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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

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.



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 (PRIMARILY) 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

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
Telephone: (303) 234-5091 (FTS) 234-5091
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, UNTA 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

Acronym:

MAS400

DB Type:

SCIENTIFIC/TECHNICAL; SPATIAL
RELATIONAL

Structure:

BOTBOL, JOSEPH M.

Contact Person:

U.S. GEOLOGICAL SURVEY

Address:

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

Acronym:

MAS310

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:

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
Telephone:	WOODS HOLE, MA 02543 (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:	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 SIO₂, TIO₂, AL₂O₃, FE₂O₃ (TOTAL), CAO, MGO, K₂O, P₂O₅, AND MNO₂ (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 FEO, H₂O+, H₂O-, 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. NA₂O AND 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 NA₂O AND 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 (FEO) RESULTS MAY BE QUESTIONABLE. ALL VALUES ARE IN WEIGHT PERCENT.

Data Base Name:

ATLANTIC MARGIN CORING PROJECT - CHEMICAL ANALYSES, MAJOR ELEMENTS

MAS700

Acronym:

SCIENTIFIC/TECHNICAL; SPATIAL

DB Type:

RELATIONAL

Structure:

BOTBOL, JOSEPH M.

Contact Person:

U.S. GEOLOGICAL SURVEY

Address:

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 TRAVERSSES 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.

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.

Data Base Name:

ATLANTIC MARGIN CORING PROJECT -
GEOTECHNICAL DATA

Acronym:

TECMAS

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:

OPERATIONAL

Data Base Status:

USGS GEOLOGISTS

Users:

UNLIMITED

Availability for Use/Access:

INTERACTIVE

Access Method:

INTERACTIVE TERMINAL; PUBLICATION;

Output Media:

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

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

Telephone: WOODS HOLE, MA 02543
(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

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

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

Acronym:

MAS210

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;

Output Media:

MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

37,980 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

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;

Output Media:

MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

13,672 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

Subject Coverage:

HEAVY MINERAL ANALYSIS

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; 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

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: 10,396 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

Telephone: WOODS HOLE, MA 02543
(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: 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

(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;

Output Media:

MAPS

Storage Media:

MAGNETIC TAPE; DISK

No. of Records:

10,727 RECORDS

Computer Makes and Models:

HP 1000

Computer Locations:

WOODS HOLE, MA

Languages:

FORTRAN

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 -
Acronym: SEDIMENT GRAIN SIZE ANALYSES
DB Type: MAS250
Structure: SCIENTIFIC/TECHNICAL; SPATIAL
Contact Person: RELATIONAL
Address: BOTBOL, JOSEPH M.
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
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:	4,932 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTRAN
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
Telephone: (303) 234-5008 (FTS) 234-5008
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
Telephone: MENLO PARK, CA 94025
(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

(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;

Output Media:

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:

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;

Output Media:

MAPS

MAGNETIC TAPE; DISK

Storage Media:

20,397 RECORDS

No. of Records:

HP 1000

Computer Makes and Models:

WOODS HOLE, MA

Computer Locations:

FORTRAN

Languages:

BRANCH PUBLICATIONS

Subject Coverage:

REGIONAL US

Geographical Coverage:

2 - 34

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:

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;

Output Media:

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
DB Type: SENSING BIBLIOGRAPHIC DATA BASE
Structure: BIBLIOGRAPHIC
Contact Person: SORTED SEQUENTIAL
Address: OLHOEFT, GARY
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.

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).

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.

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

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

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 NORTHTINGS 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

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.

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.

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.

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
Telephone:	MENLO PARK, CA 94025 (415) 323-8111 EXT 2073 (FTS) 467-2073
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:	FORTRAN
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.

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
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:	26,208 RECORDS
Computer Makes and Models:	HP 1000
Computer Locations:	WOODS HOLE, MA
Languages:	FORTRAN
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).

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

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

(303) 234-5465 (FTS) 234-5465

Telephone:

FIELD

Spatial Data Type:

APPROXIMATED

Coordinate System:

1965 - PRESENT

Time Span:

OPERATIONAL

Data Base Status:

WATER RESOURCES DIVISION FOR

Users:

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:

SUCCESSIONAL 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.

Data Base Name: EASTERN UNITED STATES EARTHQUAKE

Acronym: DATA

DB Type: MASQUA

Structure: SCIENTIFIC/TECHNICAL; SPATIAL

Contact Person: RELATIONAL

Address: BOTBOL, JOSEPH M.

Address: U.S. GEOLOGICAL SURVEY

Address: GEOLOGIC DIVISION

Address: QUISETT CAMPUS

Address: 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: 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

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

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.

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.

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.

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
Spatial Data Type: (415) 323-8111 EXT 2906 (FTS) 467-2906
Coordinate System: POINT
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).

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.

Data Base Name:

GRASP USER INDEX

Acronym:

MASUSE

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:

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

Data Base Name:	HAWAIIAN VOLCANO OBSERVATORY
DB Type:	DIGITAL SEISMOGRAM ARCHIVE
Contact Person:	SCIENTIFIC/TECHNICAL
Address:	ENGLISH, THOMAS T.
Telephone:	U.S. GEOLOGICAL SURVEY
Time Span:	GEOLOGIC DIVISION
Data Base Status:	HAWAIIAN VOLCANO OBSERVATORY
Users:	P.O. BOX 51
Availability for Use/Access:	HAWAII NATIONAL PARK, HI 96718
Access Method:	(808) 967-7328
Output Media:	1979 - PRESENT
Storage Media:	OPERATIONAL
No. of Records:	U.S. GEOLOGICAL SURVEY
Bytes per Record:	LIMITED
Total Bytes in DB:	INTERACTIVE AND BATCH
Growth Rate:	INTERACTIVE TERMINAL
Computer Makes and Models:	MAGNETIC TAPE; DISK
Computer Locations:	18,675 RECORDS
Languages:	390,000 BYTES
Subject Coverage:	7,300,000,000 BYTES
Geographical Coverage:	25 PERCENT PER YEAR
US STATE; STATE OF HAWAII AND ENVIRONS	DATA GENERAL ECLIPSE S200
	HAWAIIAN VOLCANO OBSERVATORY
	FORTRAN 5
	DIGITAL SEISMOGRAMS

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

Availability for Use/Access:

GOVERNMENTS; UNIVERSITIES

Access Method:

UNLIMITED

Output Media:

INTERACTIVE AND BATCH

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, DEPOSITORYES, 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
Telephone:	DENVER, CO 80225 (303) 234-3994 (FTS) 234-3994
Spatial Data Type:	POINT
Coordinate System:	LATITUDE/LONGITUDE
Time Span:	1600 - PRESENT
Data Base Status:	UNDER DEVELOPMENT
Users:	ANYONE WANTING INFORMATION ON EARTHQUAKES
Availability for Use/Access:	NOT AVAILABLE
Storage Media:	DISK
Computer Makes and Models:	VAX 11/780
Computer Locations:	GOLDEN, CO
Subject Coverage:	HISTORIC SEISMIC ACTIVITY FOR INDIVIDUAL STATES

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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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

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

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.

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
RELATIONAL

Structure:

BOTBOL, JOSEPH M.

Contact Person:

U.S. GEOLOGICAL SURVEY

Address:

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.

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

Data Base Name: MENLO PARK ROCK MAGNETICS
DB Type: LABORATORY REMANENT MAGNETIZATION
Structure: SCIENTIFIC/TECHNICAL
Contact Person: GROMME, SHERMAN
Address: U.S. GEOLOGICAL SURVEY
GEOLOGIC DIVISION
345 MIDDLEFIELD ROAD
MS 18
Telephone: MENLO PARK, CA 94025
(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.

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

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:

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

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
Storage Media: BATCH COMPUTER PRINTOUT;
No. of Records: INTERACTIVE TERMINAL; MAGNETIC TAPE
Computer Makes and Models: MAGNETIC TAPE; DISK
Computer Locations: 76,000 RECORDS
DBMS: AMD V7
Subject Coverage: RESTON, VA
Geographical Coverage: GIPSY
WORLDWIDE
Sources of Data: MINERAL RESOURCES LOCATIONS (MINES
AND OCCURRENCES) COMMODITIES
Documentation: BUREAU OF LAND MANAGEMENT, SOUTH AFRICA MINERAL ATTACHE,
STATE GEOLOGICAL SURVEYS, TENNESSEE VALLEY AUTHORITY, U.S.
GEOLOGICAL SURVEY, WEST GERMANY GEOLOGICAL SURVEY
Systems Which Access Data Base: USGS CIRCULARS 681, 755A, 755B, UNIVERSITY OF OKLAHOMA
GIPSY USERS' MANUAL, AND USGS OPEN-FILE REPORTS
Keywords: MINERAL RESOURCES DATA SYSTEM
Definition/Description: COMMODITY; DEPOSIT; MINERAL RESOURCES; MINE
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

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

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

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

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.

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

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
Telephone:	DENVER, CO 80225 (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

DISK

Storage Media:

20,000 RECORDS

No. of Records:

3 PERCENT PER YEAR

Growth Rate:

HONEYWELL MULTICS

Computer Makes and Models:

DENVER, CO

Computer Locations:

FORTRAN

Languages:

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

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;
 PRIMARILY DATA CONTRIBUTORS;
 INDUSTRIAL RESEARCH;
 COMMERCIAL/ECONOMIC INTERESTS;

GEOLOGIC DIVISION
DATA BASES

Availability for Use/Access: UNIVERSITY RESEARCH
Access Method: LIMITED
Output Media: INTERACTIVE
Computer Locations: INTERACTIVE TERMINAL; BATCH
Computer Makes and Models: COMPUTER PRINTOUT
Storage Media: DISK
No. of Records: 2,000 RECORDS
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.

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
Telephone: DENVER, CO 80225
(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;
Structure: SCIENTIFIC/TECHNICAL; SPATIAL 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

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
Spatial Data Type: (303) 234-5121 (FTS) 234-5121
Coordinate System: POLYGON
Time Span: PUBLIC LAND SURVEY (SECTION,
Data Base Status: TOWNSHIP, AND RANGE)
Users: 1950 - PRESENT
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

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

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.

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.

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

Telephone: DENVER FEDERAL CENTER
DENVER, CO 80225

Spatial Data Type: (303) 234-6488 (FTS) 234-6488

Coordinate System: POINT
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.

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.

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

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.

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

(303) 234-5531 (FTS) 234-5531

Telephone:

POINT

Spatial Data Type:

LATITUDE/LONGITUDE

Coordinate System:

1975 - PRESENT

Time Span:

UNDER DEVELOPMENT

Data Base Status:

AMERICAN ASSOCIATION OF PETROLEUM

Users:

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.

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.

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 NORTHOINGS
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.

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 NORTHOINGS
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.

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

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/I; 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.

Data Base Name:

SESTON SAMPLE ANALYSES--PART 1 AND

PART 2

SPATIAL

BAILEY, NORMAN G.

U.S. GEOLOGICAL SURVEY

GEOLOGIC DIVISION

BRANCH OF ATLANTIC MARINE GEOLOGY

GEOLOGIC DIVISION
DATA BASES

Telephone: QUISETT CAMPUS
Spatial Data Type: WOODS HOLE, MA 02543
Coordinate System: (617) 548-8700 EXT 175 (FTS) 837-4175
Time Span: POINT
Data Base Status: LATITUDE/LONGITUDE
Users: 1975 - 1977
UNDER DEVELOPMENT
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

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

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 HYPOELLIPE (USGS OPEN-FILE REPORT 79-431).

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

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

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 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

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

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, SMIRES 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.

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

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
MAGNETIC TAPE; DISK
Storage Media: 823 RECORDS
No. of Records: 132 BYTES
Bytes per Record: 108,636 BYTES
Total Bytes in DB:
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

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

Telephone:

POINT

Spatial Data Type:

LATITUDE/LONGITUDE

Coordinate System:

1960 - PRESENT

Time Span:

OPERATIONAL

Data Base Status:

SCIENTISTS NEEDING DATA FROM

Users:

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

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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 $Q = Q - D \cdot A$ WHERE Q IS SURFACE HEAT FLUX, A 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, LYNDA 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
Telephone: DENVER, CO 80225
(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 NORTHTINGS
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, LYNDA 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, LYNDA 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, LYNDA 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

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.

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

(703) 860-6509 (FTS) 928-6509

Telephone:

POLYGON

Spatial Data Type:

LATITUDE/LONGITUDE

Coordinate System:

1935 - PRESENT

Time Span:

OPERATIONAL

Data Base Status:

BUREAU OF LAND MANAGEMENT; DEPARTMENT OF AGRICULTURE; NATIONAL OCEAN SURVEY; 19 PRIVATE COMPANIES; 12 STATE AGENCIES; U.S. GEOLOGICAL SURVEY

Users:

UNLIMITED

Availability for Use/Access:

MICROFORM

Output Media:

MAGNETIC TAPE

Storage Media:

203,000 RECORDS

No. of Records:

26,000,000 BYTES

Total Bytes in DB:

AMD V7

Computer Makes and Models:

RESTON, VA

Computer Locations:

PL/1

Languages:

AERIAL PHOTOGRAPHS TAKEN FROM AIRCRAFT, GENERALLY IN A SCALE RANGE OF 1:10,000 TO 1:150,000

2 - 152

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.

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
Telephone:	(415) 965-6368 (FTS) 448-6368
Spatial Data Type:	GRID
Coordinate System:	UTM NORTHTINGS 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
10 PERCENT PER YEAR
Computer Makes and Models: HP 3000
Computer Locations: MOFFETT FIELD, CA
Languages: FORTRAN
Subject Coverage: LAND COVER DATA BY 50-M GRID CELLS
Geographical Coverage: 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

Data Base Name: BLACK HILLS HYDROLOGIC SYSTEM DATA
DB Type: BASE
Structure: SCIENTIFIC/TECHNICAL
Contact Person: RELATIONAL
Address: BATTEN, LAWRENCE G.
U.S. GEOLOGICAL SURVEY
NATIONAL MAPPING DIVISION
APPLICATIONS BRANCH
EROS DATA CENTER
SIOUX FALLS, SD 57198
(605) 594-6114 (FTS) 784-7114
Telephone: GRID
Spatial Data Type: ARBITRARY X, Y COORDINATES
Coordinate System: 1981 - PRESENT
Time Span: UNDER DEVELOPMENT
Data Base Status: NATIONAL MAPPING DIVISION; WATER
Users: 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.

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;
TOPOONYM

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).

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 PHOTOGRAHMTRY; 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.

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

Data Base Name: GEOGRAPHIC NAMES DATA BASE
Acronym: GNIS/GEONAMES
DB Type: SPATIAL; SCIENTIFIC AND TECHNICAL;
MISSION SUPPORT; BIBLIOGRAPHIC
HIERARCHIC
Structure: PAYNE, ROGER L.
Contact Person: U.S. GEOLOGICAL SURVEY
Address: 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
GIPSY
DBMS:
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; TOPOONYM

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.

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.

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.

Data Base Name: LAND COVER DATA FROM LANDSAT OF BOISE, IDAHO, 1975
Acronym: LCIS-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
(415) 965-6368 (FTS) 448-6368
Telephone: GRID
Spatial Data Type: UTM NORTHINGS AND EASTINGS
Coordinate System: OPERATIONAL
Data Base Status: ADA COUNTY PLANNING ASSOCIATION;
Users: 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/I
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.

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: ELLEFSEN, R. A., GAYDOS, LEONARD, AND WRAY, J. R., COMPUTER-AIDED MAPPING OF LAND USE USING ERTS MULTISPECTRAL SCANNER DATA: PRIMER CONGRESO PANAMERICANO Y TERCERO NACIONAL DE FOTOGRAFIA, 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.

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:

ELLEFSEN, 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.

Data Base Name: LAND COVER DATA FROM LANDSAT OF WASHINGTON, DC, 1973

Acronym: LCMS-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.

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.

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

(605) 594-6511 EXT 555 (FTS) 784-7555

Telephone:

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).

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 NORTHOINGS

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.

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/I; 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.

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.

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 NCICIQ WAS DESIGNED JOINTLY BY THE SYSTEMS ANALYSIS
AND RESEARCH SECTION AND NATIONAL CARTOGRAPHIC INFORMATION
CENTER. THE NCICIQ 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.

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

Data Base Name: NATIONAL DIGITAL CARTOGRAPHIC DATA
BASE - DMA DIGITAL ELEVATION MODEL
NDCDB/DMAD
Acronym: SPATIAL
DB Type: SORTED SEQUENTIAL
Structure: DEMPSEY, THOMAS
Contact Person: U.S. GEOLOGICAL SURVEY
Address: 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.

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

(703) 860-6336 (FTS) 928-6336

POLYGON

Telephone:

UTM NORTHOINGS AND EASTINGS

Spatial Data Type:

1972 - PRESENT

Coordinate System:

OPERATIONAL

Time Span:

BUREAU OF THE CENSUS; FOREST

Data Base Status:

SERVICE STATE COOPERATORS; U.S.

Users:

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 COMPILED 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:

MICHELL, 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

Data Base Name: NATIONAL DIGITAL CARTOGRAPHIC DATA
BASE - LARGE/INTERMEDIATE SCALE
PLANIMETRIC
NDCDB/DLGD
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.

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), HYPSOGRAPHY
(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

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
GIPSY
DBMS: ACCEPTED AND PROPOSED NAMES FOR
Subject Coverage: 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

Data Base Name: T1X
Acronym: T1X
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

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.

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

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

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

Data Base Name: AUTOMATIC DATA PROCESSING
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.

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-I, 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.

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.

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
(404) 221-4806 (FTS) 242-4806
Telephone:
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;
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.

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
(404) 221-4806 (FTS) 242-4806
Telephone:
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.

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
CONDUTTANCE, 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.

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 Makes and Models: COMPUTER PRINTOUT
Computer Locations: MAGNETIC TAPE; DISK
Languages: 493,415 BYTES
Storage Media: AMD V7
Total Bytes in DB: RESTON, VA
DBMS: COBOL; PL/1; FORTRAN; SYSTEM 2000
Subject Coverage: NATURAL LANGUAGE
Geographical Coverage: SYSTEM 2000
Sources of Data: TABLES OF PARAMETERS WITHIN THE
Documentation: NATIONAL GROUNDWATER DATA BASE
Systems Which Access Data Base: US; US AND TERRITORIES
Keywords: AUTOMATIC DATA SECTION, USGS WATER RESOURCES DIVISION
Definition/Description: 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.
Comments: NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM
Definition/Description: GROUNDWATER
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

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 COMPRIMES 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.

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.

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

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.

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

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

Telephone: RESTON, VA 22092
Spatial Data Type: (703) 860-6935 (FTS) 928-6935
Coordinate System: POLYGON (HYDROLOGIC UNIT)
Data Base Status: LATITUDE/LONGITUDE
Users: UNDER DEVELOPMENT
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 FLSBASE DATA BASE. A COMPUTER PROGRAM HUCCODE
(USED AS A SUBROUTINE) WAS DEVELOPED TO USE THE FLSBASE 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.

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

(518) 472-3107 (FTS) 562-3107

POINT

LATITUDE/LONGITUDE

OPERATIONAL

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION; U.S.
GEOLOGICAL SURVEY, WATER RESOURCES
DIVISION, NEW YORK DISTRICT

UNLIMITED

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:

GEESEN, 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
Telephone:	(319) 338-1173 (FTS) 863-6521
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.

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

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.

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.

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:

HYDROLOGIC 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

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:

POINT

Spatial Data Type:

STATION IDENTIFICATION NUMBER (IN
DOWNSTREAM ORDER)

Coordinate System:

1977 - PRESENT

Time Span:

OPERATIONAL

Data Base Status:

U.S. GEOLOGICAL SURVEY WATER

Users:

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.

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.

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

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

Telephone:

POINT

Spatial Data Type:

LATITUDE/LONGITUDE

Coordinate System:

OPERATIONAL

Data Base Status:

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.

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

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:

POINT

Spatial Data Type:

LATITUDE/LONGITUDE

Coordinate System:

1899 - PRESENT

Time Span:

OPERATIONAL

Data Base Status:

TENNESSEE WATER RESOURCES DIVISION
DISTRICT HYDROLOGISTS

Users:

UNLIMITED

Availability for Use/Access:

MAGNETIC TAPE; BATCH COMPUTER

Output Media:

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
Telephone: (608) 262-2488 (FTS) 262-2488
Spatial Data Type: POINT
Coordinate System: LATITUDE/LONGITUDE
Time Span: 1960 - PRESENT
Data Base Status: OPERATIONAL
Users: CONSULTANTS; USGS WISCONSIN WATER
 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 BE
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

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.

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

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.

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

MAGNETIC TAPE

Storage Media:

120,000 RECORDS

No. of Records:

80 BYTES

Bytes per Record:

9,600,000 BYTES

Total Bytes in DB:

IBM 370/158

Computer Makes and Models:

LINCOLN, NE

Computer Locations:

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

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

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
Telephone: (617) 223-4521 (FTS) 223-4521
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.

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

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

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.

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.

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

Telephone: P.O. BOX 1350
Spatial Data Type: ALBANY, NY 12201
Coordinate System: (518) 472-3107 (FTS) 562-3107
Time Span: POINT
Data Base Status: LATITUDE/LONGITUDE
Users: 1965 - PRESENT
NEW YORK STATE DEPARTMENT OF
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

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.

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/I; 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.

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.

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
Telephone: (615) 254-5424 (FTS) 852-5424
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/I; 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

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

POINT

LATITUDE/LONGITUDE

1922 - PRESENT

OPERATIONAL

FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION; FLORIDA

Telephone:

Spatial Data Type:

Coordinate System:

Time Span:

Data Base Status:

Users:

WATER RESOURCES DIVISION
DATA BASES

WATER MANAGEMENT DISTRICTS; WATER
RESOURCES DIVISION OFFICES

Availability for Use/Access: UNLIMITED
Output Media: 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

Data Base Name: TRAVELERS RESEARCH CORPORATION
Acronym: TAPE OF SMALL RURAL WATERSHED DATA
DB Type: TRAVELERS
Structure: SPATIAL
Contact Person: RELATIONAL
Address: DOLNACK, DONALD J.
Telephone: U.S. GEOLOGICAL SURVEY
Spatial Data Type: WATER RESOURCES DIVISION
Coordinate System: 421 NATIONAL CENTER
Data Base Status: RESTON, VA 22092
Users: (703) 860-6031 (FTS) 928-6031
Availability for Use/Access: POINT
Access Method: LATITUDE/LONGITUDE
Output Media: OPERATIONAL
Storage Media: U.S. GEOLOGICAL SURVEY
No. of Records: UNLIMITED
Bytes per Record: BATCH
Total Bytes in DB: MAGNETIC TAPE; BATCH COMPUTER
Computer Makes and Models: PRINTOUT
Computer Locations: MAGNETIC TAPE
Languages: 678 RECORDS
Subject Coverage: 1,224 BYTES
Geographical Coverage: 829,872 BYTES
US
Sources of Data: AMD V7
TRAVELERS RESEARCH CORPORATION
Documentation: RESTON, VA
NONE
Keywords: PL/1
HYDROLOGIC DATA; SURFACE WATER; WATERSHED
Definition/Description: SMALL RURAL WATERSHEDS
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

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
Storage Media: TAPE; PUNCHED CARDS
No. of Records: MAGNETIC TAPE; DISK
Bytes per Record: 170,000 RECORDS
Total Bytes in DB: 11,604 BYTES
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.

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.

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.

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.

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.

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

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.

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.

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

Data Base Name: WATSTORE REAL-TIME FRONT-END
Acronym: HYDROLOGIC DATA PROCESSING SYSTEM
DB Type: WRAFT
Structure: SPATIAL
Contact Person: RELATIONAL
Address: SHOPE, WILLIAM G.
Telephone: U.S. GEOLOGICAL SURVEY
Spatial Data Type: WATER RESOURCES DIVISION
Coordinate System: 460 NATIONAL CENTER
Data Base Status: RESTON, VA 22092
Users: (703) 860-6014 (FTS) 928-6014
Availability for Use/Access: POINT
Output Media: LATITUDE/LONGITUDE
Storage Media: OPERATIONAL
No. of Records: NATIONAL WEATHER SERVICE; STATE
Computer Makes and Models: AND LOCAL NATURAL-RESOURCES
Computer Locations: AGENCIES; RIVER BASIN COMMISSIONS
Languages: UNLIMITED
DBMS: INTERACTIVE TERMINAL
Subject Coverage: DISK
Geographical Coverage: 25,000 RECORDS
US
Sources of Data: HIS MULTICS
REMOTE HYDROLOGIC DATA COLLECTION SITES EQUIPPED WITH
AUTOMATIC MONITORING AND DATA TELEMETRY EQUIPMENT
Documentation: RESTON, VA
NONE
Systems Which Access Data Base: PL/1
NATIONAL WATER DATA STORAGE AND RETRIEVAL SYSTEM
Keywords: MRDS
HYDROLOGIC DATA; REAL-TIME; REMOTE DATA COLLECTION SITES;
SATELLITE RELAY; SURFACE WATER; WATER QUALITY
Definition/Description: HYDROLOGIC RESOURCES INFORMATION,
REAL-TIME DATA
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 COMPRIZE 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.

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.

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

UNLIMITED

Availability for Use/Access:

BATCH COMPUTER PRINTOUT

Output Media:

MAGNETIC TAPE; PUNCHED CARDS; DISK

Storage Media:

1,800 RECORDS

No. of Records:

80 BYTES

Bytes per Record:

AMD V7

Computer Makes and Models:

RESTON, VA

Computer Locations:

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.

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

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.

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 (503) 231-6812 (FTS) 429-6812
Telephone:	
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/I; 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 PROJECTS, 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.

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, COMMUNICAZION 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

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
Telephone: (202) 653-2133 (FTS) 653-2133
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

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 (SUNDY 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
Telephone: (213) 688-2046 (FTS) 798-2046
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.

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.

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 NORTHTHINGS

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.

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

(504) 838-0706 (FTS) 680-9706

Telephone:

LINE

Spatial Data Type:

ARBITRARY X,Y COORDINATES

Coordinate System:

1977 - 1978

Time Span:

UNDER DEVELOPMENT

Data Base Status:

GEOPHYSICISTS; HAZARDS AND EVALUA-

Users:

MINERALS MANAGEMENT SERVICE
DATA BASES

Availability for Use/Access: TION RESEARCHERS
Output Media: LIMITED
Storage Media: MAGNETIC TAPE
Computer Makes and Models: MAGNETIC TAPE
Computer Locations: 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.

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

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

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
(504) 838-0729 (FTS) 680-9729
Telephone: POINT
Spatial Data Type: ARBITRARY X, Y COORDINATES
Coordinate System: 1971 - PRESENT
Time Span: OPERATIONAL
Data Base Status: GEOPHYSICISTS; TECHNICIANS
Users: 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; DATAPORT
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

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.

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.

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.

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

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.

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.

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

(504) 838-0706 (FTS) 680-9706

Telephone:

POINT

Spatial Data Type:

ARBITRARY X,Y COORDINATES

Coordinate System:

1971 - PRESENT

Time Span:

OPERATIONAL

Data Base Status:

RESOURCE EVALUATION OFFICES OF THE
MINERALS MANAGEMENT SERVICE

Users:

PROPRIETARY

Availability for Use/Access:

INTERACTIVE TERMINAL; MAGNETIC
TAPE; BATCH COMPUTER PRINTOUT;
MICROFORM; PUNCHED CARDS

Output Media:

MAGNETIC TAPE; PUNCHED CARDS; DISK

Storage Media:

20,000,000 BYTES

Total Bytes in DB:

HIS MULTICS

Computer Makes and Models:

RESTON, VA

Computer Locations:

FORTRAN

Languages:

SEISMIC VELOCITY DATA DERIVED FROM
GEOPHYSICAL SURVEYS

Subject Coverage:

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.

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.

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

(504) 838-0729 (FTS) 680-9729

Telephone:

AREA

Spatial Data Type:

UTM NORTHINGS AND EASTINGS;

Coordinate System:

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.

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

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
CONTINUOUSLY
Frequency of Input:
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/I; 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
SEISMIC
Related Systems:
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

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
Telephone: DENVER, CO 80225
(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

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

System Name: GEOLOGIC RETRIEVAL AND SYNOPSIS
PROGRAM
Acronym: GRASP
Application Category: MISSION SUPPORT;
COMPUTATIONAL/STATISTICAL;
SCIENTIFIC/TECHNICAL; MANAGEMENT
INFORMATION; SPATIAL; BIBLIOGRAPHIC
BOWEN, ROGER W.
Contact Person:
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.

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.

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
Telephone:	(808) 967-7328 (FTS)
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

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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.

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
Telephone: MENLO PARK, CA 94025
(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

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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.

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

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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.

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

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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, CHANNELLED, 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.

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

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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.

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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SYSTEMS

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.

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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SYSTEMS

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.

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
Telephone:	HAWAII NATIONAL PARK, HI 96718 (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 ANALOG MAGNETIC TAPE AND PAPER RECORDS
Input Media:	HAWAIIAN VOLCANO OBSERVATORY
Input Locations:	1 MAGNETIC TAPE; 1 LINE PRINTER; 1
Peripheral Devices:	DISK; 1 INTERACTIVE TERMINAL
Related Systems:	HAWAIIAN VOLCANO OBSERVATORY

GEOLOGIC DIVISION
SYSTEMS

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.

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
SYSTEMS

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
SYSTEMS

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,

INFORMATION SYSTEMS DIVISION
SYSTEMS

GEOPHYSICS, GEOCHEMISTRY, HYDROLOGY, CARTOGRAPHY,
OCEANOGRAPHY, GEOGRAPHY, MINERALS EXPLORATION AND
CONSERVATION, AND SATELLITE DATA SENSING.

NATIONAL MAPPING DIVISION
SYSTEMS

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.

NATIONAL MAPPING DIVISION
SYSTEMS

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)
FORTRAN
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.

NATIONAL MAPPING DIVISION
SYSTEMS

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
SYSTEMS

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

NATIONAL MAPPING DIVISION
SYSTEMS

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.

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/GENERICs 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

NATIONAL MAPPING DIVISION
SYSTEMS

Operating System: MVS
Memory Required: 175K (BYTES)
Vendor Software: GIPSY
USGS Software: DATA TRANSFORMATION PROGRAM;
UTILITY SOFTWARE
ASSEMBLER; PL/1; FORTRAN;
EASYTRIEVE; TARUS
Languages:
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.

NATIONAL MAPPING DIVISION
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.

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.

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

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
AS REQUIRED
CONTINUOUSLY
BUR 6700
SIOUX FALLS, SD 57198
MCP 3.1
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

Frequency of Input:
Frequency of Output:
Computer Makes and Models:
Computer Locations:
Operating System:
Memory Required:
Vendor Software:
USGS Software:
Languages:
Output Media:
Input Media:
Input Locations:

Definition/Description:
REFER TO DESCRIPTION IN MAIN IMAGE FILE DATA BASE.

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

Frequency of Input: (NCIC) HEADQUARTERS; MAPPING CENTER NCIC OFFICES
Frequency of Output: WEEKLY
Computer Makes and Models: AS REQUIRED
Computer Locations: AMD V7
Operating System: RESTON, VA
Memory Required: MVS
Vendor Software: 600K (BYTES)
Languages: SEQUENTIAL FILE
Output Media: PL/1; DISSPLA
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.

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

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

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
MAGNETIC TAPE; INTERACTIVE
TERMINALS
Input Media:
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

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

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
MAGNETIC TAPE; INTERACTIVE
TERMINAL; PUNCHED CARDS
Input Media:
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

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;
CONFULTING 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 COMPRIZE 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.

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

Telephone: 505 MARQUETTE, NW.
Data Bases Accessed: ALBUQUERQUE, NM 87102
Date Implemented: (505) 766-2011 (FTS) 474-2011
Last Modified: ANNUAL OBSERVATION WELL FILE
06/79
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

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.

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: QUESTREAN
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.

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
(504) 838-0729 (FTS) 680-9729
Data Bases Accessed: LEASE DATA FILE, GULF OF
MEXICO--OCS
Telephone: 01/75
Data Bases Accessed: CONTINUOUS
Date Implemented: APPLICATION
Expected Application Life: OPERATIONAL
Application Status: \$16,000
Annual Operating Costs: LIMITED
Availability for Use/Access: WEEKLY
Frequency of Input: WEEKLY
Frequency of Output: AMD V7
Computer Makes and Models: RESTON, VA
Computer Locations: GIPSY
Vendor Software: CARDS; PRINTER; DISK; TAPE
Output Media: CARDS
Input Media: 3301 N. CAUSEWAY BLVD., METAIRIE,
Input Locations: 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
(504) 838-0729 (FTS) 680-9729
Data Bases Accessed: LEASE SALE DATA FILE, GULF OF

MINERALS MANAGEMENT SERVICE
SYSTEMS

Date Implemented: MEXICO--OCS
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:

Computer Makes and Models: U.S. GEOLOGICAL SURVEY; BUREAU OF
Computer Locations: LAND MANAGEMENT; UNIVERSITIES;
Operating System: PETROLEUM COMPANIES; CONSULTING
Memory Required: COMPANIES
Vendor Software: AMD
USGS Software: RESTON, VA
Languages: OS/MVS
Output Media: 400K (BYTES)
FORTRAN
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
(504) 838-9706 (FTS) 680-9706
Telephone: 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: Data Bases Accessed: (504) 838-0729 (FTS) 680-9729
Date Implemented: MICROFILM DATA FILE
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 1V
Output Media: REPORT PREPARED FOR EACH OSRUN
PAPER AND ELECTRONIC DATA
Input Media: RESTON, VA; ANCHORAGE, AK; LOS
Input Locations: 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
Telephone:	(504) 838-0729 (FTS) 680-9729
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
MINERALS MANAGEMENT SERVICE; U.S.
GEOLOGICAL SURVEY HYDROLOGISTS
Users:
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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