DIRECTORY OF ASSISTANCE CENTERS OF THE NATIONAL WATER DATA EXCHANGE (NAWDEX)

By Beverly M. Josefson and Cassandra D. Blackwell

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DIRECTORY OF ASSISTANCE CENTERS OF THE
NATIONAL WATER DATA EXCHANGE (NAWDEX)

By

Beverly M. Josefson and Cassandra D. Blackwell

ABSTRACT
The National Water Data Exchange (NAWDEX), managed by the U.S. Geological Survey, has established a network of Assistance Centers throughout the United States and Puerto Rico to assist users of water data in identifying and locating the data they need. This Directory provides the information needed to contact any of the established Centers.

INTRODUCTION
The National Water Data Exchange (NAWDEX) is a nationwide program managed by the U.S. Geological Survey to assist users of water data or water-related data in identifying, locating, and acquiring needed data. NAWDEX is a confederation of water-oriented organizations working together to make their data more readily accessible and to facilitate a more efficient exchange of water data.

NAWDEX services are available through a Program Office located at the U.S. Geological Survey's National Center in Reston, Virginia, and a nationwide network of Assistance Centers established in 45 states and Puerto Rico to provide local and convenient access to NAWDEX facilities. This Directory provides the names of organizations and persons to contact, addresses, telephone numbers, and the various types of data and services available at each location.

SERVICES AVAILABLE
A variety of user services are provided by NAWDEX. These include assistance in identifying and locating needed water data and referring the requester to the organization that retains the data required. A Master Water Data Index is maintained which allows NAWDEX to locate those sites for which desired water data are available, and to provide the identifying information for each site necessary to obtain the data from the organization retaining it. A Water Data Sources Directory is also maintained that identifies organizations that are sources of water data and locations within these organizations from which data may be obtained. NAWDEX services are available to any organization or individual.
SERVICE CHARGES

Charges for NAWDEX services are assessed at the option of the organization providing the requested data or data service. Search assistance services are provided free by NAWDEX to the greatest extent possible. Charges are assessed, however, for those requests requiring computer services, extensive personnel time, duplicating services, or service costs accrued by NAWDEX from other sources in the course of providing services. In all cases, charges assessed by NAWDEX Assistance Centers will not exceed the direct costs incurred in responding to the data request. Estimates of cost are provided by NAWDEX upon request and in all cases where costs are anticipated to be substantial.

ADDITIONAL INFORMATION

The participation of private organizations as NAWDEX Assistance Centers does not imply endorsement by the U.S. Geological Survey of any organization, service, system, or product within the private sector. Rather, the NAWDEX program serves as a public forum for informing its users of data services and products available from all sectors of the water-data community. For additional information concerning the NAWDEX program or its services, contact:

Program Office
National Water Data Exchange (NAWDEX)
U.S. Geological Survey
421 National Center
12201 Sunrise Valley Drive
Reston, Virginia 22092

Telephone: (703) 860-6031
FTS 928-6031
LOCATIONS OF NAWDEX ASSISTANCE CENTERS

ALABAMA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 520 19th Avenue, Tuscaloosa, AL 35401
TELEPHONE:
   Commercial: (205) 752-8104 Central Time
   FTS: 229-2957
NAWDEX CONTACT: Hillary H. Jeffcoat
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
   Geographical Coverage: State of Alabama
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, WRSIC
DESCRIPTION OF EQUIPMENT USED: NAWDEX, WATSTORE

ALASKA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 733 West Fourth Avenue, Suite 400, Anchorage, AK 99501
TELEPHONE:
   Commercial: (907) 271-4138 Alaska-Hawaii Time (Pacific time minus 2 hours)
   FTS: 8-(907)-271-4138
NAWDEX CONTACT: Robert D. Lamke
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Alaska
   Media in Which Data Stored: Published, Computer-accessed printouts from WATSTORE, MWDI, GWSI
   Types of Media Output: Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: NAWDEX, WATSTORE
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Project Reports (as long as surplus printed copy available)

* * * * *

ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: 108 Skyline Building, 508 Second Avenue, Anchorage, AK 99501
Telephone:
   Commercial: (907) 277-0577 Alaska-Hawaii Time (Pacific time minus 2 hours)
   FTS: 8-(907)-277-0577
NAWDEX CONTACT: Elizabeth C. Behrendt
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Alaska
   Media in Which Data Stored: Hard copy files, Published
   Types of Media Output: Ad hoc bibliographies
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: PUBMANUS
DESCRIPTION OF EQUIPMENT USED: Portable printing terminal
ARIZONA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 301 W. Congress Street, FB-44, Tucson, AZ 85701
TELEPHONE:
  Commercial: (602) 792-6629 Mountain Time
  FTS: 762-6629
NAWDEX CONTACT: Colleen Babcock
AVAILABLE DATA FROM ORGANIZATION:
  Types of Data: Surface Water, Water Quality, Ground Water
  Geographical Coverage: State of Arizona
  Media in Which Data Stored: Machine readable, Hard copy files, Published
  Types of Media Output: Magnetic tape, Magnetic disk, Computer printout, Published (Printed), Graphics
MAJOR COMPUTER DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Datapoint 1134 and 1500 terminals, Calcomp Plotter, various interactive terminals

ARKANSAS

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 700 West Capitol, 2301 Federal Office Building, Little Rock, AR 72201
TELEPHONE:
  Commercial: (501) 378-6391 Central Time
  FTS: 740-6391
NAWDEX CONTACT: John E. Owen
AVAILABLE DATA FROM ORGANIZATION:
  Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
  Geographical Coverage: State of Arkansas
  Media in Which Data Stored: Machine readable, Hard copy files, Published
  Types of Media Output: Punched cards, Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
DESCRIPTION OF EQUIPMENT USED: Data 100 Remote Terminal and associated equipment

CALIFORNIA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 855 Oak Grove Avenue, Menlo Park, CA 94025
TELEPHONE:
  Commercial: (415) 323-8111 Pacific Time
  FTS: 467-2463
NAWDEX CONTACT: John Beck
AVAILABLE DATA FROM ORGANIZATION:
  Types of Data: Surface Water, Water Quality, Ground Water
  Geographical Coverage: State of California (coastal)
  Media in Which Data Stored: Published, Computer files
  Types of Media Output: Punched cards, Magnetic tape, Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100 Remote Terminal
ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: 7638 Federal Building, 300 North Los Angeles Street, Los Angeles, CA 90012
TELEPHONE: Commercial: (213) 688-2850 Pacific Time
FTS: 8-798-2850
NAWDEX CONTACT: Lucy E. Birdsall
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Media in Which Data Stored: Hard copy files, Published
Types of Media Output: Ad hoc bibliographies

ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: Room 122, Building 3 (MS 33), 345 Middlefield Road, Menlo Park, CA 94025
TELEPHONE: Commercial: (415) 323-8111, x2817 Pacific Time
FTS: 8-467-2817
NAWDEX CONTACT: Bruce M. Deam
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Media in Which Data Stored: Hard copy files, Published
Types of Media Output: Ad hoc bibliographies
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: PUBMANUS
DESCRIPTION OF EQUIPMENT USED: Video terminal and printer

ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: 504 Custom House, 555 Battery Street, San Francisco, CA 94111
TELEPHONE: Commercial: (415) 556-5627 Pacific Time
FTS: 8-556-5627
NAWDEX CONTACT: Patricia A. Shiffer
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: States of Alaska (selected), Arizona, California, Hawaii, Idaho, Nevada, Oregon, Washington
Media in Which Data Stored: Hard copy files, Published
Types of Media Output: Ad hoc bibliographies
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: PUBMANUS
DESCRIPTION OF EQUIPMENT USED: Video terminal and letter-quality printer
COLORADO

ORGANIZATION: Colorado Water Resources Research Institute
ADDRESS: Colorado State University, Fort Collins, CO 80523
TELEPHONE:
    Commercial: (303) 491-5371 Mountain Time
NAWDEX CONTACT: Norman A. Evans
AVAILABLE DATA FROM ORGANIZATION:
    Geographical Coverage: State of Colorado
    MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: WRSIC
    DESCRIPTION OF EQUIPMENT USED: Data 100, Model 78 terminal and printer

* * * *

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Building 53, Denver Federal Center, Mail Stop 415, Box 25046
         Lakewood, CO 80225
TELEPHONE:
    Commercial: (303) 234-3458 Mountain Time
    FTS: 234-3458
NAWDEX CONTACT: Harold E. Petsch, Jr.
AVAILABLE DATA FROM ORGANIZATION:
    Types of Data: Surface Water, Water Quality, Ground Water
    Geographical Coverage: State of Colorado
    Media in Which Data Stored: Machine readable, Hard copy files,
                                  Microform, Published
    Types of Media Output: Punched cards, Magnetic tape, Computer printout,
                            Published (Printed)
    MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
    DESCRIPTION OF EQUIPMENT USED: Data 100, Model 78
    ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY
    ORGANIZATION: Daily Values Hydrographs

* * * *

ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: 169 Federal Building, 1961 Stout Street, Denver, CO 80294
TELEPHONE:
    Commercial: (303) 837-4169 Mountain Time
    FTS: 8-327-4169
NAWDEX CONTACT: Irene V. Shy
AVAILABLE DATA FROM ORGANIZATION:
    Types of Data: Surface Water, Water Quality, Ground Water
    Geographical Coverage: States of Alaska (selected), Arizona, Colorado,
                           Kansas (selected), Montana (selected), Nebraska
                           (selected), New Mexico, North Dakota (selected),
                           South Dakota (selected), Utah, Wyoming
    Media in Which Data Stored: Hard copy files, Published
    Types of Media Output: Ad hoc bibliographies
CONNECTICUT

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Abraham A. Ribicoff Federal Building, 450 Main Street, Room 525, Hartford, CT 06103

TELEPHONE:
Commercial: (203) 244-2528 Eastern Time
FTS: 244-2528

NAWDEX CONTACT: Lawrence A. Weiss

AVAILABLE DATA FROM ORGANIZATION: Water Resources, Hydrologic Data
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
Geographical Coverage: State of Connecticut
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Computer printout, Published (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET, WRSIC
DESCRIPTION OF EQUIPMENT USED: Data 100 Terminal with printer, Intertec Superbrain with Data South Printer, Datagraphix with T.I. Printer, Techtronix 4052, CPT 8000 word processor with communications to Amdahl in Reston.

DELWARE

(See U.S. Geological Survey Office in Maryland)

DISTRICT OF COLUMBIA

ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: 1028 General Services Building, 19th and F Streets, North West, Washington, DC 20244

TELEPHONE:
Commercial: (202) 343-8073 Eastern Time
FTS: 8(202)-343-8073

NAWDEX CONTACT: Bruce A. Hubbard

AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: All States
Media in Which Data Stored: Hard copy files, Published
Types of Media Output: Ad hoc bibliographies

FLORIDA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 325 John Knox Road, Suite F-240, Tallahassee, FL 32303

TELEPHONE:
Commercial: (904) 386-7145 Eastern Time
FTS: 386-7145

NAWDEX CONTACT: Martha E. Thagard
AVAILABLE DATA FROM ORGANIZATION:

Types of Data: Surface Water, Water Quality, Ground Water, Precipitation, Meteorological

Geographical Coverage: State of Florida

Media in Which Data Stored: Machine readable, Hard copy files, Published

Types of Media Output: Punched cards, Magnetic tape, Magnetic disk, Computer printout, Published (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET

DESCRIPTION OF EQUIPMENT USED: Data 100, Model 70-2 with tape drive, card punch

* * * * *

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 7815 Coral Way, Suite 110, Miami, FL 33155
TELEPHONE:
Commercial: (305) 350-5382 Eastern Time
FTS: 350-5382

NAWDEX CONTACT: Ellis Donsky

AVAILABLE DATA FROM ORGANIZATION:

Types of Data: Surface Water, Water Quality, Ground Water

Geographical Coverage: Southern Florida

Media in Which Data Stored: Machine readable, Hard copy files, Published

Types of Media Output: Computer Printout, Published (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET, HISARS, WRSIC

DESCRIPTION OF EQUIPMENT USED: Data 100, Model 78

* * * * *

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 80 North Hughey Avenue, Suite 216, Federal Building, Orlando, FL 32801
TELEPHONE:
Commercial: (305) 420-6191 Eastern Time
FTS: 820-6191

NAWDEX CONTACT: Larry Fayard

AVAILABLE DATA FROM ORGANIZATION:

Types of Data: Surface Water, Water Quality, Ground Water

Geographical Coverage: North and East Florida

Media in Which Data Stored: Machine readable, Hard copy files

Types of Media Output: Punched cards, Magnetic tape, Magnetic disk, Computer printout, Microfiche, Published (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET, HISARS, WRSIC, MIS

DESCRIPTION OF EQUIPMENT USED: WANG Mini Computer, Data 100 batch terminals, Superbrain Microcomputer
FLORIDA--Continued

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 4710 Eisenhower Boulevard, Suite B-5, Tampa, FL 33614
TELEPHONE:
Commercial: (813) 228-2124 Eastern Time
FTS: 826-2124
NAWDEX CONTACT: G. Lynn Barr
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: West-Central Florida
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100, Model 70-1

GEORGIA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 6481 Peachtree Industrial Boulevard, Suite B, Doraville, GA 30360
TELEPHONE:
Commercial: (404) 221-4858 Eastern Time
FTS: 242-4858
NAWDEX CONTACT: James L. Pearman
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: State of Georgia
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Magnetic disk, Computer printout, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100, Model 78

HAWAII

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Post Office Box 50166, 300 Ala Moana Boulevard, Honolulu, HI 96850
TELEPHONE:
Commercial: (808) 546-8331 Alaska-Hawaii Time
FTS: 8-(808)-546-8331 (Pacific Time minus 2 hours)
NAWDEX CONTACT: Salwyn S. Chinn
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
Geographical Coverage: Hawaiian Islands, Trust Territory of the Pacific Islands, Guam, American Samoa, and Northern Marianas Islands
Media in Which Data Stored: Machine readable, Published
Types of Media Output: Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
DESCRIPTION OF EQUIPMENT USED: Harris computer at Fort Shafter Army Base, in Honolulu.
IDAHO

ORGANIZATION:  U.S. Geological Survey, Water Resources Division
ADDRESS:  Box 036, Federal Building, 550 West Fort Street, Boise, ID 83724

TELEPHONE:

Commercial:  (208) 334-1750 Mountain Time
FTS:  554-1750

NAWDEX CONTACT:  Luther C. Kjelstrom

AVAILABLE DATA FROM ORGANIZATION:
Types of Data:  Surface Water, Water Quality, Ground Water
Geographical Coverage:  State of Idaho
Media in Which Data Stored:  Machine readable, Hard copy files, Published
Types of Media Output:  Computer printout, Published (Printed)

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED:  NAWDEX, WATSTORE, STORET

DESCRIPTION OF EQUIPMENT USED:  Data 100 batch terminal, Tektronix graphics, CRT terminals, Calcomp plotter

ILLINOIS

ORGANIZATION:  U.S. Geological Survey, Water Resources Division
ADDRESS:  Champaign County Bank Plaza, Fourth Floor, 102 East Main Street, Urbana, IL 61801

TELEPHONE:

Commercial:  (217) 398-5353 Central Time
FTS:  8-(217)-958-5353

NAWDEX CONTACT:  G. Wayne Curtis

AVAILABLE DATA FROM ORGANIZATION:
Types of Data:  Surface Water, Water Quality, Ground Water, Geologic Descriptions
Geographical Coverage:  State of Illinois
Media in Which Data Stored:  Machine readable, Hard copy files, Published
Types of Media Output:  Magnetic tape, Magnetic disk, Computer printout, Published (Printed)

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED:  NAWDEX, WATSTORE, STORET

DESCRIPTION OF EQUIPMENT USED:  Data 100, tape drive card reader and line printer, Superbrain Microcomputer with Datasouth printer, CPT 8000 word processor and printer

ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION:  Various statistical and application programs

INDIANA

ORGANIZATION:  U.S. Geological Survey, Water Resources Division
ADDRESS:  6023 Guion Road, Suite 201, Indianapolis, IN 46254

TELEPHONE:

Commercial:  (317) 927-8640 Eastern Time
FTS:  336-8640

NAWDEX CONTACT:  E. James Crompton
AVAILABLE DATA FROM ORGANIZATION:
  Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: State of Indiana
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Computer printout, Published
(Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, WRSIC
DESCRIPTION OF EQUIPMENT USED: Data 100, Model 70-1, Card reader, Line printer, Card punch
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Elevations and locations of benchmarks

IOWA

ORGANIZATION: Iowa Water Resources Data System (IWARDS), Iowa Geological Survey
ADDRESS: 123 North Capitol Street, Iowa City, IA 52242
TELEPHONE:
  Commercial: (319) 338-1173 Central Time
NAWDEX CONTACT: Richard L. Talcott
AVAILABLE DATA FROM ORGANIZATION:
  Types of Data: Water Quality, Ground Water, Precipitation
Geographical Coverage: State of Iowa
Media in Which Data Stored: Machine readable
Types of Media Output: Magnetic tape, Computer printout, Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
DESCRIPTION OF EQUIPMENT USED: Perkin-Elmer 3220 with HASP Emulator
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Landsat Image Processing

*   *   *   *

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 269, Federal Building, 400 South Clinton, Box 1230, Iowa City, IA 52240
TELEPHONE:
  Commercial: (319) 337-4191 Central Time
  FTS: 863-6521
NAWDEX CONTACT: Daniel J. Gockel
AVAILABLE DATA FROM ORGANIZATION:
  Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: State of Iowa
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Multi-level work station with a 600 LPM printer. Equipment communicates with the Amdahl computer in Reston, Va., and at the Univ. of Iowa, Iowa City, Iowa.
KANSAS

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 1950 Avenue A, Campus West, University of Kansas,
Lawrence, KS 66045

TELEPHONE:
   Commercial: (913) 864-4321 Central Time
   FTS: 752-2300

NAWDEX CONTACT: Charlene Merry

AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Kansas
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Magnetic tape, Computer printout

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET

DESCRIPTION OF EQUIPMENT USED: HARRIS 5125 Minicomputer System

KENTUCKY

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 572, Federal Building, 600 Federal Place,
Louisville, KY 40202

TELEPHONE:
   Commercial: (502) 582-5241 Eastern Time
   FTS: 352-5241

NAWDEX CONTACT: Jay Kiesler

AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Kentucky
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Punched cards, Magnetic tape, Magnetic disk,
   Computer printout, Published (Printed)

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE

DESCRIPTION OF EQUIPMENT USED: Data 100, Model 70, WANG 2200

LOUISIANA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: P.O. Box 66492, 6554 Florida Boulevard, Baton Rouge, LA 70896

TELEPHONE:
   Commercial: (504) 389-0281 Central Time
   FTS: 687-0281

NAWDEX CONTACT: Max Forbes or Christie Godwin

AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water, *Precipitation,
   *Meteorological (*in office records of NOAA), Geological
   Geographical Coverage: State of Louisiana
LOUISIANA--Continued

Media in Which Data Stored: Machine readable as retrieved from WATSTORE, Hard copy files, Microform (some), Published Published (Printed), Graphics
Types of Media Output: Magnetic tape (from Reston), Magnetic disk, Computer printout

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, WRSIC
DESCRIPTION OF EQUIPMENT USED: DATA 100, Model 78 terminal, Model 74 keybatch
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Incidental information requests

MAINE

(See U.S. Geological Survey Office in Massachusetts)

MARYLAND

ORGANIZATION: M/A-Com Sigma Data
ADDRESS: 5515 Security Lane, Rockville, MD 20852
TELEPHONE:
Commercial: (301) 984-3636 Eastern Time
NAWDEX CONTACT: Ralph Tartaglione
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation, Meteorological, Environmental Health, Air Quality
Geographical Coverage: United States; by monitoring site, county, state, or hydrologic units
Media in Which Data Stored: Machine readable
Types of Media Output: Magnetic tape, Magnetic disk, Computer printout, Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET, IDB (CEQ), SAROAD (EPA), WDROP (EPA)
DESCRIPTION OF EQUIPMENT USED: Mainframe-IBM, Boeing Computer Services.
Almost any type of computer terminal may be used to operate our software packages.
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: M/A-Com Sigma Data personnel provide computerized data storage, retrieval and analysis systems for their customers. These systems are designed for the non-computer-oriented user. The user may select from a wide variety of data, restrict the data in any way by application of Boolean logic, and analyze it interactively. Our analytical procedures include data manipulation, statistical, and graphic analyses. We also, provide a wide range of User Support functions, including data acquisition, documentation, problem solving, and analytical consultation and operations.
MARYLAND—Continued

ORGANIZATION: General Software Corporation
ADDRESS: Metro-Plex, 8401 Corporate Drive, Landover, MD 20785
TELEPHONE:
Commercial: (301) 459-9494 Eastern Time
FTS: 202-459-9494
NAWDEX CONTACT: J. Stewart McKenzie
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Water Quality
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY
ORGANIZATION: GSC provides professional consulting services and software development in the areas of applied systems, environmental data handling, analysis and modeling, computer graphics and cartography, and geographic information systems.

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ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 208 Carroll Building, 8600 LaSalle Road, Towson, MD 21204
TELEPHONE:
Commercial: (301) 828-1535 Eastern Time
FTS: 8-(922)-7872, 7849
NAWDEX CONTACT: Robert W. James, Jr. or Myron N. Lys
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, *Precipitation
*Meteorological (*NOAA Publications)
Geographical Coverage: Maryland, Delaware, District of Columbia
Media in Which Data Stored: Hard copy files, Microform, Published
Types of Media Output: Punched cards, Magnetic tape, Magnetic disk,
Computer printout, Microfiche, Published (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100, Tektronix 4051, 4052

MASSACHUSETTS

ORGANIZATION: Environmental Research and Technology, Inc.
ADDRESS: 696 Virginia Road, Concord, MA 01742
TELEPHONE:
Commercial: (617) 369-8910 Eastern Time
NAWDEX CONTACT: Gloria McCleary, Water Resources Operations
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: Nationwide
Media in Which Data Stored: Machine Readable
Types of Media Output: Magnetic Disk, Computer Printout, Graphics
MASSACHUSETTS--Continued

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: HP-85 Microcomputer, with data communications capabilities
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: A hydrologic information system (HIS) which provides real time, hydrologic data via satellite transmission. The present installation includes 14 satellite-linked gaging stations on the Arkansas River.

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ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 150 Causeway Street, Suite 1001, Boston, MA 02114
TELEPHONE:
   Commercial: (617) 223-2822 Eastern Time
   FTS: 223-2822
NAWDEX CONTACT: James D. Linney
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
   Geographical Coverage: State of Massachusetts
   Media in Which Data Stored: Hard copy files, Microform, Published
   Types of Media Output: Computer printout, Microfiche, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100, Model 70-1

MICHIGAN

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 6520 Mercantile Way, Suite 5, Lansing, MI 48910
TELEPHONE:
   Commercial: (517) 377-1608 Eastern Time
   FTS: 374-1608
NAWDEX CONTACT: Gary C. Huffman or John B. Miller
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Michigan
   Media in Which Data Stored: Machine readable, Published, Microfiche
   Types of Media Output: Computer Printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, WRSIC
DESCRIPTION OF EQUIPMENT USED: Control Data 100 Terminal, Intertec, Superbrain Computer
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Statistical summaries of surface-water data

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MINNESOTA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 702 Post Office Building, St. Paul, MN 55101
TELEPHONE:
   Commercial: (612) 725-7841 Central Time
   FTS: 725-7841
NAWDEX CONTACT: James Jacques
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Minnesota
   Media in Which Data Stored: Hard copy files
   Types of Media Output: Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
DESCRIPTION OF EQUIPMENT USED: Datapoint 1134 with a 300 LPM Printer

MISSISSIPPI

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Suite 710, Federal Office Building, 100 West Capitol Street Jackson, MS 39269
TELEPHONE:
   Commercial: (601) 960-4600 Central Time
   FTS: 490-4600
NAWDEX CONTACT: Fred Morris, III
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Mississippi
   Media in Which Data Stored: Machine readable, Hard copy files, Microform, Published
   Types of Media Output: Magnetic disk, Computer printout, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Datapoint 1134, Houston ComPlot DP-8

MISSOURI

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 1400 Independence Road, Mail Stop 200, Rolla, MO 65401
TELEPHONE:
   Commercial: (314) 341-0824 Central Time
   FTS: 277-0824
NAWDEX CONTACT: Wayne Berkas
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Missouri
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Punched cards, Magnetic tape, Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Datapoint 5500
MONTANA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Federal Building, Drawer 10076, 301 So. Park Avenue, Helena, MT 59626-0076

TELEPHONE:
Commercial: (406) 449-5263 Mountain Time
FTS: 585-5263

NAWDEX CONTACT: Jay H. Diamond

AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
Geographical Coverage: State of Montana and some streamflow sites in the Canadian Provinces of Alberta and Saskatchewan.
Media in Which Data Stored: Hard copy files, Published
Types of Media Output: Magnetic disk, Computer printout, Published (Printed)

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE

DESCRIPTION OF EQUIPMENT USED: Data 100, Model 70-1

NEBRASKA

ORGANIZATION: Nebraska Natural Resources Commission
ADDRESS: 301 Centennial Mall South, P.O. Box 94876, Lincoln, NE 68509

TELEPHONE:
Commercial: (402) 471-2081 Central Time

NAWDEX CONTACT: Mahendra K. Bansal, Head, Data Bank Section, Natural Resources Information System

AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation, Meteorological (climatological), Water Rights, Well Registration, Center Pivots, Agricultural Crops, Demographic, Dams Inventory, and Limited Soil Surveys and Interpretations
Geographical Coverage: State of Nebraska
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Magnetic tape, Magnetic disk, Computer printout, Published (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: WATSTORE, STORET, HISARS, Nebraska Natural Resources Information System (NNRIS)

DESCRIPTION OF EQUIPMENT USED: Data Communications stations IBM 3777/Model 1 and IBM 3741/Model 2; printers IBM 3203 and IBM 3715; and dual data entry station IBM 3742 linked to the University of Nebraska, Lincoln Computing Facility.

ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Direct data access facility available to all users. Hardware compatibility is required to communicate with IBM 370/158 Computer System of the University of Nebraska, Lincoln Computing Facility. Copies of the Users Manual, and Data Access Manual are available on request.
ORGANIZATION: HDR Systems, Inc.
ADDRESS: 8404 Indian Hills Drive, Omaha, NE 68114
TELEPHONE:
   Commercial: (402) 399-1400 Central Time
NAWDEX CONTACT: Robert P. Rohrbough
AVAILABLE DATA FROM ORGANIZATION:
   Geographical Coverage: Nationwide, International
   Media in Which Data Stored: Machine readable
   Types of Media Output: Magnetic tape, Computer printout, Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX
DESCRIPTION OF EQUIPMENT USED: CDC Cyber 730
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY
ORGANIZATION:
   HDR Systems provides timesharing services to our clients through the CDC Cyber 730. We utilize both Tymnet and WATS for our communications access. The Cyber is 198K - 60 bit words, 2.5+ billion characters of disk storage with 14 peripheral processors. The application library, available to users, contains: Engineering, Financial Planning/Modeling, Plotting, Research/Statistical, Data Base Management, Graphics, and Business.

HCMAPPER is specifically designed for the map-plotting of data stored in the Master Water Data Index (MWDI). Subsets of data may be retrieved from the MWDI using the NAWDEX generalized retrieval system and transferred to HDR Systems, Inc. for plotting. The NAWDEX Program Office will assist users in this transfer process until automated transfer procedures can be established for this purpose. Also, for those users whose needs are such that direct access to HCMAPPER is not practical or desired, HDR SYSTEMS, Inc. will produce maps as a product service.

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ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 406, Federal Building & U.S. Courthouse, 100 Centennial Mall North, Lincoln, NE 68508
TELEPHONE:
   Commercial: (402) 471-5082 Central Time
   FTS: 541-5082
NAWDEX CONTACT: Donald E. Schild
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Nebraska
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Punched cards, Magnetic tape, Computer printout, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, Local System
DESCRIPTION OF EQUIPMENT USED: Datapoint 1134, Card reader (300 cpm), NUMONICS 1224 Digitizer, Calcomp 1037 plotter, 300 LPM printer, Superbrain QD (will be used as terminal), Datagraphix 132B, IBM Keypunch 129-3 and IBM 3742 key to disk.
NEVADA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 227, Federal Building, 705 North Plaza Street, Carson City, NV  89701
Telephone:
  Commercial: (702) 882-1388 Pacific Time
  FTS: 470-5911 (ask operator for 882-1388, 1389)
NAWDEX CONTACT: Howard R. Frisbie
AVAILABLE DATA FROM ORGANIZATIONS:
  Types of Data: Surface Water, Water Quality, Ground Water
  Geographical Coverage: State of Nevada
  Media in Which Data Stored: Machine readable, Published
  Types of Media Output: Magnetic disk (floppy), Computer printout, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Datapoint 1800

NEW HAMPSHIRE

(See U.S. Geological Survey Office in Massachusetts)

NEW JERSEY

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 430, Federal Building, 402 East State Street, Trenton, NJ 08608
TELEPHONE:
  Commercial: (609) 989-2162 Eastern Time
  FTS: 483-2162
NAWDEX CONTACT: Brian D. Gillespie
AVAILABLE DATA FROM ORGANIZATION:
  Types of Data: Surface Water, Water Quality, Ground Water
  Geographical Coverage: State of New Jersey
  Media in Which Data Stored: Machine readable, Hard copy files, Microform, Published, Computer Disk Files
  Types of Media Output: Punched cards, Magnetic tape, Magnetic disk, Computer printout, Microfiche, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, WRSIC
DESCRIPTION OF EQUIPMENT USED: DEC PDP 1134 with RSX-11M Operating System, WANG VP System
NEW MEXICO

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 720, Western Bank Building, 505 Marquette, NW, Albuquerque, NM 87125

TELEPHONE:
Commercial: (505) 766-2011 Mountain Time
FTS: 474-2011

NAWDEX CONTACT: Linda Beal

AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation, Meteorological
Geographical Coverage: New Mexico and surrounding States
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Magnetic tape, Computer printout, Published (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Harris Minicomputer with tape drive - no card punch.

NEW YORK

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: P.O. Box 1350, Albany, NY 12201

TELEPHONE:
Commercial: (518) 472-3107 Eastern Time
FTS: 562-3107

NAWDEX CONTACT: Benjamin B. Eissler

AVAILABLE DATA FOR ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: State of New York
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Magnetic tape

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100 Remote Job Entry Terminal

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ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 5 Aerial Way, Syosset, NY 11791

TELEPHONE:
Commercial: (516) 938-8830 Eastern Time
FTS: 8-(516)-938-8830

NAWDEX CONTACT: George W. Hawkins

AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
Geographical Coverage: Long Island
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Magnetic tape, Magnetic disk, Computer printout, Published (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100, Model 70-2, Data General Nova 1220
NORTH CAROLINA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: P.O. Box 2857, Raleigh, NC 27602
TELEPHONE:
    Commercial: (919) 755-4510 Eastern Time
    FTS: 672-4510
NAWDEX CONTACT: Joseph S. Riggsbee
AVAILABLE DATA FROM ORGANIZATION:
    Types of Data: Surface Water, Water Quality, Ground Water, Precipitation (limited)
    Geographical Coverage: State of North Carolina
    Media in Which Data Stored: Machine readable, Hard copy files, Published
    Types of Media Output: Punched cards, Magnetic tape, Magnetic disk, Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, USGS NC District Computer File
DESCRIPTION OF EQUIPMENT USED: Batch and Interactive Terminals, WANG Minicomputer
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Flood-Prone Maps

NORTH DAKOTA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 821 East Interstate Avenue, Bismarck, ND 58501
TELEPHONE:
    Commercial: (701) 255-4011 Central Time
    FTS: 783-4604
NAWDEX CONTACT: Russell E. Harkness,
AVAILABLE DATA FROM ORGANIZATION:
    Types of Data: Surface Water, Water Quality, Ground Water
    Geographical Coverage: State of North Dakota
    Media in Which Data Stored: Machine readable, Hard copy files, Published
    Types of Media Output: Computer Printout, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Datapoint 1134

OHIO

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 975 West Third Avenue, Columbus, OH 43212
TELEPHONE:
    Commercial: (614) 469-5553 Eastern Time
    FTS: 943-5553
NAWDEX CONTACT: Ann E. Arnett
AVAILABLE DATA FROM ORGANIZATION:
    Types of Data: Surface Water, Water Quality, Ground Water, Precipitation, GWSI, Landsat Browse File
Geographical Coverage: State of Ohio
Media in Which Data Stored: Machine readable, Hard copy files, Microform, Published
Types of Media Output: Computer printout, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100, Model 70-1
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Ohio Flood-Prone Area Maps

OKLAHOMA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 621, Old Post Office Bldg., 215 Dean A. McGee Ave., Oklahoma City, OK 73102
TELEPHONE: Commercial: (405) 231-4256 Central Time
FTS: 736-4256
NAWDEX CONTACT: Lionel D. Mize
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation (Miscellaneous)
Geographical Coverage: State of Oklahoma
Media in Which Data Stored: Hard copy files, Published,
Types of Media Output: Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET, WRSIC
DESCRIPTION OF EQUIPMENT USED: Harris Terminal and Printer, HP9845B, Datagraphix 132B, Superbrain QD

OREGON

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 847 NE 19th Avenue, Suite 300, Portland, OR 97232
TELEPHONE: Commercial: (503) 231-2020 Pacific Time
FTS: 429-2020
NAWDEX CONTACT: Lawrence E. Hubbard
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: State of Oregon
Media in Which Data Stored: Machine readable, Hard copy files, Microform, Published
Types of Media Output: Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: DEC 1134
OREGON--Continued

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: c/o Oregon Water Resources Department, 555 13th Street, NE,
Salem, OR 97310

TELEPHONE:
   Commercial: (503) 378-3671 Pacific Time
   FTS: 8-(503)-378-3671

NAWDEX CONTACT: David L. Weiss

AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Precipitation
   Geographical Coverage: State of Oregon
   Media in Which Data Stored: Hard copy files, Published
   Types of Media Output: Computer printout, Published (Printed)

DESCRIPTION OF EQUIPMENT USED: Altos V-80 Micro Computer, Inte-color terminal and printer, Tektronix plotter
Tektronix terminal and Diablo Printer

PENNSYLVANIA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: P.O. Box 1107, Fourth Floor, Federal Building, 228 Walnut Street,
Harrisburg, PA 17108

TELEPHONE:
   Commercial: (717) 782-3851 Eastern Time
   FTS: 590-3851

NAWDEX CONTACT: Robert Helm

AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water, Flood-prone Area Maps
   Geographical Coverage: State of Pennsylvania
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Magnetic tape, Computer printout, Published (Printed)

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE

DESCRIPTION OF EQUIPMENT USED: Datapoint 1800, CRT Printer, Card Reader

ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Flood-Prone Area Maps

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ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Great Valley Corporate Center, 35 Great Valley Parkway,
Malvern, PA 19355

TELEPHONE:
   Commercial: (215) 647-9008 Eastern Time
   FTS: 8-(215)-647-9008

NAWDEX CONTACT: Deloris W. Speight
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
Geographical Coverage: Delaware River Basin
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Computer printout, Published
(Printed), Diskette

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: CPT 8000, Data 100, Model 70-1, T.I. Silent 700

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 2204, Moorhead Federal Building, 1000 Liberty Avenue, Pittsburgh, PA 15222
TELEPHONE: Commercial: (412) 644-2864 Eastern Time
FTS: 722-2864
NAWDEX CONTACT: Alexander King

AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: Western Pennsylvania
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Computer printout, Published
(Printed), CPT 8000 - 8” floppy disk

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100 Batch Terminal, Printer and Card punch, CPT 8000 - Word Processor, TSO Terminal, and Printer.

PUERTO RICO (includes Virgin Islands)

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: GPO Box 4424, San Juan, PR 00936
TELEPHONE: Commercial: (809) 783-4660 Atlantic Time
FTS: 8-(809)-753-4414
NAWDEX CONTACT: Ferdinand Quinones, District Chief
Hector Colon-Ramos, Project Contact

AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: Puerto Rico and U.S. Virgin Islands
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Magnetic tape, Computer printout, Published (Printed)

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Hewlitt Packard 9830B Remote Entry Job Terminal
RHODE ISLAND

(See U.S. Geological Survey Office in Massachusetts)

SOUTH CAROLINA

ORGANIZATION: South Carolina Water Resources Commission
ADDRESS: P.O. Box 50506, 1001 Harden Street, Suite 250, Columbia, SC 29250
TELEPHONE:
    Commercial: (303) 758-2514 Eastern Time
NAWDEX CONTACT: Joe Harrigan
AVAILABLE DATA FROM ORGANIZATION:
    Types of Data: Water Quality, Ground Water, Water Use Data
    Geographical Coverage: State of South Carolina
    Media in Which Data Stored: Hard copy files, Published
    Types of Media Output: Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: HISARS (available in 2 years)
DESCRIPTION OF EQUIPMENT USED: Courier Model 110172-001

SOUTH DAKOTA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 317, Federal Building, 200 4th Street, SW, Huron, SD 57350
TELEPHONE:
    Commercial: (605) 352-8651, ext. 258 Eastern Time
    FTS: 782-2258
NAWDEX CONTACT: John R. Little
AVAILABLE DATA FROM ORGANIZATION:
    Types of Data: Surface Water, Water Quality, Ground Water
    Geographical Coverage: State of South Dakota
    Media in Which Data Stored: Machine readable, Hard copy files, Microform, Published
    Types of Media Output: Computer printout, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
DESCRIPTION OF EQUIPMENT USED: Datapoint 1500
TENNESSEE

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: A-413 Federal Building, U.S. Courthouse, Nashville, TN 37203
TELEPHONE:
Commercial: (615) 251-5424 Central Time
FTS: 852-5424
NAWDEX CONTACT: Jerry F. Lowery
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation
Geographical Coverage: State of Tennessee
Media in Which Data Stored: Machine readable, Hard copy files, Microform, Published
Types of Media Output: Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET, WRSIC
DESCRIPTION OF EQUIPMENT USED: Data 100 I/O, WANG WP, WANG 2200, Datagraphix, TI Silent 700

TEXAS

ORGANIZATION: Texas Natural Resources Information System
ADDRESS: P. O. Box 13087, Austin, TX 78711
TELEPHONE:
Commercial: (512) 475-3321 Central Time
NAWDEX CONTACT: John Wilson
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water, Precipitation, Meteorological
Geographical Coverage: State of Texas
Media in Which Data Stored: Machine readable, Hard copy files, Microform, Published
Types of Media Output: Magnetic tape, Computer printout, Microfiche, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET, TNRIS, WRSIC
DESCRIPTION OF EQUIPMENT USED: Univac 1100/62 computer, Disk, 6250 BPI tapes

UTAH

ORGANIZATION: Utah Division of Water Rights
ADDRESS: Room 231, 1636 West North Temple, Salt Lake City, UT 84116
TELEPHONE:
Commercial: (801) 533-6071 Mountain Time
NAWDEX CONTACT: James Riley
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Ground Water, Water Rights, Well Logs
Geographical Coverage: State of Utah
Media in Which Data Stored: Hard copy files, Microform, Published
Types of Media Output: Magnetic tape, Magnetic disk, Computer printout, Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Hewlett-Packard 3000 Series 44 computer
TEXAS--Continued

ORGANIZATION: Center for Water Resources Research
ADDRESS: Utah State University, UMC-82, Logan, UT 84322
TELEPHONE:
   Commercial: (801) 750-3157 or 3192  Mountain Time
   FTS: 8-(801)-750-3157 or 3192
NAWDEX CONTACT: Christopher J. Duffy or Mardyne Matthews
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water, Precipitation, Meteorological
   Geographical Coverage: State of Utah (Northern)
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Magnetic tape, Magnetic disk, Computer printout, Published (Printed)
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: STORET
DESCRIPTION OF EQUIPMENT USED: Vax, Burroughs 6700

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ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room 1016, Administration Building, 1745 West 1700 South, Salt Lake City, UT 84104
TELEPHONE:
   Commercial: (801) 524-5654  Mountain Time
   FTS: 588-5654
NAWDEX CONTACT: Scott D. Bartholoma
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Utah
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Punched cards, Magnetic tape, Computer printout, Published (Printed), Graphics
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
DESCRIPTION OF EQUIPMENT USED: Data 100, (Model 76), tape drive, card punch, and CalComp 1039 plotter

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ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: 8105 Federal Building, 125 South State Street, Salt Lake City, UT 84138
TELEPHONE:
   Commercial: (801) 524-5652  Mountain Time
   FTS: 8-588-5652
NAWDEX CONTACT: Wendy R. Hassibe
AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: States of Arizona, Colorado, Idaho, Montana (selected), Nevada, New Mexico (selected), Utah, Wyoming
   Media in Which Data Stored: Hard copy files, Published
   Types of Media Output: Ad hoc bibliographies
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: PUBMANUS
DESCRIPTION OF EQUIPMENT USED: Video terminal and letter-quality printer
VERMONT
(See U.S. Geological Survey Office in Massachusetts)

VIRGINIA

ORGANIZATION: Virginia Water Resources Research Center
ADDRESS: Virginia Polytechnic Institute and State University,
       617 North Main Street, Blacksburg, VA 24060
TELEPHONE:
       Commercial: (703) 961-5624       Eastern Time
NAWDEX CONTACT: T. W. Johnson
AVAILABLE DATA FROM ORGANIZATION: Virginia Streamflow, Climatic, and Peakflow
Types of Data: Surface Water, Precipitation, Meteorological
Geographical Coverage: State of Virginia with some coverage in
North Carolina, District of Columbia, Maryland, and Pennsylvania
Media in Which Data Stored: Machine readable
Types of Media Output: Punched cards, Magnetic tape, Magnetic disk,
       Computer printout

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: HISARS, WRSIC
DESCRIPTION OF EQUIPMENT USED: HP2621P Terminal, IBM 360/370

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ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 200 West Grace Street, Room 304, Richmond, VA 23220
TELEPHONE:
       Commercial: (804) 771-2427       Eastern Time
       FTS: 925-2427
NAWDEX CONTACT: Edwards H. Nuckels
AVAILABLE DATA FROM ORGANIZATION:
Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: State of Virginia
Media in Which Data Stored: Machine readable, Hard copy files, Published
Types of Media Output: Punched cards, Magnetic tape, Computer printout
MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
DESCRIPTION OF EQUIPMENT USED: Batch Terminal - Data 100, Model 78-111

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ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: National Water Data Exchange, 421 National Center, Reston, VA 22092
TELEPHONE:
       Commercial: (703) 860-6031       Eastern Time
       FTS: 928-6031
NAWDEX CONTACT: Marian Guckert
AVAILABLE DATA FROM ORGANIZATION: Index information about the availability of surface water, water quality, ground water, meteorological/precipitation data, sediment studies, water use studies, areal investigations, and other water-resources investigations and related data.

Geographical Coverage: International
Media in Which Data Stored: Machine readable, Hard copy files, Microform, Published, Ad hoc computer reports
Types of Media Output: Punched cards, Magnetic tape, Computer printed, Microfiche, Published (Printed), Graphics, Statistical analysis, Plots

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE, STORET
DESCRIPTION OF EQUIPMENT USED: AMDAHL 470 V/7 computer and associated hardware
ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: All NAWDEX documents, direct access by users to the NAWDEX, WATSTORE, and STORET data bases, Data Search Assistance, and specific Information products: Water Data Sources Directory, Summary of Indexed Water Data, Catalog and Indexes of Water-Data Acquisition Activities.

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ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: 503 National Center, Room 1C402, Reston, VA 22092
TELEPHONE:
   Commercial: (703) 860-6167 Eastern Time
   FTS: 8-928-6167
NAWDEX CONTACT: Margaret E. Counce

AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: All States
   Media in Which Data Stored: Hard copy files, Published
   Types of Media Output: Computer Printout, Ad hoc bibliographics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: PUBMANUS
DESCRIPTION OF EQUIPMENT USED: Video terminal and letter-quality printer

WASHINGTON

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Suite 600, 1 Washington Plaza, 1201 Pacific Avenue, Tacoma, WA 98402
TELEPHONE:
   Commercial: (206) 593-6510 Pacific Time
   FTS: 390-6510
NAWDEX CONTACT: J. R. Williams
WASHINGTON--Continued

AVAILABLE DATA FROM ORGANIZATION:

Types of Data: Surface Water, Water Quality, Ground Water
Geographical Coverage: State of Washington
Media in Which Data Stored: Hard copy files, Published
Types of Media Output: Punched cards, Magnetic tape, Computer printout, Published (Printed)

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE
DESCRIPTION OF EQUIPMENT USED: Data 100, Model 78

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ORGANIZATION: Public Inquiries Office, U.S. Geological Survey
ADDRESS: 678 U.S. Courthouse, West 920 Riverside Avenue, Spokane, WA 99201
TELEPHONE:
  Commercial: (509) 456-2524 Pacific Time
  FTS: 8-439-2524
NAWDEX CONTACT: Jean E. Flechel

WEST VIRGINIA

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: 3416 Federal Building and U.S. Courthouse, 500 Quarrier Street, East, Charleston, WV 25301
TELEPHONE:
  Commercial: (304) 343-6181 ext. 311 Eastern Time
  FTS: 924-1311
NAWDEX CONTACT: Kay Cooper

ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY ORGANIZATION: Programming Assistance, Data Base Technical Assistance
WISCONSIN

ORGANIZATION: U.S. Geological Survey, Water Resources Division
ADDRESS: Room B-113, 1815 University Avenue, Madison, WI 53706
TELEPHONE:
   Commercial: (608) 262-2488 Central Time
   FTS: 262-2488

NAWDEX CONTACT: Robert Bodoh

AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water
   Geographical Coverage: State of Wisconsin
   Media in Which Data Stored: Machine readable, Hard copy files, Published
   Types of Media Output: Magnetic tape, Computer printout, Published
   (Printed), Graphics

MAJOR COMPUTERIZED DATA SYSTEM(S) ACCESSED: NAWDEX, WATSTORE

DESCRIPTION OF EQUIPMENT USED: Data 100, Model 78, CalComp 1039 Plotter

WYOMING

ORGANIZATION: Water Resources Research Institute
ADDRESS: Wyoming University, Post Office Box 3067, University Station, Laramie, WY 82071
TELEPHONE:
   Commercial: (307) 766-2143 Mountain Time
   FTS: 328-1110

NAWDEX CONTACT: Barbara Hatley

AVAILABLE DATA FROM ORGANIZATION:
   Types of Data: Surface Water, Water Quality, Ground Water, Precipitation, Meteorological
   Geographical Coverage: State of Wyoming
   Media in Which Data Output Stored: Machine readable
   Types of Media Output: Magnetic Tape, Computer Printout, Graphics

DESCRIPTION OF EQUIPMENT USED: Cybers 760 and 730

ADDITIONAL COMPUTER SERVICES OR OTHER INFORMATION PRODUCTS PROVIDED BY
ORGANIZATION: Daily Values Tables, Statistical Summaries, Hydrographs
APPENDIX

LIST OF ACRONYMS AND ABBREVIATIONS

The following acronyms and abbreviations are used throughout this report to avoid unnecessary repetition in listing the data bases accessed by the various NAWDEX Assistance Centers, and in referring to the agencies who maintain these data bases.

CEQ - [President's] Council on Environmental Quality.


HISARS - Hydrologic Information Storage and Retrieval System. A program for storing and retrieving streamflow and peak flow data, and weather information (precipitation).


LANDSAT - Land Satellite Data.

MWDI - Master Water Data Index. An index of water data sites maintained by the National Water Data Exchange, U.S. Geological Survey.


NAWDEX - National Water Data Exchange.

NNRIS - Nebraska Natural Resources Information System. A computerized information system (Data Bank) maintained by the Nebraska Natural Resources Commission.

NOAA - National Oceanic and Atmospheric Administration.

PUBMANUS - Computerized bibliographic file of published reports and thematic maps of the U.S. Geological Survey.

SAROAD - Storage and Retrieval of Aerometric Data. A U.S. Environmental Protection Agency computerized data base.

STORET - Storage and Retrieval System. A computerized water quality data base maintained by the U.S. Environmental Protection Agency.

TNRIS - Texas Natural Resources Information System. A centralized computer facility which handles storage, retrieval, processing, analysis, and presentation of natural resources data and information for the State of Texas.

USGS - U.S. Geological Survey.

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WATS - Wide-area Telecommunications Service (American Telephone and Telegraph Company contract billing system).

WATSTORE - National Water Data Storage and Retrieval System. A large-scale computer system developed by the U.S. Geological Survey for the storage and retrieval of water data.

WDROP - Water Drop. A U.S. Environmental Protection Agency computerized data files.

WDSD - Water Data Sources Directory. A computerized data base maintained by the National Water Data Exchange which lists organizations which are sources of water data and water-related data.

WRSIC - Water Resources Scientific Information Center, Office of Water Research and Technology. This office produces the Selected Water Resources Abstracts journal.