

158
3/9/79

DR. 2316

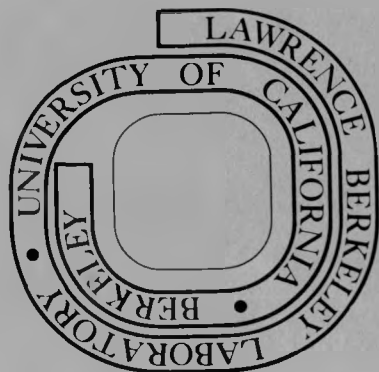
LBL-8707
UC-13

CARTOGRAPHIC BASE FILES AT
LAWRENCE BERKELEY LABORATORY: 1978 INVENTORY

B. R. Burkhart

January 1979

Prepared for the U. S. Department of Energy
under Contract W-7405-ENG-48



MASTER

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B. R. Burkhardt, Editor

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ABSTRACT

This inventory describes the cartographic base files for the display portion of Lawrence Berkeley Laboratory's Socio-Economic-Environmental-Demographic Information System (SEEDIS) thematic mapping program, CARTE. The map file descriptions include a contact person, abstract, original data source, availability, record contents, and a plot of each file. The files are in polygon format for use within the computer environment at LBL.

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Prepared for the U.S. Department of Energy
under Contract W-7405-ENG-48

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CARTOGRAPHIC BASE FILES AT LAWRENCE BERKELEY LABORATORY: 1978 INVENTORY

B. R. Burkhart, Editor

INTRODUCTION

A wide range of cartographic base files for use in displaying statistical data by geographic area have been developed and are maintained by the Graphics Research Group in the Computer Science and Applied Mathematics Department at LBL. All of the files have location identifiers of a geographic or geopolitical nature (geocodes). The files described in this inventory have been primarily developed for the map file input to CARTE, which is an interactive thematic mapping program developed at LBL [1-3]. The map files were prepared by program MAPEDIT, which supports a variety of mapping operations [4].

File Availability

Restrictions on accessing map files are noted under the "Database Limitations" field. Files not having this field have unrestricted availability.

File Retrieval

Accessing and retrieving a map file is executed with the Gettape/Stotape System (GSS) at LBL [5]. Map files are stored on 6250BPI tapes and retrieved by specifying a tape number and "pathname". The GSS "pathname" is provided for all map files in the inventory.

Report Organization

The map descriptions are organized under three major categories: Special Map files, United States Map files, and World Map files. Within the Table of

Contents, descriptions are listed in alphabetical order by map file name. When possible, more than one map file is grouped under a common prefix, such as United States, Census Regions and Geographic Divisions. In these cases, information is provided for each map component in a hierarchical form.

United States

Census Regions and Geographic Divisions

NorthEast

New England

Middle Atlantic

North Central

Although this procedure shows higher and lower level entries, each map file in this inventory is treated equally in the amount of general descriptions and detail of actual data content.

Indexes

Indexes are included for contact persons, all Standard Metropolitan Statistical Areas (SMSA) in the United States, and the data records for countries in World Data Bank I. The letter and number enclosed in "[]" is the accession number assigned to each geographic data file and is used as reference number in the inventory.

Contact Person Index

The index of contact persons provides a list of individuals associated with the files either as custodians or as investigators actively working with or responsible for the data in the file.

Standard Metropolitan Statistical Area Index

The SMSA index, with areas as defined by the 1970 census, contains five characteristics: SMSA Number, Number of Tracts, Number of Points, SMSA Name, and the SMSA Abbreviated Pathname. A number of special aggregations and disaggregations of SMSA's are also included. A project for developing the boundary outlines for the 277 SMSA's in the 50 states and the District of Columbia for the 1980 census is under development.

WDB-I Country Data Record Index

In this index, data are provided for constructing a map of the world by country with those included in World Data Bank I (WDB-I) with the CARTE Mapping System. The file contains those geographic codes necessary for making a CODATA file or input data file to CARTE. The geocodes for WDB-I included in the index are the Numeric Country Code, Continent Code, two-letter Country Abbreviation Code, and the full Country Name [6]. World Data Bank II is also available at LBL [7].

CARTE Retrieval

Accessing and using the interactive CARTE Mapping System is executed within the SEEDIS MONITOR SYSTEM. A brief outline of a interactive computer session using CARTE is shown elsewhere in this inventory. The LBL/SEEDIS MONITOR has been designed to implement other graphic programs included CHART, a graphic analysis system [8]. User operation of the MONITOR SYSTEM has been oriented as a self-help method of on-line interaction with CHART and CARTE.

CODATA

Input data for CARTE can be entered into the computer in the appropriate "CODATA" format or extracted directly from the LBL/SEEDIS MONITOR. Data available from the MONITOR will not be listed here; however, it can be produced when operating directly within the MONITOR SYSTEM with appropriate commands. In the example below, there are 24 entries that precede the data and when compiled within the CARTE Mapping program, the data is converted from a CODATA format to the internal form required by CARTE. The user data that follows the CODATA descriptors is simply IBM card-image numeric and alphanumeric information in a specific format. The data shows only a portion of the beginning and end of the actual 244 data entries. A full description of the CODATA parameters and how they are used with various types of input is provided in Reference [9].

```
NDE=4  
AREA=244  
CARD=70  
DE=FIPS.STATE  
TYPE=ALPHA  
USE=KEY  
START=1  
LENGTH=2
```

```

DE=FIPS.SMSA
TYPE=ALPHA
USE=KEY
START=4
LENGTH=4
DE=STU3.GEO
TYPE=ALPHA
USE=STJB
START=9
LENGTH=24
DE=LABSUPCLA
TYPE=0
USE=DATA
START=33
LENGTH=1
ENDDOF
01 0450 ANNISTON 3
01 1000 BIRMINGHAM 2
01 2880 GADSDEN, AL 3
01 3440 HUNTSVILLE 2
01 5160 MOBILE 3
:
55 3870 LA CROSSE, WI 2
55 4720 MADISON, WI 2
55 5080 MILWAUKEE, WI 2
55 6600 RACINE, WI 2

```

Map and Data Files in CARTE

Map files and data can be selected for mapping in CARTE by several methods. A map file can be either preselected from this inventory or assembled within the SEEDIS MONITOR "AREA" module. Also, the data to be mapped can be entered directly or extracted from the MONITOR SYSTEM. In the interactive CARTE computer session below, both the map and data were obtained from outside the MONITOR SYSTEM.

Attaching the map file has been simplified by the release of this writeup, however the data input can be involved. Data must be converted into a CODATA format, and the use of CODATA is shown in a sample form above.

```

>lc
LOGIN CP-23 TTY-175 18.20.06.XIBKY7833CS01/21/79.
WARNING - PORT DISCONNECT FROM RECC AFTER 5 MIN OF
NO ACTIVITY IF NOT LOGGED-ON
SEE BKYNEUS
ENTER JOBCARD OR ^STOP
bruce,12,7000.000000,burkhardtbb
BRUCE00 LOGGED IN. LOGIN 3.4
SESAME 3.5
OK - SESAME
gettape,comap-conic/smsa,15132.
libcopy,rballen,codata/rr,suply.
files
OK - SESAME
OK - SESAME
CODATA MD 1 CONTROL MD 2 INPUT FD 2 TAPETTY TP
COMAP MD 1401 DAYFILE MD 2 SESAME FD 232
OK - SESAME
start seedint
LBL/SEEDIS MONITOR -- VERSION 3.0 -- 21 JAN 79 18.25.03. PST

YOU MAY TYPE > WHILE WAITING FOR ANY RESPONSE.
IF CONFUSED BY ANY RESPONSE, TYPE ?
FOR FURTHER ASSISTANCE, CALL VIRGINIA SVENTEK AT
(415)843-2740 EXT. 5216, OR (FTS)451-5216.

FETCHING FILES, PLEASE BE PATIENT.

PLEASE ENTER YOUR LAST NAME (MAXIMUM 9 LETTERS).
NO BLANKS, COMMAS OR SPECIAL CHARACTERS PLEASE. - burkhardt
PLEASE IDENTIFY THIS RUN WITH A CODE WORD 5 CHARACTERS OR LESS,
FOR EXAMPLE TEST OR MAP1 OR X6789. NO SPECIAL CHARACTERS PLEASE,
AND FIRST CHARACTER MUST BE A LETTER. - smsa
INTENDED PURPOSE OF THIS RUN (80 CHARACTERS OR LESS) -
PURPOSE- dol map production

```

```

NAME = BURKHART
MUST BE 9 LETTERS OR LESS
RUN ID = SPSA2
MUST BE 5 CHARACTERS OR LESS
PLEASE CONFIRM (YES/NO) - yes

THANK YOU.
FILES ASSOCIATED WITH THIS RUN WILL BE ARCHIVED AS
GSS (LOG,CODATA,ZETA12,ETC.)/BURKHART/SPSA2,23423.
FLOOR (1,2,3,BLDG00,OTHER) - 3
(RUN,TEST,FULL,RESET,QUIT) - run
*****
$                                     $
$   WARNING. YOU ARE ON THE C MACHINE.   $
$   DATA CANNOT BE EXTRACTED FROM CEN4POP, $
$   CHAGR74, ENERGY, INCONT3, OR OBERSE   $
$                                     $
*****

(BUGS,HELP,SEEDIS,FUNCTIONS,BRIEF,FULL, OR QUIT) -seedis
GEOGRAPHIC LEVEL HAS NOT BEEN SPECIFIED.
(HELP,REVIEW,AREA,DRETR,DATA,EDIT,PRINT,
CANCEL,MERGE,NOMERGE,DISPLAY,DSAVE,QUIT) - display
(4014,4012,ADM3A, OR OTHER)-4014
(MF,TF,35,CALCOMP,ZETA,ZETA12, OR NONE)-zeta12
IF RUN TERMINATES NORMALLY, HARDCOPY FILE WILL BE SAVED
SUBCOMMON FILE ZTSPSA2 ON THE C MACHINE.
(HELP,TERM,MRETR,TABLES,MAP,MSAVE,QUIT) - map
FILE 1, WITH      4 DATA ELEMENTS, AND      244 AREAS
FILE=
DONE
YOU ARE READY TO MAP. PATIENCE PLEASE
DO YOU WANT THE DEFAULT MAP DESIGN?
no
ENTER DESCRIPTOR NUMBER FOR FEATURE CODES
1 = STATE, 2 = SPSA, 4 = COUNTY, 8 = TRACT
AND RELATION AND DIVIDING VALUE
0 = INCLUDE ALL, 1 = INCLUDE NONE,
2 DRAW ALL EQUAL TO VALUE,
3 DRAW ALL NOT EQUAL TO VALUE
IF CONFUSED, THEN ENTER 1,0,0
2,0,0
ENTER NUMBER FOR POLYGONS    MAXIMUM
500

```

REFERENCES

1. P. M. Wood, W. H. Benson, Computer Mapping At The Lawrence Berkeley Laboratory, Lawrence Berkeley Laboratory Report LBL-7938, June 1978.
2. P. M. Wood, Interactive Display of Polygonal Data, Lawrence Berkeley Laboratory Report LBL-6490, Oct 1977.
3. B. R. Burkhardt, P. M. Wood, The LBL Socio-Economic-Environmental-Demographic Information System (SEEDIS) Computer Mapping Systems Workbook III, Lawrence Berkeley Laboratory Report LBL-6439, May 1977.
4. H. H. Holmes, W. H. Benson, MAPEDIT Users Guide, LBL Computer Retrievable Documentation, Nov 1974.

5. LBL Computer Center Consultants, GSS: GETTAPE/STOTAPE System - Store and Retrieve Information on 6250BPI Tape By Name, LBL Computer Retrievable Documentation, Nov 1978.
6. World Data Bank I Documentation, Laboratory For Computer Graphics and Spatial Analysis, Graduate School Of Design, Harvard University, Cambridge, Massachusetts.
7. D. W. Merrill, W. H. Benson, World Data Bank II, Lawrence Berkeley Laboratory Report LBL-3961, Oct 1977.
8. V. A. Sventek, CHART: Graphic Analysis System Workbook II, Lawrence Berkeley Laboratory Report LBL-7277, Mar 1978.
9. Computer Science and Applied Mathematics Department Staff, CODATA, LBL Computer Retrievable Documentation, BKY /*/CODATA/WRITEUP, Jan 1979.

[G1]

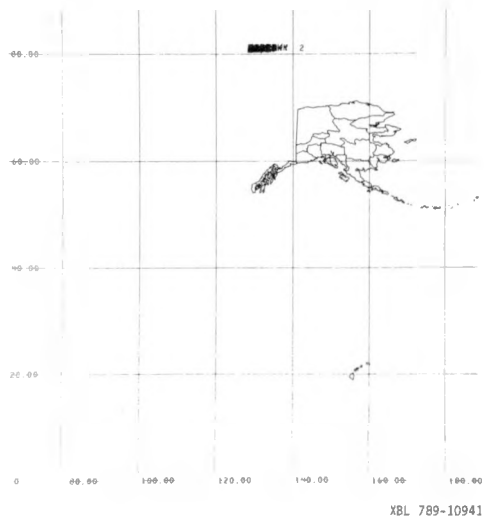
Database Name: Alaska/Hawaii/Puerto Rico

Contact Person: Benson, W.

General Description: Files were prepared by inverting conic projections. Alaska in only approximate position; plot coordinates are in correct West longitude despite reversed picture. Alaska is partitioned into Census Divisions, the Census Division is a county equivalent.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=LOGLAT/ALHAPR,15132.



Record Contents

Number of Polygons 193
Points 17271

State or Area Geocodes
SMSA Geocodes
County/
State or Area Name

[G2]

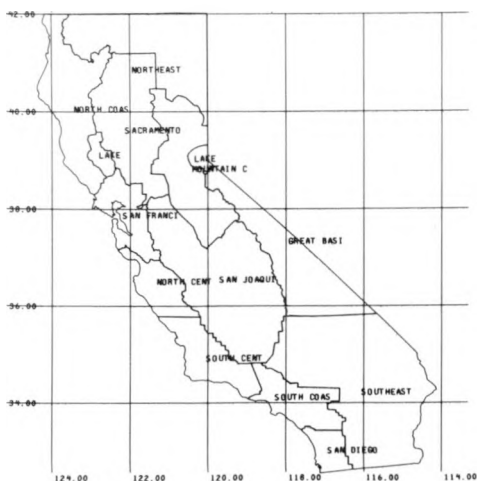
Database Name: California by Air Resources Board Air Basins

Contact Person: Burkhart, B.

General Description: This file describes 11 Air Quality Control data zones in California. Portions of the file are aggregated county groups and the remaining county political boundaries that do not conform to the air basin divisions have been redigitized to match the divisions as defined by the Environmental Protection Agency.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=CALIF/AIR/RESOURCES/BOARD/AIR/BASINS,26995.



Record Contents

Number of Polygons14
Points 1947

State Geocodes
Air Basin Geocode = County Geocode

11	GREAT BASIN VALLEYS
13	SAN DIEGO
10	SAN JOAQUIN VALLEY
8	SOUTH CENTRAL COAST
5	MOUNTAIN COUNTIES
2	NORTHEAST PLATEAU
7	NORTH CENTRAL COAST
3	SACRAMENTO VALLEY
1	NORTH COAST
4	LAKE COUNTY
12	SOUTHEAST DESERT
9	SOUTH COAST
6	SAN FRANCISCO BAY AREA
14	LAKE TAHOE

[G3]

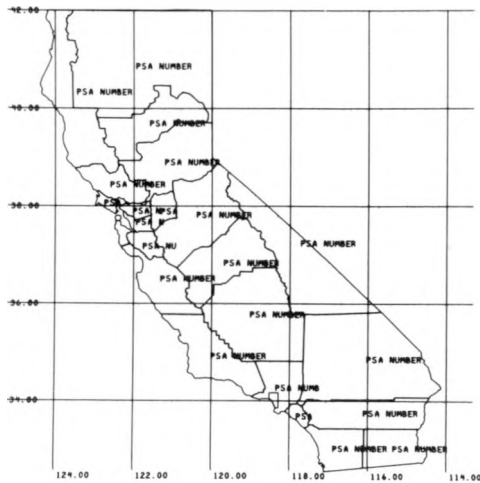
Database Name: California by Planning and Service Areas (PSA)

Contact Person: Burkhart, B.

General Description: This file describes 25 aggregated or single county groups data zones as defined by the California State Office on Aging in 1976.

Original Data Source: File Locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/CALIF/PSA/MAP/FILE,07510.



Record Contents

Number of Polygons ... 23

Points 1931

State Geocodes

PSA Geocodes=County Codes

20	PSA NUMBER 20
21	PSA NUMBER 21
24	PSA NUMBER 24
16	PSA NUMBER 16
23	PSA NUMBER 23
22	PSA NUMBER 22
15	PSA NUMBER 15
19	PSA NUMBER 19
14	PSA NUMBER 14
17	PSA NUMBER 17
11	PSA NUMBER 11
4	PSA NUMBER 4
2	PSA NUMBER 2
3	PSA NUMBER 3
13	PSA NUMBER 13
111	PSA NUMBER 118
10	PSA NUMBER 10
9	PSA NUMBER 9
7	PSA NUMBER 7
5	PSA NUMBER 5
8	PSA NUMBER 8
6	PSA NUMBER 6
1	PSA NUMBER 1
51	PSA NUMBER 58
25	PSA NUMBER 25 LA CITY

[G4]

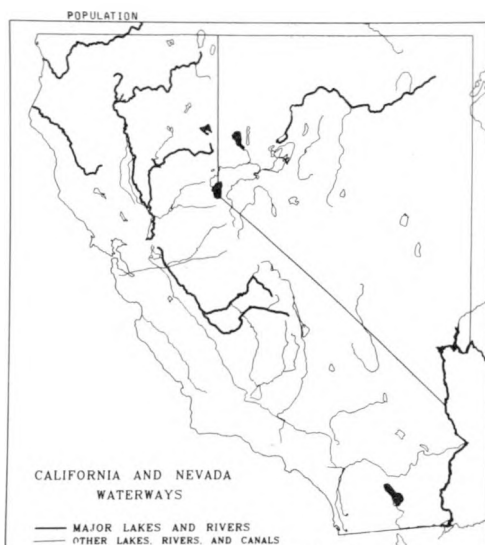
Database Name: California and Nevada Waterways

Contact Person: Wood, P.

General Description: This file describes the lakes, rivers and canals derived from World Data Bank II for California and Nevada in latitude and longitude degrees. State, county data zones or point symbol data representation can be used with this file.

Original Data Source: World Data Bank II; file locally prepared

Database Retrieval: GSS: GETTAPE,file=NICKEL/CALNEV/ALL,10874.



Record Contents

Number of Polygons 218

Points 32612

State Geocodes

County Geocodes

Lake, River, Canal Geocodes

[G5]

Database Name: Census Center of Population File-1970 (Population Centroids)

Contact Person: Merrill, D.W.

Data Dates: 1970

General Description: This file specifies the computed locations of the center of population for counties, states and the United States given in decimal degrees of longitude and latitude to four decimal places. The file also includes FIPS state and county codes, land area, water area, and the total area of the county.

Geographic Coverage: U.S. States; U.S. Counties

Technical Documentation: 1970 Census Center of Population File, Technical Documentation

Original Data Source: U.S. Bureau of the Census, 1960 Area Measurements Reports and Updates; 1970 Census of Population Printed Reports

Database Media: Tape

Database Limitations: Unlimited

[G6]

Database Name: Census Place Location Data File-1970

Contact Person: Merrill, D.W.

Data Dates: 1970

General Description: This file contains approximately 24,000 place names and associated geographic identification that includes: Federal Information Processing Standard (FIPS) state, county and place codes, place type (city, town, village, borough, incorporated, or other), census state code, state abbreviation, place name, and latitude and longitude in decimal degrees.

Geographic Coverage: U.S. States; Counties; Places

Technical Documentation: GSS document: GETTAPE,file=CENSUS/PICADAD/DISPLAY,15150.

Original Data Source: U.S. Bureau of the Census

Database Media: Tape

Database Limitations: Advise contact person of intended use

[G7]

Database Name: Master Enumeration District List (MEDList)

Contact Person: Healey, R.N.; Gey, F.C.

Data Dates: 1970

General Description: The MEDList is a hierarchical code list that interprets the numeric codes (rather than names) which are part of each data record on the 1970 census files. The MEDList provides a listing of State, County, Minor Civil Division (MCD), Enumeration District (ED), Block Groups (BG), and area or place names corresponding to numerical identification codes used on the summary tapes. The MEDList furnishes official population and housing total counts for ED's and BG's from which congressional district and other area totals may be summarized.

Geographic Coverage: U.S. States; Counties; MCD(CCD)/Place Segments; BG's; ED's

Technical Documentation: Master Enumeration District List (MEDList) Technical Documentation, 1970 Census

Original Data Source: U.S. Bureau of the Census

Database Media: Tape

Database Limitations: Unlimited

[G8]

Database Name: Master Enumeration District List Extended with Geographic Coordinates (MED-X)

Contact Person: Merrill, D.W.

Data Dates: 1970

General Description: The Master Enumeration District List Extended with geographic Coordinates provides a means of associating the common names of areas with the appropriate geographic codes, down to the block group/enumeration district level. Each record contains the 1970 census State Code, Central County Code, MCD (or CCD) Code, and Place Code. Other codes include the Place Description Code, Size of Place Code, Standard Metropolitan Statistical Area Code, Urbanized Area Code, Tracted Area Code, Economic Sub-Region Code, Area Name, Central Business District Code, 6-digit Tract Code, Block Group Code, 5-digit Enumeration District Code, Urban/Rural Code, Ward Code, and Congressional District Code. In addition, population and housing counts are given as well as latitude and longitude coordinates for the population center of each Block Group and Enumeration District.

Geographic Coverage: U.S. States; Counties; Minor Civil Divisions (or Census County Divisions); Places; Block Groups; Enumeration Districts

Technical Documentation: 1970 Census Geographic Identification Code Scheme Tape Files, Technical Document No. GT-1, National Data Use and Access Laboratories (DUALABS), July 1971, (unpublished)

Original Data Source: U.S. Bureau of the Census, via Phyllis Fuja, Argonne National Laboratory

Database Media: Tape

Database Limitations: Advise contact person of intended use

[G9]

Database Name: National Bureau of Standards (NBS) Place Code Data File-1977

Contact Person: Burkhart, B.; Healey, R.N.

Data Dates: 1977

General Description: The standard codes contained in this file implement American National Standard X3.47-1977 which was approved on September 16, 1977 by the American National Standards Institute as a national industry standard. These codes provided by the National Bureau of Standards, are intended for use in data systems and computer applications where there is a need to collect, process, and interchange information on cities, towns, and other related places in the U.S. In addition to the place name and its standard code, the data file provides the name and standard code for the county (or counties) in which the place is located, the postal ZIP code of the servicing post office (or offices) and a cross reference to the Worldwide Geographic Location Code issued by the General Services Administration. A class designator is provided for each of the 136,555 places in this data file to facilitate the use of the standard code in differing applications. Eighteen different classes identified by these class designators include incorporated places, unincorporated places, rural communities, military installations, transport points, shopping centers, airports, townships, Indian Reservations, national and state parks, seasonally populated places, and alternate or former names.

Geographic Coverage: 136,555 Places in the U.S.

Technical Documentation: Tape documentation for the Standard Codes for Named Populated Places and Related Entities of the United States

Database Media: Tape

[G10]

Database Name: SAROAD Air Quality Monitoring Station Site Directory

Contact Person: Merrill, D.W.

Data Dates: 1977

General Description: This file contains geographic and descriptive information for approximately 12,000 air quality monitoring stations. Characteristics in the data base include: the SAROAD (Storage and Retrieval of Aerometric Data) station identification code, county name, EPA (Environmental Protection Agency) county code, city name, city population, UTM (Universal Transverse Mercator) coordinates, latitude and longitude, FIPS (Federal Information Processing Standard) SMSA (Standard Metropolitan Statistical Area) code, EPA AQCR (Air Quality Control Region) number, population of AQCR, Federal Region code, supporting agency, address and exact location of monitoring station, station type, elevation above ground and sea level.

Geographic Coverage: U.S.; Guam; Virgin Islands; Puerto Rico; American Samoa

Technical Documentation: AEROS Manual Series (5 volumes), Report EPA-450/2-76 (001 through 005), OAQPS 1.2-038, February 1976, U.S.EPA, Office of Air and Waste Management, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711

Original Data Source: Environmental Protection Agency, SAROAD, via Carmen Benkovitz, Brookhaven National Laboratory, New York

Database Media: Tape

Database Limitations: Advise contact person of intended use

[G11]

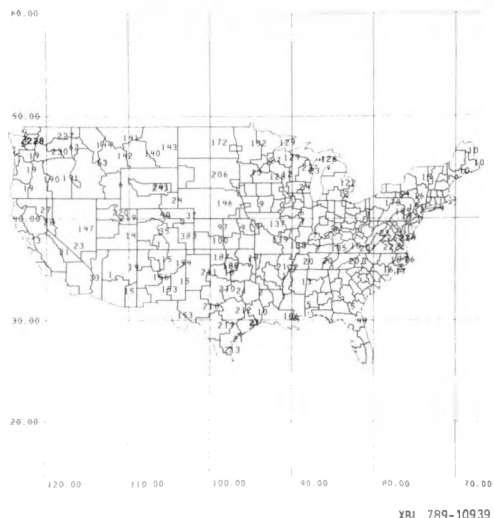
Database Name: U.S. by Air Quality Control Regions (AQCR) - 1976

Contact Person: Benson, W.; Wood, P.

General Description: This file consists of special aggregated county areas that approximate the Air Quality Control Region data zones in the conterminous U.S. as defined by the Environmental Protection Agency in 1976.

Original Data Source: EPA; file locally prepared

Database Retrieval: GSS: GETTAPE,file=LONGLAT/AQCR,15132.



Record Contents

Number of Polygons 322

Points 33832

State Geocodes

AQCR Geocodes = SMSA Geocode

[G12]

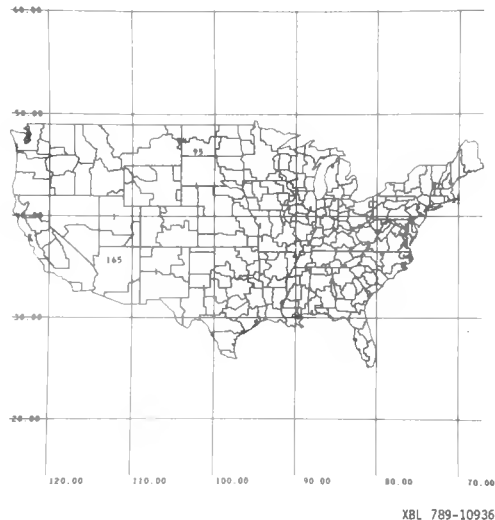
Database Name: U.S. by Bureau of Economic Analysis (BEA) Areas

Contact Person: Benson, W.

General Description: This file is comprised of those county groupings that describe BEA areas in the conterminous U.S. in latitude, longitude coordinate system.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=LONGLAT/BEA,15132.



COPY,file/RR,ØFXF,temp.
RENAME,temp=file.

(Excuting these lines will delete the
end-of-file marks between each state record
and retrieve the full U.S. map file)

Record Contents

Number of Polygons 308
Points 32602

State Geocodes
BEA Geocodes = SMSA Geocodes

[G13]

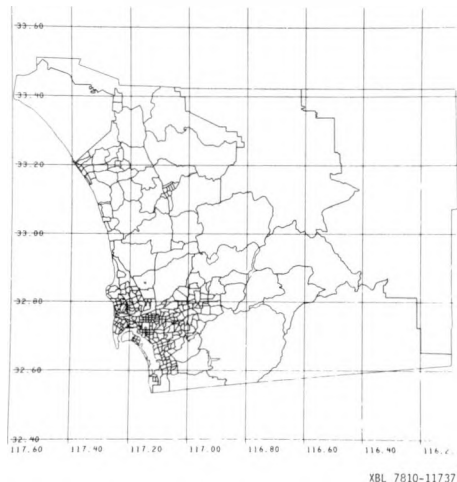
Database Name: U.S. by SMSA by Census Tract - 1970

Contact Person: Benson, W.; Burkhart, B.; Sventek, V.; Wood, P.

General Description: This file contains 243 Standard Metropolitan Statistical Areas (SMSA) each partitioned into census tracts as defined by the U.S. Bureau of the Census in 1970. There are separate county breakouts for the New York City SMSA.

Original Data Source: Digitizing of census tract outlines by i/o Metrics; map file editing procedures developed locally. Defined as the Urban Atlas Project files.

Database Retrieval: GSS: GETTAPE,file=CENSUS70/SMSA *abbreviated pathname*,15132.



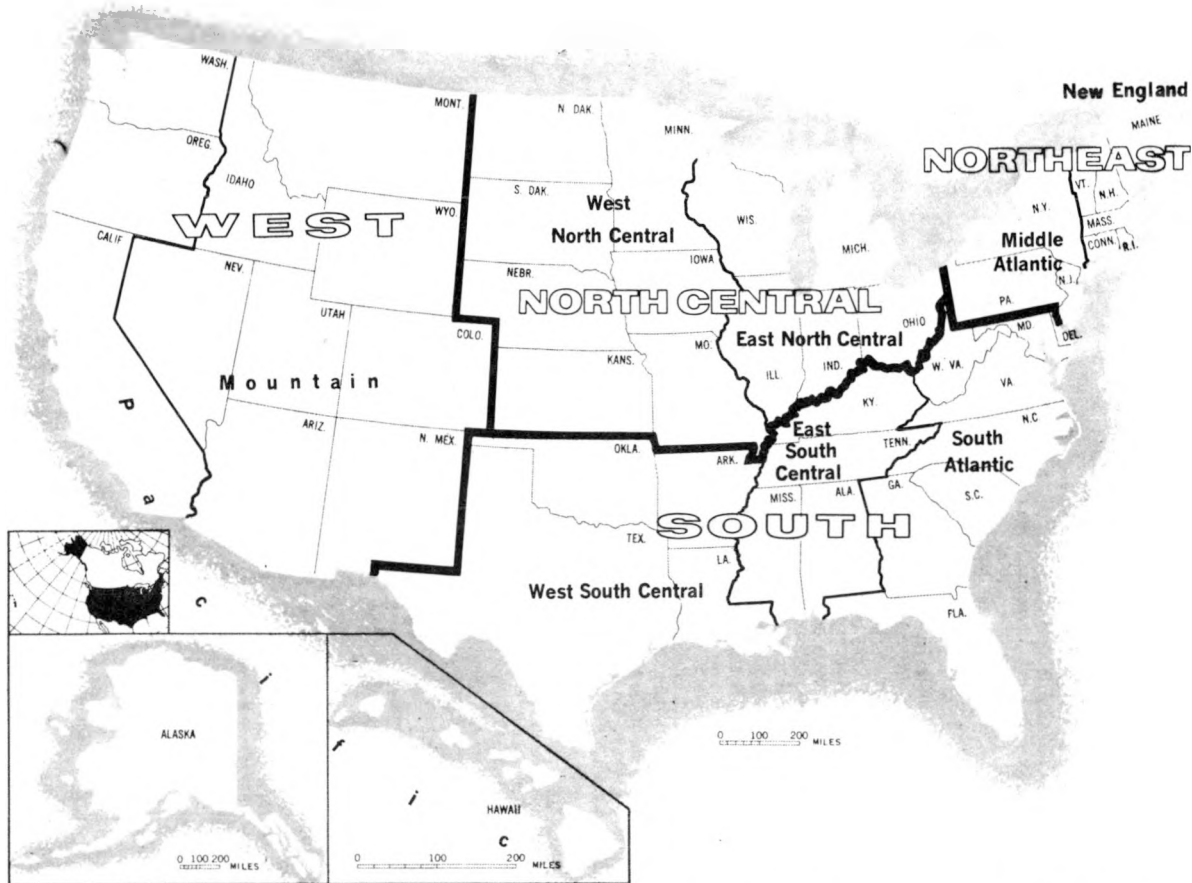
Record Contents

SMSA Geocode
Number of Tracts
Points
SMSA Name
SMSA Pathname

} see
Standard
Metropolitan
Statistical Area
Index

Example: The San Diego SMSA plot at the left,
was extracted from GSS with the command
GETTAPE,file=CENSUS70/SANDIEG,15132.

CENSUS REGIONS AND GEOGRAPHIC DIVISIONS OF THE UNITED STATES



Map reproduced from the 1970 Census Users' Guide, Part I, Bureau of the Census

XBL 7811-12977

SUMMARY OF THE GBF BASE FILES FOR THE CENSUS REGIONS AND GEOGRAPHIC DIVISIONS OF THE UNITED STATES¹

No.	Region or Division	Tape	GSS Pathnames	No. of Poly- gons	Points
[G14]	NorthEast	26995	GBF/LOGLAT/NORTHEAST	217	8121
[G15]	New England	26995	GBF/LOGLAT/NEW/ENGLAND	67	3203
[G16]	Middle Atlantic	26995	GBF/LOGLAT/MIDDLE/ATLANTIC	150	4918
[G17]	North Central	26995	GBF/LOGLAT/NORTH/CENTRAL	1056	17169
[G18]	East North Central	26995	GBF/LOGLAT/EAST/NORTH/CENTRAL	437	7392
[G19]	West North Central	26995	GBF/LOGLAT/WEST/NORTH/CENTRAL	619	9777
[G20]	South	26995	GBF/LOGLAT/SOUTH	1395	45967
[G21]	South Atlantic	26995	GBF/LOGLAT/SOUTH/ATLANTIC	558	20659
[G22]	East South Central	26995	GBF/LOGLAT/EAST/SOUTH/CENTRAL	364	13032
[G23]	West South Central	26995	GBF/LOGLAT/WEST/SOUTH/CENTRAL	473	12276
[G24]	West	26995	GBF/LOGLAT/WEST	414	16842
[G25]	Mountain	26995	GBF/LOGLAT/MOUNTAIN	278	10498
[G26]	Pacific	26995	GBF/LOGLAT/PACIFIC	136	6344

¹ Map files for conterminous U.S. only

[G14]

Database Name: U.S. NorthEast Census Region

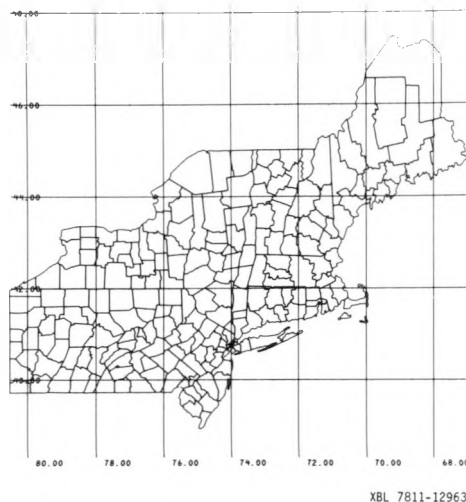
Contact Person: Burkhardt, B.

General Description: This file is comprised of state groupings that describe the U.S. NorthEastern census region as defined by the Census Bureau in 1970.

Each of the nine states in this region have county data zones in latitude, longitude coordinates. The states in this region are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/ONGLAT/NORTHEAST,26995.



Record Contents

Number of Polygons ... 217
Points 8121

State Geocode
County Geocode
County Name

09 CT CONNECTICUT
23 ME MAINE
25 MA MASSACHUSETTS
33 NH NEW HAMPSHIRE
34 NJ NEW JERSEY
36 NY NEW YORK
42 PA PENNSYLVANIA
44 RI RHODE ISLAND
50 VT VERMONT

[G15]

Database Name: U.S. New England Geographic Division

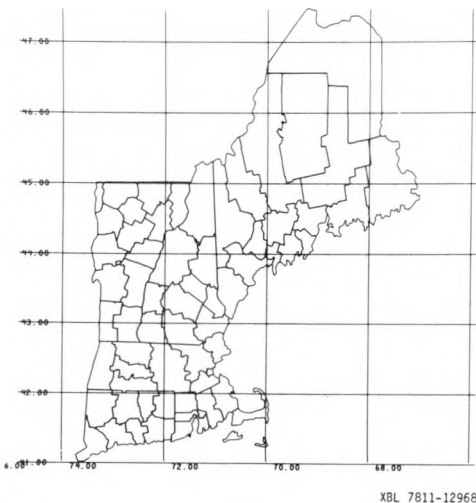
Contact Person: Burkhardt, B.

General Description: This file is comprised of state groupings that describe the U.S. New England geographic division as defined by the Census Bureau in 1970.

Each of the six states in this region have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/ONGLAT/NEW/ENGLAND,26995.



Record Contents

Number of Polygons ... 67
Points 3203

State Geocode
County Geocode
County Name

09 CT CONNECTICUT
23 ME MAINE
25 MA MASSACHUSETTS
33 NH NEW HAMPSHIRE
44 RI RHODE ISLAND
50 VT VERMONT

[G16]

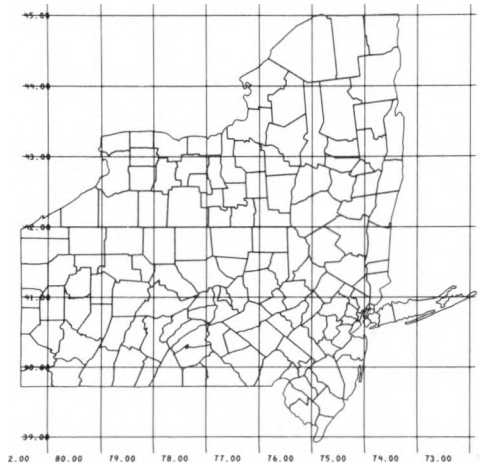
Database Name: U.S. Middle Atlantic Geographic Division

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. Middle Atlantic geographic division as defined by the Census Bureau in 1970. Each of the three states in this division have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/LOGLAT/MIDDLE/ATLANTIC,26995.



XBL 7811-12969

34 NJ NEW JERSEY
36 NY NEW YORK
42 PA PENNSYLVANIA

Record Contents

Number of Polygons ... 150
Points 4918

State Geocode
County Geocode
County Name

[G17]

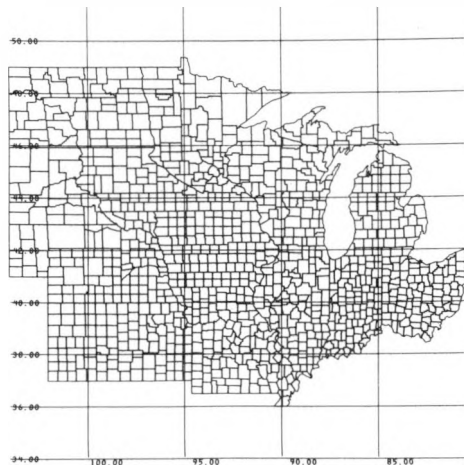
Database Name: U.S. North Central Census Region

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. North Central census region as defined by the Census Bureau in 1970. Each of the twelve states in this region have county data zones in latitude, longitude coordinates. The states in this region are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/LOGLAT/NORTH/CENTRAL,26995.



XBL 7811-12974

17 IL ILLINOIS
18 IN INDIANA
19 IA IOWA
20 KS KANSAS
26 MI MICHIGAN
27 MN MINNESOTA
29 MO MISSOURI
31 NB NEBRASKA
38 ND NORTH DAKOTA
39 OH OHIO
46 SD SOUTH DAKOTA
55 WI WISCONSIN

Record Contents

Number of Polygons ... 1056
Points 17169

State Geocode
County Geocode
County Name

[G18]

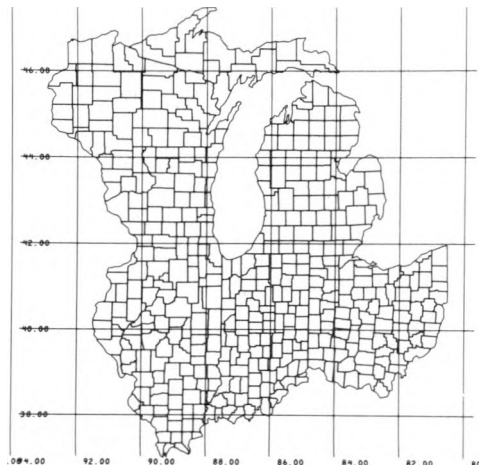
Database Name: U.S. East North Central Geographic Division

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. East North Central geographic division as defined by the Census Bureau in 1970. Each of the five states in this division have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/ONGLAT/EAST/NORTH/CENTRAL,26995.



XBL 7811-12973

17 IL ILLINOIS
18 IN INDIANA
26 MI MICHIGAN
39 OH OHIO
55 WI WISCONSIN

Record Contents

Number of Polygons ... 437
Points 7392

State Geocode
County Geocode
County Name

[G19]

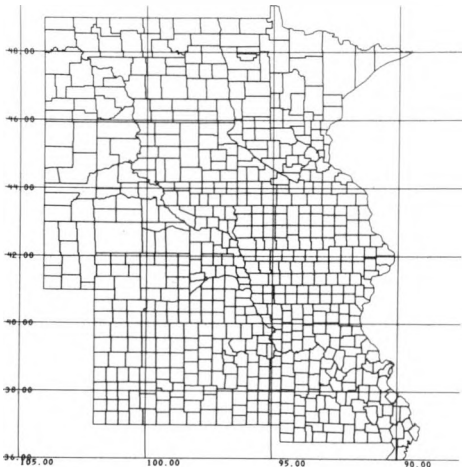
Database Name: U.S. West North Central Geographic Division

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. West North Central geographic division as defined by the Census Bureau in 1970. Each of the seven states in this division have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/ONGLAT/WEST/NORTH/CENTRAL,26995.



XBL 7811-12972

19 IA IOWA
20 KS KANSAS
27 MN MINNESOTA
29 MO MISSOURI
31 NE NEBRASKA
38 ND NORTH DAKOTA
46 SD SOUTH DAKOTA

Record Contents

Number of Polygons ... 619
Points 9777

State Geocode
County Geocode
County Name

[G20]

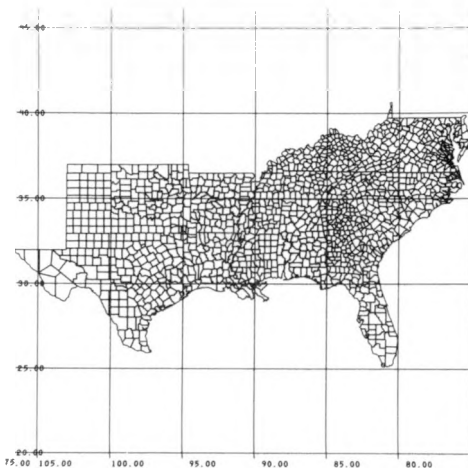
Database Name: U.S. South Census Region

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. South census region as defined by the Census Bureau in 1970. Each of the seventeen states in this region have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/ONGLAT/SOUTH,26995.



Record Contents

Number of Polygons ... 1395
Points 45967

State Geocodes
County Geocodes
County Name

01 AL ALABAMA
05 AR ARKANSAS
10 DE DELAWARE
11 DC DIST COLUMBIA
12 FL FLORIDA
13 GA GEORGIA
21 KY KENTUCKY
22 LA LOUISIANA
24 MD MARYLAND
28 MS MISSISSIPPI
37 NC NORTH CAROLINA
40 OK OKLAHOMA
45 SC SOUTH CAROLINA
47 TN TENNESSEE
48 TX TEXAS
51 VA VIRGINIA
54 WV WEST VIRGINIA

[G21]

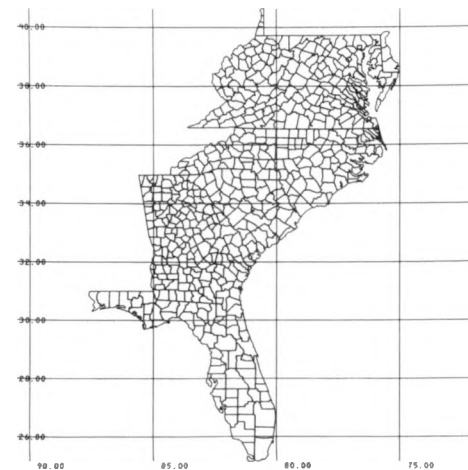
Database Name: U.S. South Atlantic Geographic Division

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. South Atlantic geographic division as defined by the Census Bureau in 1970. Each of the nine states in this division have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/ONGLAT/SOUTH/ATLANTIC,26995.



Record Contents

Number of Polygons ... 558
Points 20659

State Geocodes
County Geocodes
County Name

10 DE DELAWARE
11 DC DIST COLUMBIA
12 FL FLORIDA
13 GA GEORGIA
24 MD MARYLAND
37 NC NORTH CAROLINA
45 SC SOUTH CAROLINA
51 VA VIRGINIA
54 WV WEST VIRGINIA

[G22]

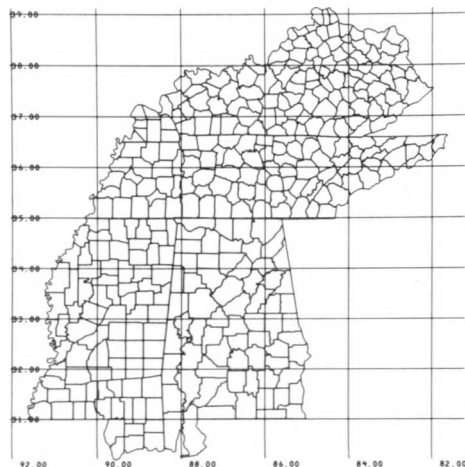
Database Name: U.S. East South Central Geographic Division

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. East South Central geographic division as defined by the Census Bureau in 1970. Each of the four states in this division have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/LOGLAT/EAST/SOUTH/CENTRAL,26995.



XBL 7811-12965

01 AL ALABAMA
21 KY KENTUCKY
28 MS MISSISSIPPI
47 TN TENNESSEE

Record Contents

Number of Polygons ...364

Points 13032

State Geocodes

County Geocodes

County Name

[G23]

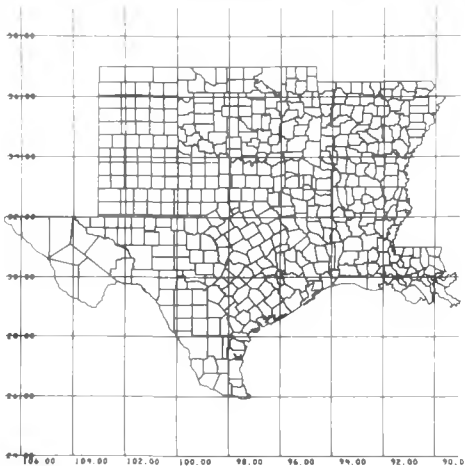
Database Name: U.S. West South Central Geographic Division

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. West South Central geographic division as defined by the Census Bureau in 1970. Each of the four states in this division have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/LOGLAT/WEST/SOUTH/CENTRAL,26995.



XBL 7811-12966

05 AR ARKANSAS
22 LA LOUISIANA
40 OK OKLAHOMA
48 TX TEXAS

Record Contents

Number of Polygons ... 473

Points 12276

State Geocode

County Geocode

County Name

[G24]

Database Name: U.S. West Census Region

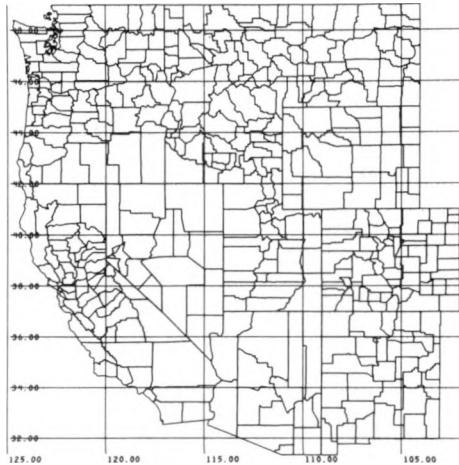
Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. West census region as defined by the Census Bureau in 1970. Each of the thirteen states in this census region have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/ONGLAT/WEST,26995.

04 AZ ARIZONA
02 AK ALASKA
06 CA CALIFORNIA
08 CO COLORADO
15 HI HAWAII
16 ID IDAHO
30 MT MONTANA
32 NV NEVADA
35 NM NEW MEXICO
41 OR OREGON
49 UT UTAH
53 WA WASHINGTON
56 WY WYOMING



Record Contents

Number of Polygons ... 414
Points 16842

State Geocodes
County Geocodes
County Name

[G25]

Database Name: U.S. Mountain Geographic Division

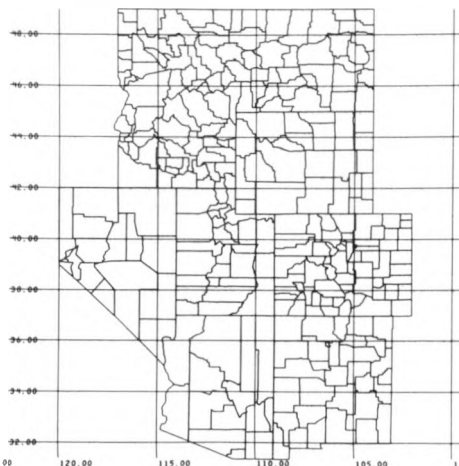
Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. Mountain geographic division as defined by the Census Bureau in 1970. Each of the eight states in this division have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/ONGLAT/MOUNTAIN,26995.

04 AZ ARIZONA
08 CO COLORADO
16 ID IDAHO
30 MT MONTANA
32 NV NEVADA
35 NM NEW MEXICO
49 UT UTAH
56 WY WYOMING



Record Contents

Number of Polygons ... 278
Points 10498

State Geocodes
County Geocodes
County Name

[G26]

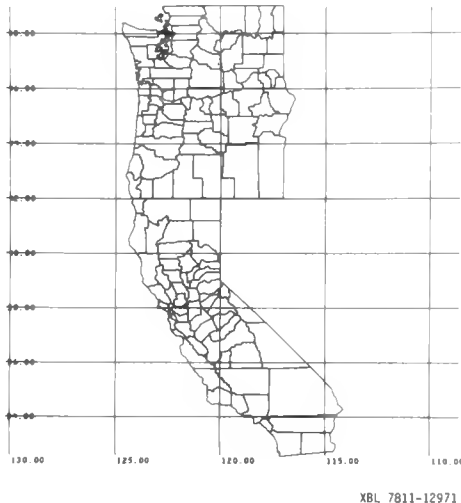
Database Name: U.S. Pacific Geographic Division

Contact Person: Burkhart, B.

General Description: This file is comprised of state groupings that describe the U.S. Pacific geographic division as defined by the Census Bureau in 1970. Each of the five states in this division have county data zones in latitude, longitude coordinates. The states are listed below with the FIPS code, 2-letter abbreviation, and full state name. Alaska and Hawaii are not included in this file.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/LOGLAT/PACIFIC,26995.



Record Contents

Number of Polygons ... 136
Points 6344

State Geocodes
County Geocodes
County Name

02 AK ALASKA
06 CA CALIFORNIA
15 HI HAWAII
41 OR OREGON
53 WA WASHINGTON

[G27]

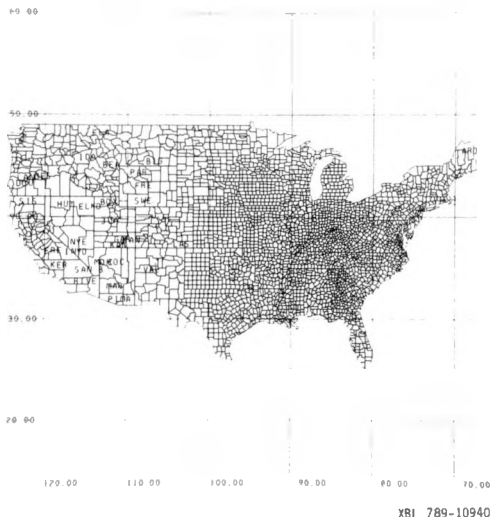
Database Name: U.S. by County, Version 1, Conterminous U.S.

Contact Person: Benson, W.; Burkhart, B.; Wood, P.

General Description: This file contains a conterminous United States by county study area partitioned into 3107 county data zones in a longitude, latitude coordinate system.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=LOGLAT/USBYCO,15132.



Record Contents

Number of Polygons 3082
Points 88099

State Geocode
County Geocode
County Name

[G28]

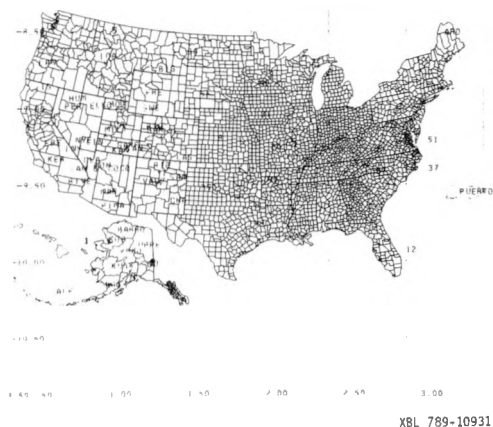
Database Name: U.S. by County, Version 2, Conic Projection

Contact Person: Benson, W.; Burkhart, B.; Wood, P.

General Description: This file contains a conic projection of a United States study area (including Alaska and Hawaii) partitioned into 3140 county data zones. A Puerto Rico island outline is included in the file.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=CONIC/USBYCO,15132.



Record Contents

Number of Polygons 3271
Points 111836

State Geocodes
SMSA County Geocodes
County Geocodes
County Name

[G29]

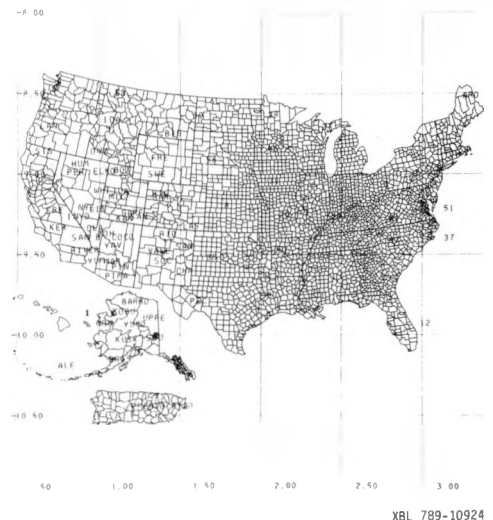
Database Name: U.S. by County, Version 3, Conic Projection

Contact Person: Benson, W.; Burkhart, B.; Wood, P.

General Description: This file contains a conic projection of a United States study area (including Alaska, Hawaii and Puerto Rico) partitioned into 3216 county data zones.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=CONIC/USXCO,15132.



Record Contents

Number of Polygons 3345
Points 121847

State Geocodes
SMSA County Geocodes
County Geocodes
County Name

[G30]

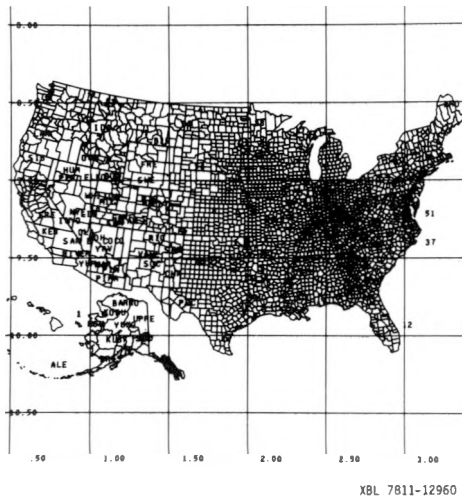
Database Name: U.S. by County, Version 4, Conic Projection

Contact Person: Benson, W.; Burkhart, B.; Wood, P.

General Description: This file contains a conic projection of a United States study area (including Alaska and Hawaii) partitioned into 3140 county data zones. This file is the same as Version 3, without Puerto Rico.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/CONIC/STATE/COUNTY/WITHOUT/PRICO,26995.



Record Contents

Number of Polygons 3270
Points 111530

State Geocodes
SMSA County Geocodes
County Geocodes
County Name

[G31]

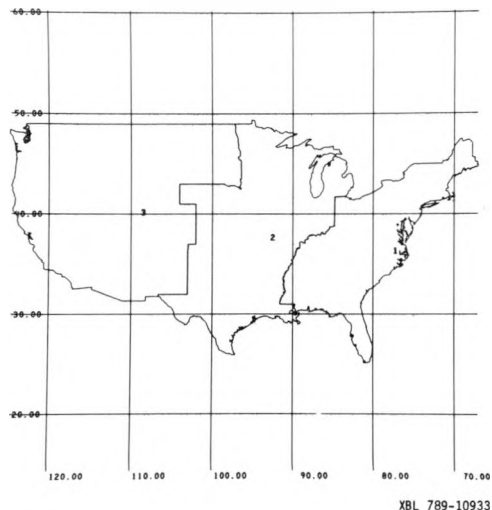
Database Name: U.S. by Environmental Protection Agency (EPA) Special Regions

Contact Person: Merrill, D.W.

General Description: This geographic base file consists of three aggregated state data zones in the conterminous United States as defined by the EPA. The file is in latitude, longitude coordinate system.

Original Data Source: EPA

Database Retrieval: GSS: GETTAPE,file=LONGLAT/EPASR,15132.



Record Contents

Number of Polygons 14
Points 9124

Special Region code = SMSA Geocode

[G32]

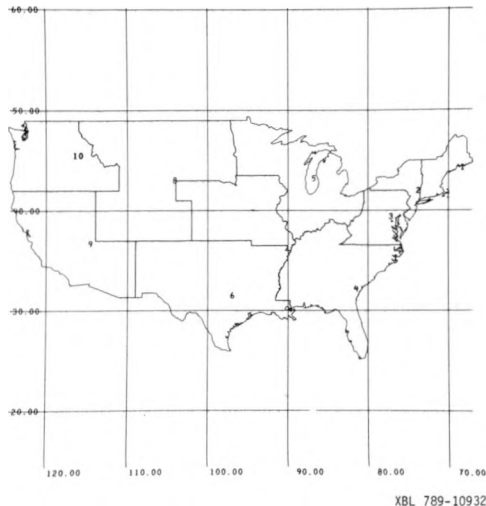
Database Name: U.S. by Federal Region

Contact Person: Merrill, D.W.

General Description: This cartographic base file contains a conterminous United States partitioned into 10 Federal Region data zones in latitude, longitude coordinate system. State outlines are not retained in the file.

Original Data Source: Environmental Protection Agency

Database Retrieval: GSS: GETTAPE,file=LONGLAT/EPAFR,15132.



Record Contents

Number of Polygons 23

Points 10953

Federal Region codes = SMSA Geocodes

[G33]

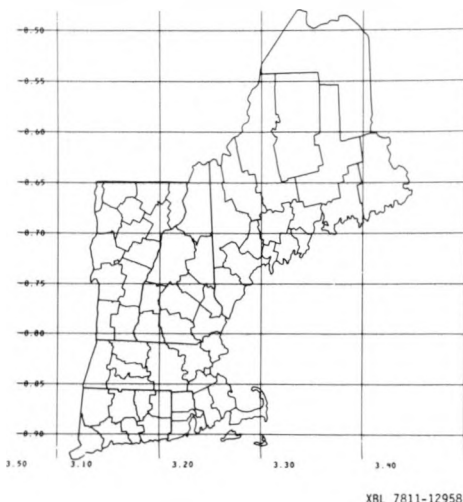
Database Name: U.S. Federal Region I

Contact Person: Burkhart, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region I. Each of the six states in this region have county data zones in conic projection. The states in Region I are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG1,07510.



Record Contents

Number of Polygons ... 75

Points 4299

State Geocode

SMSA Geocode

County Geocode

County Name

09 CT CONNECTICUT
23 ME MAINE
25 MA MASSACHUSETTS
33 NH NEW HAMPSHIRE
44 RI RHODE ISLAND
50 VT VERMONT

[G34]

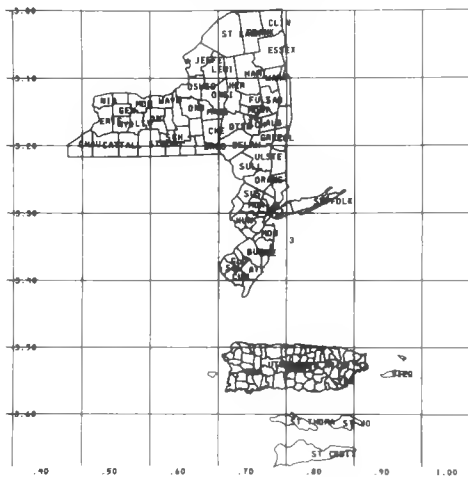
Database Name: U.S. Federal Region II

Contact Person: Burkhardt, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region II. Each of the two states and trust territories in this region have county data zones in conic projection. The states and territories are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG2,07510.



XBL 7812-13686

Record Contents

Number of Polygons ... 114
Points 6141

State Geocode

Puerto Rico /ST=64

St Croix /ST=67,C0=1

St John /ST=67,C0=3

St Thomas /ST=67,C0=5

SMSA Geocode

County Geocode

County Name

34 NJ NEW JERSEY
36 NY NEW YORK
64 PR PUERTO RICO
67 VI VIRGIN ISLANDS

[G35]

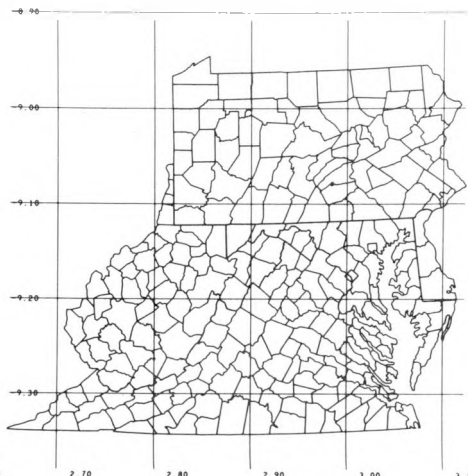
Database Name: U.S. Federal Region III

Contact Person: Burkhardt, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region III. Each of the five states and the District of Columbia in this region have county data zones in conic projection. The states are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG3,07510.



XBL 7811-12978

Record Contents

Number of Polygons ... 260
Points 11411

State Geocode

SMSA Geocode

County Geocode

County Name

10 DE DELAWARE
11 DC DIST COLUMBIA
24 MD MARYLAND
42 PA PENNSYLVANIA
51 VA VIRGINIA
54 WV WEST VIRGINIA

[G36]

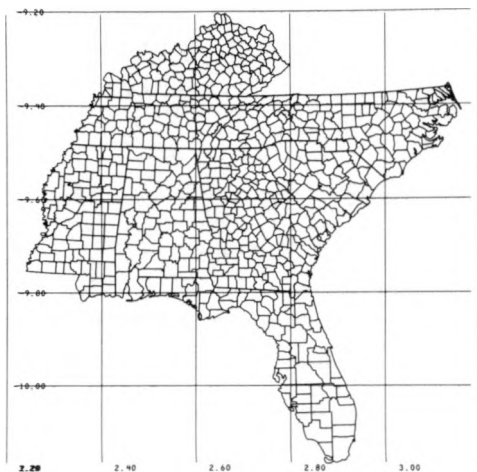
Database Name: U.S. Federal Region IV

Contact Person: Burkhart, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region IV. Each of the eight states in this region have county data zones in conic projection. The states are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG4,07510.



XBL 7811-12957

01 AL ALABAMA
12 FL FLORIDA
13 GA GEORGIA
21 KY KENTUCKY
28 MS MISSISSIPPI
37 NC NORTH CAROLINA
45 SC SOUTH CAROLINA
47 TN TENNESSEE

Record Contents

Number of Polygons ... 749
Points 30478

State Geocode
SMSA Geocode
County Geocode
County Name

[G37]

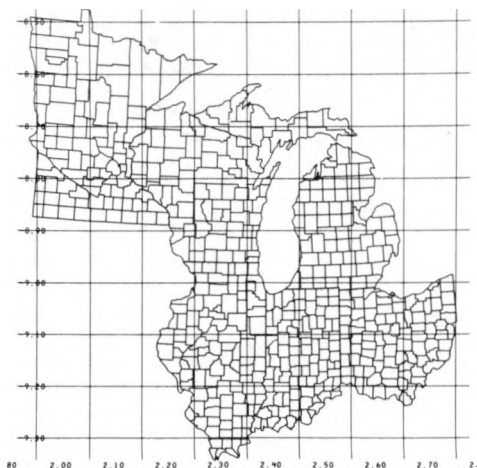
Database Name: U.S. Federal Region V

Contact Person: Burkhart, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region V. Each of the six states in this region have county data zones in conic projection. The states are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG5,07510.



XBL 7811-12956

17 IL ILLINOIS
18 IN INDIANA
26 MI MICHIGAN
27 MN MINNESOTA
39 OH OHIO
55 WI WISCONSIN

Record Contents

Number of Polygons ... 531
Points 11560

State Geocode
SMSA Geocode
County Geocode
County Name

[G38]

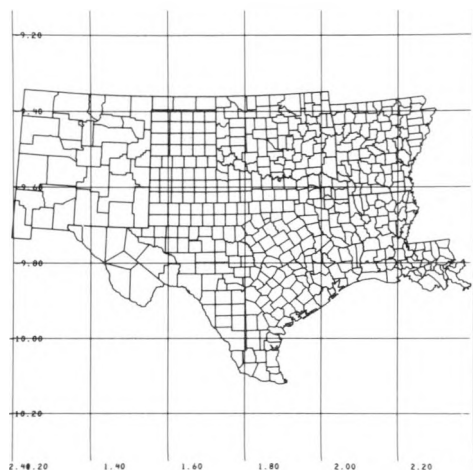
Database Name: U.S. Federal Region VI

Contact Person: Burkhardt, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region VI. Each of the five states in this region have county data zones in conic projection. The states are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG6,07510.



XBL 7811-12955

05 AR ARKANSAS
22 LA LOUISIANA
35 NM NEW MEXICO
40 OK OKLAHOMA
48 TX TEXAS

Record Contents

Number of Polygons ... 511
Points 15555

State Geocode
SMSA Geocode
County Geocode
County Name

[G39]

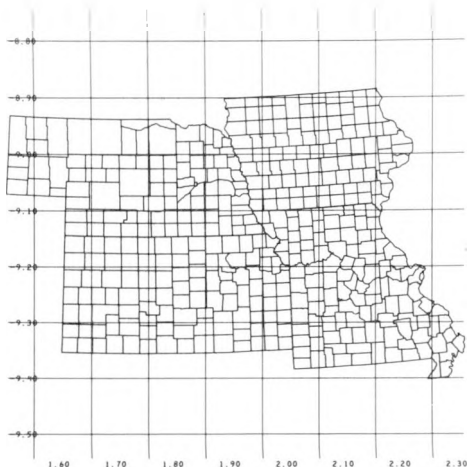
Database Name: U.S. Federal Region VII

Contact Person: Burkhardt, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region VII. Each of the four states in this region have county data zones in conic projection. The states are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG7,07510.



XBL 7811-12954

19 IA IOWA
20 KS KANSAS
29 MO MISSOURI
31 NB NEBRASKA

Record Contents

Number of Polygons ... 416
Points 6270

State Geocode
SMSA Geocode
County Geocode
County Name

[G40]

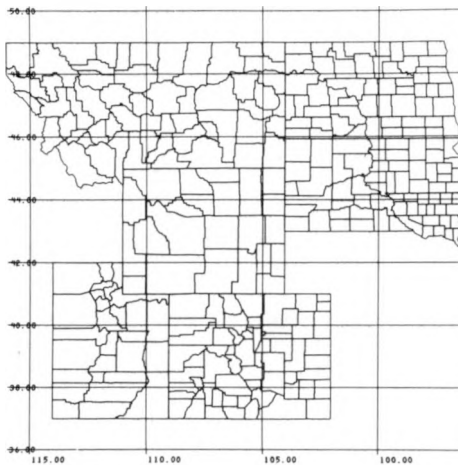
Database Name: U.S. Federal Region VIII

Contact Person: Burkhart, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region VIII. Each of the six states in this region have county data zones in conic projection. The states are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG8,07510.



08 CO COLORADO
30 MT MONTANA
38 ND NORTH DAKOTA
46 SD SOUTH DAKOTA
49 UT UTAH
56 WY WYOMING

Record Contents

Number of Polygons ... 299
Points 10000

State Geocode
SMSA Geocode
County Geocode
County Name

[G41]

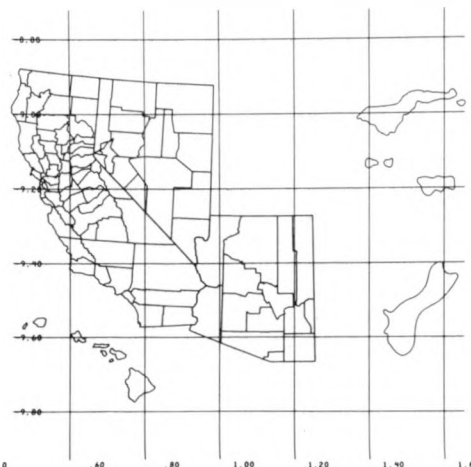
Database Name: U.S. Federal Region IX

Contact Person: Burkhart, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region IX. Each of the four states and trust territories in this region have county data zones in conic projection. The states and territories are listed below with the state FIPS numeric code, 2-letter abbreviation, and state and territory name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FREG9,07510.



04 AZ ARIZONA
06 CA CALIFORNIA
15 HI HAWAII
32 NV NEVADA
65 AS AMERICAN SAMOA
66 GU GUAM

Record Contents

Number of Polygons ... 108
Points 5691

State Geocode
Guam /ST=66,C0=1
American Samoa
Tutuila Island /ST=67,C0=1
Tau Island /ST=67,C0=4
Ofu Island /ST=67,C0=2
Olosega Island /ST=67,C0=3
SMSA Geocode
County Geocode
County Name

[G42]

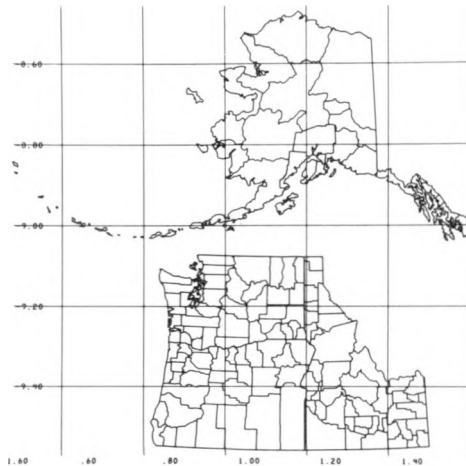
Database Name: U.S. Federal Region X

Contact Person: Burkhart, B.

General Description: This geographic base file is comprised of aggregated states defined as U.S. Federal Region X. Each of the four states in this region have county data zones in conic projection. The states are listed below with the state FIPS numeric code, 2-letter abbreviation, and state name.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=SENIORS/USXCO/CONIC/FRE10,07510.



XBL 7811-12951

02 AK ALASKA
16 ID IDAHO
41 OR OREGON
53 WA WASHINGTON

Record Contents

Number of Polygons ... 233
Points 12881

State Geocode
SMSA Geocode
County Geocode
County Name

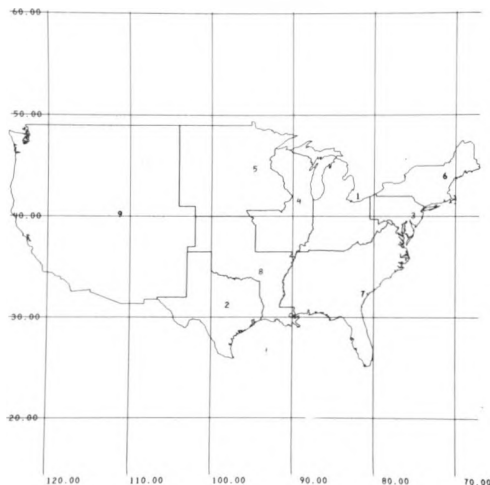
[G43]

Database Name: U.S. by National Electric Reliability Council (NERC) Regions

Contact Person: Merrill, D.W.

General Description: This special geographic base file has selected aggregated state data zones in the conterminous United States in latitude, longitude coordinate system as defined by the NERC. Individual state outlines have not been retained in this file.

Database Retrieval: GSS: GETTAPE,file=LONGLAT/NERC,15132.



XBL 789-10934

Record Contents

Number of Polygons 23
Points 10921

NERC Region code = SMSA Geocode

[G44]

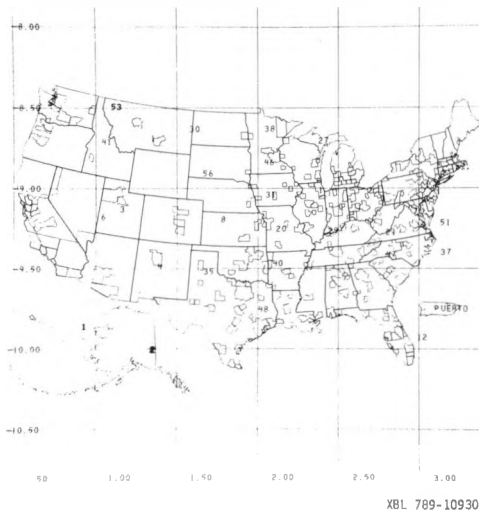
Database Name: U.S. by Standard Metropolitan Statistical Area (SMSA) - 1970

Contact Person: Benson, W.; Burkhart, B.; Wood, P.

General Description: This geographic base file contains a United States study area partitioned into 236 SMSA data zones (including Alaska, Hawaii and Puerto Rico) as defined by the Bureau of the Census in 1970. State outlines are retained in the file.

Original Data Source: SMSA's were aggregated from a county outline file except in New England which were digitized locally

Database Retrieval: GSS: GETTAPE,file=CONIC/SMSA,15132.



Record Contents

Number of Polygons 426
Points 33661

State Geocodes
SMSA Geocodes

[G45]

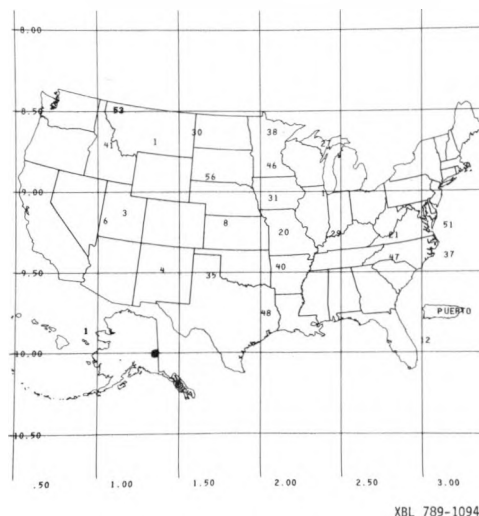
Database Name: U.S. by State, Version 1, Conic Projection

Contact Person: Benson, W.; Burkhart, B.; Wood, P.

General Description: This cartographic data base file contains a United States study area (including Alaska, Hawaii and Puerto Rico) partitioned into state data zones.

Original Data Source: Laboratory for Computer Graphics and Spatial Analysis, Harvard University; part local preparation

Database Retrieval: GSS: GETTAPE,file=CONIC/STATES,15132.



Record Contents

Number of Polygons 109
Points 18732

State Geocodes

[G46]

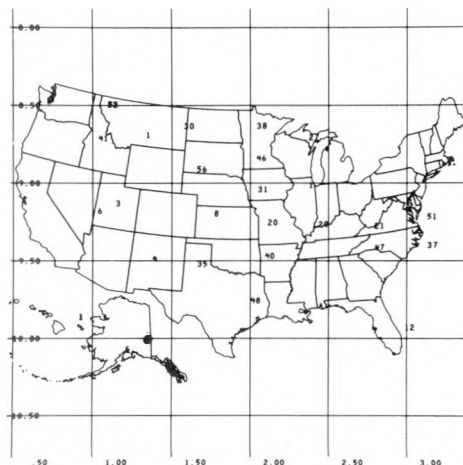
Database Name: U.S. by State, Version 2, Conic Projection

Contact Person: Benson, W.; Burkhart, B.; Wood, P.

General Description: This cartographic base file contains a United States study area (including Alaska and Hawaii) partitioned into state data zones.

Original Data Source: Laboratory for Computer Graphics and Spatial Analysis, Harvard University; part local preparation

Database Retrieval: GSS: GETTAPE,file=GBF/CONIC/STATES/WITHOUT/PRICO,26995.



XBL 7811-12959

Record Contents

Number of Polygons 108

Points 18426

State Geocodes

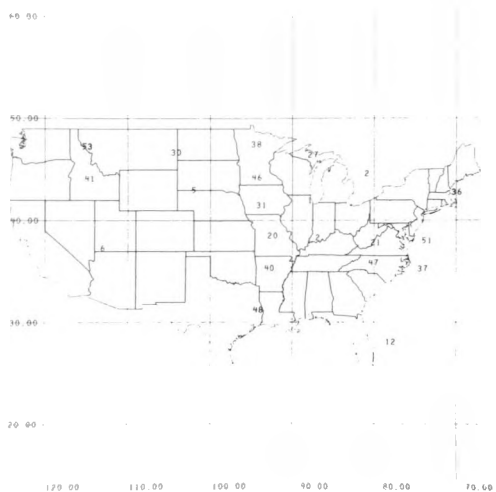
[G47]

Database Name: U.S. by State, Version 3, Conterminous U.S.

Contact Person: Benson, W.; Burkhart, B.; Wood, P.

General Description: This cartographic base file contains a conterminous United States study area partitioned into state data zones with latitude, longitude coordinates.

Database Retrieval: GSS: GETTAPE,file=LONGLAT/STATES,15132.



XBL 789-10938

Record Contents

Number of Polygons 64

Points 15416

State Geocodes

[G48]

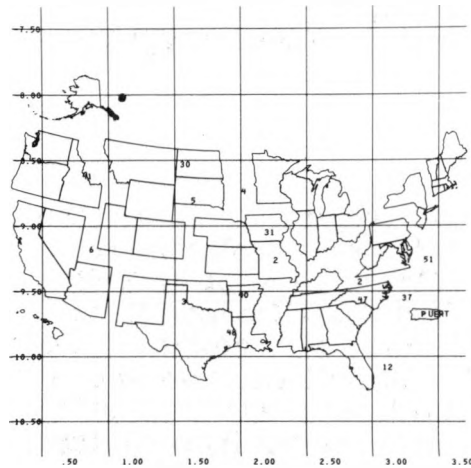
Database Name: U.S. by State, Version 4, Exploded Federal Region

Contact Person: Burkhart, B.

General Description: This geographic base file was edited to provide an improved conceptual image of the ten Federal Regions by separating (exploding) the state data zone groups for each region. The file is in conic projection.

Original Data Source: Continental U.S. from the Dept. of Transportation, Bureau of Public Roads Dime File; Hawaii and Alaska from inverted conic transformation (approximate coordinates); Puerto Rico file locally prepared

Database Retrieval: GSS: GETTAPE,file=GBF/TEN/FEDERAL/REGIONS/BY/STATE,26995.



XBL 7811-12970

Record Contents

Number of Polygons 109
Points 18732

State Geocodes
Federal Region Geocodes

[G49]

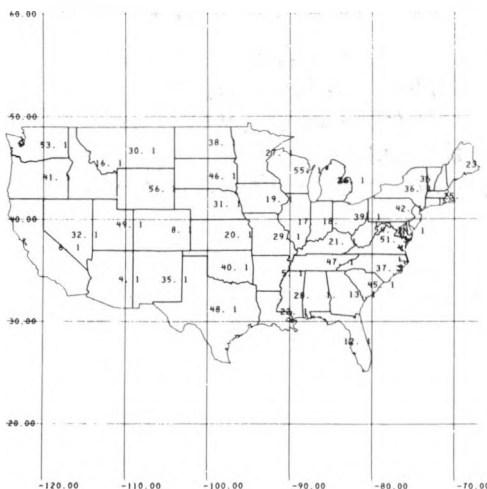
Database Name: U.S. by State, Version 5, Filtered Conterminous U.S.

Contact Person: Wood, P.

General Description: This cartographic base file was prepared to increase retrieval and plotting speed in the mapping process; it is a conterminous U.S. study area with state data zones in latitude, longitude coordinates. The file contains approximately one-fifth the points as compared to [G47], however there is a slight loss of detail in some boundaries.

Original Data Source: File locally prepared

Database Retrieval: GSS: GETTAPE,file=NICKEL/USTATE/CONTIN/DEG,10874.



XBL 789-10923

Record Contents

Number of Polygons 63
Points 3631

State Geocodes

[G50]

Database Name: U.S. by Western States by Hydrologic Study Area

Contact Person: Merrill, D.W.

General Description: This is a cartographic base file for hydrologic study areas of the Western United States. The state data were digitized and edited from the Stable Base Scribe Coat originals of the Hydrologic Unit Maps. The files are in the Lambert Conformal Conic projection. Reference points for conversion to latitude, longitude are provided.

Technical Documentation: GIRAS System Documentation, Digitized Hydrologic Units, State Data Bases Documentation, OWDC, U.S. Geological Survey, 8-4-77.

Original Data Source: U.S. Geologic Survey, via John Suich, SRL

Database Retrieval: File is not presently in Nickel format for CARTE mapping

[G51]

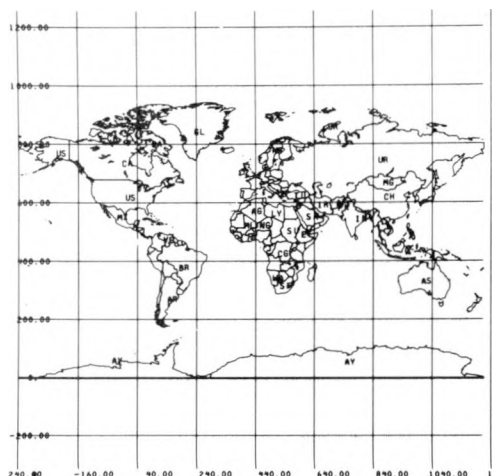
Database Name: World Data Bank I (WDB-I)

Contact Person: Wood, P.

General Description: This cartographic base file includes geographic coordinates outlining natural and manmade features of the world. Areas included are North America, South America, Europe, Africa, and Asia with major Islands and Lakes included for each area. WDB-I differs from WDB-II primarily in the number of points that describe each area (this base file map has 110,000 coordinate points compared with 6 million for WDB-II), and that the data is geocoded so that the outline for a country can be extracted as a unit. The data can be generalized, combined with other cartographic data, plotted or extracted for thematic mapping. Recommended maximum mapping scale is 1:10,000,000. Maximum ground resolution per 0.1 is 16 miles and for 1mm on map is 10 km. The file is in degrees, latitude-longitude.

Original Data Source: Laboratory for Computer Graphic and Spatial Analysis, Harvard University

Database Retrieval: GSS: GETTAPE,file=WORLD/DATA/BANK/I,26995. (Miller projection)
GETTAPE,file=NICKEL/DEGREES/D6,10874. (Long-Lat projection)



XBL 7812-13688

Record Contents

Number of Polygons 625
Points 15790

Continent code = State Geocode
Country code = SMSA Geocode
Country 2-letter abbreviation =
County Geocode
Country name = Area Name Geocode

See World Data Bank I Country Data
Record Index

[G52]

Database Name: World Data Bank II (WDB-II)

Contact Person: Merrill, D.W.; Wood, P.

General Description: This cartographic base file includes geographic coordinates outlining natural and political boundary features of the world - contained in five distinct areas: North America, South America, Europe, Africa, and Asia. These areas are further divided into separate files for coastlines, islands, lakes, rivers, and international boundaries. WDB-II contains much more detail (6 million points) than WDB-I. The WDB-II file is in nickel format but not polygon format. If a geographic area is to be selected for the SEEDIS MONITOR CARTE mapping program, additional processing through the MAPEDIT program is necessary. Since WDB-II is in boundary segments or strings, the file must be converted to a polygon file for mapping.

Technical Documentation: (1) Central Intelligence Agency (CIA), WDB-II General Users Guide (see Merrill) (2) D. E. Anderson, et. al., World Data Bank II: Content, Structure and Application. Published in Vol. III of Proceedings for Geographic Informations Systems, Oct 1977, Harvard University for Computer Graphics and Spatial Analysis.

Original Data Source: CIA, Office of Geographic and Cartographic Research (OCGR)

Database Retrieval: See Contact Person

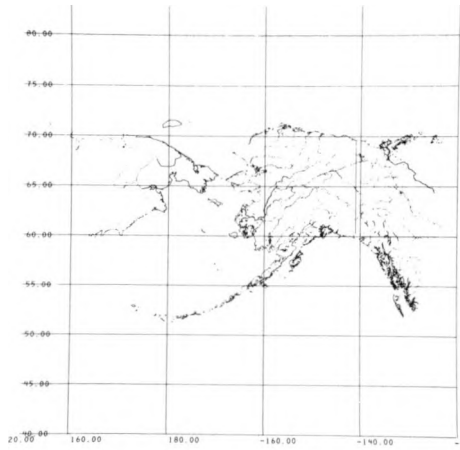
The following chart indicates 24 nickel file, boundary segmented map files that have been extracted from WDB-II. As indicated in [G52], additional processing is needed on these map files for the CARTE mapping process.

GBF BASE FILES* EXTRACTED FROM WORLD DATA BANK II

	Name	Tape	PathName	Records	Points
1.	ALASKA	04615	WDB2/MAK001	1327	186643
2.	AUSTRALIA	04615	WDB2/MAUSTR	757	121613
3.	BELGIUM/NETHERLANDS/LUXEMBOURG	08405	WDB2/MBNLUX	110	28006
4.	CALIFORNIA/NEVADA	04615	WDB2/MCALNV	169	36880
5.	CANADA	04615	WDB2/MCANAI	5462	905083
6.	CANADA (SOUTHEAST)	04615	WDB2/MSECAN	2440	343098
7.	CANADA (SOUTHWEST)	04615	WDB2/MSWCAN	1244	247256
8.	CANADA (NORTHERN)	04615	WDB2/MNOCAN	2028	363930
9.	CENTRAL AMERICA/CARIBBEAN	04615	WDB2/MCENAM	1895	379151
10.	EUROPE	04615	WDB2/MEUROPE	3922	740585
11.	EUROPE (WESTERN)	08405	WDB2/MWEURO	2107	385165
12.	FRANCE	08405	WDB2/MFRANC	437	120470
13.	GREAT BRITAIN	08405	WDB2/MGRTBR	342	69610
14.	GREENLAND/ICELAND	04615	WDB2/MGREEN	1245	203573
15.	GUAM	08405	WDB2/MGUAM1	1	233
16.	HAWAII	04615	WDB2/MHAWAI	13	2452
17.	MARYLAND/DELAWARE	04615	WDB2/MMDDEL	37	18028
18.	MEXICO	04615	WDB2/MMEXIC	742	173507
19.	PUERTO RICO/VIRGIN ISLANDS	08405	WDB2/MPRCVI	25	1792
20.	SAMOA	08405	WDB2/MSAMOA	8	840
21.	U.S. (CONTINENTAL)	04615	WDB2/MUSCN2	2097	454069
22.	U.S. (EASTERN)	04615	WDB2/MEAST1	926	191694
23.	U.S. (CENTRAL)	04615	WDB2/MCENT1	805	181240
24.	U.S. (WESTERN)	04615	WDB2/MWEST1	515	137361

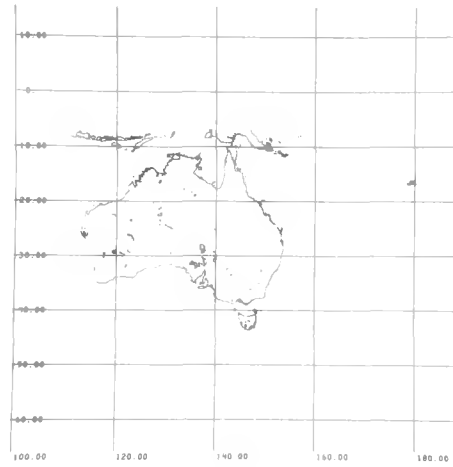
*Plots for these WDB-2 files are shown on the following pages

Plots from [G52]



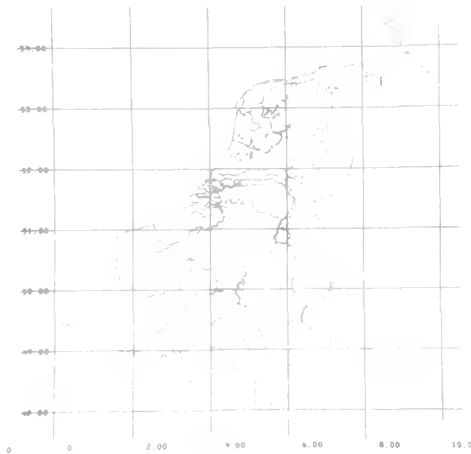
XBL 7810-11738

1. WDB2-Alaska



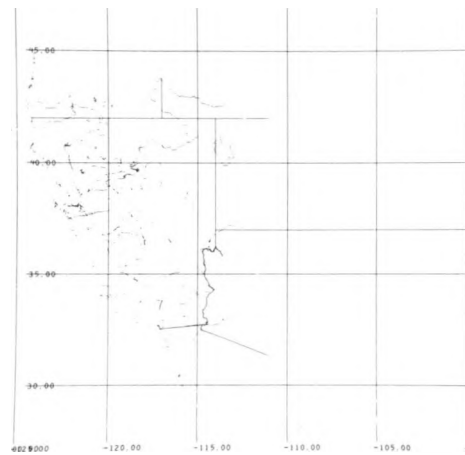
XBL 7810-11729

2. WDB2-Australia



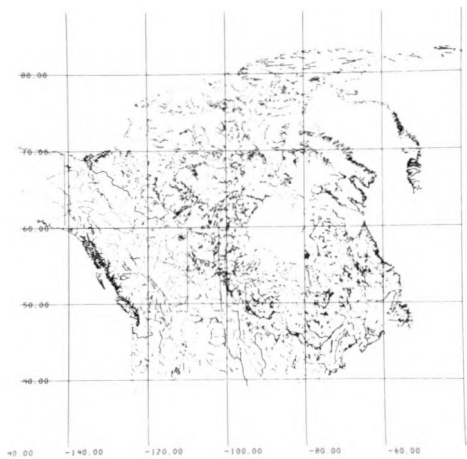
XBL 7810-11740

3. WDB2-Belgium/Netherlands/Luxembourg



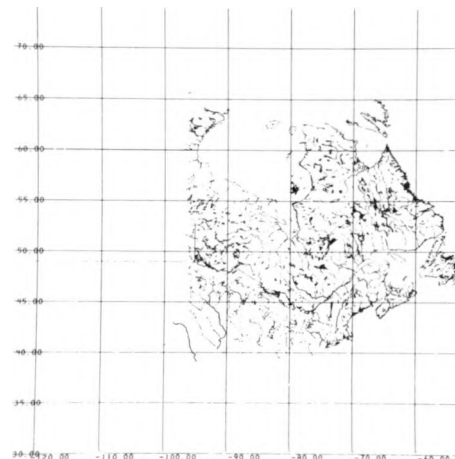
XBL 7810-11743

4. WDB2-California/Nevada



XBL 7810-11746

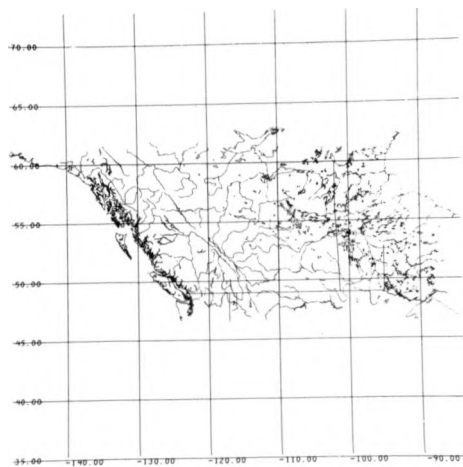
5. WDB2-Canada



XBL 7810-11725

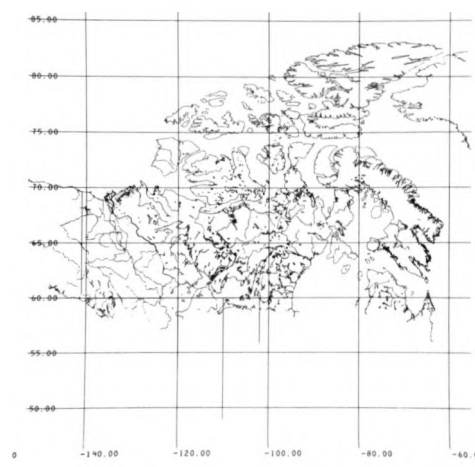
6. WDB2-Canada(SouthEast)

Plots from [G52] continued



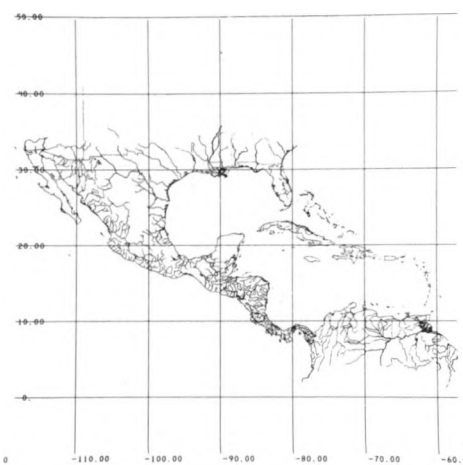
XBL 7810-11728

7. WDB2-Canada(SouthWest)



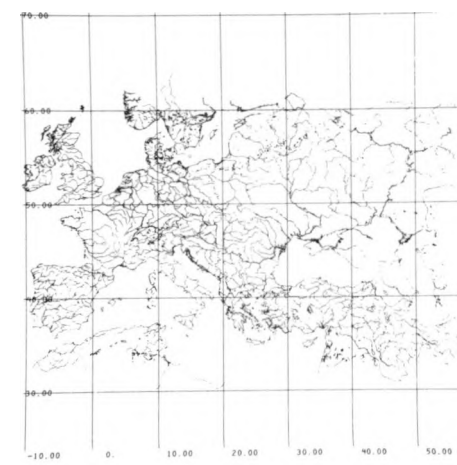
XBL 7810-11730

8. WDB2-Canada(Northern)



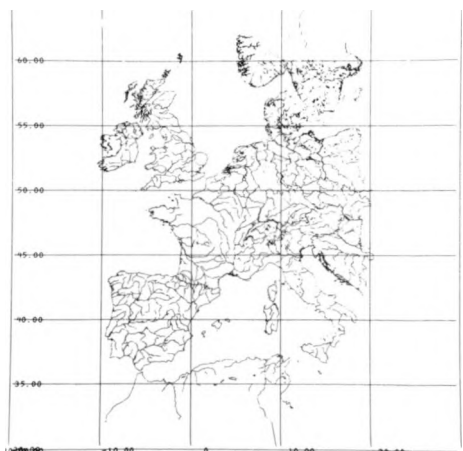
XBL 7810-11731

9. WDB2-Central America/Caribbean



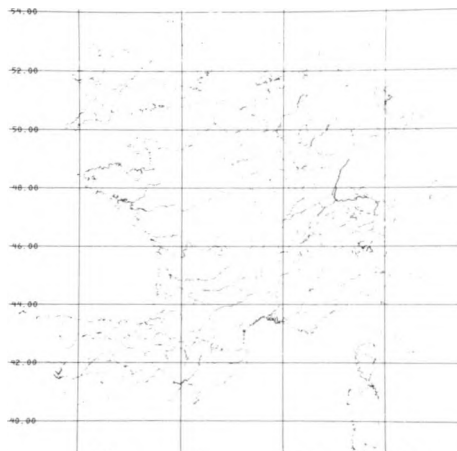
XBL 7810-11746

10. WDB2-Europe



XBL 7810-11732

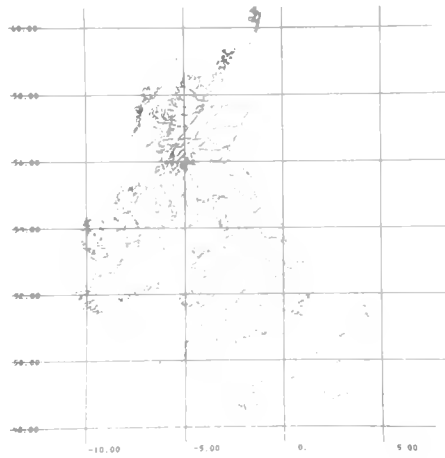
11. WDB2-Europe(Western)



XBL 7810-11734

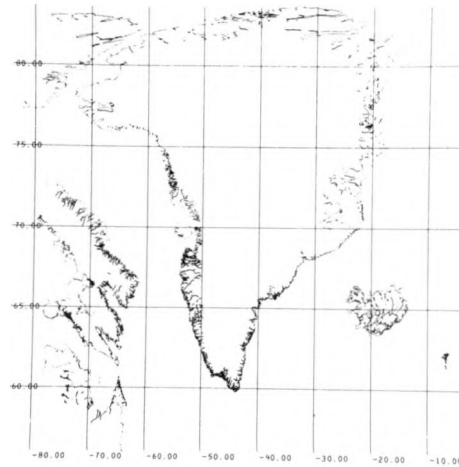
12. WDB2-France

Plots from [G52] continued



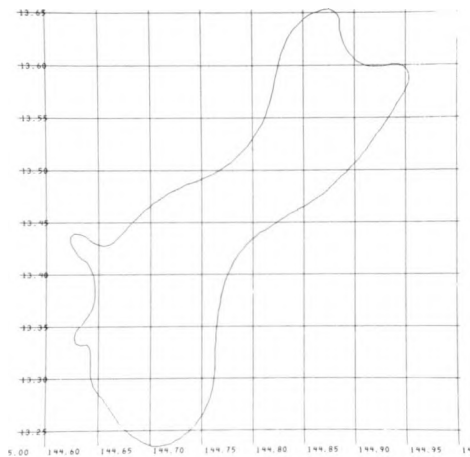
XBL 7810-11741

13. WDB2-Great Britain



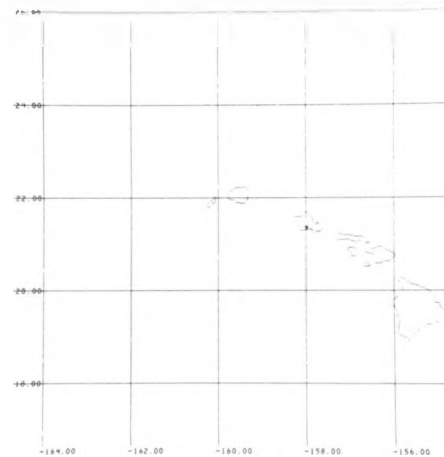
XBL 7810-11727

14. WDB2-Greenland/Iceland



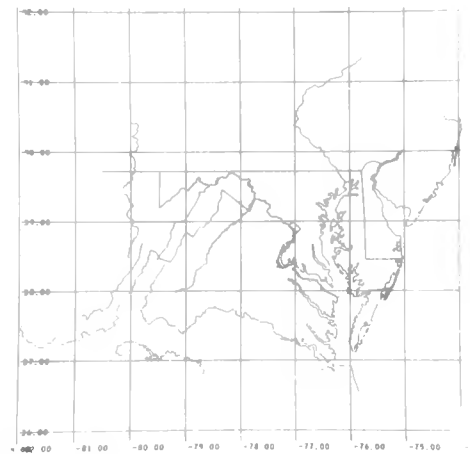
XBL 7810-11742

15. WDB2-Guam



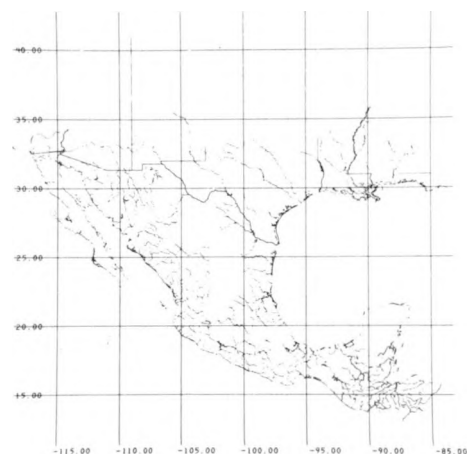
XBL 7810-11747

16. WDB2-Hawaii



XBL 7810-11739

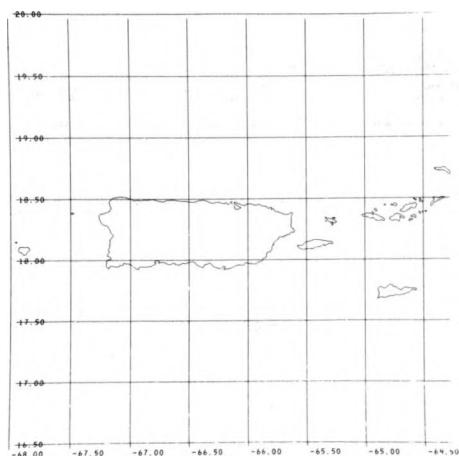
17. WDB2-Maryland/Delaware



XBL 7810-11735

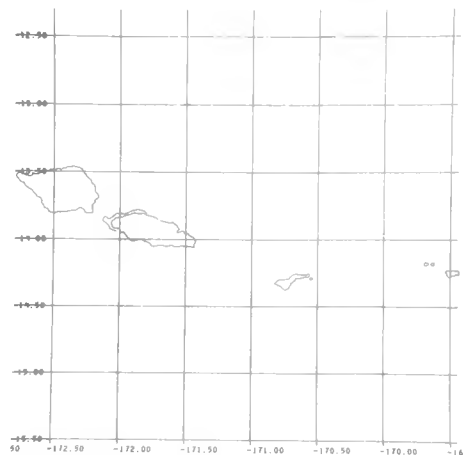
18. WDB2-Mexico

Plots from [G52] continued



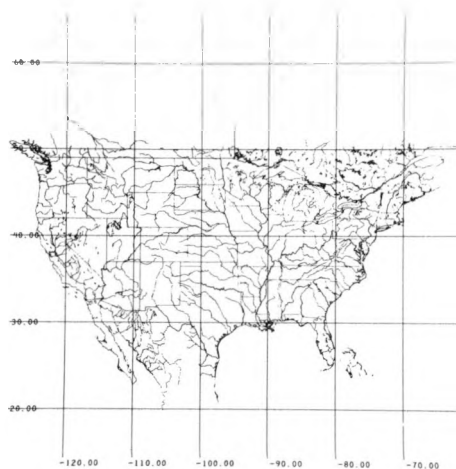
XBL 7810-11873

19. WDB2-Puerto Rico/Virgin Islands



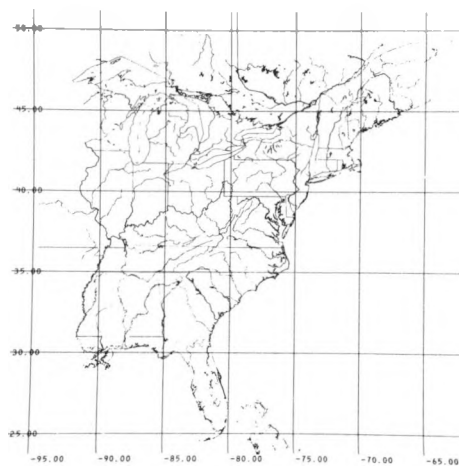
XBL 7810-11745

20. WDB2-Samoa



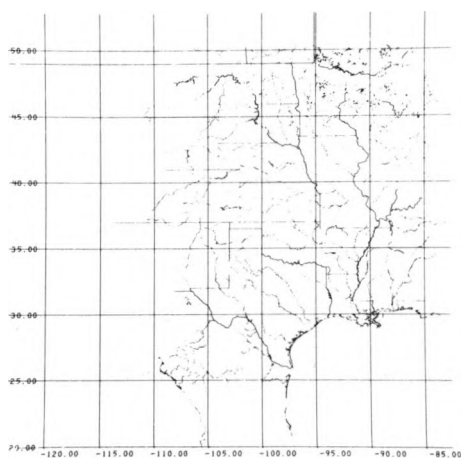
XBL 7810-11733

21. WDB2-U.S.(Continental)



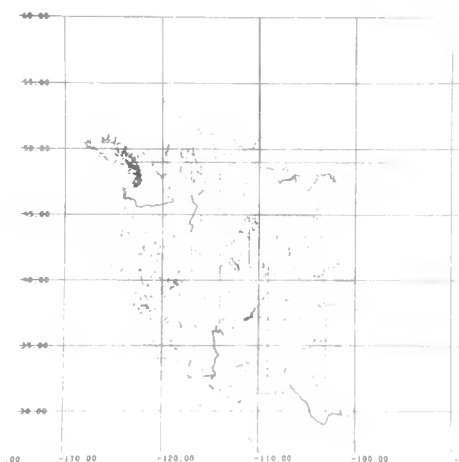
XBL 7810-11726

22. WDB2-U.S.(Eastern)



XBL 7810-11736

23. WDB2-U.S.(Central)



XBL 7810-11744

24. WDB2-U.S.(Western)

CONTACT PERSON INDEX

<u>Contact Person</u>	<u>LBL Address *</u>	<u>LBL Phone** Extension</u>	<u>Data File Number(s)</u>
Benson, W.	50B-2239	5703	1, 11, 12, 13, 27-30, 44-47
Burkhart, B.	50B-3209	5920	2, 3, 9, 13-30, 33-42, 44-48
Gey, F. C.	50B-3201	6208	7
Healey, R. N.	50B-3209F	5684	7, 9
Merrill, D. W.	50B-3239	5063	5, 6, 8, 10, 31, 32, 43, 50, 52
Sventek, V. A.	50B-2239	5216	13
Wood, P. M.	50B-3209C	5228	4, 11, 13, 27-30, 44-47, 49, 51, 52

* Address: Lawrence Berkeley Laboratory
University of California
Berkeley, CA 94720

** Phone: Commercial (415) 486, plus extension
Federal Telecommunications System: 451 + last 4 digits of
extension

STANDARD METROPOLITAN STATISTICAL AREA INDEX

SMSA Number	Number of Tracts	Number of Points	SMSA Name	SMSA Abbreviated Pathname
0040	41	1458	Abilene, TX	ABILENE
0080	128	3157	Akron, OH	AKRON
0120	30	1372	Albany, GA	ALBANYG
0160	161	5876	Albany-Schen-Troy, NY	ALBANY
0200	55	1893	Albuquerque, NM	ALBUQUE
0240	125	5071	Allentown-Beth, NJ-PA	ALLENTO
0280	36	1613	Altoona, PA	ALTOONA
0320	62	1484	Amarillo, TX	AMARILL
0360	322	10105	Anaheim, Santa Ana, CA	ANAHIEM
0400	38	877	Anderson, IN	ANDERSO
0440	64	1779	Ann Arbor, MI	ANNARBO
0460	78	2758	Appleton-Oshdosh, WI	APPLETO
0480	36	4642	Ashville, NC	ASHEVIL
0520	233	13607	Atlanta, GA	ATLANTA
0560	77	3340	Atlantic City NJ	ATLANTI
0600	51	2345	Augusta, GA-SC	AUGUSTA
0640	37	2532	Austin, TX	AUSTIN
0680	84	2350	Bakersfield, CA	BAKERSF
0720	542	25327	Baltimore, MD	BALTIMO
0760	65	2481	Baton Rouge, LA	BATONRO
0800	28	1003	Bay City, MI	BAYCITY
0840	91	3305	Beaumont-Port Arthur, TX	BEAUMON
0880	29	2053	Billings, MT	BILLING
0920	36	2348	Biloxi-Gulfport, MS	BILOXI
0960	70	2764	Binghamton, NY-PA	BINGHAM
1000	149	11312	Birmingham, AL	BIRMING
1040	23	332	Bloomington-Norma, IL	BLOOMIN
1080	33	1892	Boise City ID	BOISE
1120	544	19584	Boston, MA	BOSTON
1160	106	7000	Bridgeport, CT	BRIDGEP
1170	12	672	Bristol, CT	BRISTOL
1200	35	2009	Brockton, MA	BROCKTO
1240	43	2941	Brownsville-Harli TX	BROWNSV
1260	16	1127	Bryan-College Station, TX	BYRONCO
1280	279	6913	Buffalo, NY	BUFFALO
1320	85	2858	Canton, OH	CANTON
1360	39	2110	Cedar Rapids, IA	CEDARRA
1400	33	544	Champaign-Urbana, IL	CHAMPAI
1440	79	7220	Charleston, SC	CHARLSC
1480	61	6795	Charleston, WV	CHARLWV
1520	87	5287	Charlotte, NC	CHAROLE
1600	1410	16225	Chicago, IL	CHICAGO
1640	318	16269	Cincinnati, OH-KY-IN	CINCINN
1680	459	9034	Cleveland, OH	CLEVELA

SMSA Number	Number of Tracts	Number of Points	SMSA Name	SMSA Abbreviated Pathname
1720	58	2871	Colorado Springs, CO	COLORAD
1740	20	1547	Columbia, MO	COLUMBM
1760	82	5844	Columbia, SC	COLUMBS
1800	67	3749	Columbus, AL-GA	COLUMBA
1840	237	6200	Columbus, OH	COLOMBO
1880	76	4089	Corpus Christi, TX	CORPUSC
1920	367	2047	Dallas, TX	DALLAS
2000	209	5000	Dayton, OH	DAYTON
2040	32	1053	Decatur, IL	DECATUR
2080	349	7932	Denver-Boulder, CO	DENVER
2120	66	1492	Des Moines, IA	DESMOIN
2160	1028	12432	Detroit, MI	DETROIT
2200	18	1187	Dubuque, IA	DUBUQUE
2240	92	5131	Duluth-Superior, MN-WI	DULUTH
2280	47	3768	Durham, NC	DURHAM
2320	61	2071	El Paso, TX	ELPASO
2360	52	1117	Erie, PA	ERIE
2400	54	6178	Eugene-Springfield, OR	EUGENE
2440	66	2656	Evansville, IN-KY	EVANSVI
2480	35	1819	Fall River, MA-RI	FALLRIV
2520	23	3032	Fargo-Moorhead, ND-MN	FARGOMO
2560	37	3482	Fayetteville, NC	FAYETTE
2600	24	1738	Fitchburg, MA	FITCHBU
2640	111	3180	Flint, MI	FLINT
2680	126	1905	Ft. Lauderdale-Hol, FL	FORTLAU
2720	37	3746	Fort Smith, AR-OK	FORTSMI
2760	65	1593	Fort Wayne, IN	FORTWAY
2800	176	9933	Fort Worth, TX	FORTWOR
2840	96	3444	Fresno, CA	FRESNO
2880	31	3503	Gadsden, AL	GADSDEN
2900	22	1517	Gainesville, FL	GAINESV
2920	55	2950	Galveston-Texasci, TX	GALVEST
2960	108	2756	Gary-Hammond-E.Ch. IN	GARYHAM
3000	125	3179	Grand Rapids, MI	GRANDRA
3040	30	2670	Great Falls, MT	GREATFA
3080	44	2384	Green Bay, WI	GREENBA
3120	157	8287	Greensboro-Winsto, NC	GREENSB
3160	58	5623	Greenville, SC	GREENV
3200	55	3077	Hamilton-Middleto, OH	HAMILTO
3240	110	4419	Harrisburg, PA	HARRISB

SMSA Number	Number of Tracts	Number of Points	SMSA Name	SMSA Abbreviated Pathname
3280	175	3334	Hartford, CT	HARTFOR
3320	165	9610	Honolulu, HI	HONOLUL
3360	348	16187	Houston, TX	HOUSTON
3400	68	5006	Huntington-Ashlan, OH	HUNTING
3440	71	3668	Huntsville, AL	HUNTSVI
3480	253	4495	Indianapolis, IN	INDIANA
3520	32	893	Jackson, MI	JACKMIC
3560	61	5584	Jackson, MS	JACKMIS
3600	105	3777	Jacksonville, FL	JACKSON
3640	159	5114	Jersey City, NJ	JERSEYC
3680	67	4086	Johnstown, NJ	JOHNSTO
3720	51	2076	Kalamazoo, MI	KALAMAZ
3760	357	8156	Kansas City, MO-KS	KANSASC
3800	30	524	Kenosha, WI	KENOSHA
3840	94	6993	Knoxville, TN	KNOXVIL
3880	21	1212	Lafayette, LA	LAFAYEL
3920	29	705	Lafayette-W. Lafayette IN	LAFAYEI
3960	40	2113	Lake Charles, LA	LAKECHR
4000	82	6464	Lancaster, PA	LANCAST
4040	100	2132	Lansing, MI	LANSING
4080	19	507	Laredo, TX	LAREDO
4120	70	1683	Las Vegas, NV	LASVEGA
4160	51	2364	Lawrence-Haver, MA-NH	LAWRENC
4200	24	604	Lawton, OK	LAWTON
4240	19	1415	Lewiston-Auburn-ME	LEWISTO
4280	42	1395	Lexington, KY	LEXINGT
4320	55	1088	Lima, OH	LIMA
4360	45	844	Lincoln, NE	LINCOLN
4400	58	4357	Little Rock-NLitt, AR	LITTLER
4440	71	3430	Lorain-Elyria, OH	LORAINE
4480	1579	52	Los Angeles-Longb, CA	LOSANGE
4520	181	5495	Louisville, KY-IN	LOUISVI
4560	46	1790	Lowell, MA	LOWELL
4600	42	1180	Lubbock, TX	LUBBOCK
4640	29	3563	Lynchburg, VA	LYNCHBU
4680	51	3333	Macon, GA	MACON
4720	77	3825	Madison, WI	MADISON
4760	-	-	Manchester, NH	MANCHES
4800	30	589	Mansfield, OH	MANSFIE

SMSA Number	Number of Tracts	Number of Points	SMSA Name	SMSA Abbreviated Pathnames
4840	22	2726	Mayague, Puerto Rico	MAYAGUE
4880	43	1184	Mcallen-Pharr-Edi, TX	MCALLEN
4920	141	3761	Memphis, TN-AR	MEMPHIS
4960	17	560	Meriden, CT	MERIDEN
5000	232	4079	Miami, FL	MIAMI
5040	16	282	Midland, TX	MIDLAND
5080	373	6729	Milwaukee, WI	MILWAUK
5120	506	12801	Minneapolis-StPau, MN	MINNEAP
5160	126	8288	Mobile, AL	MOBILE
5170	49	2381	Modesto, CA	MODESTO
5200	34	2462	Monroe, LA	MONROE
5240	55	3653	Montgomery, AL	MONTGOM
5280	27	530	Muncie, IN	MUNCIE
5320	46	1893	Muskegon-M. Height, MI	MUSKEGO
5360	114	6535	Nashville-Davidso, TN	NASHVIL
5400	41	1621	New Bedford, NA	NEWBEDF
5440	32	1501	New Britain, CT	NEWBRIT
5480	77	3294	New Haven-W. Haven CT	NEWHAVE
5560	264	5144	New Orleans, LA	NEWORLE
5600	357	6367	Bronx, Cnty 5, NYC	BRONX
5600	800	8582	Kings, Cnty 47, NYC	KINGSCO
5600	518	16910	Nassau, Cnty 59, NYC/Suffolk	NASSAU
5600	296	5083	NY Co, Cnty 61, NYC	NEWYOCO
5600	683	10841	Queens, Cnty 81, NYC	QUEENS
5600	100	3347	Richmond, Cnty 85, NYC	RICHNYC
5600	36	1822	Rockland, Cnty 87, NYC	ROCKNYC
5600	208	9965	Westchester, C119, NYC	WESTCHE
5640	404	13179	Newark, NJ	NEWARK
5680	58	5691	Newport News, VA	NEWPORT
5720	185	185	Norfolk-Portsmout, VA	NORFOLK
5760	39	2869	Norwalk, CT	NORWALK
5800	26	385	Odessa, TX	ODESSA
5840	35	1509	Ogden, UT	OGDEN
5880	210	2728	Oklahoma City, OK	OKLAHOM
5920	134	2468	Omaha, NE, IA	OMAHA
5960	101	3538	Orlando, FL	ORLANDO
6000	90	4744	Oxnard-Ventura, CA	OXNARD
6040	213	6472	Patterson, Clifton, NJ	PATTERS
6080	52	3869	Pensacola, FL	PENSACO
6120	78	2263	Peoria, IL	PEORIA
6160	1140	30534	Philadelphia, NJ-PA	PHILADE
6200	233	2634	Phoenix, AZ	PHOENIX

SMSA Number	Number of Tracts	Number of Points	SMSA Name	SMSA Abbreviated Pathname
6240	21	1287	Pine Bluff, AR	PINEBLU
6280	713	29834	Pittsburgh, PA	PITTSBU
6320	15	796	Pittsfield, MA	PITTSFI
6360	32	2483	Ponce, Puerto Rico	PONCE
6400	63	3478	Portland, ME	PORTLAM
6440	271	11806	Portland, OR-WA	PORTLAO
6480	203	8240	Providence-Paw, RI-MA	PROVIDE
6520	40	2604	Provo, UT	PROVO
6560	42	2706	Pueblo, CO	PUEBLO
6600	26	642	Racine, WI	RACINE
6640	55	4470	Raleigh, NC	RALEIGH
6680	82	3433	Reading, PA	READING
6720	34	1362	Reno, NV	RENO
6760	142	4932	Richmond, VA	RICHVA
6800	37	3395	Roanoke, VA	ROANOKE
6820	22	978	Rochester, MN	ROCHESM
6840	228	6292	Rochester, NY	ROCHEST
6880	69	1665	Rockford, IL	ROCKFOR
6920	172	4733	Sacramento, CA	SACRAME
6960	53	1083	Saginaw, MI	SAGINAW
7000	-	-	St. Joseph, MO	STJOSEP
7040	425	13906	St. Louis, MO-IL	STLOUIS
7080	46	3450	Salem, OR	SALEM
7120	62	5986	Salinas-Monterey, CA	SALINAS
7160	116	4548	Salt Lake-Ogden, UT	SALT LAK
7200	17	851	San Angelo, TX	SANANGE
7240	175	6361	San Antonio, TX	SANANTO
7280	217	7045	San Bernadino-Ri, CA	SANBERN
7320	318	6278	San Diego, CA	SANDIEG
7360	739	26740	San Francisco-Oak, CA	SANFRAN
7400	210	7401	San Jose, CA	SANJOSE
7440	169	9256	San Juan, Puerto Rico	SANJUAN
7480	58	5375	Santa Barbara, CA	SANTABA
7500	43	4250	Santa Rosa, CA	SANTARO
7520	73	3370	Savannah, GA	SAVANNA
7560	60	2282	Scranton, PA	SCRANTO
7600	311	10647	Seattle-Everett, WA	SEATTLE
7640	19	1355	Sherman, TX	SHERMAN
7680	68	5163	Shreveport, LA	SHREVEP
7720	29	1334	Sioux City, NE-IA	SIOUXCI

SMSA Number	Number of Tracts	Number of Points	SMSA Name	SMSA Abbreviated Pathname
7760	23	909	Sioux Falls	SIouxFA
7800	70	1404	South Bend, IN	SOUTHBE
7840	90	5150	Spokane, WA	SPOKANE
7880	40	1446	Springfield, IL	SPRINIL
7920	52	967	Springfield, MO	SPIRNGM
7960	42	2262	Springfield, OH	SPRINGO
8000	90	3196	Springfield-Chico, MA	SPRINGF
8040	46	4113	Stamford, CT	STAMFOR
8080	48	3569	Steubenville-W., OH-WV	STEUBEN
8120	72	3990	Stockton, CA	STOCKTO
8160	181	4482	Syracuse, NY	SYRACUS
8200	80	3955	Tacoma, WA	TACOMA
8240	42	1415	Tallahassee, FL	TALLAHA
8280	240	1536	Tampa-St. Petersbu, FL	TAMPA
8320	45	1672	Terre Haute, IN	TERREHA
8360	27	2342	Texarkana, TX-AR	TEXARKA
8400	196	4308	Toledo, MI-OH	TOLEDO
8440	41	1122	Topeka, KS	TOPEKA
8480	61	2153	Trenton, NJ	TRENTON
8520	66	2984	Tucson, AZ	TUCSON
8560	139	4103	Tulsa, OK	TULSA
8600	25	3080	Tuscaloosa, AL	TUSCALO
8640	23	1922	Tyler, TX	TYLER
8680	104	4538	Utica, NY	UTICA
8720	78	4642	Vallejo-Napa-Fair, CA	VALLEJO
8760	32	3271	Vineland, NJ	VINELAN
8800	44	3882	Waco, TX	WACO
8840	655	23245	Washington, D.C., MD-VA	WASHING
8880	51	3363	Waterbury, CT	WATERBU
8920	36	1600	Waterloo - Cendar Falls IA	WATERLO
-	-	-	Westchester & Rockland NYC	WESTROC
8960	88	3300	West Palm Beach, FL	WESTPAL
9000	52	3902	Wheeling, OH-WV	WHEELIN
9040	106	2041	Wichita, KA	WICHITK
9080	40	2828	Wichita Falls, TX	WICHITT
9120	102	2660	Wilkes-Barre, PA	WILKESB
9160	143	8094	Wilmington, DE-MD-NJ	WILMIND
9200	33	2510	Wilmington, NC	WILMINN
9240	92	3750	Worcester, MA	WORCEST
9280	82	8691	York, PA	YORK
9320	135	4927	Youngstown, OH	YOUNGST

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COUNTRY CODE	CONTINENT CODE	COUNTRY ABBREVIATION	COUNTRY NAME
62	97	EQ	Canton and Enderbury Islands
66	97	GQ	Guam
71	97	MQ	Midway Islands
72	91	RQ	Puerto Rico Commonwealth
75	97	TQ	U.S. Trust Territory Pacific
78	91	VQ	Virgin Islands
79	97	WQ	Wake Island
110	95	AF	Afghanistan
120	93	AL	Albania
125	94	AG	Algeria
140	93	AN	Andorra
141	94	AO	Angola
143	98	AY	Antarctica
149	92	AC	Antigua
150	92	AR	Argentina
160	96	AS	Australia
165	93	AU	Austria
175	93	AZ	Azores
180	91	BF	Bahamas
181	95	BA	Bahrain
182	95	BG	Bangladesh
190	93	BE	Belgium
195	91	BD	Bermuda
200	95	BT	Bhutan
205	96	BL	Bolivia
210	94	BO	Botswana
220	92	BR	Brazil
227	92	BH	British Honduras
228	94	IO	British Indian Ocean Territory
229	97	BP	Solomon Islands

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232	97	BX	Brunei
245	93	BU	Bulgaria
250	95	BM	Burma
252	94	BY	Burundi
255	95	CB	Cambodia
257	94	CM	Cameroon
260	91	CA	Canada
264	94	CV	Cape Verde Islands
266	94		Canaries
269	94	CT	Central African Republic
272	95	CE	Sri Lanka
273	94	CD	Chad
275	92	CI	Chile
280	95	CH	China
281	95	TW	Taiwan
285	92	CO	Colombia
286	95	CN	Comores Islands
290	94	CF	Congo
291	94	CG	Zaire
295	91	CS	Costa Rica
300	91	CU	Cuba
305	93	CY	Cyprus
310	93	CZ	Czechoslovakia
311	94	DM	Dahomey
315	93	DA	Denmark
318	92	DO	Dominica
320	91	DR	Dominican Republic
325	92	EC	Ecuador
330	91	ES	El Salvador
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335	94	ET	Ethiopia
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337	92	FA	Falkland Islands
338	97	FJ	Fiji
340	93	FI	Finland
350	93	FR	France
355	92	FG	French Guiana
367	97	FP	Polynesia
369	98	FS	French Southern and Antarctic Islands
370	94	FT	Afars and Issas
388	94	GB	Gabon
389	94	GA	Gambia
394	93	GE	West Germany
395	93	GC	East Germany
396	94	GH	Ghana
398	97	GN	Gilbert and Ellice Islands
400	93	GR	Greece
405	91	GL	Greenland
407	92	GP	Guadeloupe
415	91	GT	Guatemala
417	94	GV	Guinea
418	92	GY	Guyana
420	91	HA	Haiti
430	91	HO	Honduras
435	95	HK	Hong Kong
445	93	HU	Hungary
450	93	IC	Iceland
455	95	IN	India
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460	95	IR	Iran
465	95	IZ	Iraq
467	95	IY	Neutral Zone
470	93	EI	Ireland
475	95	IS	Israel
480	93	IT	Italy
485	94	IV	Ivory Coast
487	91	JM	Jamaica
488	93	JN	Jan Mayen
490	95	JA	Japan
500	95	JO	Jordan
505	94	KE	Kenya
514	95	KN	North Korea
515	95	KS	South Korea
520	95	KU	Kuwait
530	95	LA	Laos
540	95	LE	Lebanon
543	94	LT	Lesotho
545	94	LI	Liberia
550	94	LY	Lybia
570	93	LU	Luxembourg
575	94	MA	Madagascar
577	94	MI	Malawi
580	97	MY	Malaysia
585	94	ML	Mali
590	93	MT	Malta
591	92	MB	Martinique
592	94	MR	Mauritania
593	94	MP	Mauritius

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610	94	MO	Morocco
615	94	MZ	Mozambique
616	95	MU	Oman
625	95	NO	Nepal
630	93	NL	Netherlands
640	92	NA	Netherlands Antilles
645	97	NC	New Caledonia
651	97	NH	New Hebrides
660	97	NZ	New Zealand
665	91	NU	Nicaragua
667	94	NG	Niger
670	94	NI	Nigeria
672	97	NE	Niue
685	93	NO	Norway
700	95	PK	Pakistan
710	91	PN	Panama
712	97	PP	Papua New Guinea
715	92	PA	Paraguay
720	92	PE	Peru
725	97	RP	Phillipines
727	97	PC	Pitcairn Island
730	93	PL	Poland
735	93	PO	Portugal
737	94	PU	Portuguese Guinea
738	97	PT	Tortuguese Timor
747	95	QA	Qatar
750	95	RE	Reunion
755	93	RO	Rumania

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763	92	SC	St. Christopher, Nevis, Anguilla
765	94	SH	Saint Helena
773	91	SB	Saint Pierre and Miquelon
775	92	VC	Saint Vincent
783	94	TP	Sao Tome and Principe
785	95	SA	Saudi Arabia
787	94	SG	Senegal
788	94	SE	Seychelles
790	94	SL	Sierra Leone
792	95	SK	Sikkim
795	95	SN	Singapore
800	94	SO	Somalia
801	94	SF	South Africa
818	94	RH	Southern Rhodesia
819	95	YS	Southern Yemen
821	94	WA	Namibia
825	95	UR	Soviet Union
830	93	SP	Spain
831	94	SS	Spanish Sahara
835	94	SU	Sudan
840	92	NS	Surinam
845	93	SV	Svalbard
847	94	WZ	Swaziland
850	93	SW	Sweden
855	93	SZ	Switzerland
858	95	SY	Syria
865	94	TZ	Tanzania
875	95	TH	Thailand
883	94	TO	Togo

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884	97	TL	Tokelau Islands
886	97	TN	Tonga
887	92	TD	Trinidad and Tobago
888	95	TC	Trucial States United Arab Emirates
890	94	TS	Tunisia
905	95	TU	Turkey
910	94	UG	Uganda
922	94	EG	Egypt
923	95	SI	Israeli occupied Sinai
925	93	UK	United Kingdom of Great Britain and Northern Ireland
926	91	US	United States of America
927	94	UV	Upper Volta
930	92	UY	Uruguay
940	92	VE	Venezuela
944	95	VN	North Vietnam
945	95	VS	South Vietnam
965	95	YE	Yemen
970	93	YO	Yugoslavia
990	94	ZA	Zambia
0	0	AQ	American Soamoa
0	0	AT	Ashmore and Cartier Islands
0	0	AV	Anguilla
0	0	BB	Barbados
0	0	BC	Botswana
0	0	BQ	Navassa Island
0	0	BV	Bouvet Island
0	0	CJ	Cayman Islands
0	0	CK	Cocos (Keeling) Islands

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0	0	CR	Coral Sea Islands Territory
0	0	CW	Cook Islands
0	0	GI	Gibraltar
0	0	GJ	Grenada
0	0	GZ	Gaza Strip
0	0	HM	Heard Island and McDonald Islands
0	0	IU	Israel--Syria Demilitarized Zones
0	0	IW	Israel--Jordan Demilitarized Zones
0	0	JQ	Johnston Atoll
0	0	KT	Christmas Island (Indian Ocean)
0	0	LS	Liechtenstein
0	0	MC	Macao
0	0	ME	Spanish North Africa
0	0	MH	Montserrat
0	0	MN	Monaco
0	0	MV	Maldives
0	0	NF	Norfolk Island
0	0	NR	Nauru
0	0	PF	Paracel Islands
0	0	PG	Spratly Islands
0	0	PQ	Canal Zone
0	0	SM	San Marino
0	0	ST	St. Lucia
0	0	TK	Turks and Caicos Islands
0	0	VI	British Virgin Islands
0	0	VT	Vatican City
0	0	WB	Germany, Berlin
0	0	WF	Wallis and Futuna
0	0	WS	Western Samoa

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