE  
Definition/Description:  
    THIS FILE CONTAINS GROUNDWATER LEVEL MEASUREMENTS.

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Data Base Name: WATER QUALITY DATA FILE  
Acronym: QWFILE  
DB Type: SPATIAL  
Contact Person: MADDY, DAVID V.  
Address: U.S. GEOLOGICAL SURVEY  
          WATER RESOURCES DIVISION  
          437 NATIONAL CENTER  
          RESTON, VA 22092  
Telephone: 860-6871 (FTS) 928-6871  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1880 - PRESENT  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY WATER  
          RESOURCES DIVISION  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: BATCH COMPUTER PRINTOUT; MAGNETIC  
              TAPE; PUBLICATION; PUNCHED CARDS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 1,500,000 RECORDS  
Bytes per Record: 400 BYTES  
Total Bytes in DB: 600,000,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; FORTRAN; ASSEMBLY  
Subject Coverage: THE PHYSICAL, CHEMICAL (ORGANIC

WATER RESOURCES DIVISION  
DATA BASES

AND INORGANIC), AND BIOLOGIC  
QUALITY OF STREAMS, LAKES,  
RESERVOIRS, ESTUARIES, SPRINGS,  
AND WELLS IN THE US

Geographical Coverage:

US; NATIONWIDE, CANADA, MEXICO, AND GUAM

Sources of Data:

THE WATER QUALITY DATA COLLECTED BY THE U.S. GEOLOGICAL  
SURVEY WATER RESOURCES DIVISION'S DISTRICT OFFICES AND  
PROJECT OFFICES THROUGHOUT THE US

Documentation:

UNPUBLISHED DOCUMENTATION. HUTCHISON, N. E., COMPILER,  
1975, WATSTORE--NATIONAL WATER DATA STORAGE AND RETRIEVAL  
SYSTEM OF THE U.S. GEOLOGICAL SURVEY--USER'S GUIDE: U.S.  
GEOLOGICAL SURVEY OPEN-FILE REPORT 75-426, V. 3.

Systems Which Access Data Base:

NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords:

BIOLOGY; CHEMISTRY; GROUNDWATER; HYDROLOGY; STATISTICS;  
SURFACE WATER; WATER QUALITY

Definition/Description:

THE WATER QUALITY DATA FILE IS THE PRIMARY REPOSITORY FOR  
ALL WATER QUALITY DATA COLLECTED BY THE WATER RESOURCES  
DIVISION (WRD). EACH RECORD IS VARIABLE LENGTH AND  
CONSISTS OF A WATER SAMPLE OR ANALYSIS. THE CURRENT AND  
IMMEDIATELY PRECEDING WATER YEARS OF DATA ARE MAINTAINED  
ONLINE IN AN ISAM FILE, WHILE THE HISTORICAL DATA ARE  
MAINTAINED OFFLINE ON MAGNETIC TAPES. THE FILE IS  
INTERFACED WITH WRD'S STATION HEADER FILE SO THAT DATA  
CANNOT BE STORED UNLESS A CORRESPONDING RECORD EXISTS IN  
THE STATION HEADER FILE. THE SOFTWARE FOR THE STORAGE AND  
RETRIEVAL OF THE DATA IS PROGRAMMED IN PL/1, FORTRAN, AND  
ASSEMBLY. A LARGE NUMBER OF APPLICATION PROGRAMS IS  
AVAILABLE FOR PRODUCING TABLES, PLOTS, GRAPHS, AND  
STATISTICS.

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Data Base Name:

WATER QUALITY OF GROUNDWATER  
ADJOINED TO HIGHWAYS IN  
MASSACHUSETTS

Acronym:

HIWAYQW

DB Type:

SPATIAL

Contact Person:

POLLOCK, SAMUEL J.

Address:

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
NEW ENGLAND DISTRICT OFFICE  
150 CAUSEWAY STREET

WATER RESOURCES DIVISION  
DATA BASES

Telephone: BOSTON, MA 02114  
(617) 223-4521 (FTS) 223-4521  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1964 - 1977  
Data Base Status: OPERATIONAL  
Users: U.S. GEOLOGICAL SURVEY;  
MASSACHUSETTS DEPARTMENT OF PUBLIC  
WORKS  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
No. of Records: 14,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 1,120,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: WATER QUALITY AND WATER LEVELS OF  
GROUNDWATER AT SELECTED TEST SITES  
ADJOINED TO HIGHWAYS.

Geographical Coverage:

US STATE; STATE OF MASSACHUSETTS

Sources of Data:

SAMPLES COLLECTED AND ANALYZED BY THE MASSACHUSETTS  
DEPARTMENT OF PUBLIC WORKS IN COOPERATION WITH THE U.S.  
GEOLOGICAL SURVEY

Documentation:

NONE

Keywords:

CHEMICAL ANALYSES; DEICING CHEMICALS; GROUNDWATER; WATER  
QUALITY

Definition/Description:

THE HIWAYQW FILE CONTAINS WATER QUALITY (CALORIDE AND  
SPECIFIC CONDUCTANCE) ANALYSES AND WATER LEVEL DATA OF  
GROUNDWATER AT SEVEN SELECTED TEST SITES ADJOINED TO  
HIGHWAYS IN MASSACHUSETTS. THE DATA WERE COLLECTED AS  
PART OF A COOPERATIVE STUDY BY THE U.S. GEOLOGICAL SURVEY  
AND THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS ON THE  
EFFECTS OF HIGHWAY DEICING CHEMICALS ON SURFACE AND GROUND  
WATERS. THE PL/1 PROGRAM IS AVAILABLE TO ACCESS THE DATA  
AND PRODUCES TABLES, LINE PRINTER PLOTS, AND SIMPLE  
STATISTICS IN FORMATS DESIGNED FOR USE IN THE COOPERATIVE  
STUDY.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: WATER RESOURCES DIVISION COUNTY  
CODE FILE  
Acronym: WRD.COUNTY  
DB Type: SPATIAL  
Contact Person: MERK, CHARLES F.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6871 (FTS) 928-6871  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATIONAL  
Users: REGISTERED WATSTORE MEMBERS  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 3,281 RECORDS  
Bytes per Record: 101 BYTES  
Total Bytes in DB: 331,381 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1  
Subject Coverage: LATITUDE AND LONGITUDE BOUNDARIES  
FOR COUNTIES IN THE UNITED STATES  
Geographical Coverage:  
US STATE; STATES AND OUTLYING AREAS OF THE US  
Sources of Data:  
BUREAU OF STANDARDS FEDERAL INFORMATION PROCESSING  
STANDARDS (FIPS) PUBLICATION 6-2.  
Documentation:  
FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATION  
(FIPS) 6-2, COUNTIES AND COUNTY EQUIVALENTS TO THE STATES  
OF THE US  
Systems Which Access Data Base:  
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM  
Keywords:  
COUNTY NAME; FIPS COUNTY CODES; LATITUDE BOUNDARY;  
LONGITUDE BOUNDARY

WATER RESOURCES DIVISION  
DATA BASES

Definition/Description:

THE PURPOSE OF THE WATER RESOURCES DIVISION COUNTY CODE FILE IS TO PROVIDE A SINGLE SOURCE OF COUNTY IDENTIFICATION INFORMATION FOR ALL WATSTORE DATA-PROCESSING PROGRAMS. A COUNTY FILE RECORD COMPOSED OF EIGHT FIXED ITEMS OF COUNTY IDENTIFICATION INFORMATION IS AVAILABLE FOR EACH COUNTY IN THE US AND OUTLYING AREAS, CANADA, AND MEXICO. THE WRD COUNTY CODE FILE RECORD CONTAINS IDENTIFIERS THAT LOCATE AND DESCRIBE THE COUNTY, SUCH AS STATE CODE, COUNTY CODE, COUNTY NAME, AND MAXIMUM AND MINIMUM LATITUDE AND LONGITUDE.

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Data Base Name:	WATER RESOURCES INVESTIGATIONS--OKLAHOMA
Acronym:	WRIO
DB Type:	BIBLIOGRAPHIC
Contact Person:	IRWIN, JAMES H.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 215 DEAN MCGEE STREET ROOM 621 OKLAHOMA CITY, OK 73102
Telephone:	(405) 231-4256 (FTS) 736-4256
Spatial Data Type:	POINT
Time Span:	1899 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY, OKLAHOMA WATER RESOURCES DIVISION DISTRICT
Availability for Use/Access:	UNLIMITED
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	DISK
No. of Records:	1,010 RECORDS
Computer Makes and Models:	IBM 370/155
Computer Locations:	UNIVERSITY OF OKLAHOMA, NORMAN, OK
Languages:	FORTRAN IV
Subject Coverage:	WATER RESOURCES INFORMATION
Geographical Coverage:	US STATE; STATE OF OKLAHOMA
Sources of Data:	U.S. GEOLOGICAL SURVEY, OKLAHOMA WATER RESOURCES DIVISION DISTRICT

WATER RESOURCES DIVISION  
DATA BASES

Documentation:

WATER RESOURCES INVESTIGATIONS, 1979, WRIO-WATER RESOURCES  
INVESTIGATIONS DATA BANK OF THE U.S. GEOLOGICAL SURVEY  
(WRD), OKLAHOMA DISTRICT

Keywords:

CHEMICAL ANALYSES; GROUNDWATER; PRECIPITATION; WATER  
QUALITY; SURFACE WATER; WATER TEMPERATURE

Definition/Description:

THIS DATA BASE IS A SUMMARY OF THE 1979 PROGRAM OF THE  
OKLAHOMA WATER RESOURCES DIVISION DISTRICT. IT CONTAINS  
BRIEF DESCRIPTIONS OF ALL ACTIVE PROJECTS AND THE CURRENT  
STATUS OF EACH. A LIST OF ALL PUBLISHED REPORTS RELATED  
TO THE WATER RESOURCES OF OKLAHOMA IS GIVEN. IT CONTAINS  
TABLES LISTING ALL STREAM FLOW GAGING STATIONS, WATER  
QUALITY STATIONS, RESERVOIR STATIONS, GROUNDWATER SITES,  
AND PRECIPITATION SITES THAT THE GEOLOGICAL SURVEY  
OPERATED OR DATA PUBLISHED THROUGH COOPERATION WITH OTHER  
FEDERAL, STATE, AND LOCAL AGENCIES. INCLUDED ARE  
DISCONTINUED SURFACE WATER AND WATER QUALITY STATIONS FOR  
WHICH THE GEOLOGICAL SURVEY HAS PUBLISHED RECORDS. TABLE  
1 GIVES AN ALPHABETICAL LISTING OF ALL CURRENT AND  
HISTORICAL GAGING STATIONS IN THE STATE. TABLE 2 LISTS  
THESE STATIONS BY STATION NUMBER IN DOWNSTREAM ORDER.  
TABLES 3 THROUGH 25 LIST THE STATIONS BY COOPERATOR, AND  
TABLES 26 THROUGH 41 LIST THE STATIONS ACCORDING TO TYPE  
OF DATA COLLECTED. A SUMMARY OF THE NUMBER OF STATIONS  
FUNDED BY EACH COOPERATOR IS GIVEN IN TABLE 42. A  
DESCRIPTION OF THE GROUNDWATER WELLS FOR WHICH CONTINUOUS  
OR MONTHLY WATER LEVELS ARE MEASURED IS GIVEN IN TABLE 43.  
MAPS SHOW THE LOCATION OF EACH TYPE OF STATION AND THE  
LOCATION OF SELECTED GROUNDWATER WELLS. INCLUDED ARE  
INDICES OF FLOOD-PRONE-AREA MAPS AND THE 2-DEGREE SHEETS  
IN OKLAHOMA FOR WHICH HYDROLOGIC RECONNAISSANCE STUDIES  
HAVE BEEN MADE.

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Data Base Name:	WATER USE BY SELECTED MUNICIPALITIES IN FLORIDA
Acronym:	WUSMIF
DB Type:	SPATIAL
Contact Person:	HEALY, HENRY G. OR TROUTMAN, DAVID
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 227 N. BRONOUGH STREET SUITE 3015 TALLAHASSEE, FL 32301
Telephone:	(904) 681-7620 (FTS) 965-7620



WATER RESOURCES DIVISION  
DATA BASES

Spatial Data Type: POINT  
Coordinate System: ARBITRARY X,Y COORDINATES  
Time Span: 1970 - PRESENT  
Data Base Status: OPERATIONAL  
Users: CONSULTANTS; STATE AND LOCAL  
AGENCIES; U.S. GEOLOGICAL SURVEY;  
WATER MANAGEMENT DISTRICTS  
Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT;  
PUBLICATION  
Storage Media: PUNCHED CARDS  
No. of Records: 184 RECORDS  
Bytes per Record: 80 BYTES  
Computer Makes and Models: BUR  
Computer Locations: TALLAHASSEE, FL  
Languages: ADVANCED ASSEMBLY  
Subject Coverage: WATER USE DATA, SEWAGE DATA, WATER  
AND SEWAGE TREATMENT  
Geographical Coverage:  
US STATE; FLORIDA STATEWIDE  
Sources of Data:  
PERIODIC FIELD SURVEYS OF PUBLIC WATER SUPPLIES BY  
PERSONNEL OF THE U.S. GEOLOGICAL SURVEY AND STATE AGENCIES  
Documentation:  
NONE  
Keywords:  
GROUNDWATER; SEWAGE TREATMENT; SURFACE WATER; WATER  
TREATMENT; WATER UTILIZATION  
Definition/Description:  
THE WUSMIF COMPUTERIZED DATA BASE WAS DEVELOPED IN 1970  
AND BECAME OPERATIONAL IN THE SAME YEAR. CURRENTLY,  
WUSMIF CONSISTS OF INDIVIDUAL RECORDS FOR ABOUT 169  
MUNICIPALITIES AND 5 WATER SUPPLY SYSTEMS IN FLORIDA.  
INCLUDED IS BASIC INFORMATION NEEDED TO EVALUATE MUNICIPAL  
WATER SUPPLIES. PROGRAM OUTPUT CONSISTS OF COMPUTER  
PRINTOUT FROM PUNCHED CARDS OF TABULATED DATA ARRANGED  
ALPHABETICALLY BY MUNICIPALITY. THE DATA TABLE INCLUDES  
TITLE, HEADNOTES, COLUMN HEADINGS, AND NUMERIC AND CODED  
DATA FOR WATER AND SEWAGE USE AND TREATMENT.  
MUNICIPALITIES INCLUDE COUNTY SEATS, CITIES OF AT LEAST  
5,000 POPULATION, AND MUNICIPALITIES USING WATER DERIVED  
IN WHOLE OR IN PART FROM SURFACE WATER SOURCES.

WATER RESOURCES DIVISION  
DATA BASES

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Data Base Name: WATSTORE REAL-TIME FRONT-END  
HYDROLOGIC DATA PROCESSING SYSTEM

Acronym: WRAFT  
DB Type: SPATIAL  
Structure: RELATIONAL  
Contact Person: SHOPE, WILLIAM G.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
460 NATIONAL CENTER  
RESTON, VA 22092

Telephone: (703) 860-6014 (FTS) 928-6014  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Data Base Status: OPERATIONAL  
Users: NATIONAL WEATHER SERVICE; STATE  
AND LOCAL NATURAL-RESOURCES  
AGENCIES; RIVER BASIN COMMISSIONS

Availability for Use/Access: UNLIMITED  
Output Media: INTERACTIVE TERMINAL  
Storage Media: DISK  
No. of Records: 25,000 RECORDS  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Languages: PL/1  
DBMS: MRDS  
Subject Coverage: HYDROLOGIC RESOURCES INFORMATION,  
REAL-TIME DATA

Geographical Coverage: US

Sources of Data: REMOTE HYDROLOGIC DATA COLLECTION SITES EQUIPPED WITH  
AUTOMATIC MONITORING AND DATA TELEMETRY EQUIPMENT

Documentation: NONE

Systems Which Access Data Base: NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM

Keywords: HYDROLOGIC DATA; REAL-TIME; REMOTE DATA COLLECTION SITES;  
SATELLITE RELAY; SURFACE WATER; WATER QUALITY

Definition/Description: THE WATER RESOURCES DIVISION (WRD) IS CURRENTLY DEVELOPING  
A REAL-TIME FRONT-END PROCESSING SYSTEM FOR WATSTORE.  
DATA WILL BE TRANSMITTED FROM REMOTE HYDROLOGIC STATIONS  
VIA SATELLITE, RECEIVED AT GROUND STATIONS, AND DELIVERED  
TO THE USGS HONEYWELL COMPUTER IN RESTON, VA. THE FILES  
AND SOFTWARE OF THE HONEYWELL SYSTEM WILL COMPRISE THE  
REAL-TIME FRONT-END PROCESSING SYSTEM. DATA WILL BE

WATER RESOURCES DIVISION  
DATA BASES

AVAILABLE ON THE HONEYWELL COMPUTER FOR INTERACTIVE ACCESS AND PROCESSING BY WRD FIELD OFFICES AND THE RESPECTIVE COOPERATORS. THE SYSTEM WILL ALSO BE USED FOR MONITORING TRANSMISSIONS AND INVENTORYING REAL-TIME DATA. THE FILES WILL STORE ONLY DATA FROM THE MOST RECENT THREE DAYS. ON A DAILY BASIS, DATA WILL BE TRANSFERRED AUTOMATICALLY FROM THE HONEYWELL COMPUTER INTO THE WATSTORE FILES. THE MORE COMMON TYPES OF DATA THAT WILL ENTER AND PASS THROUGH THE REAL-TIME SYSTEM INCLUDE WATER STAGE, RESERVOIR AND LAKE LEVELS, PH, CONDUCTANCE, DISSOLVED OXYGEN, AND TEMPERATURE. THESE DATA WILL BE RECORDED AND TRANSMITTED AT 15-, 30-, OR 60-MIN INTERVALS. THE FILE WILL BE ACCESSED ON AN INTERACTIVE BASIS.

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Data Base Name:	WELL HEADER FILE
Acronym:	WHF
DB Type:	SPATIAL
Structure:	RANDOM
Contact Person:	HAWKINS, GEORGE W.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 5 AERIAL WAY SYOSSET, NY 11791
Telephone:	(516) 938-8830
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1900 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY HYDROLOGISTS
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL; BATCH COMPUTER PRINTOUT
Storage Media:	DISK
No. of Records:	1,700 RECORDS
Bytes per Record:	372 BYTES
Computer Makes and Models:	DATA GENERAL
Computer Locations:	SYOSSET, NY
Languages:	FORTRAN IV
Subject Coverage:	WELL SITE INFORMATION AND DATA AVAILABLE IN SUBFILES

WATER RESOURCES DIVISION  
DATA BASES

Geographical Coverage:

REGIONAL US; LONG ISLAND, NY

Sources of Data:

U.S. GEOLOGICAL SURVEY AND LONG ISLAND COOPERATORS

Documentation:

HAWKINS, GEORGE W., INTRODUCTION TO THE SYOSSET WELL DATA  
BASE. HAWKINS, GEORGE W., CODING INSTRUCTIONS FOR  
ENTERING, UPDATING, AND DELETING WELL INFORMATION IN THE  
SYOSSET WELL HEADER FILE

Keywords:

AQUIFER; GROUNDWATER; HYDROLOGIC DATA

Definition/Description:

THE DATA BASE IS A MASTER LIST OF WELLS IN THE U.S.  
GEOLOGICAL SURVEY LONG ISLAND WELL DATA BASE AND WHERE  
DATA ARE LOCATED ON TAPE IN THE SUBFILES. ACTIVE COMMON  
SITE INFORMATION IS STORED ON DISK.

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Data Base Name:	WELL LOG DATA FILE
Acronym:	WLDF
DB Type:	SPATIAL
Contact Person:	HEALY, HENRY G. OR TROUTMAN, DAVID
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 227 N. BRONOUGH STREET SUITE 3015 TALLAHASSEE, FL 32301
Telephone:	(904) 681-7620 (FTS) 965-7620
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE; PUBLIC LAND SURVEY (SECTION, TOWNSHIP, AND RANGE)
Time Span:	1972 - PRESENT
Data Base Status:	OPERATIONAL
Users:	FLORIDA BUREAU OF GEOLOGY; SUBDISTRICT OFFICES OF THE U.S. GEOLOGICAL SURVEY AT ORLANDO, TAMPA, TALLAHASSEE, JACKSONVILLE, AND MIAMI, FL; WATER MANAGEMENT DISTRICTS
Availability for Use/Access:	UNLIMITED
Output Media:	BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE; PUNCHED CARDS; DISK
No. of Records:	1,800 RECORDS
Bytes per Record:	80 BYTES
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA

WATER RESOURCES DIVISION  
DATA BASES

Languages: FORTRAN  
Subject Coverage: AN INDEX OF GEOPHYSICAL AND SAMPLE LOGS AVAILABLE IN FLORIDA FROM DIFFERENT STATE AGENCIES AS WELL AS FROM U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION OFFICES IN THE STATE

Geographical Coverage:  
US STATE; FLORIDA STATEWIDE

Sources of Data:  
HYDROLOGISTS, GEOLOGISTS, AND TECHNICIANS USING WELL-LOGGING TECHNIQUES OF THE U.S. GEOLOGICAL SURVEY (DENVER AND FLORIDA DISTRICT), FLORIDA BUREAU OF GEOLOGY, AND FIVE WATER MANAGEMENT DISTRICTS IN THE STATE

Documentation:  
NONE

Keywords:  
AQUIFER; BOREHOLE GEOPHYSICS; ELECTRICAL WELL LOGGING; GROUNDWATER; RESISTIVITY; WELL

Definition/Description:  
THE COMPUTERIZED DATA BASE WLDF OF THE WATER RESOURCES DIVISION FLORIDA DISTRICT PROVIDES A REFERENCE AND INDEX TO THE LOCATIONS OF GEOPHYSICAL LOGS BY RESPONSIBLE OFFICES. THE INDEX INCLUDES THE WELL OR DATA SITE NUMBER BY LATITUDE AND LONGITUDE; THE COUNTY; OWNERSHIP; SECTION, TOWNSHIP, AND RANGE; INTERVAL OR TOTAL FOOTAGE LOGGED; THE AGENCY THAT LOGGED THE WELL; WELL DEPTH AND DIAMETER; AQUIFER; USE OF WELL; SPEED OF LOGGING; AND OFFICE RESPONSIBLE FOR THE ACTUAL LOG. THE FOREGOING ARE INCLUDED AS GUIDES FOR ANY NECESSARY PRELIMINARY EVALUATION OF THE LOG DATA PRIOR TO EXAMINING THE ACTUAL LOG.

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Data Base Name: WRD/MIS PROJECTS INFORMATION SYSTEM  
Acronym: WPI  
DB Type: SPATIAL; SCIENTIFIC/TECHNICAL  
Structure: HIERARCHIC  
Contact Person: LOWELL, SUSAN  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
405 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6861 (FTS) 928-6861  
Time Span: 1970 - PRESENT  
Data Base Status: OPERATIONAL

WATER RESOURCES DIVISION  
DATA BASES

Users: INDIVIDUALS AT ALL LEVELS OF  
MANAGEMENT WITHIN THE WATER  
RESOURCES DIVISION; OTHER  
DIVISIONS IN THE U.S. GEOLOGICAL  
SURVEY AS WELL AS THE DIRECTOR'S  
OFFICE; OTHER FEDERAL AGENCIES;  
NON-FEDERAL AGENCIES;  
UNIVERSITIES; INSTITUTES;  
COMMISSIONS; FEDERAL LEGISLATURES;  
PUBLIC; AND OCCASIONALLY OTHER  
NATIONS

Availability for Use/Access: UNLIMITED

Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT;  
PUBLICATION; MICROFORM; PUNCHED  
CARDS

Storage Media: MAGNETIC TAPE; MICROFORM; DISK;  
TEXT

No. of Records: 4,034 RECORDS

Bytes per Record: 4,717 BYTES

Total Bytes in DB: 19,028,378 BYTES

Computer Makes and Models: AMD V7

Computer Locations: RESTON, VA

Languages: GIPSY; PL/1; IRS; EASYTRIEVE;  
DATABUS; SAS; JANUS II

DBMS: SYSTEM 2000

Subject Coverage: INFORMATION ABOUT WATER RESOURCES  
INVESTIGATIONAL ACTIVITIES  
(PROJECTS AND PROGRAMS) AND  
RELATED ADMINISTRATIVE SUPPORT  
FUNCTIONS

Geographical Coverage:  
US; NATIONWIDE, OUTLYING AREAS OF THE US, AND SELECTED  
OTHER COUNTRIES

Sources of Data:  
WATER RESOURCES DIVISION (WRD) PROJECT LEADERS, OTHER  
FEDERAL, STATE, AND LOCAL AGENCIES (THROUGH OFFICE OF  
WATER DATA COORDINATION), USGS FINANCIAL MANAGEMENT  
SYSTEM, DEPARTMENT OF THE INTERIOR PERSONNEL SYSTEM, WRD  
FINANCE AND FISCAL ANALYSIS SECTION, WRD HEADQUARTERS  
STAFF, AND WRD PLANNING SECTION

Documentation:  
WATER RESOURCES DIVISION, 1975, WRD MANAGEMENT INFORMATION  
SYSTEM (MIS) REVISED PROJECT DESCRIPTION FORMS,  
INSTRUCTIONS, AND CODE LISTS: WRD MEMORANDUM NO. 75-177.  
WATER RESOURCES DIVISION, 1977, WRD/MIS RETRIEVALS FROM  
REMOTE FIELD TERMINALS (JANUS/II)-- INTERFACE PROCEDURE  
AND DATA ATTRIBUTES LIST: WRD MEMORANDUM NO. 78.29.  
WATER RESOURCES DIVISION, IN PREPARATION, WRD/MIS SYSTEMS

WATER RESOURCES DIVISION  
DATA BASES

MANUAL: MIS UNIT INTERNAL DOCUMENT.

Systems Which Access Data Base:

WRD/MIS DATA NETWORK

Keywords:

PROGRAMS; PROJECT DESCRIPTIONS; PUBLICATIONS; REPORTS;  
WATER RESOURCES INVESTIGATIONS

Definition/Description:

THE WRD/MIS PROJECTS INFORMATION SYSTEM (WPI) CONTAINS WATER RESOURCES DIVISION (WRD) PROJECT DESCRIPTION DATA AND DESCRIPTIONS OF WATER RESOURCES AREAL INVESTIGATIONS PERFORMED BY OTHER FEDERAL, STATE, OR LOCAL AGENCIES AS REPORTED TO THE U.S. GEOLOGICAL SURVEY OFFICE OF WATER DATA COORDINATION (OWDC). THE INFORMATION CONSISTS OF TEXT, CODES, AND NUMERIC DATA. SOME AREAL INVESTIGATION INFORMATION ITEMS COVERED ARE AGENCY, TITLE, SCOPE, LOCATION, TIME SPAN, AREAL EXTENT, STAFFING AND FUNDING SUPPORT, PLANNED REPORTS, AND KEYWORDS AND CODES DEPICTING THE HYDROLOGIC CHARACTER OF THE STUDY. WRD PROJECT RECORDS ALSO INCLUDE OTHER TYPES OF PROJECT DATA (CBR, RESEARCH, AND ADMINISTRATIVE), ADDITIONAL ITEMS (PROGRESS AND SIGNIFICANT RESULTS, REPORTS IN PROGRESS AND PUBLISHED, AND PROGRAM BUDGET ITEM CODES), AND ALL THE ABOVE, PLUS GREATER DETAIL ON GEOGRAPHIC DISTRIBUTION, FUNDING, MANPOWER, AND HYDROLOGIC CLASSIFICATION CODES. THE DATA ARE MANAGED BY THE GIPSY AND SYSTEM 2000 DATA BASE SYSTEMS, AND A USER INFORMATION RETRIEVAL SOFTWARE INTERFACE (JANUS II) HAS BEEN DEVELOPED, WHICH SIMULTANEOUSLY ACCESSES DATA IN THE TWO SYSTEMS AND ENABLES REMOTE COMPUTER TERMINAL USERS, WITH LITTLE OR NO ADP BACKGROUND, TO SUBMIT THEIR OWN SELF-PROGRAMMED QUERIES AND TO RETRIEVE REPORTS.

\*\*\*\*\*

Data Base Name:	1975 MINNESOTA WATER USE
Acronym:	WATERUSE
DB Type:	SPATIAL
Structure:	HIERARCHIC
Contact Person:	JACQUES, JAMES E.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 702 POST OFFICE BUILDING ST. PAUL, MN 55101
Telephone:	(612) 725-7841 (FTS) 725-7841
Spatial Data Type:	POINT
Coordinate System:	UTM NORTHINGS AND EASTINGS
Data Base Status:	OPERATIONAL
Users:	MINNESOTA DEPARTMENT OF NATURAL

WATER RESOURCES DIVISION  
DATA BASES

RESOURCES; MINNESOTA ENERGY  
AGENCY; U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION

Availability for Use/Access: UNLIMITED

Output Media: BATCH COMPUTER PRINTOUT

Storage Media: DISK

Total Bytes in DB: 1,000,000 BYTES

Computer Makes and Models: CDC CYBER 130

Computer Locations: UNIVERSITY OF MINNESOTA,  
MINNEAPOLIS, MN

Languages: FORTRAN IV

DBMS: SYSTEM 2000

Subject Coverage: WATER USE INFORMATION FOR  
MINNESOTA IN 1975

Geographical Coverage:  
US STATE; STATE OF MINNESOTA

Sources of Data:  
ERIC MADSEN, STATE OF MINNESOTA, DEPARTMENT OF NATURAL  
RESOURCES, DIVISION OF WATERS, ST. PAUL, MN

Documentation:  
NONE

Keywords:  
WATER USE

Definition/Description:  
WATER USE PROVIDES A RAPID MEANS FOR ORGANIZING AND  
SUMMARIZING INFORMATION ON 1975 WATER USE IN MINNESOTA.  
IT CONSISTS OF TEXT, NUMERIC DATA, AND CODES. SOME TOPICS  
COVERED ARE LOCATION OF USE, OWNER, TYPE OF WATER SOURCE,  
TYPE OF USE, AND AMOUNT OF WATER WITHDRAWN.

Comments:  
THESE DATA WERE COLLECTED IN 1975.



BUREAU OF LAND MANAGEMENT  
DATA BASES

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Data Base Name: BIDDING HISTORY SYSTEM FILES  
Acronym: BS  
DB Type: SCIENTIFIC AND TECHNICAL  
Contact Person: MACIOLEK, HERBERT  
Address: BUREAU OF LAND MANAGEMENT  
BRANCH OF INFORMATION SERVICES  
STATE OFFICE CALIFORNIA  
2800 COTTAGE WAY  
SACRAMENTO, CA 95825  
Telephone: (916) 484-4008 (FTS) 468-4008  
Spatial Data Type: TRACT NUMBER  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATIONAL  
Users: OFFICE OF THE AREA GEOTHERMAL  
SUPERVISOR  
Availability for Use/Access: LIMITED  
Output Media: COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 1,250 RECORDS  
Bytes per Record: 60 BYTES  
Total Bytes in DB: 75,000 BYTES  
Computer Makes and Models: DATAPOINT 5500  
Computer Locations: PALO ALTO, CA  
Languages: DATABUS  
Subject Coverage: HISTORY OF GEOTHERMAL COMPETITIVE  
BIDDING  
Geographical Coverage:  
US  
Sources of Data:  
PUBLIC RECORDS FROM ALL BUREAU OF LAND MANAGEMENT STATE  
OFFICES  
Documentation:  
BUTLER, KATHLEEN, 1979, PROGRAM DOCUMENTATION FOR BIDDING  
SYSTEM FILES  
Keywords:  
COMPETITIVE GEOTHERMAL LEASING; DATE OF SALE; KGRA  
IDENTIFICATION CODE; KNOWN GEOTHERMAL RESOURCE AREA; TRACT  
NUMBER  
Definition/Description:  
THE BIDDING SYSTEM FILES (BS) REPRESENT THE ONLY  
NATIONWIDE DATA-RETRIEVAL SYSTEM FOR FEDERAL  
COMPETITIVE-BIDDING AND LEASING INFORMATION. BS CONSISTS  
OF FOUR INTERRELATING FILES WHICH INCLUDE INFORMATION ON  
THE KNOWN GEOTHERMAL RESOURCE AREA (KGRA), IDENTIFICATION  
CODE, MODIFIED LEGAL DESCRIPTION, DATE OF THE LEASE SALE,

BUREAU OF LAND MANAGEMENT  
DATA BASES

TRACT NUMBER, ACREAGE OFFERED, SUCCESSFUL BIDDER AND BID, GRANDFATHER RIGHTS, REOFFERS, AND UNSUCCESSFUL BIDDERS AND BIDS. A SERIES OF UPDATE PROGRAMS PERFORM ALL PROCESSING TASKS NEEDED TO BUILD, OPERATE, AND MAINTAIN THE DATA FILES. DATA RETRIEVAL PROGRAMS ARE AVAILABLE TO PRINT SUMMARIES OF THE INFORMATION.

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Data Base Name:	CLASSIFIED LAND
Acronym:	CL
DB Type:	SPATIAL
Structure:	RELATIONAL
Contact Person:	MOE, LOI O.
Address:	BUREAU OF LAND MANAGEMENT P.O. BOX 2967 PORTLAND, OR 97208
Telephone:	(503) 231-6812 (FTS) 429-6812
Spatial Data Type:	POLYGON
Coordinate System:	PUBLIC LAND SURVEY (SECTION, TOWNSHIP, AND RANGE)
Time Span:	1910 - 1978
Data Base Status:	UNDER DEVELOPMENT
Users:	OFFICES OF AREA AND DISTRICT HYDRAULIC ENGINEERS
Availability for Use/Access:	LIMITED
Output Media:	INTERACTIVE TERMINAL
Storage Media:	DISK
Total Bytes in DB:	3,000,000 BYTES
Computer Makes and Models:	HIS MULTICS
Computer Locations:	DENVER, CO
Languages:	PL/1; LINUS
DBMS:	MRDS
Subject Coverage:	TEMPORARY POWER-SITE RESERVES, POWER-SITE RESERVES, POWER-SITE CLASSIFICATIONS, WATER POWER DESIGNATIONS, INDIAN POWER-SITE RESERVES, RESERVOIR-SITE RESERVES AND FEDERAL POWER PORJECTS, MODIFICATIONS, INTERPRETATIONS, REVOCATIONS, AND CANCELLATIONS.
Geographical Coverage:	US STATE; U.S. GEOLOGICAL SURVEY'S WESTERN REGION STATES: ALASKA, WASHINGTON, OREGON, CALIFORNIA, IDAHO, NEVADA, AND ARIZONA

BUREAU OF LAND MANAGEMENT  
DATA BASES

Sources of Data:

AREA HYDRAULIC ENGINEER OFFICE RECORDS THAT ARE COPIES OF ORIGINAL LAND ORDERS AND SUBSEQUENT CHANGES BOUND IN VOLUMES BY STATES OR FILED BY TYPE OF ACTION BY STATE OR RIVER BASIN

Documentation:

USGS FORMAL CLASSIFICATION RECORDS BOUND IN VOLUMES BY STATES BUT NOT FORMALLY PUBLISHED

Keywords:

FEDERAL POWER PROJECT; POWER-SITE CANCELLATIONS;  
POWER-SITE CLASSIFICATIONS; POWER-SITE RESERVES;  
POWER-SITE RESTORATIONS; WATER POWER; WITHDRAWALS

Definition/Description:

FEDERAL LANDS THAT HAVE BEEN CLASSIFIED BY THE USGS SINCE MARCH 3, 1879 (20 STAT. 394-THE ORGANIC ACT), FOR POTENTIAL WATER RESOURCE DEVELOPMENT IN THE FUTURE AND FEDERAL POWER PROJECT LANDS WITHDRAWN BY VIRTUE OF APPLICATION TO THE FEDERAL ENERGY REGULATORY COMMISSION UNDER THE FEDERAL POWER ACT ARE RECORDED. ORIGINAL AREAS WITHDRAWN HAVE SUBSEQUENTLY BEEN AFFECTED BY OTHER ACTIONS, AND THE FILES REFLECT THE CURRENT STATUS OF THE CLASSIFIED LANDS. LAND LISTS BY ALIQUOT PARTS AND LAND ORDERS WITH ACREAGE TOTALS WILL BE RETRIEVABLE AS NECESSARY FOR REPORTS TO OTHER AGENCIES OR FOR REVIEW OF OUTSTANDING ACREAGES BY RIVER BASIN.

Comments:

THIS DATA BASE WILL EVENTUALLY BE CROSS-REFERENCED TO THE WATER RESOURCE SITES INVENTORY DATA BASE FOR DETERMINATION OF WHICH SITES ARE TO BE WITHDRAWN AND ACREAGES WITHIN EACH POTENTIAL SITE.

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Data Base Name:	COMPUTERIZED ONSHORE MONTHLY ENGINEERING REPORT
Acronym:	COMER
DB Type:	SCIENTIFIC/TECHNICAL
Contact Person:	WYATT, EDDIE R.
Address:	BUREAU OF LAND MANAGEMENT 1717 H STREET, NW WASHINGTON, DC 20006
Telephone:	(202) 653-2133 (FTS) 653-2133
Spatial Data Type:	PLACE NAME
Time Span:	1976 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. GEOLOGICAL SURVEY; BUREAU OF LAND MANAGEMENT
Availability for Use/Access:	LIMITED

BUREAU OF LAND MANAGEMENT  
DATA BASES

Output Media: INTERACTIVE TERMINAL; BATCH  
COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 10,000 RECORDS  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: PL/1; FORTRAN  
DBMS: GIPSY  
Subject Coverage: UNIT AGREEMENTS, LEASE SALE, LEASE  
AND WELL STATUS, INSPECTIONS,  
APPLICATIONS, AND ENVIRONMENTAL  
ANALYSIS  
  
Geographical Coverage:  
US; CONTERMINOUS US  
Sources of Data:  
BUREAU OF LAND MANAGEMENT ONSHORE OIL AND GAS AREA AND  
DISTRICT OFFICES  
Documentation:  
ELLSWORTH, TRINH, COMER, JULY 1977  
Keywords:  
GAS LEASE; NATURAL GAS; OIL; GAS; OIL LEASE; PETROLEUM;  
PETROLEUM INDUSTRY; WATER POLLUTION; WELL DRILLING  
Definition/Description:  
COMER CONTAINS BASIC INFORMATION FOR ADMINISTERING OIL AND  
GAS OPERATIONS ON FEDERAL AND INDIAN ONSHORE OIL AND GAS  
LEASES. THERE IS INFORMATION ON UNIT AGREEMENTS,  
COMMUNIZATION AGREEMENTS, LEASE ACTIVITIES, WELL  
ACTIVITIES, FIELD OPERATIONS, APPLICATIONS FOR A PERMIT TO  
CONDUCT OPERATIONS, AND ENVIRONMENTAL ANALYSIS ACTIVITIES.

\*\*\*\*\*

Data Base Name: GEOTHERMAL APPLICATIONS AND LEASE  
FILES  
Acronym: GAAL  
DB Type: SCIENTIFIC AND TECHNICAL  
Contact Person: MACIOLEK, HERBERT  
Address: BUREAU OF LAND MANAGEMENT  
BRANCH OF INFORMATION SERVICES  
STATE OFFICE CALIFORNIA  
2800 COTTAGE WAY  
SACRAMENTO, CA 95825  
Telephone: (916) 484-4008 (FTS) 468-4008  
Spatial Data Type: POLYGON  
Coordinate System: PUBLIC LAND SURVEY (SECTION,  
TOWNSHIP, AND RANGE)  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATIONAL

BUREAU OF LAND MANAGEMENT  
DATA BASES

Users: BUREAU OF LAND MANAGEMENT; PRIVATE  
INDUSTRY; DEPARTMENT OF JUSTICE;  
DEPARTMENT OF ENERGY; FOREST  
SERVICE

Availability for Use/Access: LIMITED

Output Media: COMPUTER PRINTOUT

Storage Media: DISK

No. of Records: 41,300 RECORDS

Total Bytes in DB: 2,840,000 BYTES

Computer Makes and Models: DATAPOINT 5500

Computer Locations: SACRAMENTO, CA

Languages: DATABUS

Subject Coverage: COMPETITIVE, NONCOMPETITIVE, AND  
INDIAN LEASES AND NONCOMPETITIVE  
APPLICATIONS

Geographical Coverage:  
US; NATIONWIDE

Sources of Data:  
PUBLIC RECORDS FROM ALL BUREAU OF LAND MANAGEMENT STATE  
OFFICES

Documentation:  
IN-HOUSE USER-ORIENTED DOCUMENTATION: MACIOLEK, HERBERT,  
PROGRAM DOCUMENTATION FOR GEOTHERMAL APPLICATION AND LEASE

Systems Which Access Data Base:  
GEOTHERMAL LEASE AND APPLICATION SYSTEM

Keywords:  
APPLICATIONS; GEOTHERMAL LEASE; LEASE

Definition/Description:  
THE GEOTHERMAL APPLICATIONS AND LEASE (GAAL) FILES  
REPRESENT THE ONLY NATIONWIDE DATA-RETRIEVAL SYSTEM FOR  
FEDERAL COMPETITIVE AND NONCOMPETITIVE GEOTHERMAL LEASING  
INFORMATION. GAAL CONSISTS OF THREE INTERRELATING FILES,  
WHICH INCLUDE INFORMATION ON SERIAL REGISTER NUMBER, DATE  
OF APPLICATION, SURFACE MANAGING AGENCY, COUNTY, MODIFIED  
LEGAL DESCRIPTION, ACREAGE, ACTIONS AFFECTING THE  
APPLICATION, AND THE APPLICANT'S IDENTIFICATION CODE. A  
SERIES OF UPDATE PROGRAMS PERFORM ALL PROCESSING TASKS  
NEEDED TO BUILD, OPERATE, AND MAINTAIN THE DATA FILES.  
DATA-RETRIEVAL PROGRAMS ARE AVAILABLE TO PRINT SUMMARIES  
OF THE INFORMATION.

BUREAU OF LAND MANAGEMENT  
DATA BASES

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Data Base Name: ONSHORE RECORD OF EVENTS  
Acronym: CORE  
DB Type: SCIENTIFIC AND TECHNICAL  
Contact Person: WYATT, EDDIE R.  
Address: BUREAU OF LAND MANAGEMENT  
1717 H STREET, NW  
WASHINGTON, DC 20006  
(202) 653-2133 (FTS) 653-2133  
Telephone:  
Spatial Data Type: POLYGON  
Coordinate System: PUBLIC LAND SURVEY (SECTION,  
TOWNSHIP, AND RANGE)  
Time Span: 1974 - PRESENT  
Data Base Status: OPERATIONAL  
Users: BUREAU OF LAND MANAGEMENT; U.S.  
GEOLOGICAL SURVEY  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; PUNCHED CARDS; DISK  
No. of Records: 1,600 RECORDS  
Bytes per Record: 200 BYTES  
Total Bytes in DB: 320,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: IRS  
DBMS: GIPSY  
Subject Coverage: UNDESIRABLE EVENTS ON OIL AND GAS  
LEASEHOLDS ON LANDS UNDER  
SUPERVISION  
Geographical Coverage:  
US; 48 CONTERMINOUS US AND ALASKA  
Sources of Data:  
SOME OF THE DATA ARE SUBMITTED BY OIL AND GAS OPERATORS,  
AND SOME COME FROM FIELD INSPECTIONS BY ONSHORE OIL AND  
GAS FIELD OFFICES.  
Documentation:  
NICHOLS, LOUISE, 1976, CORE PROGRAM DOCUMENTATION MANUAL.  
Keywords:  
ACCIDENT; BLOWOUT; DRILLING; FACILITY; FIRE; GAS LEASE;  
GAS PIPELINES; GAS PIPELINE; GAS VENTED; INJURY; NATURAL  
GAS; OIL; OIL OPERATIONS; OIL LEASE; OIL SPILL; PETROLEUM;  
PETROLEUM INDUSTRY; PETROLEUM PIPELINE; PETROLEUM  
PRODUCTION; PETROLEUM TRANSPORTATION; PIPELINE; PIPELINE  
TRANSPORTATION; SALTWATER; TOXIC FLUIDS; WATER POLLUTION;  
WELL DRILLING; GAS OPERATIONS; SPILL; MUD SPILL; WELL BORE

BUREAU OF LAND MANAGEMENT  
DATA BASES

Definition/Description:

REPORTS OF SPILLS, FIRES, ACCIDENTS, AND BLOWOUTS ON OIL  
AND GAS ONSHORE LEASEHOLDS UNDER USGS SUPERVISION

MINERALS MANAGEMENT SERVICE  
DATA BASES

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Data Base Name: BOREHOLE AND COMPLETION FILE, GULF  
OF MEXICO--OCS  
Acronym: BHCP  
DB Type: SCIENTIFIC AND TECHNICAL  
Structure: RELATIONAL  
Contact Person: CHEDOTAL, JOSEPH J.  
Address: MINERALS MANAGEMENT SERVICE  
P.O. BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0729 (FTS) 680-9729  
Spatial Data Type: LEASE NUMBER  
Time Span: 1947 - PRESENT  
Data Base Status: OPERATIONAL  
Users: GULF OF MEXICO REGION  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 60,000 RECORDS  
Bytes per Record: 180 BYTES  
Total Bytes in DB: 11,800,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: PERKIN-ELMER 3250  
Computer Locations: METAIRIE, LA  
Languages: FORTRAN  
DBMS: DMS/32  
Subject Coverage: WELL DATA  
Geographical Coverage:  
REGIONAL US; GULF OF MEXICO  
Sources of Data:  
OCS OPERATORS SEND IN DI FORM 9-330 (WELL COMPLETION  
REPORT) AND DI FORM 9-331 (SUNDRY NOTICE)  
Documentation:  
CHEDOTAL, JOSEPH J., OCSIS SYSTEM, NOVEMBER 1982  
Systems Which Access Data Base:  
OUTER CONTINENTAL SHELF INFORMATION SYSTEM  
Keywords:  
GAS LEASE; WELL BORE; OIL; OIL LEASE; WELL DRILLING;  
NATURAL GAS; OCS LEASE; GAS; PETROLEUM; GULF OF MEXICO;  
OUTER CONTINENTAL SHELF



MINERALS MANAGEMENT SERVICE  
DATA BASES

Definition/Description:

CONTAINS BOREHOLE AND COMPLETION INFORMATION ABOUT EACH WELL IN THE GULF OF MEXICO. SOME OF THE DATA ELEMENTS ARE FIELD NAME, LEASE NUMBER, WELL NAME, AND OPERATOR. FOR EACH BOREHOLE, TOTAL DEPTH, DATE TOTAL DEPTH REACHED, AND ELEVATION ARE GIVEN. FOR EACH COMPLETION, DATE OF COMPLETION, PERFORATION INTERVAL, TYPE OF COMPLETION, TOP PRODUCTION HORIZON, AND RESERVOIR NAME ARE GIVEN.

\*\*\*\*\*

Data Base Name: EARTHQUAKE DATA RETRIEVAL  
Acronym: QUAKES  
DB Type: SPATIAL  
Contact Person: AALUND, TERRANCE  
Address: MINERALS MANAGEMENT SERVICE  
PACIFIC OCS REGION  
1340 W. SIXTH STREET  
LOS ANGELES, CA 90017  
(213) 688-2046 (FTS) 798-2046  
Telephone:  
Spatial Data Type: POINT  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1900 - 1978  
Data Base Status: OPERATIONAL  
Users: PACIFIC OCS REGION  
Availability for Use/Access: UNLIMITED  
Output Media: INTERACTIVE TERMINAL  
Storage Media: MAGNETIC TAPE  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Languages: MULTITRIEVE  
Subject Coverage: EARTHQUAKE DATA  
Geographical Coverage:  
US; ARIZONA, CALIFORNIA, IDAHO, NEVADA, OREGON, UTAH,  
WASHINGTON, AND WEST COAST OFFSHORE  
Sources of Data:  
CALIFORNIA DIVISION OF MINES AND GEOLOGY, CALIFORNIA  
INSTITUTE OF TECHNOLOGY, U.S. GEOLOGICAL SURVEY GEOLOGIC  
DIVISION.  
Documentation:  
VINTON, J., EARTHQUAKE RETRIEVAL USER'S GUIDE  
Keywords:  
EARTHQUAKE; SEISMICITY

MINERALS MANAGEMENT SERVICE  
DATA BASES

Definition/Description:

THE EARTHQUAKE DATA CONSIST OF THREE TAPES FROM THE U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION, THE CALIFORNIA DIVISION OF MINES AND GEOLOGY, AND THE CALIFORNIA INSTITUTE OF TECHNOLOGY. THE DATA ARE ACCESSIBLE THROUGH THE MULTITRIEVE SOFTWARE PACKAGE. THE INFORMATION ON EACH TAPE INCLUDES DATE, TIME, LOCATION, MAGNITUDE, AND DEPTH. THERE ARE ADDITIONAL DATA, BUT THEY ARE VARIABLE, DEPENDING ON THE ORIGIN OF THE TAPE. THE USER'S GUIDE EXPLAINS THE DATA FORMAT FOR EACH TAPE.

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Data Base Name:	FIELD AND RESERVOIR RESERVE ESTIMATES, GULF OF MEXICO--OCS
Acronym:	FRRE
DB Type:	SCIENTIFIC AND TECHNICAL
Structure:	RELATIONAL
Contact Person:	CHEDOTAL, JOSEPH J.
Address:	MINERALS MANAGEMENT SERVICE P.O. BOX 7944 METAIRIE, LA 70010
Telephone:	(504) 838-0729 (FTS) 680-9729
Spatial Data Type:	LEASE NUMBER
Coordinate System:	LEASE NUMBER CAN BE CONVERETED TO X,Y COORDINATES
Time Span:	1947 - PRESENT
Data Base Status:	OPERATIONAL
Users:	MINERALS MANAGEMENT SERVICE, GULF OF MEXICO REGION
Availability for Use/Access:	PROPRIETARY
Access Method:	INTERACTIVE
Output Media:	INTERACTIVE TERMINAL
Storage Media:	MAGNETIC TAPE; DISK
No. of Records:	8,000 RECORDS
Bytes per Record:	344 BYTES
Total Bytes in DB:	2,752,000 BYTES
Growth Rate:	5 PERCENT PER YEAR
Computer Makes and Models:	PERKIN-ELMER 3250
Computer Locations:	METAIRIE, LA
Languages:	FORTRAN
DBMS:	DMS/32
Subject Coverage:	RESERVES BY RESERVOIR, FIELD, AND LEASE

MINERALS MANAGEMENT SERVICE  
DATA BASES

Geographical Coverage:

REGIONAL US; GULF OF MEXICO

Sources of Data:

RESERVE STUDIES OF THE GULF OF MEXICO

Documentation:

COATS, MARY, GENERAL SYSTEM DESCRIPTION FOR FIELD AND  
RESERVOIR RESERVE ESTIMATES, AND TECHNICAL MANUAL FOR  
FIELD AND RESERVOIR RESERVE ESTIMATES, REWRITTEN OCTOBER  
1982

Keywords:

FIELD RESERVES; NATURAL GAS; OIL; GAS; PETROLEUM;  
PETROLEUM RESERVES; GAS RESERVOIR; OIL RESERVOIR; GULF OF  
MEXICO; OUTER CONTINENTAL SHELF

Definition/Description:

CONTAINS RESERVE ESTIMATES AND ALLOCATED PRODUCTION DATA  
FOR EACH RESERVOIR IN THE GULF OF MEXICO. SOME OF THE  
DATA ELEMENTS ARE AREA, GAS AND OIL RATIOS, RECOVERY  
FACTORS, IN-PLACE RESERVES, GEOLOGIC AGE, DISCOVERY DATA,  
NUMBER OF WELLS, POROSITY, AND GRAVITY.

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Data Base Name:	GEOPHYSICAL MAPPING SYSTEM
Acronym:	GMS
DB Type:	SPATIAL
Contact Person:	AALUND, TERRANCE
Address:	MINERALS MANAGEMENT SERVICE PACIFIC OCS REGION 1340 W. SIXTH STREET LOS ANGELES, CA 90017
Telephone:	(213) 688-2046 (FTS) 798-2046
Spatial Data Type:	GRID
Coordinate System:	LATITUDE/LONGITUDE; UTM NORTHINGS AND EASTINGS; STATE PLANE COORDINATES
Time Span:	1968 - PRESENT
Data Base Status:	OPERATIONAL
Users:	MINERALS MANAGEMENT SERVICE PACIFIC OCS REGION
Availability for Use/Access:	LIMITED
Output Media:	INTERACTIVE TERMINAL; MAGNETIC TAPE
Storage Media:	DISK
No. of Records:	1,000,000 RECORDS
Growth Rate:	10 PERCENT PER YEAR
Computer Makes and Models:	HIS MULTICS
Computer Locations:	DENVER, CO
Languages:	FORTRAN; DISSPLA
Subject Coverage:	CARTOGRAPHIC DATA BASE AND MAPPING

MINERALS MANAGEMENT SERVICE  
DATA BASES

SYSTEM, INCLUDING GEOLOGIC AND  
GEOPHYSICAL DATA

Geographical Coverage:

US STATE; STATE OF CALIFORNIA

Sources of Data:

BUREAU OF LAND MANAGEMENT: THREE-MILE LIMIT, LEASE TRACT  
BOUNDARIES. PETROLEUM COMPANIES: WELL DATA. GEOPHYSICAL  
COMPANIES: SEISMIC DATA

Documentation:

AALUND, TERRANCE, 1980. COMPUTER SOFTWARE USERS GUIDE

Keywords:

BASE MAPS; CARTOGRAPHIC; GEOLOGIC MAPPING; MAPPING; OUTER  
CONTINENTAL SHELF; SPATIAL

Definition/Description:

GEOPHYSICAL MAPPING SYSTEM (GMS) IS A CARTOGRAPHIC DATA  
BASE AND MAPPING SYSTEM FOR BASE MAPS USED FOR LEASE-TRACT  
EVALUATION FOR ANY AREA. THE MAPS WILL BE ON A SCALE OF  
1:48,000 OR 1:96,000 OR WILL BE VARIABLE FROM 1:200 TO  
1:1,500,000 SCALE. USERS MAY SELECT UTM, LAMBERT, OR  
GEOGRAPHIC POSITION PROJECTIONS. THERE ARE THREE BASIC  
TYPES OF MAPS: GEOLOGIC, GEOPHYSICAL, AND BOTTOM SAMPLE.  
ALL BASE MAPS WILL CONTAIN THE SHORE LINE, THREE-MILE  
LIMIT LINE, AND LATITUDE AND LONGITUDE TICKMARKS. THE  
GEOPHYSICAL MAPS WILL CONTAIN ALL SEISMIC LINES, SHOT  
POINT LOCATIONS, AND OCS LEASE-TRACT BOUNDARIES WITHIN THE  
MAP WINDOW OR TIME, DEPTH, OR VELOCITY DATA SELECTED FROM  
THE GEOPHYSICAL DATA BASE. GEOLOGIC MAPS WILL CONTAIN  
PLATFORM AND WELL LOCATIONS, RESERVOIRS, FIELDS, AND OTHER  
DATA. THE BOTTOM-SAMPLE MAPS CONTAIN LOCATIONS OF BOTTOM  
SAMPLES TAKEN WITHIN THE MAP AREA.

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Data Base Name:	HIGH RESOLUTION SEISMIC DATA, GULF OF MEXICO
Acronym:	HIRESGOM
DB Type:	SPATIAL
Contact Person:	YANG, R.H.
Address:	MINERALS MANAGEMENT SERVICE GULF OF MEXICO REGION P.O. BOX 7944 METAIRIE, LA 70010
Telephone:	(504) 838-0706 (FTS) 680-9706
Spatial Data Type:	LINE
Coordinate System:	ARBITRARY X,Y COORDINATES
Time Span:	1977 - 1978
Data Base Status:	UNDER DEVELOPMENT
Users:	GEOPHYSICISTS; HAZARDS AND EVALUA-

MINERALS MANAGEMENT SERVICE  
DATA BASES

Availability for Use/Access: TION RESEARCHERS LIMITED  
Output Media: MAGNETIC TAPE  
Storage Media: MAGNETIC TAPE  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Subject Coverage: HIGH-RESOLUTION SEISMIC DATA  
Geographical Coverage:  
REGIONAL US; GULF OF MEXICO  
Sources of Data:  
GEOPHYSICAL DATA CONTRACTORS  
Documentation:  
NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA CENTER,  
1977, THE MARINE GEOPHYSICAL DATA EXCHANGE FORMAT-'MGD77,'  
18 P.  
Keywords:  
GEOPHYSICS; HIGH RESOLUTION SEISMIC HAZARDS STUDY; OCS  
LEASE; LEASE SALE; SEISMIC STUDY; HAZARD; HAZARDS; GULF OF  
MEXICO; OCS LEASE EVALUATION  
Definition/Description:  
THIS DATA FILE CONSISTS OF CONTRACTOR-SUPPLIED 800 BPI  
NINE-TRACK MAGNETIC TAPES OF HIGH-RESOLUTION GEOPHYSICAL  
DATA ACQUIRED BY THE MINERALS MANAGEMENT SERVICE IN  
SUPPORT OF HAZARDS STUDIES AND LEASE-SALE ACTIVITIES IN  
THE GULF OF MEXICO. MAGNETIC TAPES ARE THE ORIGINAL FIELD  
DATA TAPES GENERATED BY THE CONTRACTORS IN THE PERFORMANCE  
OF THE DATA ACQUISITION PROCESS.  
Comments:  
DATA BASE IS DORMANT AND NOT IN USE AT THIS TIME. THE  
SEISMIC AND NAVIGATIONAL DATA ARE AVAILABLE IN THE MARINE  
GEOPHYSICAL DATA EXCHANGE FORMAT -- MGD77.

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Data Base Name: LEASE DATA FILE, GULF OF  
MEXICO--OCS  
Acronym: LEASE  
DB Type: SCIENTIFIC AND TECHNICAL  
Contact Person: WILLIAMS, JAMES  
Address: MINERALS MANAGEMENT SERVICE  
P.O. BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0729 (FTS) 680-9729  
Spatial Data Type: BUREAU OF LAND MANAGEMENT BLOCK NUMBER  
Time Span: 1945 - PRESENT  
Data Base Status: OPERATIONAL  
Users: GULF OF MEXICO OCS REGION;  
OFFSHORE MINERALS MANAGEMENT;

MINERALS MANAGEMENT SERVICE  
DATA BASES

OTHER FEDERAL AGENCIES; OIL AND  
GAS INDUSTRY; CONSULTANTS  
Availability for Use/Access: LIMITED  
Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT;  
PUNCHED CARDS  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 5,500 RECORDS  
Total Bytes in DB: 2,800,000 BYTES  
Growth Rate: 20 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
DBMS: GIPSY  
Subject Coverage: BASIC LEASE-HOLD INFORMATION AND  
DATA ON ALL OIL, GAS, SALT, AND  
SULFUR LEASES IN THE GULF OF  
MEXICO OUTER CONTINENTAL SHELF  
(OCS)

Geographical Coverage:

REGIONAL US; GULF OF MEXICO OUTER CONTINENTAL SHELF

Sources of Data:

GULF OF MEXICO OCS LEASE-HOLD INFORMATION AND DATA FROM  
THE BUREAU OF LAND MANAGEMENT AND THE U.S. GEOLOGICAL  
SURVEY

Documentation:

LEASE DATA BASE SYSTEM DOCUMENTATION

Keywords:

GAS LEASE; NATURAL GAS; OCS LEASE; OIL LEASE; PETROLEUM;  
PETROLEUM INDUSTRY; SALT LEASE; SULFUR LEASE; GULF OF  
MEXICO; OUTER CONTINENTAL SHELF

Definition/Description:

THE FILE CONTAINS INFORMATION ABOUT THE OPERATION OF OIL,  
GAS, SALT, AND SULFUR LEASES IN THE GULF OF MEXICO. AS  
SOON AS A LEASE SALE HAS BEEN COMPLETED, INFORMATION ABOUT  
THE NEW LEASE IS ADDED TO THE FILE. NEW INFORMATION ABOUT  
CURRENT LEASES IS ADDED EACH WEEK. SOME OF THE DATA  
ELEMENTS IN THE FILE ARE SALE NUMBER, CURRENT STATUS,  
STANDARD OPERATING PROCEDURES, OWNERS OF A WORKING  
INTEREST, PERCENTAGE OF OWNERSHIP, WELLS DRILLED,  
EXPLORATORY WELLS DRILLED, DEVELOPMENT WELLS DRILLED,  
AREA, BLOCK, DATE OF FIRST PRODUCTION, AND NUMBER OF  
PLATFORMS.

MINERALS MANAGEMENT SERVICE  
DATA BASES

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Data Base Name: LEASE SALE DATA FILE, GULF OF MEXICO--OCS  
Acronym: LSALE  
DB Type: SCIENTIFIC AND TECHNICAL  
Contact Person: WILLIAMS, JAMES  
Address: MINERALS MANAGEMENT SERVICE  
P.O. BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0729 (FTS) 680-9729  
Time Span: 1954 - PRESENT  
Data Base Status: OPERATIONAL  
Users: GULF OF MEXICO OCS REGION;  
OFFSHORE MINERALS MANAGEMENT,  
RESTON, VA  
Availability for Use/Access: UNLIMITED  
Output Media: INTERACTIVE TERMINAL; MAGNETIC  
TAPE; BATCH COMPUTER PRINTOUT;  
MICROFORM; PUNCHED CARD  
No. of Records: 50 RECORDS  
Bytes per Record: 1,000 BYTES  
Total Bytes in DB: 50,000 BYTES  
Growth Rate: 6 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
DBMS: GIPSY  
Subject Coverage: LEASE SALE INFORMATION AND DATA ON  
GULF OF MEXICO OCS LEASE SALES  
SINCE OCTOBER 1954  
Geographical Coverage: REGIONAL US; GULF OF MEXICO--OUTER CONTINENTAL SHELF  
Sources of Data: GULF OF MEXICO LEASE-SALE INFORMATION AND DATA FROM THE  
BUREAU OF LAND MANAGEMENT AND THE U.S. GEOLOGICAL SURVEY  
Documentation: LEASE DATA BASE SYSTEM DOCUMENTATION  
Keywords: NATURAL GAS; OUTER CONTINENTAL SHELF; OCS BONUSES; OCS  
LEASE SALE; PETROLEUM; PETROLEUM INDUSTRY; BIDDING; GULF  
OF MEXICO  
Definition/Description: SHORTLY AFTER A LEASE SALE, DATA ON THE SALE ARE ENTERED  
INTO THIS DATA BASE. NONE OF THESE DATA ARE PROPRIETARY.  
SOME OF THE DATA ELEMENTS IN THE FILE ARE SALE DATE, SALE  
NUMBER, STATE, NUMBER OF ACRES, NUMBER OF BIDS, NUMBER OF  
ACRES RECEIVING BIDS, TOTAL AMOUNT OF ALL BIDS, TRACTS  
OFFERED, HIGH BID, LOW BID, AND TRACTS SOLD.

MINERALS MANAGEMENT SERVICE  
DATA BASES

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Data Base Name: MICROFILM DATA FILE  
Acronym: MICRO FILE  
DB Type: SCIENTIFIC AND TECHNICAL  
Contact Person: WILLIAMS, JAMES  
Address: MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO REGION  
P.O. BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0729 (FTS) 680-9729  
Spatial Data Type: POINT  
Coordinate System: ARBITRARY X,Y COORDINATES  
Time Span: 1971 - PRESENT  
Data Base Status: OPERATIONAL  
Users: GEOPHYSICISTS; TECHNICIANS  
Availability for Use/Access: PROPRIETARY  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE  
No. of Records: 500,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 40,000,000 BYTES  
Computer Makes and Models: AMD V7; DATAPOINT  
Computer Locations: RESTON, VA; METAIRIE, LA  
Languages: DATASHARE; ASSEMBLY  
Subject Coverage: CONTAINS CROSS-REFERENCED DATA FOR  
MICROFILM IMAGES OF PROPRIETARY  
DATA  
Geographical Coverage: REGIONAL US; GULF OF MEXICO OUTER CONTINENTAL SHELF  
Sources of Data: GEOPHYSICAL DATA CONTRACTORS  
Documentation: NONE  
Keywords: OCS LEASE EVALUATION; OCS LEASE SALE; SEISMIC STUDY;  
VELOCITY DATA; GULF OF MEXICO; OUTER CONTINENTAL SHELF  
Definition/Description: THIS DATA BASE IS AN INDEX TO A FILE OF VELOCITY DATA  
STORED ON MICROFILM. THERE IS A RECORD IN THE SYSTEM FOR  
EACH DATA ITEM. A RECORD CONTAINS DATE OF MICROFILMING,  
MICROFILM ROLL NUMBER, GEOGRAPHIC AREA, TYPE OF DATA,  
CONTRACTOR, AND BUREAU OF LAND MANAGEMENT BLOCK NUMBER.



MINERALS MANAGEMENT SERVICE  
DATA BASES

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Data Base Name: MONTE CARLO EVALUATION FILES  
Acronym: MONTCAR  
DB Type: SPATIAL  
Contact Person: LORE, GARY  
Address: MINERALS MANAGEMENT SERVICE  
12203 SUNRISE VALLEY DRIVE  
MAIL STOP 644  
RESTON, VA 22091  
Telephone: (703) 860-7567 (FTS) 928-7567  
Spatial Data Type: BUREAU OF LAND MANAGEMENT BLOCK NUMBER  
Time Span: 1971 - PRESENT  
Data Base Status: OPERATIONAL  
Users: SECRETARY OF THE INTERIOR;  
MINERALS MANAGEMENT SERVICE  
Availability for Use/Access: PROPRIETARY  
Output Media: BATCH COMPUTER PRINTOUT; MAGNETIC  
TAPE; MICROFORM  
Storage Media: MAGNETIC TAPE; MICROFORM  
Total Bytes in DB: 30,000,000 BYTES  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV; ASSEMBLY; PL/1  
Subject Coverage: LEASE EVALUATION--POSTSALE INPUT  
AND OUTPUT  
Geographical Coverage:  
REGIONAL US; GULF OF MEXICO, ATLANTIC, PACIFIC, ALASKA OCS  
Sources of Data:  
EVALUATION GEOLOGISTS, ENGINEERS, GEOPHYSICISTS, AND  
ECONOMISTS  
Documentation:  
AKERS, HARRY, 1983, MONTE CARLO DOCUMENTATION MANUAL WITH  
REVISIONS  
Systems Which Access Data Base:  
MONTE CARLO  
Keywords:  
GAS LEASE; NATURAL GAS; OCS LEASE EVALUATION; GULF OF  
MEXICO; OIL LEASE; PETROLEUM; PETROLEUM INDUSTRY  
Definition/Description:  
THE PURPOSE OF THE MONTE CARLO SYSTEM IS TO AID IN THE  
DECISION TO ACCEPT OR REJECT HIGH BIDS FOR BLOCKS IN OCS  
LEASE OFFERINGS. THE FOLLOWING DATA ARE GATHERED AND  
INPUT: CURRENT PRICES FOR OIL AND GAS, TRACT NUMBER,  
TRANSPORTATION COSTS, PIPELINE COSTS, EXPLORATION COSTS,  
NUMBER OF WELLS NECESSARY, WATER DEPTH, DRILLING DEPTHS,  
PRODUCTION DEPTHS, TAX DATA, AND RANGES OF VARIABLES USED

MINERALS MANAGEMENT SERVICE  
DATA BASES

IN ESTIMATING VOLUMES OF GAS AND OIL. THESE DATA ARE AVAILABLE FOR ACCESS ONLY AFTER THE OFFERING DURING THE POSTOFFERING EVALUATION PROCESS. AFTER THAT, THEY ARE PUT INTO AN ARCHIVAL FORM ON MAGNETIC TAPE.

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Data Base Name: OIL SPILL TRAJECTORY ANALYSIS  
MODEL FILES  
Acronym: OSTA  
DB Type: SPATIAL  
Structure: HIERARCHIC  
Contact Person: LANFEAR, KENNETH J.  
Address: MINERALS MANAGEMENT SERVICE  
12203 SUNRISE VALLEY DRIVE  
MAIL STOP 644  
RESTON, VA 22091  
Telephone: (703) 860-6730 (FTS) 928-6730  
Spatial Data Type: GRID  
Coordinate System: LATITUDE/LONGITUDE; ARBITRARY X,Y  
COORDINATES  
Time Span: 1976 - PRESENT  
Data Base Status: OPERATIONAL  
Users: DEPARTMENT OF THE INTERIOR;  
MINERALS MANAGEMENT SERVICE  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE AND BATCH  
Output Media: MAGNETIC TAPE; PUBLICATION  
Storage Media: MAGNETIC TAPE; DISK  
Total Bytes in DB: 60,000,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: AMD V7; HIS MULTICS; PDP 11  
Computer Locations: RESTON, VA  
Languages: FORTRAN IV  
DBMS: NONE  
Subject Coverage: CURRENTS, ENVIRONMENTAL RESOURCES,  
AND WINDS  
Geographical Coverage:  
REGIONAL US; NEARLY THE ENTIRE US OCS, INCLUDING ALASKA  
Sources of Data:  
BUREAU OF LAND MANAGEMENT, NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION, NATIONAL WEATHER SERVICE

MINERALS MANAGEMENT SERVICE  
DATA BASES

Documentation:

SMITH, R. A., SLACK, J. R., WYANT, TIMOTHY, AND LANFEAR, K. J., 1982, THE OILSPILL RISK ANALYSIS MODEL OF THE U.S. GEOLOGICAL SURVEY: U.S. GEOLOGICAL SURVEY PROFESSIONAL PAPER 1227, 40 P. LANFEAR, K. J., AND SAMUELS, W. B., 1981, DOCUMENTATION AND USER'S GUIDE TO THE USGS OILSPILL RISK ANALYSIS MODEL: OILSPILL TRAJECTORIES AND CALCULATION OF CONDITIONAL PROBABILITIES: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 81-316, 99 P. LANFEAR, K. J., AND NAKASSIS, A., 1980, DOCUMENTATION AND USER'S GUIDE TO THE SPATIAL ENVIRONMENTAL DATA DIGITIZING SYSTEMS, SEDDS: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 80-871, 133 P.

Systems Which Access Data Base:

OIL SPILL TRAJECTORY ANALYSIS

Keywords:

MATHEMATICAL MODELS; OIL SPILL; OUTER CONTINENTAL SHELF; PREDICTION; STOCHASTIC

Definition/Description:

THE OIL SPILL TRAJECTORY ANALYSIS MODEL ANALYZES THE PROBABILITY THAT OIL SPILLS FROM OUTER CONTINENTAL SHELF OIL PRODUCTION WILL OCCUR AND CONTACT VULNERABLE ENVIRONMENTAL RESOURCES. THE DATA BASE FOR THIS MODEL COVERS MOST OF THE US OUTER CONTINENTAL SHELF, AT A GRID RESOLUTION OF 1.5 TO 3 KM. FILES INCLUDE SPATIAL LOCATIONS OF ENVIRONMENTAL RESOURCES VULNERABLE TO SPILLED OIL, OCEAN CURRENT FIELDS, AND WIND-TRANSITION PROBABILITY MATRICES.

Comments:

MOST DATA FILES ARE STRUCTURED TO FACILITATE HIGH-SPEED RETRIEVAL BY THE MODEL.

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Data Base Name:	OUTER CONTINENTAL SHELF (OCS) EVENTS FILE
Acronym:	EVENTS
DB Type:	SCIENTIFIC AND TECHNICAL
Contact Person:	GIROIR, A. DONALD
Address:	MINERALS MANAGEMENT SERVICE P.O. BOX 7944 METAIRIE, LA 70010
Telephone:	(504) 838-0555 (FTS) 680-9555
Spatial Data Type:	BUREAU OF LAND MANAGEMENT OCS BLOCK NUMBER
Time Span:	1970 - PRESENT
Data Base Status:	OPERATIONAL
Users:	U.S. DEPARTMENT OF THE INTERIOR; OFFSHORE OPERATIONS, MINERALS MANAGEMENT SERVICE, RESTON, VA;

MINERALS MANAGEMENT SERVICE  
DATA BASES

OIL COMPANIES; GULF OF MEXICO OCS  
REGION, MINERALS MANAGEMENT SERVICE

Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 2,304 RECORDS  
Total Bytes in DB: 422,214 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
DBMS: GIPSY  
Subject Coverage: POLLUTION INCIDENTS, INJURY AND  
DEATH, BLOWOUT, AND OIL AND GAS  
OPERATIONS

Geographical Coverage:  
REGIONAL US; GULF OF MEXICO

Sources of Data:  
MINERALS MANAGEMENT SERVICE DISTRICT OFFICES, LEASE  
OPERATORS

Documentation:  
NONE

Keywords:  
NATURAL GAS; OIL; PETROLEUM; WATER POLLUTION; WELL  
DRILLING; GAS; PETROLEUM PRODUCTION

Definition/Description:  
THE FILE CONTAINS INFORMATION ABOUT TRAUMATIC EVENTS THAT  
OCCUR ON OIL AND GAS PLATFORMS IN THE GULF OF MEXICO. AN  
EVENT COULD BE AN OIL SPILL, A BLOWOUT, A FATALITY, AN  
INJURY, A FIRE, OR AN EXPLOSION. THERE ARE DATA ELEMENTS  
FOR LOCATION, OPERATOR, TYPE OF RIG, CAUSE OF EVENT, AND  
DESCRIPTION OF EVENT.

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Data Base Name: PIPELINE MANAGEMENT SYSTEM, GULF  
OF MEXICO--OCS

Acronym: PMS

DB Type: SCIENTIFIC AND TECHNICAL

Contact Person: GIROIR, A. DONALD

Address: MINERALS MANAGEMENT SERVICE  
P.O. BOX 7944  
METAIRIE, LA 70010

Telephone: (504) 838-0555 (FTS) 680-9555

Spatial Data Type: POINT

Time Span: 1976 - PRESENT

Data Base Status: OPERATIONAL

Users: CONGRESS; OFFSHORE MINERALS

MINERALS MANAGEMENT SERVICE  
DATA BASES

MANAGEMENT, MINERALS MANAGEMENT  
SERVICE; DEPARTMENT OF COMMERCE;  
DEPARTMENT OF THE INTERIOR;  
FEDERAL TRADE COMMISSION; GULF OF  
MEXICO OCS REGION, MINERALS  
MANAGEMENT SERVICE

Availability for Use/Access: UNLIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: DISK  
No. of Records: 9,000 RECORDS  
Bytes per Record: 80 BYTES  
Total Bytes in DB: 720,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: COBOL; IRS; EASYTRIEVE  
Subject Coverage: PIPELINE SEGMENT  
Geographical Coverage:  
REGIONAL US; GULF OF MEXICO  
Sources of Data:  
USGS TECHNICIANS, PIPELINE COMPANIES, AND BUREAU OF LAND  
MANAGEMENT APPROVALS  
Documentation:  
PIPELINE MANAGEMENT SYSTEM TECHNICAL MANUAL  
Keywords:  
GAS PIPELINE; NATURAL GAS; PETROLEUM; PETROLEUM PIPELINE;  
PETROLEUM TRANSPORTATION; PIPELINES; PIPELINE  
TRANSPORTATION; UNDERWATER PIPELINE; GULF OF MEXICO; OUTER  
CONTINENTAL SHELF  
Definition/Description:  
THE PIPELINE MANAGEMENT SYSTEM PROVIDES INDIVIDUAL  
IDENTIFICATION OF PIPELINE SEGMENTS THROUGH THE GATHERING  
AND STORING OF SEGMENT-RELATED DATA ON PIPELINES. THE  
SYSTEM ALLOWS FOR THE RAPID AND ACCURATE RETRIEVAL OF  
STATISTICAL INFORMATION IN THE FOLLOWING CATEGORIES FOR  
ALL PIPELINES APPROVED FOR CONSTRUCTION IN THE FEDERAL  
WATERS OF THE GULF OF MEXICO: OPERATOR, INITIATING  
LOCATION, TERMINATING LOCATION, SIZE, LENGTH, TYPE OF  
PRODUCT, APPROVAL DATE, AND CONSTRUCTION DATE. ALL  
PERTINENT INFORMATION ON EACH SEGMENT IS BEING  
CONTINUOUSLY REVIEWED AND UPDATED.

MINERALS MANAGEMENT SERVICE  
DATA BASES

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Data Base Name: PLATFORM INSPECTION SYSTEM, GULF  
OF MEXICO--OCS  
Acronym: IS  
DB Type: SCIENTIFIC AND TECHNICAL  
Contact Person: GIROIR, A. DONALD  
Address: MINERALS MANAGEMENT SERVICE  
P.O. BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0555 (FTS) 680-9555  
Spatial Data Type: BUREAU OF LAND MANAGEMENT OCS BLOCK NUMBER  
Time Span: 1975 - PRESENT  
Data Base Status: OPERATIONAL  
Users: U.S. DEPARTMENT OF THE INTERIOR;  
GULF OF MEXICO OCS REGION,  
MINERALS MANAGEMENT SERVICE;  
CONTRACT SERVICE COMPANIES  
Availability for Use/Access: LIMITED  
Output Media: BATCH COMPUTER PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 468,000 RECORDS  
Bytes per Record: 160 BYTES  
Total Bytes in DB: 74,880,000 BYTES  
Growth Rate: 3 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: COBOL; IRS; EASYTRIEVE  
Subject Coverage: PRODUCTION-PLATFORM INSPECTIONS  
AND DRILLING-RIG INSPECTIONS  
Geographical Coverage:  
REGIONAL US; FEDERAL LEASES IN THE GULF OF MEXICO  
Sources of Data:  
U.S. GEOLOGICAL SURVEY TECHNICIANS' FIELD INSPECTION FORMS  
Documentation:  
GULF OF MEXICO REGION, CONSERVATION DIVISION, 1975  
(REVISED 1978), PLATFORM INSPECTION SYSTEM. UNPUBLISHED  
USERS GUIDE.  
Keywords:  
GAS PRODUCTION; NATURAL GAS; PETROLEUM; PETROLEUM  
PRODUCTION; ENVIRONMENTAL INSPECTIONS; SAFETY INSPECTIONS  
Definition/Description:  
CONTAINS INFORMATION GATHERED DURING INSPECTIONS OF OIL  
AND GAS PLATFORMS IN THE GULF OF MEXICO. SEPARATE  
INSPECTIONS ARE MADE OF PRODUCTION AND DRILLING OPERATIONS  
ON THE SAME PLATFORMS. THERE IS INFORMATION ABOUT THE  
PLATFORM, HOURS SPENT INSPECTING, VIOLATIONS, DEPARTURES  
GRANTED, SAFETY DEVICE SETTINGS AND PIPELINES, WELL BAY  
OPERATIONS, PRODUCTION VESSELS, HEADER SYSTEMS, FIRED

MINERALS MANAGEMENT SERVICE  
DATA BASES

VESSELS, AND POSSIBLE ITEMS OF NONCOMPLIANCE.

Comments:

DATA BASE CONTAINS SETTINGS OF VARIOUS SAFETY DEVICES AND  
EQUIPMENT AND ITEMS NOT IN COMPLIANCE WITH REGULATIONS.

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Data Base Name: RESERVOIR FILE, GULF OF  
MEXICO--OCS  
Acronym: RESERVOIR  
DB Type: SCIENTIFIC AND TECHNICAL  
Structure: INDEXED SEQUENTIAL  
Contact Person: CHEDOTAL, JOSEPH J.  
Address: MINERALS MANAGEMENT SERVICE  
P.O. BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0729 (FTS) 680-9729  
Spatial Data Type: FIELD  
Data Base Status: OPERATIONAL  
Users: MINERALS MANAGEMENT SERVICE; GULF  
OF MEXICO REGION  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK; TEXT  
No. of Records: 7,500 RECORDS  
Bytes per Record: 161 BYTES  
Total Bytes in DB: 1,207,500 BYTES  
Growth Rate: 5 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: COBOL; FORTRAN  
Subject Coverage: MAXIMUM EFFICIENT RATES FOR EACH  
RESERVOIR  
Geographical Coverage:  
REGIONAL US; GULF OF MEXICO REGION  
Sources of Data:  
OCS OPERATORS SUBMIT DI FORM 9-1866 (REQUEST FOR MAXIMUM  
EFFICIENT RATE OF A RESERVOIR)  
Documentation:  
CHEDOTAL, JOSEPH J., WELL STATUS AND PRODUCTION SYSTEM,  
SEPT. 1978

MINERALS MANAGEMENT SERVICE  
DATA BASES

Systems Which Access Data Base:

WELL STATUS AND PRODUCTION SYSTEM

Keywords:

GAS LEASE; NATURAL GAS; OIL; GAS; OIL LEASE; PETROLEUM;  
GULF OF MEXICO; OUTER CONTINENTAL SHELF; PETROLEUM  
PRODUCTION

Definition/Description:

CONTAINS INFORMATION ABOUT RESERVOIRS IN THE GULF OF  
MEXICO. THERE ARE DATA ELEMENTS FOR FIELD, RESERVOIR,  
EFFECTIVE DATE, MAXIMUM EFFICIENT RATE, AND RESERVOIR  
CLEARANCE.

Comments:

LATEST 6 OCCURRENCES OF DATA ARE KEPT. MOST DATA ARE LESS  
THAN 2 YEARS OLD.

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Data Base Name:	VELOCITY DATA CELLS
Acronym:	VELCELL
DB Type:	SPATIAL
Contact Person:	YANG, R. H.
Address:	MINERALS MANAGEMENT SERVICE GULF OF MEXICO REGION P.O. BOX 7944 METAIRIE, LA 70010
Telephone:	(504) 838-0706 (FTS) 680-9706
Spatial Data Type:	POINT
Coordinate System:	ARBITRARY X,Y COORDINATES
Time Span:	1971 - PRESENT
Data Base Status:	OPERATIONAL
Users:	RESOURCE EVALUATION OFFICES OF THE MINERALS MANAGEMENT SERVICE
Availability for Use/Access:	PROPRIETARY
Output Media:	INTERACTIVE TERMINAL; MAGNETIC TAPE; BATCH COMPUTER PRINTOUT; MICROFORM; PUNCHED CARDS
Storage Media:	MAGNETIC TAPE; PUNCHED CARDS; DISK
Total Bytes in DB:	20,000,000 BYTES
Computer Makes and Models:	HIS MULTICS
Computer Locations:	RESTON, VA
Languages:	FORTRAN
Subject Coverage:	SEISMIC VELOCITY DATA DERIVED FROM GEOPHYSICAL SURVEYS



MINERALS MANAGEMENT SERVICE  
DATA BASES

Geographical Coverage:

REGIONAL US; SCATTERED OCS DATA PRIMARILY IN THE GULF OF MEXICO

Sources of Data:

CONTRACT AND PERMIT SEISMIC SURVEY DATA

Documentation:

GEOSCIENCE INTERPRETIVE AID SYSTEM (GIAS) DOCUMENTATION MANUAL

Systems Which Access Data Base:

GEOSCIENCE INTERPRETIVE AID SYSTEM

Keywords:

GEOPHYSICAL ANALYSIS; OCS LEASE EVALUATION; OCS LEASE SALE; OIL; SEISMIC STUDY; SEISMIC VELOCITY DATA; VELOCITY ANALYSIS; GULF OF MEXICO; OUTER CONTINENTAL SHELF

Definition/Description:

THE CURRENT DATA ARE ON DISK, AND THE HISTORICAL DATA ARE ON TAPE. THE CONTENTS ARE VARIOUS VELOCITY REPRESENTATIONS OF THE SEISMIC WAVELET AS DERIVED FROM DATA SUPPLIED BY CONTRACTOR AND PERMITTEE (SEISMIC SIGNAL). THESE FILES ARE PROCESSED IN A COMPUTATIVE AND ANALYTICAL FASHION EITHER BY BATCH OR INTERACTIVE MEANS TO ASSIST IN THE LEASE EVALUATION AND MANAGEMENT TECHNICAL STUDY AT THE TECHNICAL SPECIALIST LEVEL.

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Data Base Name:	WELL FILE
Acronym:	WF
DB Type:	SCIENTIFIC AND TECHNICAL
Contact Person:	AALUND, TERRANCE
Address:	MINERALS MANAGEMENT SERVICE PACIFIC OCS REGION 1340 W. SIXTH STREET LOS ANGELES, CA 90017
Telephone:	(213) 688-2046 (FTS) 798-2046
Spatial Data Type:	POINT
Time Span:	1968 - PRESENT
Data Base Status:	OPERATIONAL
Users:	PACIFIC OCS REGION
Availability for Use/Access:	PROPRIETARY
Output Media:	INTERACTIVE TERMINAL
Storage Media:	DISK
No. of Records:	550 RECORDS
Total Bytes in DB:	614,400 BYTES
Computer Makes and Models:	HIS MULTICS
Computer Locations:	DENVER, CO
Languages:	FORTRAN
Subject Coverage:	DIRECTIONAL SURVEY--OFFSHORE (OCS)

MINERALS MANAGEMENT SERVICE  
DATA BASES

ONSHORE (LIMITED)

Geographical Coverage:

REGIONAL US; SOUTHERN CALIFORNIA

Sources of Data:

OIL COMPANIES--OCS DATA

Documentation:

NONE

Keywords:

DIRECTIONAL SURVEY; DIRECTIONAL WELLS; GAS LEASE; NATURAL  
GAS; OUTER CONTINENTAL SHELF; OIL; OIL LEASE; PETROLEUM  
INDUSTRY; WELL SURVEY

Definition/Description:

THE INFORMATION IN WELL FILE DESCRIBES DIRECTIONAL SURVEYS  
OBTAINED FROM WELLS DRILLED IN THE OCS REGION OFF  
CALIFORNIA. THE FILES ARE IN A FORMAT THAT IS READABLE TO  
THE PROGRAM WELDEV. THE INFORMATION CONSISTS OF THE  
COMPANY, WELL NAME, KELLY BUSHING, AND WELL SURVEY. THE  
WELL SURVEY INCLUDES MEASURED DEPTH, AVERAGE DRIFT ANGLE,  
AND DIRECTION OF DEVIATION. THE PROGRAM WELDEV WILL  
COMPUTE TRUE DEPTH AT VARIOUS INTERVALS. THERE IS AN  
OPTION TO PLOT A PLAN AND (OR) CROSS-SECTIONAL VIEW OF THE  
WELL.

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Data Base Name:	WELL FILE, GULF OF MEXICO--OCS
Acronym:	WELLS
DB Type:	SCIENTIFIC AND TECHNICAL
Structure:	SORTED SEQUENTIAL
Contact Person:	CHEDOTAL, JOSEPH J.
Address:	MINERALS MANAGEMENT SERVICE P.O. BOX 7944 METAIRIE, LA 70010
Telephone:	(504) 838-0729 (FTS) 680-9729
Spatial Data Type:	AREA
Coordinate System:	UTM NORTHINGS AND EASTINGS; ARBITRARY X,Y COORDINATES; LATITUDE/LONGITUDE
Data Base Status:	OPERATIONAL
Users:	MINERALS MANAGEMENT SERVICE, GULF OF MEXICO REGION
Availability for Use/Access:	PROPRIETARY
Output Media:	MAGNETIC TAPE; BATCH COMPUTER PRINTOUT
Storage Media:	MAGNETIC TAPE; DISK; TEXT
No. of Records:	15,000 RECORDS
Bytes per Record:	396 BYTES
Total Bytes in DB:	5,940,000 BYTES

MINERALS MANAGEMENT SERVICE  
DATA BASES

Growth Rate: 8 PERCENT PER YEAR  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Languages: COBOL  
Subject Coverage: WELL PRODUCTION, TEST, AND MAXIMUM  
PRODUCTION RATES

Geographical Coverage:  
REGIONAL US; GULF OF MEXICO

Sources of Data:  
OCS OPERATORS SEND IN THE FOLLOWING FORMS: DI 9-152  
(MONTHLY REPORT OF OPERATIONS), DI 9-1866 (REQUEST FOR A  
MAXIMUM EFFICIENT RATE OF A RESERVOIR), DI 9-1867 (REQUEST  
FOR WELL MAXIMUM PRODUCTION RATE), DI 9-1868 (WELL  
POTENTIAL TEST REPORT), DI 9-1869 (QUARTERLY OIL TEST  
REPORT), AND DI 9-1870 (SEMI-ANNUAL GAS TEST WELL REPORT).

Documentation:  
CHEDOTAL, JOSEPH J., 1978, WELL STATUS AND PRODUCTION  
SYSTEM

Systems Which Access Data Base:  
WELL STATUS AND PRODUCTION SYSTEM

Keywords:  
GAS LEASE; GAS PRODUCTION; NATURAL GAS; OIL; GAS; OIL  
LEASE; PETROLEUM; PETROLEUM PRODUCTION

Definition/Description:  
CONTAINS INFORMATION ABOUT WELL PRODUCTION IN THE GULF OF  
MEXICO. THE DATA ARE USED TO MONITOR THE RATE OF DEPLETION  
OF A RESERVOIR. AFTER SIX MONTHS, THE DATA ARE MOVED TO  
THE WELL HISTORY PRODUCTION FILE. SOME OF THE DATA  
ELEMENTS ARE WELL NUMBER, OPERATOR, FIELD, RESERVOIR,  
LEASE NUMBER, MAXIMUM PRODUCTION RATE, THE LAST SIX MONTHS  
OF PRODUCTION FOR OIL, GAS, AND WATER, GRAVITY OF OIL, AND  
LAST PRODUCTION DAY.

Comments:  
THE DATA ARE SIX MONTHS OLD AT THE MOST. OLDER DATA HAS  
BEEN MOVED TO THE WELL HISTORY PRODUCTION FILE, GULF OF  
MEXICO--OCS.

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Data Base Name: WELL HISTORY PRODUCTION FILE, GULF  
OF MEXICO--OCS  
Acronym: PROD  
DB Type: SCIENTIFIC AND TECHNICAL  
Structure: RELATIONAL  
Contact Person: CHEDOTAL, JOSEPH J.  
Address: MINERALS MANAGEMENT SERVICE  
P.O. BOX 7944  
METAIRIE, LA 70010

MINERALS MANAGEMENT SERVICE  
DATA BASES

Telephone: (504) 838-0729 (FTS) 680-9729  
Spatial Data Type: AREA  
Coordinate System: LATITUDE/LONGITUDE  
Time Span: 1947 - PRESENT  
Data Base Status: OPERATIONAL  
Users: MINERALS MANAGEMENT SERVICE, GULF  
OF MEXICO REGION  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Output Media: MAGNETIC TAPE; BATCH COMPUTER  
PRINTOUT  
Storage Media: MAGNETIC TAPE; DISK  
No. of Records: 1,900,000 RECORDS  
Bytes per Record: 60 BYTES  
Total Bytes in DB: 114,000,000 BYTES  
Growth Rate: 10 PERCENT PER YEAR  
Computer Makes and Models: PERKIN-ELMER 3250  
Computer Locations: METAIRIE, LA  
Languages: FORTRAN  
DBMS: DMS/32  
Subject Coverage: OIL AND GAS PRODUCTION  
Geographical Coverage:  
REGIONAL US; GULF OF MEXICO  
Sources of Data:  
THE DATA CAME FROM OCS OPERATORS FORM 9-152.  
Documentation:  
CHEDOTAL, JOSEPH J., 1982, OCSIS  
Systems Which Access Data Base:  
OUTER CONTINENTAL SHELF INFORMATION SYSTEM  
Keywords:  
GAS PRODUCTION; NATURAL GAS; OIL; PETROLEUM; PETROLEUM  
PRODUCTION; GULF OF MEXICO; OUTER CONTINENTAL SHELF  
Definition/Description:  
CONTAINS INFORMATION ABOUT WELL PRODUCTION IN THE GULF OF  
MEXICO. SOME OF THE DATA ELEMENTS ARE FIELD, LEASE,  
OPERATOR, WELL NAME, DATE OF PRODUCTION, QUANTITY OF OIL,  
QUANTITY OF GAS, QUANTITY OF WATER, GRAVITY, AND DAYS  
PRODUCED. DATA ARE COLLECTED AT THE WELL LEVEL.

GEOLOGIC DIVISION  
SYSTEMS

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System Name: DATA PROCESSING LABORATORY  
Acronym: DPL  
Application Category: BIBLIOGRAPHIC  
Contact Person: STEELE, WILLIAM C.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MS 79  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2073 (FTS) 467-2073  
Data Bases Accessed: TAPE ARCHIVE MARINE DATA BASE  
Date Implemented: 01/76  
Last Modified: 01/80  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$175,000  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE AND BATCH  
Users: SCIENTISTS NEEDING DATA FROM  
CRUISES PROCESSED, DPL PERSONNEL  
Frequency of Input: CONTINUOUSLY  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: HIS MULTICS  
Computer Locations: DENVER, CO  
Operating System: MULTICS  
USGS Software: DAFE; NAVPLOT; NAVED  
Languages: PL/1; FORTRAN; FAASIC  
Output Media: PLOT; MAGNETIC TAPE; REPORTS  
Input Media: MAGNETIC TAPE  
Input Locations: MENLO PARK, CA  
Peripheral Devices: 5 MAGNETIC TAPE; 1 LINE PRINTER; 1  
INTERACTIVE TERMINAL  
Related Systems: SEISMIC  
Definition/Description:  
ANALYZES NAVIGATION, MAGNETIC, GRAVITY, AND BATHYMETRY  
DATA COLLECTED ON USGS CRUISES IN THE PACIFIC AND ARCTIC  
OCEANS AND THE BERING SEA. DATA ARE STORED ON TAPE USING  
THE MULTICS TAPE ARCHIVING FUNCTION. THIS SYSTEM ALLOWS  
THE USER TO LOCATE THE NEEDED TAPE FOR PROCESSING.

GEOLOGIC DIVISION  
SYSTEMS

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System Name: GENERAL INFORMATION PROCESSING  
SYSTEM  
Acronym: GIPSY  
Application Category: MISSION SUPPORT;  
SCIENTIFIC/TECHNICAL; BIBLIOGRAPHIC  
Contact Person: MARVIN, RICHARD F.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
ISOTOPE GEOLOGY BRANCH  
MS 963  
DENVER, CO 80225  
Telephone: (303) 234-5531 (FTS) 234-5531  
Data Bases Accessed: RADIOMETRIC AGE DATA BANK  
Date Implemented: 01/75  
Last Modified: 01/76  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$45,000  
Availability for Use/Access: LIMITED  
Users: GROUPS WITHIN THE U.S. GEOLOGICAL  
SURVEY; PERSONNEL OF THE NATIONAL  
GEOPHYSICAL DATA CENTER, NOAA,  
BOULDER, COLORADO 80303  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Memory Required: 780K (BYTES)  
Languages: PL/1  
Output Media: COMPUTER PRINTOUT; INTERACTIVE  
TERMINAL  
Input Media: INTERACTIVE TERMINAL; PUNCHED CARDS  
Input Locations: DENVER, CO  
Peripheral Devices: 1 CARD PUNCH; 1 INTERACTIVE  
TERMINAL

Definition/Description:

GIPSY IS A GENERALIZED INFORMATION STORAGE AND RETRIEVAL  
SYSTEM DEVELOPED BY THE UNIVERSITY OF OKLAHOMA. IT IS  
USED IN CONJUNCTION WITH SEVERAL U.S. GEOLOGICAL SURVEY  
DATA BASES SUCH AS THE PETROLEUM DATA SYSTEM AND THE  
RADIOMETRIC AGE DATA BANK (RADB). IN THE CASE OF THE  
RADB, GIPSY PROVIDES A RAPID METHOD FOR OBTAINING AGES AND  
VARIOUS GEOLOGIC PERIODS AND SERVES AS A REFERENCE LIBRARY.

GEOLOGIC DIVISION  
SYSTEMS

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System Name: GEOLOGIC NAMES OF THE UNITED STATES  
Acronym: GEONAMES  
Application Category: BIBLIOGRAPHIC  
Contact Person: LUTTRELL, GWENDOLYN W.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
GEOLOGIC NAMES COMMITTEE  
OFFICE OF SCIENTIFIC PUBLICATIONS  
902 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6511 (FTS) 928-6511  
Data Bases Accessed: GEOLOGIC NAMES  
Date Implemented: 06/73  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$50  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Users: GEOLOGISTS; U.S. GEOLOGICAL SURVEY; OTHERS  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Operating System: MULTICS  
Memory Required: 25K (BYTES)  
Languages: FORTRAN  
Output Media: COMPUTER PRINTOUT; INTERACTIVE TERMINAL; PUBLICATION  
Input Media: INTERACTIVE TERMINAL; MAGNETIC TAPE  
Input Locations: RESTON, VA  
Peripheral Devices: 1 INTERACTIVE TERMINAL; 1 LINE PRINTER; 1 MAGNETIC TAPE  
Definition/Description:  
ROCK STRATIGRAPHIC NAMES IN GOOD USAGE IN THE US ARE COMPUTER CODED TO REFLECT DISTRIBUTION, GEOLOGIC AGE, USGS USAGE, LITHOLOGY, COLOR, THICKNESS, TYPE LOCALITY, AND A REFERENCE. PRINTOUTS AND A TAPE ARE AVAILABLE FOR REFERENCE AT EACH OF THE THREE REGIONAL CENTERS.

GEOLOGIC DIVISION  
SYSTEMS

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System Name: GEOLOGIC RETRIEVAL AND SYNOPSIS  
PROGRAM  
Acronym: GRASP  
Application Category: MISSION SUPPORT;  
COMPUTATIONAL/STATISTICAL;  
SCIENTIFIC/TECHNICAL; MANAGEMENT  
INFORMATION; SPATIAL; BIBLIOGRAPHIC  
Contact Person: BOWEN, ROGER W.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
920 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6451 (FTS) 928-6451  
Data Bases Accessed: WELL HISTORY CONTROL SYSTEM; P.I.  
WELL FILE; PETROLEUM DATA SYSTEM;  
MINERAL RESOURCES DATA BASE; ROCK  
ANALYSIS STORAGE SYSTEM; MAP  
BIBLIOGRAPHY FILE; MARINE DATABASE  
INDEX; NUMEROUS COMMODITY FILES  
Date Implemented: 04/74  
Last Modified: 11/80  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$70,000  
Availability for Use/Access: UNLIMITED  
Users: USGS, PRIVATE INDUSTRY, NASA,  
FOREIGN GOVERNMENT AGENCIES,  
UNIVERSITIES; (DOMESTIC AND  
FOREIGN)  
Frequency of Input: DAILY  
Frequency of Output: DAILY  
Computer Makes and Models: HP 2100; HIS MULTICS; PE; TE 4081  
Computer Locations: WOODS HOLE, MA; ANCHORAGE, AL;  
RESTON, VA  
Operating System: MULTICS  
Memory Required: 150K (BYTES)  
Languages: FORTRAN  
Output Media: TERMINAL; DISK  
Input Media: TERMINAL; DISK  
Input Locations: RESTON, VA; DENVER, CO; MENLO  
PARK, CA; WOODS HOLE, MA  
Related Systems: STATPAC; ROCK ANALYSIS STORAGE  
SYSTEM



GEOLOGIC DIVISION  
SYSTEMS

Definition/Description:

GRASP IS A SYSTEM FOR THE STORAGE, RETRIEVAL, AND  
MANIPULATION OF DATA. THE MAJOR FEATURES OF THE SYSTEM ARE  
MACHINE INDEPENDENCE, DATA INDEPENDENCE, EASE OF USE,  
TIME-SHARE OPERATION, AND EASE OF EXPANSION.

Comments:

MEMORY REQUIRED COULD BE 64K WITH OVERLAY.

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System Name: GEOPHYSICAL LABORATORY  
Acronym: GEOLAB  
Application Category: SCIENTIFIC/TECHNICAL  
Contact Person: HERRIOT, JAMES W.  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MS 77  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 EXT 2932 (FTS) 467-2932  
Data Bases Accessed: LOW FREQUENCY SURFACE DEFORMATION  
DATA; INSTRUMENTS FOR MEASUREMENT  
OF SURFACE DEFORMATION DATA  
Date Implemented: 01/74  
Last Modified: 01/82  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$12,000  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Users: USGS GEOLOGISTS IN TECTONOPHYSICS  
BRANCH  
Frequency of Input: CONTINUOUSLY  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: PDP-11/03, PDP-11/44, PDP-11/70  
Computer Locations: MENLO PARK, CA  
Operating System: UNIX  
Memory Required: 100K (BYTES)  
Vendor Software: UNIX  
USGS Software: NONE  
Languages: 'C'  
Output Media: INTERACTIVE TERMINAL  
Input Media: RAW DATA VIA TELEPHONE LINES FROM  
INSTRUMENTS  
Input Locations: ABOUT 100 GEOGRAPHICAL LOCATIONS  
IN CALIFORNIA  
Peripheral Devices: 1 DISK; 1 INTERACTIVE TERMINAL  
Related Systems: SEISMIC

GEOLOGIC DIVISION  
SYSTEMS

Definition/Description:

REAL-TIME ACCESS OF LOW FREQUENCY DATA FROM MORE THAN 100 INSTRUMENTS IN NORTHERN AND SOUTHERN CALIFORNIA HAS BEEN ACCOMPLISHED ON THE PDP 11/44 UNIX LOW FREQUENCY DATA ACQUISITION SYSTEM. USERS CAN LOG IN TO THE SYSTEM AND ACQUIRE PRINTOUTS OR PLOTS OF UP-TO-THE MINUTE DATA FROM ANY SPECIFIED STATION IN SECONDS. THE SYSTEM SUPPORTS TELEPHONE ACCESS, SO THE SERVICE IS AVAILABLE REMOTELY AS WELL AS ON SITE. THE DATA ARE RECEIVED ON TWO PDP 11/03 COMPUTERS RUNNING IN PARALLEL (FOR RELIABILITY). THESE MACHINES CHECK THE DATA FOR VALIDITY AND STORE THE SAMPLES ON THEIR OWN FLEXIBLE-DISK MEDIA. THEY PERFORM THIS SERVICE AS WELL AS PROVIDE INTERACTIVE ACCESS USING OPLAN SOFTWARE DEVELOPED BY REESE CUTLER OF CUTLER DIGITAL DESIGNS. ONE OF THE TWO PDP 11/03 PROCESSORS HAS AN ORDINARY TERMINAL AS ITS CONTROLLING CONSOLE. THE OTHER HAS THE 11/44 AS ITS "VIRTUAL" CONSOLE. THE 11/44 INTERFACES TO THIS REAL-TIME 11/03 THROUGH A SPECIALLY DEVELOPED NETWORK CONNECTION. HENCE, ALL THE DATA, INCLUDING MEASUREMENTS ONLY MINUTES OLD, ARE DIRECTLY ACCESSIBLE TO THE UNIX 11/44 TIME-SHARING COMPUTER.

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System Name:	HAWAIIAN VOLCANO OBSERVATORY DEFORMATION DATA STORAGE, REDUCTION, AND ANALYSIS SYSTEM
Application Category:	SCIENTIFIC/TECHNICAL
Contact Person:	ENGLISH, THOMAS T.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION HAWAIIAN VOLCANO OBSERVATORY P.O. BOX 51 HAWAII NATIONAL PARK, HI 96718 (808) 967-7328 (FTS)
Telephone:	
Data Bases Accessed:	NONE
Date Implemented:	01/79
Last Modified:	01/79
Expected Application Life:	1992
Application Status:	UNDER MODIFICATION
Annual Operating Costs:	\$10,000
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE AND BATCH
Users:	HAWAIIAN VOLCANO OBSERVATORY STAFF
Frequency of Input:	CONTINUOUSLY
Frequency of Output:	AS REQUIRED
Computer Makes and Models:	DATA GENERAL ECLIPSE S200; APPLE II
Computer Locations:	HAWAIIAN VOLCANO OBSERVATORY

GEOLOGIC DIVISION  
SYSTEMS

Operating System: RDOS  
Memory Required: 256K (BYTES)  
Languages: FORTRAN 5; PASCAL; ASSEMBLER  
Output Media: INTERACTIVE TERMINALS; GRAPHICS;  
COMPUTER PRINTOUT  
Input Media: INTERACTIVE TERMINALS; RADIO  
TELEMETRY  
Input Locations: HAWAIIAN VOLCANO OBSERVATORY  
Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
DISK; 1 INTERACTIVE TERMINAL  
Related Systems: SEISMIC DATA PROCESSING SYSTEM  
Definition/Description:  
THE SYSTEM IS USED FOR REDUCTION, ANALYSIS, AND ARCHIVING  
OF DATA FROM GEODETIC FIELD SURVEYS INCLUDING THIRD ORDER  
LEVELING, ELECTRONIC DISTANCE MEASUREMENTS, GROUND  
TILTING, AND FROM TELEMETRY MONITORS FOR TILT AND CREEP  
METERS.

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System Name: MARINE INTEGRATED DATA ACQUISITION  
AND PROCESSING SYSTEM  
Acronym: MIDAPS  
Application Category: MISSION SUPPORT;  
SCIENTIFIC/TECHNICAL  
Contact Person: MANN, DENNIS  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
345 MIDDLEFIELD ROAD  
MAIL STOP 79  
MENLO PARK, CA 94025  
Telephone: (415) 323-8111 (FTS) 467-2070  
Data Bases Accessed: PACIFIC/ARCTIC MULTICHANNEL DATA  
Date Implemented: 01/76  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$110,000  
Availability for Use/Access: NOT AVAILABLE  
Access Method: BATCH  
Users: PACIFIC-ARCTIC BRANCH, OFFICE OF  
MARINE GEOLOGY  
Frequency of Input: CONTINUOUSLY  
Frequency of Output: CONTINUOUSLY  
Computer Makes and Models: DG ECLIPSE 230, VAX  
Computer Locations: MENLO PARK, CA  
Operating System: RDOS  
Memory Required: 500K (BYTES)  
Vendor Software: DIGICON

GEOLOGIC DIVISION  
SYSTEMS

USGS Software: USGS DEVELOPED  
Languages: FORTRAN; DG ASSEMBLER; MICRO CODE  
Output Media: MAGNETIC TAPE; ELECTROSTATIC PLOTS  
Input Media: MAGNETIC TAPE; CARD  
Input Locations: OFFICE OF MARINE GEOLOGY, MENLO  
PARK, CA  
Peripheral Devices: 5 MAGNETIC TAPE; 1 LINE PRINTER; 3  
DISK; 1 CARD READER

Definition/Description:

THIS 'DATA BASE' IS NOT CONVENTIONAL. THE MULTICHANNEL  
SEISMIC REFLECTION DATA RESIDE ON 'FIELD' AND  
INTERMEDIATE-PROCESSING TAPES, WHICH ARE ACCESSIBLE BY THE  
MULTICHANNEL PROCESSING SYSTEM. COMPLETED SEISMIC  
SECTIONS ARE AVAILABLE THROUGH DATA CURATOR -  
PACIFIC-ARCTIC BRANCH, OFFICE OF MARINE GEOLOGY.

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System Name: MINERAL RESOURCES DATA SYSTEM  
Acronym: MRDS  
Application Category: SCIENTIFIC/TECHNICAL  
Contact Person: MEDLIN, ANTOINETTE  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
920 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6455 (FTS) 928-6455  
Data Bases Accessed: MRDS FILE; GEOGRAPHIC NAMES  
INFORMATION SYSTEM/U.S. NATIONAL  
ATLAS INDEX  
Date Implemented: 01/72  
Last Modified: 09/83  
Application Status: OPERATIONAL  
Annual Operating Costs: \$600,000  
Availability for Use/Access: UNLIMITED  
Users: U.S. GEOLOGICAL SURVEY; US  
GOVERNMENT; US GOVERNMENT  
AGENCIES; EDUCATIONAL INSTITUTES;  
STATE GEOLOGIC SURVEYS; INDUSTRY;  
PRIVATE USERS  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD  
Computer Locations: RESTON, VA  
Operating System: MVS  
Memory Required: 125K (BYTES)  
Vendor Software: GIPSY  
USGS Software: LAT/UTM CONVERSION; CARTOGRAPHIC

GEOLOGIC DIVISION  
SYSTEMS

Languages: AUTOMATIC MAPPING; DISSPLA  
FORTRAN  
Output Media: PRINTER; TAPE; DISK  
Input Media: KEY TO DISK; INTERACTIVE TERMINAL  
Input Locations: USGS  
Related Systems: CARTOGRAPHIC AUTOMATIC MAPPING  
Definition/Description:

IN GENERAL, MRDS CONSISTS OF A SET OF RECORDS ON THE MINERAL DEPOSITS AND MINERAL COMMODITIES OF THE US AND, TO A CERTAIN EXTENT, OF THE WORLD. THE FILE IS ARRANGED TO ACCEPT THE BASIC INFORMATION NEEDED TO DESCRIBE A MINERAL DEPOSIT OR A GROUP OF RELATED DEPOSITS, SUCH AS A MINING DISTRICT. THE FILE IS FLEXIBLE, SO THAT WHAT CONSTITUTES A RECORD CAN BE DECIDED LARGELY BY THE USER. HOWEVER, CERTAIN MINIMUM DATA ARE REQUIRED TO ESTABLISH A RECORD. ENTRIES ARE IN NATURAL LANGUAGE TEXT WHEREVER POSSIBLE, BUT CERTAIN ENTRIES ARE RIGIDLY FORMATTED OR CODED OR BOTH. THE ORGANIZATION OF THE FILE, TOGETHER WITH THE PROGRAM USED, PROVIDES FOR HIGHLY SELECTIVE RETRIEVALS. RETRIEVED INFORMATION CAN BE PRINTED IN ANY OF THREE ARRANGEMENTS, OR IT CAN BE PASSED TO A SUBSEQUENT PROGRAM FOR FURTHER PROCESSING, SUCH AS MAPS AND OTHER GRAPHICS.

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System Name: NATIONAL COAL RESOURCES DATA  
SYSTEM  
Acronym: NCRDS  
Application Category: SCIENTIFIC/TECHNICAL; SPATIAL  
Contact Person: CARTER, M. DEVEREUX  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
956 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-7464 (FTS) 928-7464  
Data Bases Accessed: CHEMICAL ANALYSES ON MAJOR, MINOR,  
AND TRACE ELEMENTS IN U.S. COAL  
BEDS; STRATIGRAPHIC INFORMATION  
RELATING TO COAL RESOURCES OF THE  
UNITED STATES; IDENTIFIED COAL  
RESOURCES OF THE EASTERN UNITED  
STATES; IDENTIFIED COAL RESOURCES  
OF THE WESTERN UNITED STATES;  
NEWLY IDENTIFIED COAL RESOURCES OF  
THE UNITED STATES; STANDARD UNITED  
STATES BUREAU OF MINES CHEMICAL  
ANALYSES; PROXIMATE AND ULTIMATE  
ANALYSES FOR SELECTED AREAS IN THE

GEOLOGIC DIVISION  
SYSTEMS

UNITED STATES; BUREAU OF MINES  
SUMMARY RESERVE BASE AND AVERAGE  
ANALYSIS

Date Implemented: 01/75  
Last Modified: 12/82  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$2,000,000  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE AND BATCH  
Users: U.S. GEOLOGICAL SURVEY; STATE  
AGENCIES; MINERALS MANAGEMENT  
SERVICE; GENERAL PUBLIC

Frequency of Input: CONTINUOUSLY  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: HIS MULTICS  
Computer Locations: RESTON, VA  
Operating System: MULTICS  
USGS Software: PACER; GARNET  
Languages: FORTRAN  
Output Media: PLOTS; COMPUTER PRINTOUTS; TAPES;  
INTERACTIVE TERMINAL

Input Media: TAPE; INTERACTIVE TERMINAL  
Input Locations: BRANCH OF COAL RESOURCES, RESTON,  
VA

Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
DISK; 1 CARD READER; 1 INTERACTIVE  
TERMINAL

Definition/Description:

THE BASIC NATIONAL COAL RESOURCES DATA SYSTEM ALLOWS USERS  
TO INTERACTIVELY RETRIEVE INFORMATION ON COAL QUANTITY AND  
QUALITY AND TO BUILD NEW RESOURCE DATA FROM ONGOING  
RESEARCH ON THE GEOLOGY OF COAL BY THE U.S. GEOLOGICAL  
SURVEY AND STATE AGENCIES.

Comments:

DATA BASES ACCESSED CONTAIN SOME PROPRIETARY DATA. ACCESS  
TO NON-USGS USERS IS LIMITED TO NONPROPRIETARY DATA. THE  
NATIONAL COAL RESOURCES DATA SYSTEM (NCRDS) IS A  
USER-ORIENTED COMPUTERIZED STORAGE, RETRIEVAL, AND DISPLAY  
SYSTEM DEvised BY THE U.S. GEOLOGICAL SURVEY TO ASSESS THE  
QUANTITY AND QUALITY OF NATIONAL COAL RESOURCES. THE USGS  
HAS INITIATED A 5- TO 10-YEAR PROGRAM TO PROVIDE  
POINT-SOURCE COVERAGE FOR THE COAL-BEARING ROCKS IN THE  
US. COOPERATIVE PROJECTS WITH MANY STATE GEOLOGIC AGENCIES  
HAVE BEEN FUNDED TO SUPPLEMENT USGS WORK AND TO AMASS THE  
VOLUME OF DATA REQUIRED TO ASSESS US COAL RESOURCES.  
CURRENTLY, FILES CONTAINING SUMMARY AREAL COAL TONNAGE  
ESTIMATES AND PROXIMATE/ULTIMATE CHEMICAL ANALYSES AND  
POINT-LOCATED MAJOR, MINOR, AND TRACE-ELEMENT ANALYSES ARE

GEOLOGIC DIVISION  
SYSTEMS

AVAILABLE. THE POINT-SOURCE FILES ARE USED TO CALCULATE RESOURCE ESTIMATES AND TO DEPICT TRENDS IN THE OCCURRENCE AND CHEMICAL CHARACTERISTICS OF COAL. PRIMARY DATA FOR RESOURCE CALCULATION INCLUDE BORE-HOLE RECORDS, FIELD MEASUREMENTS, COAL-BED OUTCROP PATTERNS, BURNED, CHanneled, AND MINED-OUT AREAS, AND GEOCHEMICAL ANALYSES. SYSTEM SOFTWARE CAN CALCULATE COAL RESOURCE ESTIMATES, GENERATE OVERBURDEN OR INTERBURDEN DISTRIBUTION, AND DELINEATE AREAS OF COAL WITH SELECTED QUALITY PARAMETERS (FOR EXAMPLE, >1 PERCENT SULFUR, <50 PPM ZINC) WITHIN SPECIFIED BOUNDARY (IES), (FOR EXAMPLE, COUNTY, QUADRANGLE, OR LEASE TRACT). DATA MAY BE DISPLAYED DESCRIPTIVELY BY PREFORMATTED TABLES, USER-DETERMINED LISTINGS, AND SELECTED STATISTICS OR GRAPHICALLY BY TWO-AND THREE-DIMENSIONAL DIAGRAMS, TREND SURFACES, ISOLINE MAPS, AND STRATIGRAPHIC SECTIONS.

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System Name:	NATIONAL EARTHQUAKE INFORMATION SYSTEM
Acronym:	NEIS
Application Category:	MISSION SUPPORT; COMPUTATIONAL/STATISTICAL; SCIENTIFIC/TECHNICAL
Contact Person:	PERSON, WAVERLY
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION MS 967 DENVER FEDERAL CENTER BOX 25046 DENVER, CO 80225
Telephone:	(303) 234-3994 (FTS) 234-3994
Date Implemented:	01/66
Last Modified:	12/82
Expected Application Life:	CONTINUOUS
Application Status:	OPERATIONAL
Annual Operating Costs:	\$875,000
Availability for Use/Access:	NOT AVAILABLE
Access Method:	INTERACTIVE
Users:	WORLDWIDE SEISMOLOGICAL COMMUNITY; FEDERAL, STATE, AND LOCAL GOVERNMENT AGENCIES; INTERNATIONAL GOVERNMENTS
Frequency of Input:	DAILY
Frequency of Output:	DAILY
Computer Makes and Models:	PDP 11/70; VAX 780; DEC
Computer Locations:	GOLDEN, CO
Operating System:	DPD AND VAX OS

GEOLOGIC DIVISION  
SYSTEMS

Languages: FORTRAN; PL/1; C; RAP4  
Output Media: PRINTOUTS; TERMINALS  
Input Media: TERMINALS; TAPES; COMPUTER TO  
COMPUTER  
Input Locations: GOLDEN, CO  
Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
INTERACTIVE TERMINAL

Definition/Description:

THE NEIS IS RESPONSIBLE FOR COLLECTING SEISMIC DATA FROM  
APPROXIMATELY 2100 MONITORING STATIONS AROUND THE WORLD,  
DETERMINING THE EPICENTER OF EACH EARTHQUAKE, AND  
PUBLISHING THE ORIGIN TIME, LOCATION, DEPTH, MAGNITUDE,  
AND OTHER CHARACTERISTICS OF EACH EARTHQUAKE. FOR SEVERE  
EARTHQUAKES, THE NEIS PROVIDES A QUICK EPICENTER  
DETERMINATION SERVICE IN ORDER TO MOBILIZE EMERGENCY AID  
FACILITIES.

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System Name: PROSPECTOR  
Application Category: SCIENTIFIC/TECHNICAL  
Contact Person: MCCAMMON, RICHARD  
Address: U.S. GEOLOGICAL SURVEY  
GEOLOGIC DIVISION  
920 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6446 (FTS) 928-6446  
Data Bases Accessed: PROSPECTOR  
Date Implemented: 08/83  
Last Modified: 08/83  
Expected Application Life: CONTINUOUS  
Application Status: UNDER DEVELOPMENT  
Annual Operating Costs: \$12,000  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE  
Users: U.S. GEOLOGICAL SURVEY  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: VAX 11/780  
Computer Locations: MENLO PARK, CA  
Operating System: VMS  
Memory Required: 4000K (BYTES)  
Vendor Software: INTERLISP  
Languages: LISP  
Output Media: INTERACTIVE TERMINAL  
Input Media: INTERACTIVE TERMINAL  
Input Locations: VARIED  
Peripheral Devices: 1 DISK; 1 INTERACTIVE TERMINAL



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Definition/Description:

PROSPECTOR IS A COMPUTER-BASED CONSULTING SYSTEM DESIGNED FOR USE BOTH IN SEARCHING FOR ORE DEPOSITS AND IN EVALUATING THE MINERAL POTENTIAL OF LARGE GEOGRAPHIC AREAS. IT UTILIZES THE "EXPERT SYSTEM" APPROACH, AN ARTIFICIAL INTELLIGENCE TECHNIQUE. IT OPERATES BY ANALYZING DATA FROM A PARTICULAR SITE AND COMPARING THE RESULTS WITH THAT FOR OTHER MINERALS IN DIFFERENT TYPES OF ORE DEPOSITS.

Comments:

THIS PROGRAM IS PROPRIETARY TO SRI INTERNATIONAL AND MAY BE USED ONLY AS AUTHORIZED UNDER A LICENSE OR OTHER AGREEMENT CONTROLLING SUCH USE.

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System Name:	PUBLICATION MANUSCRIPTS SYSTEM
Acronym:	PUBMANUS
Application Category:	BIBLIOGRAPHIC
Contact Person:	WATSON, JOHN M.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION OFFICE OF SCIENTIFIC REPORTS BRANCH OF EASTERN TECHNICAL REPORTS 321 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6706 (FTS) 928-6706
Data Bases Accessed:	PUBLICATION MANUSCRIPTS DATA BASE
Date Implemented:	05/82
Expected Application Life:	CONTINUOUS
Application Status:	OPERATIONAL
Annual Operating Costs:	\$6,000
Availability for Use/Access:	UNLIMITED
Access Method:	INTERACTIVE
Users:	U.S. GEOLOGICAL SURVEY; PUBLIC INQUIRIES OFFICES; GENERAL PUBLIC
Frequency of Input:	MONTHLY
Frequency of Output:	DAILY
Computer Makes and Models:	HIS MULTICS
Computer Locations:	RESTON, VA
Operating System:	MULTICS
USGS Software:	TARUS
Languages:	PL/1
Output Media:	INTERACTIVE TERMINAL
Input Media:	MAGNETIC TAPE
Peripheral Devices:	1 DISK

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Definition/Description:

PUBMANUS PROVIDES, THROUGH INTERACTIVE COMPUTER TERMINALS, REFERRAL TO ALL USGS PUBLICATIONS. FLEXIBLE SEARCH TECHNIQUES ARE PROVIDED THAT ENABLE USERS TO REFERENCE PUBLICATION INFORMATION IN A NUMBER OF WAYS.

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System Name:	SEISMIC DATA PROCESSING SYSTEM
Application Category:	SCIENTIFIC/TECHNICAL
Contact Person:	ENGLISH, THOMAS T.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION HAWAIIAN VOLCANO OBSERVATORY P.O. BOX 51 HAWAII NATIONAL PARK, HI 96718
Telephone:	(808) 967-7328 (FTS)
Data Bases Accessed:	HAWAIIAN VOLCANO OBSERVATORY DIGITAL SEISMOGRAM ARCHIVE; HAWAIIAN EARTHQUAKE LOCATION DATA BASE
Date Implemented:	01/79
Last Modified:	01/79
Expected Application Life:	1988
Application Status:	OPERATIONAL
Annual Operating Costs:	\$30,000
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE AND BATCH
Users:	HAWAIIAN VOLCANO OBSERVATORY STAFF; OTHER USGS AND OUTSIDE USERS BY SPECIAL ARRANGEMENT WITH SCIENTIST-IN-CHARGE OR CHIEF OF SEISMIC PROGRAM
Frequency of Input:	DAILY
Frequency of Output:	DAILY
Computer Makes and Models:	DATA GENERAL ECLIPSE S200
Computer Locations:	HAWAIIAN VOLCANO OBSERVATORY
Operating System:	RDOS
Memory Required:	256K (BYTES)
Languages:	FORTRAN 5; ASSEMBLY
Output Media:	COMPUTER PRINTOUT; GRAPHICS; INTERACTIVE TERMINAL
Input Media:	ANALOG MAGNETIC TAPE AND PAPER RECORDS
Input Locations:	HAWAIIAN VOLCANO OBSERVATORY
Peripheral Devices:	1 MAGNETIC TAPE; 1 LINE PRINTER; 1 DISK; 1 INTERACTIVE TERMINAL
Related Systems:	HAWAIIAN VOLCANO OBSERVATORY

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DEFORMATION DATA STORAGE,  
REDUCTION, AND ANALYSIS SYSTEM

Definition/Description:

THE SYSTEM USES ANALOG SEISMIC SIGNALS AND RECORDS AS RAW INPUT. SEISMOGRAMS ARE TIMED PRIMARILY FROM DIGITIZED SIGNALS AND SECONDARILY FROM ANALOG RECORDS. TIMING INFORMATION FLOWS INTO A LOCATION MODEL. SUMMARY OUTPUT FROM THE MODEL BECOMES PART OF OUR EARTHQUAKE LOCATION DATA BASE WHICH IS ACCESSIBLE BY NUMEROUS SELECTION, STATISTICAL, REPORTING, AND GRAPHICS PROGRAMS.

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System Name:	SEISMOGRAPH SERVICE CORPORATION
Application Category:	SEISMIC DATA PROCESSING SOFTWARE MISSION SUPPORT; COMPUTATIONAL/STATISTICAL; SCIENTIFIC/TECHNICAL
Contact Person:	TAYLOR, DAVID J.
Address:	U.S. GEOLOGICAL SURVEY GEOLOGIC DIVISION DENVER FEDERAL CENTER MS 960 DENVER, CO 80225
Telephone:	(303) 234-5008 (FTS) 234-5008
Data Bases Accessed:	CDP SEISMIC REFLECTION DATA BASE
Date Implemented:	06/75
Last Modified:	08/80
Expected Application Life:	1990
Application Status:	OPERATIONAL
Annual Operating Costs:	\$100,000
Availability for Use/Access:	LIMITED
Users:	USGS OFFICE OF ENERGY RESOURCES, BRANCH OF OIL AND GAS RESOURCES; USGS OFFICE OF MARINE GEOLOGY, ATLANTIC-GULF OF MEXICO
Frequency of Input:	CONTINUOUSLY
Frequency of Output:	CONTINUOUSLY
Computer Makes and Models:	RAYTHEON RDS-500
Computer Locations:	DENVER, CO
Operating System:	RAYTHEON
Memory Required:	32K (BYTES)
Vendor Software:	SSC 12.4
Languages:	FORTRAN
Output Media:	COMPUTER PRINTOUT; MAGNETIC TAPE
Input Media:	MAGNETIC TAPE; CARDS; TERMINAL
Input Locations:	BRANCH OF OIL AND GAS RESOURCES, DENVER, CO; SEISMIC STRATIGRAPHIC

GEOLOGIC DIVISION  
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Peripheral Devices:                   GROUP OFFICE, DENVER, CO  
                                      3 MAGNETIC TAPE; 2 LINE PRINTER; 1  
                                      CARD PUNCH; 1 DISK; 1 CARD READER

Definition/Description:  
    SYSTEM CONTAINS VARIOUS PROGRAMS TO PERFORM ALL PHASES OF  
    ROUTINE PROCESSING ON COMMON-DEPTH-POINT MULTICHANNEL  
    SEISMIC REFLECTION DATA.

Comments:  
    THIS IS A DEDICATED SYSTEM FOR THE PROCESSING OF COMMON  
    DEPTH POINT MULTICHANNEL SEISMIC REFLECTION DATA.

INFORMATION SYSTEMS DIVISION  
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System Name: EARTH SCIENCE INFORMATION SYSTEM  
Acronym: ESIS  
Application Category: MISSION SUPPORT; MANAGEMENT  
INFORMATION; BIBLIOGRAPHIC  
Contact Person: ALBERT, THEODORE M.  
Address: U.S. GEOLOGICAL SURVEY  
INFORMATION SYSTEMS DIVISION  
115 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6086 (FTS) 928-6086  
Data Bases Accessed: EARTH SCIENCE INFORMATION DATA BASE  
Date Implemented: 06/81  
Last Modified: 07/82  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE AND BATCH  
Users: ALL USGS PERSONNEL  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD  
Computer Locations: RESTON, VA  
Operating System: MVS  
Memory Required: 750K (BYTES)  
Vendor Software: MODEL 204  
Languages: PL/1; MODEL 204  
Output Media: INTERACTIVE TERMINAL; COMPUTER  
PRINTOUT  
Input Media: MAGNETIC TAPE; INTERACTIVE TERMINAL  
Input Locations: ANY INTERACTIVE TERMINAL  
Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
INTERACTIVE TERMINAL; 1 DISK

Definition/Description:

THE EARTH SCIENCE INFORMATION SYSTEM (ESIS) WAS DEVELOPED IN 1981 UNDER THE GUIDANCE OF THE U.S. GEOLOGICAL SURVEY'S OFFICE OF DATA ADMINISTRATION. ESIS SERVES AS A COMPREHENSIVE DATA MANAGEMENT FACILITY DESIGNED TO SUPPORT THE COORDINATION, INTEGRATION, AND STANDARDIZATION OF SCIENTIFIC, TECHNICAL, AND BIBLIOGRAPHIC DATA OF THE U.S. GEOLOGICAL SURVEY. ESIS PROVIDES, THROUGH AN ONLINE INTERACTIVE COMPUTER SYSTEM, A DIRECTORY OR REFERRAL TO INFORMATION ABOUT USGS DATA BASES, DATA ELEMENTS THAT ARE FIELDS IN THE RECORDS OF DATA BASES, AND SYSTEMS. THE DATA BASES CONTAIN INFORMATION ABOUT MANY SUBJECTS FROM SEVERAL SCIENTIFIC DISCIPLINES SUCH AS GEOLOGY,

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SYSTEMS

GEOPHYSICS, GEOCHEMISTRY, HYDROLOGY, CARTOGRAPHY,  
OCEANOGRAPHY, GEOGRAPHY, MINERALS EXPLORATION AND  
CONSERVATION, AND SATELLITE DATA SENSING.

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SYSTEMS

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System Name: AERIAL PHOTOGRAPHY SUMMARY RECORD  
SYSTEM  
Acronym: APSRS  
Application Category: SCIENTIFIC/TECHNICAL  
Contact Person: LAUTERBORN, THOMAS J.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
NATIONAL CARTOGRAPHIC INFORMATION CENTER  
509 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6505 (FTS) 928-6508  
Data Bases Accessed: AERIAL PHOTOGRAPHY SUMMARY RECORD  
SYSTEM FILE  
Date Implemented: 09/75  
Last Modified: 10/76  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Availability for Use/Access: LIMITED  
Access Method: BATCH  
Frequency of Input: WEEKLY  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Operating System: MVS  
Memory Required: 360K (BYTES)  
Languages: PL/1  
Output Media: MAGNETIC TAPE; PRINTER; COM FICHE  
Input Media: MAGNETIC TAPE; CARD READER  
Peripheral Devices: 2 MAGNETIC TAPE; 1 LINE PRINTER; 1  
MICROFORM; 1 DISK; 1 CARD READER  
Definition/Description:  
A DATA BASE OF SUMMARY RECORDS GIVING INFORMATION ON  
AERIAL PHOTOGRAPHY PROJECTS THAT ARE LOCATED AT VARIOUS  
OTHER COMPANIES AND (OR) AGENCIES. THE DATA BASE CONTAINS  
ALL NECESSARY INFORMATION NEEDED BY A USER TO ORDER  
PHOTOGRAPHS FROM THE NUMEROUS CONTRIBUTORS.

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SYSTEMS

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System Name: BLACK HILLS HYDROLOGIC SYSTEM  
Application Category: SPATIAL; SCIENTIFIC/TECHNICAL  
Contact Person: BATTEN, LAWRENCE G.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
APPLICATIONS BRANCH  
EROS DATA CENTER  
SIOUX FALLS, SD 57198  
Telephone: (605) 594-6114 (FTS) 784-7114  
Data Bases Accessed: BLACK HILLS HYDROLOGIC SYSTEM DATA  
BASE  
Application Status: UNDER DEVELOPMENT  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Users: U.S. GEOLOGICAL SURVEY NATIONAL  
MAPPING DIVISION; U.S. GEOLOGICAL  
SURVEY WATER RESOURCES DIVISION  
Frequency of Input: QUARTERLY  
Frequency of Output: WEEKLY  
Computer Makes and Models: HP 3000  
Computer Locations: SIOUX FALLS, SD  
Vendor Software: INTERACTIVE DIGITAL IMAGE  
MANIPULATION SYSTEM (IDIMS)  
Languages: FORTRAN  
Output Media: COMPUTER PRINTOUT; INTERACTIVE  
TERMINAL  
Input Media: MAGNETIC TAPE, INTERACTIVE TERMINAL  
Input Locations: EROS DATA CENTER, SIOUX FALLS, SD  
Peripheral Devices: 1 MAGNETIC TAPE; 1 DISK  
Definition/Description:  
MULTIPLE SPATIAL DATA SETS HAVE BEEN COMPILED INTO A  
HYDROLOGIC INFORMATION SYSTEM FOR THE BLACK HILLS OF SOUTH  
DAKOTA AND WYOMING. THE DATA SETS INCLUDE LANDSAT SCENES,  
DIGITAL TOPOGRAPHY (ALL TYPES), LAND COVER, GEOLOGY,  
DRAINAGE LINES AND DIVIDES, AND STREAM FLOW RECORDS. THE  
SYSTEM FACILITATES THE DERIVATION OF A MORE COMPLETE  
DESCRIPTION OF THE TOTAL HYDROLOGIC PROCESS IN THE BLACK  
HILLS AREA. THE SYSTEM PROVIDES THE CAPABILITY TO TEST  
THE RELATIONSHIPS OF SURFACE CHARACTERISTICS TO  
STATISTICAL INDICES OF STREAM FLOW AND TO BASINWIDE  
ESTIMATES OF EVAPOTRANSPIRATION AND RECHARGE TO THE  
REGIONAL AQUIFERS.



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SYSTEMS

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System Name: DISTRIBUTION OF EXPENDITURES BY  
COUNTY AND CONGRESSIONAL DISTRICTS  
Acronym: DOE/CCD  
Application Category: MANAGEMENT INFORMATION SYSTEM  
Contact Person: WONG, RICHARD B.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
OFFICE OF PROGRAM MANAGEMENT  
511 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6751 (FTS) 928-6751  
Data Bases Accessed: RESOURCES BALANCING SYSTEM;  
CONGRESSIONAL DISTRICT QUADRANGLE  
FILE  
Date Implemented: 12/68  
Last Modified: 06/79  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$1,000  
Availability for Use/Access: LIMITED  
Users: U.S. GEOLOGICAL SURVEY, OFFICE OF  
PROGRAM MANAGEMENT, NATIONAL  
MAPPING DIVISION  
Frequency of Input: ANNUALLY  
Frequency of Output: ANNUALLY  
Computer Makes and Models: AMD V7; HIS MULTICS  
Computer Locations: RESTON, VA  
Operating System: MVS  
Memory Required: 400 (BYTES)  
Languages: PL/1  
Output Media: COMPUTER PRINTOUT  
Input Media: TERMINAL; TAPE  
Input Locations: RESTON, VA  
Peripheral Devices: 4 MAGNETIC TAPE; 1 LINE PRINTER; 1  
DISK; 1 INTERACTIVE TERMINAL  
Related Systems: RESOURCES BALANCING SYSTEM  
Definition/Description:  
THE FUNCTION OF THE DISTRIBUTION OF EXPENDITURES BY  
COUNTIES AND CONGRESSIONAL DISTRICTS PROCEDURE IS THE  
EQUITABLE DISTRIBUTION OF MAPPING EXPENDITURES FOR THE  
PAST YEAR, THE CURRENT YEAR, AND THE IMPENDING YEAR  
ACCORDING TO COUNTIES AND CONGRESSIONAL DISTRICTS.

NATIONAL MAPPING DIVISION  
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System Name: GEOGRAPHIC INFORMATION RETRIEVAL  
AND ANALYSIS SYSTEM  
Acronym: GIRAS  
Application Category: SCIENTIFIC/TECHNICAL  
Contact Person: ANDERSON, ERIC  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
521 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6251 (FTS) 928-6251  
Data Bases Accessed: LAND USE AND LAND COVER  
Date Implemented: 01/75  
Last Modified: 01/80  
Expected Application Life: 1990  
Application Status: OPERATIONAL  
Annual Operating Costs: \$50,000  
Availability for Use/Access: LIMITED  
Users: U.S. GEOLOGICAL SURVEY NATIONAL  
MAPPING DIVISION; LOUISIANA STATE  
PLANNING OFFICE; UNIVERSITY OF  
SOUTH CAROLINA  
Frequency of Input: DAILY  
Frequency of Output: DAILY  
Computer Makes and Models: AMD V/7  
Computer Locations: RESTON, VA  
Memory Required: 600K (BYTES)  
Vendor Software: CALCOMP  
Languages: FORTRAN  
Output Media: TAPE; PAPER; PLOTS  
Input Media: TAPE  
Input Locations: RESTON, VA  
Definition/Description:  
THE U.S. GEOLOGICAL SURVEY IS CURRENTLY PRODUCING LAND USE  
AND LAND COVER MAPS AND ASSOCIATED OVERLAYS (FOR EXAMPLE,  
POLITICAL UNITS) FOR THE UNITED STATES. THESE MAPS ARE  
BEING DIGITIZED, EDITED, AND INCORPORATED INTO A DIGITAL  
DATA BASE. THE DATA WILL BE AVAILABLE TO THE PUBLIC IN  
BOTH GRAPHIC AND DIGITAL FORM, AND STATISTICS DERIVED FROM  
THE DATA WILL BE PUBLISHED. TO ACCOMPLISH THESE TASKS,  
THE GEOGRAPHIC INFORMATION RETRIEVAL AND ANALYSIS SYSTEM  
(GIRAS) HAS BEEN DESIGNED AND DEVELOPED. GIRAS IS DESIGNED  
TO ACCEPT DIGITIZER INPUT, PROVIDE COMPREHENSIVE EDITING  
FACILITIES, PRODUCE CARTOGRAPHIC AND STATISTICAL OUTPUT,  
PERMIT RETRIEVAL AND ANALYSIS OF DATA, AND EXERCISE DATA  
BASE MANAGEMENT TASKS. THE EDITING AND OUTPUT PROCEDURES

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ARE CURRENTLY OPERATIONAL AND UTILIZE AN ARC SEGMENT POLYGON APPROACH IN A PRODUCTION MODE. THE SYSTEM INCORPORATES FACILITIES FOR GRIDDING THE POLYGON DATA TO MAKE THEM COMPATIBLE WITH GRID-BASED DATA SOURCES. CURRENT SYSTEM DEVELOPMENT IS FOCUSED ON AN INTERACTIVE DATA BASE TO ENABLE IMMEDIATE RETRIEVAL AND DISPLAY OF MAP INFORMATION. USERS WILL BE ABLE TO SEARCH FOR EITHER LOCATIONS OR ATTRIBUTES AND DISPLAY RESULTS IN GRAPHIC OR TABULAR FORM.

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System Name:	GEOGRAPHIC NAMES INFORMATION SYSTEM
Acronym:	GNIS
Application Category:	MISSION SUPPORT; COMPUTATIONAL/STATISTICAL; SPATIAL; BIBLIOGRAPHIC
Contact Person:	PAYNE, ROGER L.
Address:	U.S. GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION OFFICE OF GEOGRAPHIC RESEARCH BRANCH OF GEOGRAPHIC NAMES 523 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6261 (FTS) 928-6261
Data Bases Accessed:	GEOGRAPHIC NAMES DATA BASE; NATIONAL ATLAS DATA BASE; TOPOGRAPHIC MAPS; DESIGNATORS/GENERIC DATA BASE; BOARD ON GEOGRAPHIC NAMES
Date Implemented:	09/71
Last Modified:	04/81
Expected Application Life:	CONTINUOUS
Application Status:	OPERATIONAL
Availability for Use/Access:	LIMITED
Access Method:	INTERACTIVE AND BATCH
Users:	U.S. GEOLOGICAL SURVEY MAPPING CENTERS; OTHER USGS DIVISIONS; OTHER FEDERAL, STATE, AND MUNICIPAL AGENCIES; BUSINESS AND INDUSTRY; EDUCATIONAL INSTITUTIONS AND THE ACADEMIC COMMUNITY; PRIVATE INDIVIDUALS
Frequency of Input:	CONTINUOUSLY
Frequency of Output:	CONTINUOUSLY
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA

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Operating System:	MVS
Memory Required:	175K (BYTES)
Vendor Software:	GIPSY
USGS Software:	DATA TRANSFORMATION PROGRAM; UTILITY SOFTWARE
Languages:	ASSEMBLER; PL/1; FORTRAN; EASYTRIEVE; TARUS
Output Media:	COMPUTER PRINTOUT; MAGNETIC TAPE; MICROFICHE; INTERACTIVE TERMINAL
Input Media:	MAGNETIC TAPE; PUNCHED CARDS; INTERACTIVE TERMINAL
Input Locations:	BRANCH OF GEOGRAPHIC NAMES, RESTON, VA
Peripheral Devices:	12 MAGNETIC TAPE; 1 LINE PRINTER; 1 MICROFILM; 1 CARD PUNCH; 3 DISK; 1 CARD READER; 12 INTERACTIVE TERMINAL

Definition/Description:

THE GEOGRAPHIC NAMES INFORMATION SYSTEM (GNIS) WAS DEVELOPED TO MEET MAJOR NATIONAL NEEDS. THE SYSTEM WILL (1) ASSIST IN ESTABLISHING UNIFORM NAME USAGE THROUGHOUT THE FEDERAL GOVERNMENT IN COOPERATION WITH STATE AND LOCAL GOVERNMENTS AND THE PUBLIC, (2) PROVIDE AN INDEX OF NAMES FOUND ON FEDERAL, STATE, AND PRIVATE MAPS, (3) ELIMINATE DUPLICATION AND THE NEED TO SPEND LARGE AMOUNTS OF MONEY AND TIME BY GOVERNMENT AGENCIES, INDUSTRY, AND INSTITUTIONS TO ORGANIZE SIMILAR BASIC DATA FILES FOR SPECIFIC NEEDS, (4) PROVIDE FOR STANDARDIZATION OF DATA ELEMENTS AND THEIR CODED REPRESENTATION FOR USE IN INFORMATION INTERCHANGE WITHIN THE INFORMATION PROCESSING COMMUNITY, AND (5) MEET FEDERAL PUBLIC INFORMATION REQUIREMENTS PRESCRIBED BY LAW. GNIS FURNISHES DATA TO TWO KINDS OF USERS: (1) THOSE WHO USE THE INFORMATION FOR REFERENCE PURPOSES AND (2) THOSE WHO USE THE FILE AS A BASE OR SUBSET FOR OTHER SPECIALIZED FILES. THE SYSTEM PROVIDES BASIC AND, IN SOME CASES, DETAILED INFORMATION ON ABOUT 2,000,000 NAMES IN THE UNITED STATES AND ITS TERRITORIES, U.S. GEOLOGICAL SURVEY TOPOGRAPHIC MAP NAMES, TYPES AND CATEGORIES OF NAMES, AND DECISIONS BY THE U.S. BOARD ON GEOGRAPHIC NAMES. THE SYSTEM IS CONTINUALLY EXPANDED BY ADDING NEW NAMES AND MORE DETAILED INFORMATION TO EXISTING ENTRIES AS WELL AS BY ADDING NEW CATEGORIES OF INFORMATION.

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SYSTEMS

Comments:

THE SYSTEM CONTAINS FIVE DATA BASES THREE OF WHICH WERE DEVELOPED IN SUPPORT OF THE GEOGRAPHIC NAMES DATA BASE. HOWEVER, THESE DATA BASES HAVE BECOME SELF SUPPORTING AND USABLE ON THEIR OWN. THE LARGEST AND MOST WIDELY USED IS THE GEOGRAPHIC NAMES DATA BASE. ALL OF THE USER COMMUNITY NOW UTILIZES ALL FIVE DATA BASES.

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System Name: INQUIRY, ORDER AND ACCOUNTING  
SYSTEM  
Acronym: INORAC  
Application Category: MISSION SUPPORT; MANAGEMENT  
INFORMATION SYSTEM  
Contact Person: THOMPSON, R. J.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
EROS DATA CENTER  
MUNDT FEDERAL BUILDING  
SIOUX FALLS, SD 57298  
Telephone: (605) 594-6511 EXT 555 (FTS) 784-7555  
Data Bases Accessed: MAIN IMAGE FILE  
Date Implemented: 12/76  
Last Modified: 01/82  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Availability for Use/Access: UNLIMITED  
Users: DEPARTMENT OF AGRICULTURE;  
NATIONAL AERONAUTICS AND SPACE  
ADMINISTRATION; NATIONAL OCEANIC  
AND ATMOSPHERIC ADMINISTRATION;  
U.S. GEOLOGICAL SURVEY NATIONAL  
CARTOGRAPHIC INFORMATION CENTER  
(CURRENTLY FOUR LOCATIONS); CANADA  
CENTER FOR REMOTE SENSING; DEFENSE  
MAPPING AGENCY; ENVIRONMENTAL  
PROTECTION AGENCY; U.S. ARMY CORPS  
OF ENGINEERS; U.S. FISH AND  
WILDLIFE SERVICE; WORLD BANK; U.S.  
GEOLOGICAL SURVEY  
Frequency of Input: CONTINUOUSLY  
Frequency of Output: CONTINUOUSLY  
Computer Makes and Models: BUR B6700  
Computer Locations: SIOUX FALLS, SD  
Operating System: BURROUGHS OPERATING SYSTEM  
Vendor Software: DMS II  
Languages: COBOL; ALGOL; PL/1

NATIONAL MAPPING DIVISION  
SYSTEMS

Output Media: MAGNETIC TAPE; INTERACTIVE  
TERMINAL; COMPUTER PRINTOUT  
Input Media: MAGNETIC TAPE; INTERACTIVE  
TERMINAL; PUNCHED CARDS  
Input Locations: U.S. GEOLOGICAL SURVEY NATIONAL  
CARTOGRAPHIC INFORMATION CENTER;  
FOUR U.S. GEOLOGICAL SURVEY  
MAPPING CENTERS; NATIONAL SPACE  
TECHNOLOGY LABORATORIES  
Peripheral Devices: 6 MAGNETIC TAPE; 2 LINE PRINTER; 1  
CARD PUNCH; 16 DISK; 1 CARD  
READER; 45 INTERACTIVE TERMINAL  
Related Systems: MAP SALES ACCOUNTING; EROS DATA  
CENTER DIGITAL IMAGE PROCESSING  
SYSTEM

Definition/Description:  
THE SYSTEM ALLOWS INTERACTIVE QUERYING OF A DATA BASE  
DESCRIBING REMOTELY SENSED DATA PRODUCTS TO DETERMINE  
AVAILABILITY AND OTHER PRODUCT CHARACTERISTICS OF  
INTEREST. THE SYSTEM PERMITS A PRODUCT TO BE ORDERED,  
ACCOUNTS FOR COST PAYMENTS, AND INPUTS DATA TO THE EROS  
DATA CENTER PRODUCTION PROCESSES.

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System Name: MAIN IMAGE FILE  
Acronym: MIF  
Contact Person: THOMPSON, R. J.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
EROS DATA CENTER  
MUNDT FEDERAL BUILDING  
SIOUX FALLS, SD 57198  
Telephone: (605) 594-6511 EXT 555 (FTS) 784-7555  
Date Implemented: 02/76  
Last Modified: 02/80  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$750,000  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Users: DEPARTMENT OF AGRICULTURE;  
NATIONAL AERONAUTICS AND SPACE  
ADMINISTRATION; NATIONAL OCEANIC  
AND ATMOSPHERIC ADMINISTRATION;  
U.S. GEOLOGICAL SURVEY NATIONAL  
CARTOGRAPHIC INFORMATION CENTERS  
(CURRENTLY FOUR LOCATIONS);

NATIONAL MAPPING DIVISION  
SYSTEMS

Frequency of Input:	DEFENSE MAPPING AGENCY;
Frequency of Output:	ENVIRONMENTAL PROTECTION AGENCY;
Computer Makes and Models:	U.S. ARMY CORPS OF ENGINEERS; U.S.
Computer Locations:	FISH AND WILDLIFE SERVICE; WORLD
Operating System:	BANK; U.S. GEOLOGICAL SURVEY;
Memory Required:	CANADA CENTER FOR REMOTE SENSING
Vendor Software:	AS REQUIRED
USGS Software:	CONTINUOUSLY
Languages:	BUR 6700
Output Media:	SIOUX FALLS, SD 57198
Input Media:	MCP 3.1
Input Locations:	1400K (BYTES)
	DMS II
	INORAC
	PL/1; ALGOL; COBOL
	INTERACTIVE TERMINAL; PRINTOUT
	INTERACTIVE TERMINAL; PUNCHED CARDS
	EROS DATA CENTER, ALL MAEROS DATA
	CENTERS, ALL MAPPING CENTERS;
	U.S. GEOLOGICAL SURVEY NATIONAL
	CARTOGRAPHIC INFORMATION CENTER
	(NCIC); NCIC STATE AFFILIATES, AND
	NONFEDERAL GOVERNMENT AGENCIES

Definition/Description:

REFER TO DESCRIPTION IN MAIN IMAGE FILE DATA BASE.

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System Name:	MAP AND CHART INFORMATION SYSTEM
Acronym:	MCIS
Application Category:	SPATIAL
Contact Person:	CAVANAUGH, DANIEL K.
Address:	U.S. GEOLOGICAL SURVEY
	NATIONAL MAPPING DIVISION
	NATIONAL CARTOGRAPHIC INFORMATION CENTER
	509 NATIONAL CENTER
	RESTON, VA 22092
Telephone:	(703) 860-6727 (FTS) 928-6727
Data Bases Accessed:	MAP AND CHART INFORMATION SYSTEM
	FILE
Date Implemented:	03/79
Last Modified:	10/79
Expected Application Life:	CONTINUOUS
Application Status:	OPERATIONAL
Availability for Use/Access:	LIMITED
Access Method:	BATCH
Users:	U.S. GEOLOGICAL SURVEY NATIONAL
	CARTOGRAPHIC INFORMATION CENTER

NATIONAL MAPPING DIVISION  
SYSTEMS

(NCIC) HEADQUARTERS; MAPPING  
CENTER NCIC OFFICES

Frequency of Input: WEEKLY  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Operating System: MVS  
Memory Required: 600K (BYTES)  
Vendor Software: SEQUENTIAL FILE  
Languages: PL/1; DISSPLA  
Output Media: COMPUTER PRINTOUT; MAGNETIC TAPE;  
INTERACTIVE TERMINAL  
Input Media: PUNCHED CARDS; INTERACTIVE  
TERMINAL; MAGNETIC TAPE  
Input Locations: ALL U.S. GEOLOGICAL SURVEY MAPPING  
CENTERS; U.S. GEOLOGICAL SURVEY  
HEADQUARTERS  
Peripheral Devices: 2 MAGNETIC TAPE; 1 LINE PRINTER; 1  
MICROFORM; 1 RJE STATION; 1 DISK;  
1 CARD READER; 1 INTERACTIVE  
TERMINAL

Definition/Description:

THE MAP AND CHART INFORMATION SYSTEM STORES, RETRIEVES,  
AND DISPLAYS INFORMATION ABOUT DOMESTIC MAPS AND CHARTS.  
INFORMATION IS GATHERED BOTH FROM KNOWN TRANSLATABLE  
COMPUTER FILES AND FROM PHYSICALLY ENCODING DESCRIPTORS  
FROM SELECTED SOURCE MATERIAL. DATA DESCRIPTORS INCLUDE  
TITLE, SCALE, PRODUCER, GEOGRAPHIC AREA, INSET  
INFORMATION, GRIDS, CONTOUR INTERVALS, AND MICROFILM  
STORAGE LOCATION. INTERACTIVELY DEVELOPED SEARCH CRITERIA  
AND OUTPUT SPECIFICATIONS ARE USED TO EXECUTE A SEQUENTIAL  
SEARCH OF UP TO 25 SIMULTANEOUS QUERIES.

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System Name: RESOURCES BALANCING SYSTEM  
Acronym: RBS  
Application Category: MANAGEMENT INFORMATION  
Contact Person: WONG, RICHARD B.  
Address: U.S. GEOLOGICAL SURVEY  
NATIONAL MAPPING DIVISION  
511 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6217 (FTS) 928-6217  
Data Bases Accessed: PRODUCTION FILE  
Date Implemented: 01/66  
Last Modified: 01/78  
Expected Application Life: 1986



NATIONAL MAPPING DIVISION  
SYSTEMS

Application Status: OPERATIONAL  
Annual Operating Costs: \$5,000  
Availability for Use/Access: UNLIMITED  
Access Method: BOTH BATCH AND INTERACTIVE  
Users: U.S. GEOLOGICAL SURVEY NATIONAL  
MAPPING DIVISION USERS IN FOUR  
REGIONAL OFFICES AND HEADQUARTERS  
Frequency of Input: QUARTERLY  
Frequency of Output: QUARTERLY  
Computer Makes and Models: AMD  
Computer Locations: RESTON, VA  
Operating System: MVS  
Memory Required: 360K (BYTES)  
Languages: FORTRAN; PL/1; EASYTRIEVE; SAS  
Output Media: HIGH-SPEED PRINTER  
Input Media: CARD PUNCH, INTERACTIVE TERMINALS  
Input Locations: RESTON, VA; ROLLA, MO; DENVER, CO;  
MENLO PARK, CA  
Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
INTERACTIVE TERMINAL  
Related Systems: DISTRIBUTION OF EXPENDITURES BY  
COUNTY AND CONGRESSIONAL DISTRICTS  
Definition/Description:  
THIS PROCEDURE IS USED TO DEVELOP AN INTERMEDIATE-RANGE  
AND LONG-RANGE OPERATIONS PROGRAM FOR MAPPING. PROJECTS  
ARE SCHEDULED TO COMPLETION IN COARSE TIME PERIODS (FISCAL  
QUARTERS). RESOURCE REQUIREMENTS ARE DERIVED THROUGH THE  
APPLICATION OF RATE TABLES. WORK IS BALANCED AGAINST  
AVAILABLE RESOURCES.

WATER RESOURCES DIVISION  
SYSTEMS

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System Name: CENTRAL LABORATORY SYSTEM  
Application Category: MISSION SUPPORT;  
SCIENTIFIC/TECHNICAL  
Contact Person: FELTZ, HERMAN  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
412 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6834 (FTS) 928-6834  
Date Implemented: 01/72  
Last Modified: 09/83  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$300,000  
Availability for Use/Access: UNLIMITED  
Access Method: INTERACTIVE  
Users: U.S. GEOLOGICAL SURVEY; U.S.  
GEOLOGICAL SURVEY WATER RESOURCES  
DIVISION; STATE WATER RESOURCE  
AGENCIES  
Frequency of Input: DAILY  
Frequency of Output: TWICE A WEEK  
Computer Makes and Models: AMD  
Computer Locations: RESTON, VA  
Languages: FORTRAN  
Output Media: INTERACTIVE TERMINAL  
Input Media: INTERACTIVE TERMINAL  
Input Locations: WATER RESOURCES DIVISION'S 45  
DISTRICT OFFICES  
Related Systems: NATIONAL WATER DATA STORAGE AND  
RETRIEVAL SYSTEM  
Definition/Description:  
THE CENTRAL LABORATORY SYSTEM IS AN AUTOMATED LABORATORY  
ANALYSIS SYSTEM THAT PERFORMS WATER QUALITY ANALYSIS FOR  
ALL WATER RESOURCES DIVISION FIELD OFFICES. BOTH THE  
ORGANIC AND THE INORGANIC CONSTITUENTS OF WATER SAMPLES  
ARE DETERMINED, AND THE VALUES ARE STORED FOR EVENTUAL  
ENTRY INTO WATSTORE.

WATER RESOURCES DIVISION  
SYSTEMS

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System Name: MANAGEMENT INFORMATION SYSTEM  
Acronym: MIS  
Application Category: MISSION SUPPORT;  
SCIENTIFIC/TECHNICAL; MANAGEMENT  
INFORMATION; BIBLIOGRAPHIC  
Contact Person: LOWELL, SUSAN  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
405 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6861 (FTS) 928-6861  
Data Bases Accessed: PROJECTS; REPORTS TRACKING SYSTEM;  
HISTORIC; MEMOS  
Date Implemented: 01/73  
Last Modified: 01/80  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$300,000  
Availability for Use/Access: UNLIMITED  
Access Method: BATCH  
Users: U.S. GEOLOGICAL SURVEY WATER  
RESOURCES DIVISION; U.S.  
GEOLOGICAL SURVEY (ESPECIALLY  
DIRECTOR'S OFFICE); LOCAL  
GOVERNMENT; PRIVATE INDUSTRY  
Frequency of Input: CONTINUOUSLY  
Frequency of Output: CONTINUOUSLY  
Computer Makes and Models: AMD 470 V/7  
Computer Locations: RESTON, VA  
Operating System: IBM MVS  
Memory Required: 1000K (BYTES)  
Vendor Software: S2K; GIPSY  
USGS Software: JANUS  
Languages: PL/I; SAS  
Output Media: LINE PRINTER; INTERACTIVE  
TERMINAL; MICROFICHE  
Input Media: MAGNETIC TAPE; INTERACTIVE  
TERMINALS  
Input Locations: ALL WATER RESOURCES DIVISION  
LOCATIONS  
Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
MICROFORM; 1 DISK; 1 INTERACTIVE  
TERMINAL

WATER RESOURCES DIVISION  
SYSTEMS

Definition/Description:

MAINTAINS INFORMATION ABOUT WATER RESOURCES DIVISION (WRD)  
AND OTHER GOVERNMENTAL HYDROLOGIC PROJECTS AND WRD MEMOS

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System Name:	NATIONAL WATER DATA EXCHANGE
Acronym:	NAWDEX
Application Category:	SCIENTIFIC/TECHNICAL; SPATIAL
Contact Person:	WILLIAMS, OWEN O.
Address:	U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION 421 NATIONAL CENTER RESTON, VA 22092
Telephone:	(703) 860-6031 (FTS) 928-6031
Data Bases Accessed:	DEFINITIONS OF COMPONENTS OF THE MASTER WATER DATA INDEX MAINTAINED BY NAWDEX; DEFINITIONS OF COMPONENTS OF THE WATER DATA SOURCES DIRECTORY MAINTAINED BY NAWDEX; DIRECTORY OF LOCAL ASSISTANCE CENTERS OF THE NAWDEX; FIRST NAWDEX MEMBERSHIP CONFERENCE PROCEEDINGS; GENERALIZED RETRIEVAL SYSTEM HEADING FILE; MASTER WATER DATA INDEX; MASTER WATER DATA INDEX CONGRESSIONAL DISTRICTS TABLE; MASTER WATER DATA INDEX LATITUDE-LONGITUDE TABLE; NAWDEX WATER QUALITY PARAMETER FILE; PARTIAL AND FULL-STATE DIGITIZED HYDROLOGIC UNIT LINES AND DATA BASE; WATER DATA SOURCES DIRECTORY 01/76
Date Implemented:	01/76
Expected Application Life:	CONTINUOUS
Application Status:	OPERATIONAL
Annual Operating Costs:	\$1,200,000
Availability for Use/Access:	UNLIMITED
Users:	SUSQUEHANNA RIVER BASIN COMMISSION; TEXAS NATURAL RESOURCES INFORMATION SYSTEM; U.S. ARMY CORPS OF ENGINEERS; SOIL CONSERVATION SERVICE; ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION; TENNESSEE VALLEY AUTHORITY; SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT; BUREAU OF LAND MANAGEMENT; U.S. PARK

WATER RESOURCES DIVISION  
SYSTEMS

SERVICE; BUREAU OF RECLAMATION;  
AGRICULTURAL RESEARCH SERVICE;  
GREAT LAKES BASIN COMMISSION;  
LAWRENCE LIVERMORE LABORATORY;  
U.S. NUCLEAR REGULATORY  
COMMISSION; U.S. FISH AND WILDLIFE  
SERVICE; UTAH DIVISION OF WATER  
RIGHTS; ILLINOIS INSTITUTE OF  
NATURAL RESOURCES; FEDERAL  
REGULATORY COMMISSION; OFFICE OF  
SURFACE MINING; VERMONT DEPT OF  
WATER RESOURCES; MONTANA WATER  
RESOURCES RESEARCH CENTER;  
BROOKHAVEN NATIONAL LABORATORY;  
WYOMING WATER RESOURCES RESEARCH  
INSTITUTE; STATE GEOLOGICAL  
SURVEYS; PRIVATE COMPANIES;  
INDIVIDUALS

Frequency of Input: WEEKLY  
Frequency of Output: DAILY  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Memory Required: 4000 (BYTES)  
Vendor Software: INTEL S2000; HASP II  
Languages: PL/1; COBOL; FORTRAN  
Output Media: INTERACTIVE TERMINAL; PUNCHED  
CARDS; COMPUTER PRINTOUT  
Input Media: MAGNETIC TAPE; INTERACTIVE  
TERMINAL; PUNCHED CARDS  
Input Locations: MORE THAN 100 LOCATIONS NATIONWIDE  
Related Systems: NATIONAL WATER DATA STORAGE AND  
RETRIEVAL SYSTEM; TEXAS NATIONAL  
RESOURCES INFORMATION SYSTEM

Definition/Description:

NAWDEX PROVIDES A NATIONWIDE INDEXING SERVICE. THIS  
COMPUTERIZED INDEX IDENTIFIES OVER 375,000 SITES FOR WHICH  
WATER DATA ARE AVAILABLE FROM OVER 410 ORGANIZATIONS, THE  
GEOGRAPHIC LOCATIONS OF THESE SITES, THE COLLECTING  
ORGANIZATIONS, THE TYPES OF DATA AVAILABLE, THE PERIODS OF  
TIME FOR WHICH DATA ARE AVAILABLE, THE MAJOR PARAMETERS  
AND THE FREQUENCIES OF MEASUREMENT, AND THE MEDIA ON WHICH  
THE DATA ARE STORED.

WATER RESOURCES DIVISION  
SYSTEMS

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System Name: NATIONAL WATER DATA STORAGE AND  
RETRIEVAL SYSTEM  
Acronym: WATSTORE  
Application Category: SCIENTIFIC/TECHNICAL  
Contact Person: SHOWEN, CHARLES R.  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
437 NATIONAL CENTER  
RESTON, VA 22092  
Telephone: (703) 860-6879 (FTS) 928-6879  
Data Bases Accessed: AGENCY CODE FILE; AUTOMATIC  
DIGITAL RECORDER TAPES; BIOLOGICAL  
ANALYSES OF WATER SAMPLES;  
BIOLOGICAL ORGANISM NAME FILE;  
DAILY VALUES FILE; DAILY VALUES  
TRANSACTION FILE; DATA COLLECTION  
PLATFORM (DCP) MANAGEMENT  
INFORMATION FILE; DEFINITIONS DATA  
BASE; GEOLOGIC UNIT FILE; GOES  
DATA COLLECTION SYSTEM FILE;  
GROUNDWATER SITE INVENTORY;  
LANDSAT DATA COLLECTION SYSTEM  
FILE; MULTICS DATA COLLECTION  
PLATFORM SYSTEM FILE; NATIONAL  
WATER USE DATA SYSTEM; PARAMETER  
CODE DICTIONARY FILE; PARTIAL AND  
FULL-STATE DIGITIZED HYDROLOGIC  
UNIT LINES AND DATA BASE; PEAK  
FLOW FILE; RATING TABLE FILE;  
STATION HEADER FILE; STREAM FLOW  
BASIN CHARACTERISTICS FILE; TIME  
OF TRAVEL FILE; UNIT VALUES FILE;  
WATER QUALITY DATA FILE; WATSTORE  
REAL-TIME FRONT-END HYDROLOGIC  
DATA PROCESSING SYSTEM; WATER  
RESOURCES DIVISION COUNTY CODE FILE  
Date Implemented: 12/71  
Last Modified: 12/80  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$1,400,000  
Availability for Use/Access: UNLIMITED  
Users: USGS WATER RESOURCES DIVISION  
FIELD OFFICES; OTHER FEDERAL AND  
STATE AGENCIES; UNIVERSITIES;  
CONSULTING ENGINEERS; PLANNERS  
Frequency of Input: DAILY

WATER RESOURCES DIVISION  
SYSTEMS

Frequency of Output: DAILY  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Vendor Software: INTEL S2000  
Languages: PL/1; COBOL; FORTRAN  
Output Media: INTERACTIVE TERMINAL; COMPUTER  
PRINTOUT  
Input Media: INTERACTIVE TERMINAL; RJE DEVICES;  
PUNCHED CARDS; MAGNETIC TAPE; DISK  
Input Locations: WATER RESOURCES DIVISION DISTRICT  
AND SUBDISTRICT OFFICES; FIELD  
HEADQUARTERS; FIELD UNITS  
Related Systems: ENVIRONMENTAL PROTECTION AGENCY'S  
STORET SYSTEM

Definition/Description:

THE U.S. GEOLOGICAL SURVEY, THROUGH ITS WATER RESOURCES DIVISION, INVESTIGATES THE OCCURRENCE, QUANTITY, QUALITY, DISTRIBUTION, AND MOVEMENT OF THE SURFACE AND UNDERGROUND WATERS THAT COMPRISE THE NATION'S WATER RESOURCES. IT IS THE PRINCIPAL FEDERAL WATER DATA AGENCY AND, AS SUCH, COLLECTS AND DISSEMINATES ABOUT 70 PERCENT OF THE WATER DATA CURRENTLY BEING USED BY NUMEROUS STATE, LOCAL, PRIVATE, AND OTHER FEDERAL AGENCIES TO DEVELOP AND MANAGE OUR WATER RESOURCES. AS PART OF THE GEOLOGICAL SURVEY'S PROGRAM OF RELEASING WATER DATA TO THE PUBLIC, A LARGE-SCALE COMPUTERIZED SYSTEM HAS BEEN DEVELOPED FOR THE STORAGE AND RETRIEVAL OF WATER DATA COLLECTED THROUGH ITS ACTIVITIES. THE NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM (WATSTORE) WAS ESTABLISHED IN NOVEMBER 1971 TO MODERNIZE THE GEOLOGICAL SURVEY'S EXISTING WATER-DATA-PROCESSING PROCEDURES AND TECHNIQUES AND TO PROVIDE FOR MORE EFFECTIVE AND EFFICIENT MANAGEMENT OF ITS DATA-RELEASING ACTIVITIES. THE SYSTEM IS OPERATED AND MAINTAINED ON THE CENTRAL COMPUTER FACILITIES OF THE SURVEY AT ITS NATIONAL CENTER IN RESTON, VA. DATA MAY BE OBTAINED FROM WATSTORE THROUGH ANY OF THE WATER RESOURCES DIVISION'S 45 DISTRICT OFFICES.

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System Name: NEW MEXICO ANNUAL OBSERVATION WELL  
FILE  
Application Category: MISSION SUPPORT;  
COMPUTATIONAL/STATISTICAL;  
SCIENTIFIC/TECHNICAL; SPATIAL  
Contact Person: HUDSON, JAMES  
Address: U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION

WATER RESOURCES DIVISION  
SYSTEMS

505 MARQUETTE, NW.  
ALBUQUERQUE, NM 87102  
Telephone: (505) 766-2011 (FTS) 474-2011  
Data Bases Accessed: ANNUAL OBSERVATION WELL FILE  
Date Implemented: 06/79  
Last Modified: 06/79  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$3,000  
Availability for Use/Access: LIMITED  
Users: U.S. GEOLOGICAL SURVEY; NEW MEXICO  
STATE ENGINEER; INTERESTED PRIVATE  
PARTIES  
Frequency of Input: CONTINUOUSLY  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: PRIME 750  
Computer Locations: ALBUQUERQUE, NM  
Operating System: PRIMOS  
Memory Required: 100K (BYTES)  
USGS Software: MISC MODULES  
Languages: FORTRAN  
Output Media: COMPUTER PRINTOUT; INTERACTIVE  
TERMINAL; MAGNETIC TAPE  
Input Media: INTERACTIVE TERMINAL  
Input Locations: WATER RESOURCES DIVISION NEW  
MEXICO DISTRICT OFFICES  
Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
DISK; 1 INTERACTIVE TERMINAL  
Definition/Description:  
THIS SYSTEM IS USED TO INPUT, PROCESS, AND OUTPUT WELL  
DATA OBTAINED THROUGH FIELD MEASUREMENTS.  
Comments:  
SOFTWARE MODULES INCLUDE SORTING ROUTINES (BY WELL NUMBER,  
BY BASIN, BY LOCATION, AND SO ON), ANNUAL REPORT  
GENERATOR, HYDROGRAPH GENERATOR (RUNS ON ZETA PLOTTER).



BUREAU OF LAND MANAGEMENT  
SYSTEMS

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System Name: COMPUTERIZED ONSHORE MONTHLY  
ENGINEERING REPORT  
Acronym: COMER  
Contact Person: JOHNSTON, DERYL  
Address: BUREAU OF LAND MANAGEMENT  
1717 H STREET  
WASHINGTON, DC 20006  
Telephone: (202) 653-2143 (FTS) 653-2143  
Data Bases Accessed: COMPUTERIZED ONSHORE MONTHLY  
ENGINEERING REPORT  
Date Implemented: 01/76  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$40,000  
Availability for Use/Access: NOT AVAILABLE  
Users: BUREAU OF LAND MANAGEMENT FIELD  
OFFICES  
Frequency of Input: MONTHLY  
Frequency of Output: QUARTERLY  
Computer Makes and Models: AMD  
Operating System: MVS  
Memory Required: 148K (BYTES)  
Vendor Software: GIPSY  
Languages: QUESTRAN; PL/1  
Output Media: COMPUTER PRINTOUT  
Input Media: INTERACTIVE TERMINAL  
Input Locations: WASHINGTON, DC  
Definition/Description:  
COMER PROVIDES THE BUREAU OF LAND MANAGEMENT WITH THE  
ABILITY TO ANALYZE AND EFFECTIVELY ADMINISTER THE ONSHORE  
LEASE MANAGEMENT PROGRAM. PROVIDED ALSO IS A CAPACITY TO  
MEASURE AND PROJECT PROGRAM ACCOMPLISHMENTS FOR BUDGETARY  
AND MANAGEMENT NEEDS.

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System Name: COMPUTERIZED ONSHORE RECORD OF  
EVENTS  
Acronym: CORE  
Contact Person: JOHNSTON, DERYL  
Address: BUREAU OF LAND MANAGEMENT  
1717 H STREET  
WASHINGTON, DC 20006  
Telephone: (202) 653-2143 (FTS) 653-2143

BUREAU OF LAND MANAGEMENT  
SYSTEMS

Data Bases Accessed: ONSHORE RECORD OF EVENTS  
Date Implemented: 01/74  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$6,000  
Availability for Use/Access: LIMITED  
Users: REGIONAL AREA; DISTRICT OIL AND  
GAS SUPERVISORS; BUREAU OF LAND  
MANAGEMENT STATE AND DISTRICT  
OFFICES  
Frequency of Input: MONTHLY  
Computer Makes and Models: AMD  
Operating System: MVS  
Memory Required: 150K (BYTES)  
Vendor Software: GIPSY  
Languages: QUESTRAN  
Output Media: COMPUTER PRINTOUT; INTERACTIVE  
TERMINAL  
Input Media: INTERACTIVE TERMINAL  
Input Locations: WASHINGTON, DC  
Definition/Description:  
CORE PROVIDES THE MANAGEMENT OF THE BUREAU OF LAND  
MANAGEMENT (BLM) DECISION TYPE INFORMATION WITH RESPECT TO  
THE NUMBERS, TYPES, CAUSES, AND EFFECTS OF UNDESIRABLE  
EVENTS OCCURRING ON ONSHORE OIL AND GAS LANDS UNDER BLM  
SUPERVISION.

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System Name: GEOTHERMAL COMPETITIVE BIDDING  
HISTORY SYSTEM  
Acronym: GCBHS  
Application Category: MANAGEMENT INFORMATION  
Contact Person: MACIOLEK, HERBERT  
Address: BUREAU OF LAND MANAGEMENT  
BRANCH OF INFORMATION SERVICES  
STATE OFFICE CALIFORNIA  
2800 COTTAGE WAY  
SACRAMENTO, CA 95825  
Telephone: (916) 484-4008 (FTS) 468-4008  
Data Bases Accessed: BIDDING HISTORY SYSTEM FILES  
Date Implemented: 06/78  
Last Modified: 02/79  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$500  
Availability for Use/Access: LIMITED  
Users: DCM GEOTHERMAL OFFICE

BUREAU OF LAND MANAGEMENT  
SYSTEMS

Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: DATAPOINT 5500  
Computer Locations: SACRAMENTO, CA  
Operating System: DATASHARE  
Memory Required: 48K (BYTES)  
USGS Software: LOCAL PROGRAMS  
Languages: DATABUS  
Output Media: PRINTER  
Input Media: INTERACTIVE TERMINAL  
Input Locations: SACRAMENTO, CA  
Peripheral Devices: 1 LINE PRINTER; 2 DISK; 1  
INTERACTIVE TERMINAL

Definition/Description:

GCBHS IS A NATIONWIDE DATA RETRIEVAL SYSTEM FOR FEDERAL GEOTHERMAL COMPETITIVE BIDDING AND LEASING INFORMATION. GCBHS PERFORMS ALL PROCESSING TASKS NEEDED TO BUILD, OPERATE, MAINTAIN, AND RETRIEVE INFORMATION SUCH AS KNOWN GEOTHERMAL RESOURCES AREA IDENTIFICATION CODE, MODIFIED LEGAL DESCRIPTION, DATE OF LEASE SALE, TRACT NUMBER, ACREAGE OFFERED, SUCCESSFUL BIDDER AND BID, GRANDFATHER RIGHTS, REOFFERS, AND UNSUCCESSFUL BIDDERS AND BIDS.

\*\*\*\*\*

System Name: GEOTHERMAL LEASE AND APPLICATION  
SYSTEM  
Acronym: GLAAS  
Application Category: MANAGEMENT INFORMATION  
Contact Person: MACIOLEK, HERBERT  
Address: BUREAU OF LAND MANAGEMENT  
BRANCH OF INFORMATION SERVICES  
STATE OFFICE CALIFORNIA  
2800 COTTAGE WAY  
SACRAMENTO, CA 95825  
Telephone: (916) 484-4008 (FTS) 468-4008  
Data Bases Accessed: GEOTHERMAL APPLICATIONS AND LEASE  
FILES  
Date Implemented: 01/75  
Last Modified: 01/79  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$21,000  
Availability for Use/Access: LIMITED  
Users: GEOTHERMAL STAFF  
Frequency of Input: DAILY  
Frequency of Output: CONTINUOUSLY  
Computer Makes and Models: DATAPOINT 5500

BUREAU OF LAND MANAGEMENT  
SYSTEMS

Computer Locations: SACRAMENTO, CA  
Operating System: DATASHARE/DATABUS CRT ENTRY  
Memory Required: 48K (BYTES)  
Languages: DATABUS  
Output Media: CRT; COMPUTER PRINTOUT  
Input Media: INTERACTIVE TERMINAL  
Input Locations: SACRAMENTO, CA  
Related Systems: ALL SYSTEMS DEVELOPED FOR DCM  
GEOTHERMAL  
Definition/Description:  
PROVIDES AUTOMATED CENTRAL REPOSITORY FOR ALL GEOTHERMAL  
LEASING DATA

MINERALS MANAGEMENT SERVICE  
SYSTEMS

\*\*\*\*\*

System Name: ACCIDENT AND EVENTS SYSTEM  
Application Category: SPATIAL  
Contact Person: GIROIR, A. DONALD  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0555 (FTS) 680-9555  
Data Bases Accessed: OUTER CONTINENTAL SHELF (OCS)  
EVENTS FILE  
Date Implemented: 01/71  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$3,000  
Availability for Use/Access: LIMITED  
Users: VARIED  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Vendor Software: GIPSY  
Output Media: PRINTOUT  
Input Media: CARDS  
Input Locations: 3301 N. CAUSEWAY BLVD., METAIRIE,  
LA 70010  
Definition/Description:  
DATA BASE ON ACCIDENTS AND POLLUTION OCCURRENCES

\*\*\*\*\*

System Name: FIELD AND RESERVOIR RESERVES  
ESTIMATION  
Acronym: FRRE  
Application Category: COMPUTATIONAL/STATISTICAL; SPATIAL  
Contact Person: SURCOUF, ROBERT  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0690 (FTS) 680-9690  
Data Bases Accessed: FIELD AND RESERVOIR RESERVE  
ESTIMATES, GULF OF MEXICO--OCS  
Date Implemented: 01/75  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$5,000

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Availability for Use/Access: PROPRIETARY  
Users: GULF OF MEXICO OCS REGION;  
OFFSHORE MINERALS MANAGEMENT,  
RESTON  
Frequency of Input: WEEKLY  
Frequency of Output: WEEKLY  
Computer Makes and Models: PERKIN-ELMER 3250  
Computer Locations: METAIRIE, LA  
Operating System: OS32  
Languages: FORTRAN  
Output Media: INTERACTIVE TERMINAL; PRINTER  
Input Media: DISK  
Input Locations: 3301 N. CAUSEWAY BLVD., METAIRIE,  
LA 70010  
Related Systems: OUTER CONTINENTAL SHELF  
INFORMATION SYSTEM  
Definition/Description:  
TO CALCULATE AND MAINTAIN CURRENT FIELD AND RESERVOIR  
RESERVE ESTIMATES FOR ALL OIL AND GAS FIELDS ON THE GULF  
OF MEXICO OCS

\*\*\*\*\*

System Name: GEOSCIENCE INTERPRETIVE AID SYSTEM  
Acronym: GIAS  
Contact Person: YANG, R. H.  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0706 (FTS) 680-9706  
Data Bases Accessed: VELOCITY DATA CELLS  
Date Implemented: 01/73  
Last Modified: 01/80  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$80,000  
Availability for Use/Access: PROPRIETARY  
Frequency of Input: DAILY  
Frequency of Output: DAILY  
Computer Makes and Models: AMD V7; HIS MULTICS  
Computer Locations: RESTON, VA  
USGS Software: CALCOMP; SDL; CPS; TCS; AGII  
Languages: FORTRAN  
Output Media: PRINTOUTS; GRAPHICS  
Input Media: CRT; DIGITIZED DATA; CURSOR INPUT  
Input Locations: 3301 N. CAUSEWAY BLVD., METAIRIE,  
LA 70010

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Definition/Description:

PROVIDES COMPUTATIVE AND REPORT PREPARATION ASSISTANCE TO  
GEOPHYSICISTS INVOLVED IN LEASE EVALUATION AND MANAGEMENT.  
EVALUATES ANCILLARY GEOPHYSICAL DATA TO PROVIDE  
COMPREHENSIVE STUDY OF SUBSURFACE FACTORS AFFECTING VALUE  
AND PRODUCT OF FEDERAL LANDS.

\*\*\*\*\*

System Name: GULF OF MEXICO LEASE DATA FILE  
Application Category: SPATIAL  
Contact Person: CHEDOTAL, JOSEPH J.  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0729 (FTS) 680-9729  
Data Bases Accessed: LEASE DATA FILE, GULF OF  
MEXICO--OCS  
Date Implemented: 01/75  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$16,000  
Availability for Use/Access: LIMITED  
Frequency of Input: WEEKLY  
Frequency of Output: WEEKLY  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Vendor Software: GIPSY  
Output Media: CARDS; PRINTER; DISK; TAPE  
Input Media: CARDS  
Input Locations: 3301 N. CAUSEWAY BLVD., METAIRIE,  
LA 70010

Definition/Description:

TO PROVIDE DETAILED DATA AND INFORMATION ON EACH LEASEHOLD  
IN THE GULF OF MEXICO .

\*\*\*\*\*

System Name: GULF OF MEXICO LEASE SALE DATA  
FILE  
Application Category: SPATIAL  
Contact Person: WILLIAMS, JAMES  
Address: MINERALS MANAGEMENT SERVICE  
P.O. BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0729 (FTS) 680-9729  
Data Bases Accessed: LEASE SALE DATA FILE, GULF OF

MINERALS MANAGEMENT SERVICE  
SYSTEMS

MEXICO--OCS  
Date Implemented: 01/76  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$1,000  
Availability for Use/Access: PROPRIETARY  
Frequency of Input: MONTHLY  
Frequency of Output: MONTHLY  
Computer Makes and Models: AMD  
Computer Locations: RESTON, VA  
Operating System: OS/MVS  
Vendor Software: GIPSY  
USGS Software: EASYTRIEVE; 28 IRS  
Output Media: CARDS; TAPE; DISK  
Input Media: CARDS  
Definition/Description:  
TO MAKE AVAILABLE DETAILED DATA AND INFORMATION ON EACH  
GULF OF MEXICO LEASE SALE

\*\*\*\*\*

System Name: LEASE PRODUCTION AND REVENUE  
Acronym: LPR  
Application Category: COMPUTATIONAL/STATISTICAL  
Contact Person: VAVRINA, MARY  
Address: MINERALS MANAGEMENT SERVICE  
MAIL STOP 643  
RESTON, VA 22091  
Telephone: (703) 860-7567 (FTS) 928-7567  
Data Bases Accessed: LEASE PRODUCTION AND REVENUE  
Date Implemented: 01/72  
Last Modified: 01/79  
Expected Application Life: 1992  
Application Status: OPERATIONAL  
Annual Operating Costs: \$10,000  
Availability for Use/Access: LIMITED  
Users: U.S. GEOLOGICAL SURVEY; BUREAU OF  
LAND MANAGEMENT; UNIVERSITIES;  
PETROLEUM COMPANIES; CONSULTING  
COMPANIES  
Computer Makes and Models: AMD  
Computer Locations: RESTON, VA  
Operating System: OS/MVS  
Memory Required: 400K (BYTES)  
Vendor Software: IBM UTILITIES  
USGS Software: DISSPLA; NOS; SYSTEM 2  
Languages: FORTRAN  
Output Media: COMPUTER PRINTOUT; MAGNETIC TAPE



MINERALS MANAGEMENT SERVICE  
SYSTEMS

Input Media: PUNCHED CARDS; MAGNETIC TAPE  
Definition/Description:  
STUDY OF OIL AND GAS AND OTHER MINERALS AS TO ROYALTY,  
PRODUCTION, AND BID INFORMATION. A DATA BASE IS SET UP  
AND ANALYZED, AND REPORTS ARE GENERATED.

\*\*\*\*\*

System Name: LEASE SALE EVALUATION  
Application Category: SCIENTIFIC/TECHNICAL; SPATIAL  
Contact Person: YANG, R. H.  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-9706 (FTS) 680-9706  
Data Bases Accessed: LEASE SALE DATA FILE, GULF OF  
MEXICO--OCS  
Last Modified: 01/80  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$425,000  
Availability for Use/Access: PROPRIETARY  
Users: VARIED  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Output Media: PRINTOUT  
Input Media: PUNCHED CARDS  
Input Locations: METAIRIE, LA  
Definition/Description:  
TO PLACE A VALUE ON OFFSHORE OIL AND GAS TRACTS THAT ARE  
OFFERED FOR BID BY THE FEDERAL GOVERNMENT AND TO PROVIDE  
DATA FOR POSTSALE ANALYSIS OF BIDDING PATTERNS AND  
CORRELATIONS BETWEEN BIDS AND PRESALE EVALUATIONS

\*\*\*\*\*

System Name: MICROFILM DATA FILE  
Application Category: SPATIAL  
Contact Person: WILLIAMS, JAMES  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0729 (FTS) 680-9729  
Data Bases Accessed: MICROFILM DATA FILE  
Date Implemented: 01/76

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Application Status: OPERATIONAL  
Annual Operating Costs: \$1,000  
Availability for Use/Access: PROPRIETARY  
Users: VARIED  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Output Media: PRINTOUTS; INTERACTIVE TERMINAL  
Input Media: INTERACTIVE TERMINAL  
Definition/Description:  
MAINTAIN UPDATED INVENTORY OF ANCILLARY GEOPHYSICAL DATA  
STORED ON MICROFILM AND PROVIDE CROSS-REFERENCED INDEX TO  
SUCH DATA

\*\*\*\*\*

System Name: MONTE CARLO  
Application Category: COMPUTATIONAL/STATISTICAL; SPATIAL  
Contact Person: LORE, GARY  
Address: MINERALS MANAGEMENT SERVICE  
MAIL STOP 644  
RESTON, VA 22091  
Telephone: (703) 860-7567 (FTS) 928-7567  
Data Bases Accessed: MONTE CARLO EVALUATION FILES  
Date Implemented: 01/77  
Expected Application Life: CONTINUOUS  
Application Status: UNDER DEVELOPMENT  
Annual Operating Costs: \$200,000  
Availability for Use/Access: PROPRIETARY  
Users: MINERALS MANAGEMENT SERVICE  
PERSONNEL  
Frequency of Input: MONTHLY  
Frequency of Output: MONTHLY  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Operating System: OS  
Memory Required: 570K (BYTES)  
Languages: FORTRAN; COBOL; ASSEMBLER  
Output Media: PUNCHED CARDS; COMPUTER PRINTOUT  
Input Media: PUNCHED CARDS; DISK FILES  
Input Locations: RESTON, VA; WASHINGTON, DC;  
METAIRIE, LA; LOS ANGELES, CA;  
ANCHORAGE, AK

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Definition/Description:

COMPUTATION OF PROBABILISTIC VALUE OF OIL AND GAS  
RESOURCES ON THE OUTER CONTINENTAL SHELF (OCS)

\*\*\*\*\*

System Name: OIL SPILL TRAJECTORY ANALYSIS  
Acronym: OSTA  
Contact Person: LANFEAR, KENNETH J.  
Address: MINERALS MANAGEMENT SERVICE  
MAIL STOP 644  
RESTON, VA 22091  
Telephone: (703) 860-6730 (FTS) 928-6730  
Data Bases Accessed: OIL SPILL TRAJECTORY ANALYSIS  
MODEL FILES  
Date Implemented: 01/76  
Last Modified: 06/82  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$500,000  
Availability for Use/Access: LIMITED  
Access Method: INTERACTIVE AND BATCH  
Users: ANALYSTS IN THE DEPARTMENT OF THE  
INTERIOR AND MINERALS MANAGEMENT  
SERVICE  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD V7; HIS MULTICS  
Computer Locations: RESTON, VA  
Operating System: MVS  
Memory Required: 1200K (BYTES)  
USGS Software: OSTA; SEDOS  
Languages: FORTRAN IV  
Output Media: REPORT PREPARED FOR EACH OSRUN  
Input Media: PAPER AND ELECTRONIC DATA  
Input Locations: RESTON, VA; ANCHORAGE, AK; LOS  
ANGELES, CA; METAIRIE, LA; VIENNA,  
VA; OTHER LOCATIONS  
Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
RJE STATION; 1 DISK; 1 CARD  
READER; 4 INTERACTIVE TERMINAL  
Related Systems: SPATIAL ENVIRONMENTAL DATA  
DIGITIZING SYSTEM

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Definition/Description:

THE OSTA MODEL IS USED TO ESTIMATE THE PROBABILITY THAT OIL SPILLS FROM OUTER CONTINENTAL SHELF OIL PRODUCTION WILL OCCUR AND CONTACT ENVIRONMENTALLY SENSITIVE RESOURCES. A MONTE CARLO TECHNIQUE IS USED TO PREDICT OIL SPILL MOVEMENT OWING TO RANDOM WINDS AND CURRENTS. THE DATA BASE OF THE OSTA MODEL INCLUDES WINDS, OCEAN CIRCULATION, AND ENVIRONMENTAL RESOURCE LOCATIONS FOR MOST OF THE UNITED STATES OCS.

Comments:

THE OSTA MODEL HAS BEEN RUN OVER 20 TIMES FOR NEARLY ALL AREAS OF THE US OCS.

\*\*\*\*\*

System Name:	OUTER CONTINENTAL SHELF INFORMATION SYSTEM
Acronym:	OCSIS
Application Category:	MISSION SUPPORT; SCIENTIFIC/TECHNICAL
Contact Person:	CHEDOTAL, JOSEPH J.
Address:	MINERALS MANAGEMENT SERVICE P.O. BOX 7944 METAIRIE, LA 70010 (504) 838-0729 (FTS) 680-9729
Telephone:	
Date Implemented:	10/81
Last Modified:	12/82
Expected Application Life:	CONTINUOUS
Application Status:	OPERATIONAL
Availability for Use/Access:	PROPRIETARY
Access Method:	BOTH BATCH AND INTERACTIVE
Users:	GULF OF MEXICO OCS REGION
Frequency of Input:	CONTINUOUSLY
Frequency of Output:	CONTINUOUSLY
Computer Makes and Models:	PERKIN-ELMER 3250
Computer Locations:	METAIRIE, LA
Operating System:	OS32
Memory Required:	1000K (BYTES)
Vendor Software:	DMS/32, RQL
Languages:	FORTRAN
Output Media:	INTERACTIVE TERMINAL
Input Media:	INTERACTIVE TERMINAL
Input Locations:	METAIRIE, LA
Peripheral Devices:	1 MAGNETIC TAPE; 1 LINE PRINTER; 1 DISK; 1 INTERACTIVE TERMINAL

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Definition/Description:

THE OCSIS SYSTEM COLLECTS, STORES, AND ANALYZES  
INFORMATION ABOUT THE OPERATION OF OIL AND GAS LEASES IN  
THE GULF OF MEXICO.

\*\*\*\*\*

System Name: PIPELINE SYSTEM  
Application Category: SPATIAL  
Contact Person: GIROIR, A. DONALD  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0555 (FTS) 680-9555  
Data Bases Accessed: PIPELINE MANAGEMENT SYSTEM, GULF  
OF MEXICO--OCS  
Expected Application Life: CONTINUOUS  
Application Status: OPERATIONAL  
Annual Operating Costs: \$5,000  
Availability for Use/Access: LIMITED  
Users: VARIED  
Frequency of Input: WEEKLY  
Frequency of Output: WEEKLY  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Output Media: HARD COPY  
Input Media: PUNCHED CARDS  
Input Locations: 3301 N. CAUSEWAY BLVD., METAIRIE,  
LA 70010

Definition/Description:

INFORMATION COLLECTED ON ALL PIPELINE SEGMENTS IN THE GULF  
OF MEXICO.

\*\*\*\*\*

System Name: PLATFORM INSPECTION SYSTEM  
Acronym: IS  
Application Category: SPATIAL  
Contact Person: GIROIR, A. DONALD  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0555 (FTS) 680-9555  
Data Bases Accessed: PLATFORM INSPECTION SYSTEM, GULF  
OF MEXICO--OCS  
Date Implemented: 01/75  
Expected Application Life: CONTINUOUS

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Application Status: OPERATIONAL  
Annual Operating Costs: \$26,000  
Availability for Use/Access: LIMITED  
Frequency of Input: DAILY  
Frequency of Output: DAILY  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Output Media: MICROFICHE; HARD COPY  
Input Media: PUNCHED CARDS  
Input Locations: 3301 N. CAUSEWAY BLVD., METAIRIE,  
LA 70010  
Definition/Description:  
COLLECTION OF INFORMATION RELATING TO PRODUCTION AND  
DRILLING INSPECTIONS

\*\*\*\*\*

System Name: PRODUCTION DECLINE CURVE ANALYSIS  
Acronym: DECLINE  
Application Category: COMPUTATIONAL/STATISTICAL; SPATIAL  
Contact Person: DAVIDSON, LAWRENCE  
Address: MINERALS MANAGEMENT SERVICE  
PO BOX 7944  
METAIRIE, LA 70010  
Telephone: (504) 838-0903 (FTS) 680-9903  
Data Bases Accessed: FIELD AND RESERVOIR RESERVE  
ESTIMATES, GULF OF MEXICO--OCS  
Date Implemented: 01/75  
Expected Application Life: 1985  
Application Status: OPERATIONAL  
Annual Operating Costs: \$2,000  
Availability for Use/Access: PROPRIETARY  
Users: MINERALS MANAGEMENT SERVICE, GULF  
OF MEXICO OCS REGION  
Frequency of Input: WEEKLY  
Frequency of Output: WEEKLY  
Computer Makes and Models: PERKIN-ELMER 3250  
Computer Locations: METAIRIE, LA  
Operating System: OS32  
Languages: FORTRAN  
Output Media: CARDS; TAPE; DISK; PRINTER  
Input Media: CARDS  
Input Locations: 3301 N. CAUSEWAY BLVD., METAIRIE,  
LA 70010  
Related Systems: OUTER CONTINENTAL SHELF  
INFORMATION SYSTEM

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Definition/Description:

PROVIDES ESTIMATES OF REMAINING RECOVERABLE OIL AND GAS IN  
DECLINING FIELDS

\*\*\*\*\*

System Name: SPATIAL ENVIRONMENTAL DATA  
DIGITIZING SYSTEM  
Acronym: SEDDS  
Application Category: MISSION SUPPORT;  
COMPUTATIONAL/STATISTICAL;  
SCIENTIFIC/TECHNICAL; SPATIAL  
Contact Person: LANFEAR, KENNETH J.  
Address: MINERALS MANAGEMENT SERVICE  
12203 SUNRISE VALLEY DRIVE  
MAIL STOP 644  
RESTON, VA 22091  
Telephone: (703) 860-6730 (FTS) 928-6730  
Data Bases Accessed: OIL SPILL TRAJECTORY ANALYSIS  
MODEL FILES  
Date Implemented: 10/78  
Last Modified: 01/83  
Expected Application Life: 1990  
Application Status: OPERATIONAL  
Annual Operating Costs: \$20,000  
Availability for Use/Access: UNLIMITED  
Access Method: BOTH BATCH AND INTERACTIVE  
Users: MINERALS MANAGEMENT SERVICE; U.S.  
GEOLOGICAL SURVEY HYDROLOGISTS  
Frequency of Input: AS REQUIRED  
Frequency of Output: AS REQUIRED  
Computer Makes and Models: AMD V7  
Computer Locations: RESTON, VA  
Operating System: MVS  
Memory Required: 800K (BYTES)  
Languages: FORTRAN IV  
Output Media: COMPUTER PRINTOUT; INTERACTIVE  
TERMINAL; PLOTTERS  
Input Media: INTERACTIVE TERMINAL; DIGITIZING  
TABLES  
Input Locations: RESTON, VA  
Peripheral Devices: 1 MAGNETIC TAPE; 1 LINE PRINTER; 1  
DISK; 1 INTERACTIVE TERMINAL  
Related Systems: OIL SPILL TRAJECTORY ANALYSIS

MINERALS MANAGEMENT SERVICE  
SYSTEMS

Definition/Description:

THE SPATIAL ENVIRONMENTAL DATA DIGITIZING SYSTEM, SEDDS, WAS DEVELOPED FOR ANALYZING LARGE AMOUNTS OF ENVIRONMENTAL DATA FROM A VARIETY OF SOURCES. THIS SYSTEM CAN COMBINE DATA FROM MAPS OF DIFFERENT SCALES AND PROJECTIONS, PLACE SPATIAL DATA WITHIN A MATRIX OF GRID CELLS, AND STORE THE DATA IN EITHER OF TWO DIFFERENT STORAGE NOTATIONS USING INTEGERS OR INDIVIDUAL BITS, EACH DESIGNED FOR HIGH SPEED RETRIEVAL BY MATHEMATICAL MODELS. THE KEY CONCEPT IN THE DESIGN OF SEDDS IS THE AUTOMATIC CONVERSION OF ALL SPATIAL DATA TO A STANDARD MAP PROJECTION COORDINATE SYSTEM. SEDDS IS FULLY OPERATIONAL, AND HAS BEEN APPLIED TO A NUMBER OF OIL SPILL TRAJECTORY ANALYSIS MODELS AND OTHER APPLICATIONS.

Comments:

REFERENCE: U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT 80-871.

\*\*\*\*\*

System Name:	WELL STATUS AND PRODUCTION SYSTEM
Acronym:	WSPS
Application Category:	SPATIAL
Contact Person:	CHEDOTAL, JOSEPH J.
Address:	MINERALS MANAGEMENT SERVICE PO BOX 7944 METAIRIE, LA 70010
Telephone:	(504) 838-0729 (FTS) 680-9729
Data Bases Accessed:	RESERVOIR FILE, GULF OF MEXICO--OCS; WELL FILE, GULF OF MEXICO--OCS
Date Implemented:	01/77
Last Modified:	01/80
Expected Application Life:	CONTINUOUS
Application Status:	OPERATIONAL
Annual Operating Costs:	\$68,000
Availability for Use/Access:	PROPRIETARY
Users:	VARIED
Frequency of Input:	DAILY
Frequency of Output:	DAILY
Computer Makes and Models:	AMD V7
Computer Locations:	RESTON, VA
Languages:	COBOL
Output Media:	TAPE; DISK; PRINTER
Input Media:	TAPE; DISK
Input Locations:	3301 N. CAUSEWAY BLVD., METAIRIE, LA 70010



MINERALS MANAGEMENT SERVICE  
SYSTEMS

Definition/Description:

IN SUPPORT OF OCS ORDER NO. 11, MONITORS THE RATE OF RESERVOIR DEPLETION SO THAT THE MAXIMUM EFFICIENT RATE IS NOT EXCEEDED. ASSIGNS ALLOWABLE PRODUCTION RATE TO EACH WELL. RATES ARE MONITORED MONTHLY BY RESERVOIR AND BY WELL.

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