The original documents are located in Box 11, folder "Federal Emergency Planning (2)" of the Ron Nessen Papers at the Gerald R. Ford Presidential Library.

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TM 258

Resource Data Catalog

February 1976

General Services Administration
Federal Preparedness Agency

GSA/FPA/MCL TM-258
February 1976

RESOURCE DATA CATALOG

Mathematics and Computation Laboratory
Information Analysis Division

General Services Administration
Federal Preparedness Agency

PREFACE

The Federal Preparedness Agency (FPA) resource data base includes detailed records on virtually all resources important to the defense of, or—in the event of enemy attack—the survival and recovery of, the United States. It is the result of a cooperative effort of the FPA and the federal agencies having delegated emergency preparedness responsibilities The FPA resource data base was established in an effort to provide the most accurate information possible to support the emergency information needs of the federal agencies and to assist the Director, FPA, in his roles of Presidential advisor and coordinator of non-military defense.

Federal agencies and departments having significant emergency responsibilities make important contributions to the resource data base. The data base has been developed either by drawing directly from existing agency statistical programs or by promoting modifications and extensions to existing data collection programs. As a matter of policy, FPA has not undertaken major data collection programs itself. Federal agencies assign representatives to the Federal Preparedness Agency to participate in the development of a system to meet national emergency information needs. These representatives play a key role by assisting in (1) the determination of data requirements, (2) the coordination of essential modifications and extensions to agency statistical collection programs where necessary, and (3) the assimilation of new or updated information into the resource data base. These representatives also play a major role in studies involving use of the data base and in planning its applications to emergency preparedness activities.

Mr. Wallace B. Oliver of the Federal Preparedness Agency, Economic Preparedness Division, was primarily responsible for the format and content of this publication, including previous revisions formerly published as ISG-101. However, the development, maintenance, updating, and improvement of the resource data base and resource data catalog are now the responsibility of the Information Analysis Division (EDMI) within the Mathematics and Computation Laboratory of FPA. Mr. John A. Bartyczak is responsible for coordinating data base activities. Inquiries concerning this catalog or the resource data base should be addressed to Mr. Bartyczak at the

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INTRODUCTION

The Federal Preparedness Agency (FPA), General Services Administration has developed and is continuing to develop a variety of management information systems designed to meet the needs of (1) FPA, (2) federal agencies with delegated emergency preparedness responsibilities, and (3) the executive office. The implementation of these systems has dictated the acquisition of a substantial and comprehensive body of data. These data include (but are not limited to):

- Economic time series such as price and production indices and employment and earnings statistics
- Factors for translating relatively general statements of alternative national objectives into detailed statements of requirements
- Interindustry tables showing the relationships among economic sectors
- Manpower requirements factors
- Weapons effects and meteorological data
- Information on individual U.S. resources

This catalog is concerned with the resource data base, which is that portion of the FPA data bank which supports damage assessment and vulnerability analysis. This body of data has been developed by the Federal Preparedness Agency with the cooperation of the various federal agencies. In terms of scope, it is one of the most comprehensive data banks on U.S. resources ever compiled. A brief description of the coverage and contents of each component of the resource data base is provided in this catalog. This Resource Data Catalog is organized by subject matter with separate descriptions for each unique body of resource data. The purpose of this introductory section of the catalog is to identify (1) the nature of resource data (2) the organization and scope of the resource data base, (3) maintenance of the resource data base, (4) important auxiliary data files, (5) the computer models used in damage assessment and vulnerability analysis, (6) limitations on the use of certain segments of the data base, and (7) the format used in the catalog for individual file descriptions.

I. NATURE OF THE RESOURCE DATA BASE

In establishing a data base to support the damage assessment and vulnerability analysis information mission of FPA, the basic objective has been to include

information on all important U.S. resources—both economic and demographic. To a large extent, this objective has been met. The data base does provide a basis for meaningful vulnerability and damage assessment studies, although there are areas in which considerable improvement is required. Since this catalog was last completely reissued (January 1973), considerable improvement has been made in the coverage of government, agriculture, and manufacturing resources. Effort is currently focused on the more intensive use of samples, size cutoffs, and data aggregates in order to improve data response. Considerable effort along this line has already gone into the development of a Ready Sampler program for the purpose of speeding the availability of information with little sacrifice in reliability. The use of data aggregates by counties and other similar areas is being investigated as an attrative approach to meeting emergency information needs.

Any discussion of the nature of the resource data base should begin with a description of the basic data base unit.

A. Resource Record

The smallest component of the resource data base is the *resource record*. Over the years as new data have been added and new arrangements of existing data have been requested, the number of resource records in the data base has increased substantially. In the data catalog dated May 1963, the number of resource records was estimated at 700,000. With the acquisition of small manufacturing, wholesale and retail trade, and selected service industry records from the 1963 Economic Censuses, the number of resource records in the operational data base now stands at approximately 1.7 million. If the requirement to keep two versions of each economic Census file (See Section VI B 3) is taken into consideration, the number of resource records approaches 4 million.

A resource record describes a specific activity of resource concentration that is deemed important enough to consider in evaluating the effects of a nuclear attack of the U.S. Each record contains, for purposes of damage assessment, precise location in terms of geographic coordinates and a measure of vulnerability to nuclear phenomena. For purposes of organization, each record contains a classification field which is used to structure or sequence records within a file. The classification field contains codes which identify the geographic area in which the resource is located and, in some cases, the function the resource serves. Through these codes, geographic and functional summaries are made possible. Most records also contain name and address information and some measure of resource significance, such as

population counts, number of employees, sales volumes, or capacity. A detailed description of the components of a data record can be found in the Ready User's Guide[1] which is available from MCL on request.

B. Resource Point

Stated in its simplest terms, a resource point is a location at which an activity or activities take place or resources are considered to be located for damage assessment purposes. The resource point or location may be described by one or more records. In order to avoid confusion in the use of the terms resource record and resource point, the following clarification is offered.

Each resource record is tied to a specific location (point) through geographic coordinates. Each activity in the data base tied to a specific location is described by a separate record. Frequently, the same basic data are sequenced in a variety of ways to assist the analyst, and each such sequence of the data results in a different data array or what is referred to as a *resource category*. As a result, several records can be associated with a specific location (or in our vocabulary—resource point). In other cases, several *activities* may take place at the same location or point. For example, the identification of individual product shipments (as contrasted with total establishment shipments) often requires multiple records, for the same manufacturing plant since many manufacturing establishments ship a variety of products. The requirement to keep two versions of each economic Census file, as discussed in section VI B 3 also adds additional records but not resource points to the data bank.

As indicated above, resource activities or concentrations are located at geographic locations which are referred to as resource points. From the discussion and examples it should be apparent that the resource data base contains more records than unique geographic points. In fact, the overall ratio of records to points is estimated to exceed 10 to 1. The computer requirements for damage assessment computations are related primarily to the number of resource points, not records. Therefore, the use of multiple records for analytical or other purposes has only a limited effect on computer requirements for the actual assessment. The major impact in having multiple records is on editing results for hardcopy output or display. Computer requirements for editing are closely related to the number of records involved.

[1] Ready I Data Preparation–User's Guide, TR-52, Mathematics and Computation Laboratory, March 1965.

II. ORGANIZATION AND SCOPE OF THE RESOURCE DATA BASE

The resource data base has been organized into functional groupings. These groupings or data base segments reflect data source as well as functional area. In the following sections of this catalog the content and coverage of each segment is described briefly. Segment of grouping as used here means a unique collection of data records describing a particular resouce area. To meet analytical needs, a grouping may be organized into one or more different arrays or sequences. While different arrays of the same data grouping may be maintained in the resource data base, only a single description is provided in the catalog.

Each data array is designated as a separate resource category. In the classification structure used for the resource data base, the first readily identifiable subdivision is the category. At present there are more than 100 separate categories in the active U.S. data base. This catalog provides descriptions for the 90 or so functional data groupings from which the individual categories are derived. For purposes of computer identification, each category is assigned a three position alphabetic code which suggests to the extent possible the subject matter covered by the category. The first position of the code identifies the major interest area served by the category. The major interest areas of the resource data base and their codes are

Code	Major Interest Area
A	Agriculture and Land Resources
C	Communications Facilities
D	Defense Installations
E	Energy and Power Facilities
F	Financial Institutions
G	Government Facilities
H	Health Services
J	Special Purpose, Interim Files
L	Manpower
M	Manufacturing Facilities
N	Miscellaneous Activities
P	Population and Housing Resources
R	Retail Trade and Service Industries
T	Transportation Facilities
W	Wholesale Trade and Storage Facilities

In assigning the second and third positions of the category code, an attempt has been made to suggest the identity of the specific subject area. Because the most logical alphabetic character combinations were not always available, success was not always achieved. While at least partial level of success was reached with the designation of the army installations category as DIA–D (defense), I (installations) and A (army)–success was considerably more limited in the case of Category GFB "GSA Assigned Field Office Space by Federal Agency". In the latter case, G represents government and F suggests facilities, but B was assigned arbitrarily since the most obvious code, "F" for field, had already been used in this position. (i.e., Category GFF "Selected Federal Field Facilities")

III. DEVELOPMENT AND MAINTENANCE OF THE RESOURCE DATA BASE

As noted earlier, the resource data base is the result of a cooperative effort by FPA and the federal agencies. A continual review is made of the adequacy of the current data base, and every effort is made within agency and FPA staff limitations to maintain data relevant to FPA and agency emergency information needs. This effort involves (1) the introduction of new data; (2) the updating of existing data; and (3) the deletion of obsolete data.

A. Master File

The operational resource data base has been designated as the Ready Master File. As individual categories are developed, updated, or dropped, the master file is updated accordingly. At present the master file is maintained on tape. However, consideration is being given to the use of mass storage devices for at least portions of the file.

B. Emergency Package

In order to ensure a rapid response in the case of a national emergency, those categories that would be run during an emergency have been placed together with programs and operating instructions in an "Emergency Package." All resource categories are not included in the emergency package. Indeed, only the most critical resources to post attack decision making are included in the emergency package. The objective in preparing the emergency package has been to develop a streamlined package that can be processed quickly and efficiently while meeting policy making information needs in case the U.S. should be attacked. Where feasible, advantage is taken of sampling procedures to develop a compact package. Categories of marginal value in early post attack period decision making are not included at all. As a

result, the emergency package contains less than 300,000 records in 70 categories compared to the 1,700,000 records and 130 categories in the complete resource file. The Resource Data Catalog as a reference to the complete resource data base, contains descriptions of all files. Appropriate notations are included with each file description to indicate category inclusion in or exclusion from the emergency package.

IV. AUXILIARY DATA FILES

It is important to note the existence of four data files which are related to, but not considered part of, the resource data base. They are:

- Selected 1970 Decennial Census Data
- The Master Community Coordinate File (MCCF)
- The County Limits File
- The Standard Location Area Measurement (SLAM) File.

A. Housing and Population Data

Arrangements for the acquisition of data from the 1970 decennial Census were made by the Defense Civilian Preparedness Agency (DCPA). To meet their needs, DCPA made arrangements to obtain copies of the Bureau of the Census first count tapes. These tapes, which provided tallies of all the statistical information collected from everyone during the Census, were in block group and enumeration district detail. At FPA's request, DCPA aggregated the data in which FPA expressed an interest to the tract and pseudo tract level reducing the number of records from over 235,000 to around 65,000. The following decennial Census data in addition to total population and housing were made available to FPA by DCPA.

- Population by Age and Sex
- Housing by vacancy/occupancy status
- Housing by type of structure
- Housing - number rooms in units
- Persons per room
- Housing units with and without basements
- Number housing units at address
- Housing units with kitchen facilities
- Housing unit value

Upon request any or all of these data can be included in damage assessment or vulnerability analyses.

B. Master Community Coordinate File (MCCF)

With just one or two exceptions, federal agencies do not require precise resource location information and do not carry geographic coordinates in their statistical or administrative data files. Such information is, of course, required for damage assessment purposes. Thus, one of the major tasks in assimilating agency files into the resource data base is the determination of geographic coordinates. Manual procedures involving map work are costly and are avoided unless the relative importance of the individual resources justifies the investment (e.g., large manufacturing plants). The MCCF is the vehicle used to avoid high costs in obtaining geographic coordinates. The coordinates obtained through the MCCF are those for the post office ZIP code area in which the resource is located. Although not precise, they are generally acceptable. The MCCF assigns geographic coordinates to resources on the basis of mail address. Each city or place having a first, second or third class post office and each ZIP code area is covered in the MCCF.

C. County Limits File

As a gross check on the validity of geographic coordinates in the resource data base, a determination has been made of the limits of each county in the U.S. in terms of geographic coordinates. These data have been incorporated into a special file for use with a program called COORCHECK. This program provides a gross check on coordinate accuracy by determining whether or not the coordinates assigned to a resource at least lie within the boundaries of the county in which the resource is located. A second file has been created by digitalizing the boundaries of each county in the U.S. The latter file can be used for computer mapping as well as coordinate checking.

D. Area Measurement File

In order to provide an improved basis for damage assessment and vulnerability analyses, DCPA and FPA supplemented the area measurement program of the Bureau of the Census by independently measuring tract, ward and enumeration division grouping areas so that all standard location areas would be covered. As a result of this effort, the SLAM (Standard Location Area Measurement) file was created containing the land and water area in tenths of square miles for each standard location area.[2] This file provides a basis for computing resource

[2] For a detailed description of standard location areas (SLA's), see the National Location Code published jointly by DCPA (formerly OCD) and FPA (formerly OEP).

density for small areas and can be used in improving analytical techniques. These data have been added to Category PPH "Population and Housing". They provide a basis for identifying percentage of the land subjected to various levels of overpressure and fallout intensities as well as computing resource density information.

V. EMERGENCY MANAGEMENT INFORMATION SYSTEMS

As mentioned earlier, the resource data base was established to support the damage assessment information mission of FPA. Management information systems have been developed for estimating the effects associated with a single attack (whether it be for a case study, an exercise, or overt enemy action) and for planning purposes based on a wide range of enemy attack objectives, capabilities, and attack conditions. The damage assessment information system, currently used by FPA to estimate the effects of a single delivered attack, is known as Ready. In developing Ready, the Mathematics and Computation Laboratory (MCL) incorporated all the experience gained over the past decade with the Jumbo, Streak, Dart, Survival, and Manpower damage assessment information systems. Ready is a completely new system that replaces all of the above mentioned systems. Where Jumbo, Streak, etc., were programmed for the UNIVAC 1103AS computer, Ready was designed to take advantage of the capabilities of the UNIVAC 1108 computer. A transattack management information system entitled React was designed to operate through remote terminals.

The damage assessment management information system used to provide a realistic planning basis by considering the full range of enemy objectives, capabilities, and possible successes is known as Risk. The following paragraphs provide a short description of the three operational systems noted above and their applications.

A. Ready

The Ready damage assessment system, developed by MCL is used, jointly with the Defense Civilian Preparedness Agency, to estimate damage and casualties resulting from nuclear attack. It has been used in support of civil defense and military exercises as well as intensive studies of the nuclear threat not connected with exercises. Ready would be used in the case of actual attack. In addition to resource data, system inputs are upper wind forecasts, actual weapon ground zeros (AGZ's) or detonation points, weapon yields, fission-fusion ratios, height of burst and weapons effects data.

For facilities, Ready provides estimates of blast damage (including thermal effects) and radiation intensity rates. If desired, estimates can be provided of time-phased resource availability or accessibility. Damage is determined by relating facility vulnerability to nuclear phenomena. Facility status is estimated by relating weapons characteristics to the nuclear weapons effects tables prepared by the Defense Intelligence Agency (DIA) Facility accessibility or availability is computed by relating initial H+1 intensity rates to normal decay rates and facility fallout protection. Because experience and testing have been limited, it is impossible to predict weapons effects with complete confidence. As a result, degrees of damage to a facility are shown in weapon effects tables in terms of probabilities. For example, given a certain level of overpressure (as determined by weapon size and distance from ground zero) and the vulnerability to nuclear phenomena (as determined by the structural characteristics of the facility in question), one can determine from the appropriate DIA weapons effects table the probability that a particular level of damage—destroyed, severe, moderate or light—will be sustained. The user of the Ready system can select the probability level to be used in any particular run. If the user does not wish to specify the level, damage estimates will be provided at the 50 percent level of probability. Damage computed at this level should be interpreted as saying that there is at least a 50 percent chance that the facility experienced the indicated level of damage. A facility is assigned to the highest damage class consistent with either the user specified probability level or the 50 percent probability level as appropriate.[3]

Casualties in the Ready system are computed for direct (blast, thermal, initial radiation) and indirect (radioactive fallout) weapons effects. Computations are made using casualty curves developed by the Dikewood Corporation. Unlike facility damage, there is no option available for selecting the level of probability on which estimates are made. Populations at a resource point are distributed among casualty classes in accordance with the Dikewood curves, overpressure levels, blast protection, and fallout attenuation factors. The user has great flexibility in selecting which casualty classes to include in Ready output. Among the most commonly used classes are *Total Killed, Non-Fatal Injuries, and Not Affected.*

[3] E.G., If the weapons effects table gave the following result—light damage probability 95%, moderate damage probability 65%, severe damage probability 49%, destroyed probability 10%—Ready, using the 50 percent level of probability would assign a moderate damage rating.

A major feature of the Ready system is the variety of output options available. Where appropriate, results can be obtained showing the estimated damage status of individual facilities. Where data are capable of summary, results can be obtained in the form of summaries showing the amount of pre-attack activity estimated to have received various levels of damage. As noted above, facility damage and casualty estimates reflect both direct and indirect attack effects. In the treatment of downwind fallout danger in Ready, the threat from alpha and beta radiation is considered a relatively unimportant short-term post-nuclear attack threat and is ignored. Gamma radiation is treated as the more important hazard and is the only residual fallout hazard considered in Ready.

B. React

React has been designed and implemented to meet the requirement for quick response point or summary damage assessments during the transattack period. The associated computer programs are written for the UNIVAC 1100 operating system with queries made from remote terminals. Although React capitalizes on most of the assessment procedures incorporated into the Ready model, output is obtained much faster than from Ready by restricting inquiries to a relatively small subset of the main resource data base, and also by limiting the available output options. For example, the only casualty classes available in the summary output program are "unaffected", "injured by blast", and "blast killed." Similarly, facility damage is expressed in terms of destroyed or severe, moderate, light or no damage without the user having the option as in Ready of specifying the level of probability for assessing such effects. (In React, the level of probability for determining facility damage status is fixed at 50 percent.) React is designed to operate on a query response basis, serving the needs of individual analysts as well as providing information, in limited format options, of general interest.

C. Risk

In contrast to Ready, which deals with the actual or hypothetical single attack problem, the Risk Model is designed to consider the spectrum of likely enemy objectives and successes. The model was developed to provide an improved basis for pre-attack emergency planning and has no applicability to the post-attack problem. Risk accepts as input several attack options, each carrying an appropriate weight. Each option is entered in the form of a target list of selected ground zeros and is gamed to determine a delivered attack. Each option goes through the gaming phase of the analysis many times, the exact number of iterations being determined by the weight assigned to the option. In the gaming process, the variables of

weather, aiming accuracy, success of penetration, etc., are considered to produce a delivered attack. In order to give adequate representation to the several attack options and to the variables associated with the delivery of an actual attack, delivered attacks are generated using the *Monte Carlo* process; e.g., in the Hazard 69 study, 100 separate attacks were generated for each of 10 options. The 10 most representative attacks were then selected for each of the 10 options giving a total of 100 attacks to be used. Each selected attack is processed against that portion of the data base under consideration in order to determine, for either individual resources or classes of resources, the chances (or probabilities) of experiencing various ranges of damage or overpressure, radiation intensities, and levels of casualties. Point analyses can be provided for facilities giving the probabilities of various levels of peak blast overpressure, fallout radiation intensities, and effective radiation dose (ERD) as well as probabilities for the earliest arrival time for fallout. Summary output can be provided for both population and facilities. Population summaries show the probabilities associated with the various casualty classes by geographic area. Facility summaries show the level of probability associated with types of damage and the amount of pre-attack facility activity sustaining the various types of damage.

VI. DATA ACCESS LIMITATIONS

The resource data base contains data of almost every security classification. This has required the adoption of strict procedures to ensure that sensitive data are not compromised. Sensitive data fall into three broad categories–*proprietary*, *security*, and *agency restricted* information. Although certain data fall into two or all three categories, each category is discussed separately below.

A. Security Information

Responsibility for the designation of resource data as information requiring the special handling afforded security data and the designation of level of classification lies with the agency supplying the data. The levels of security classification in the resource data base and the procedures for handling classified information are consistent with Executive Order 11652 dated June 1972. In some instances, the level of classification assigned to the detail in a resource file may be lowered or removed altogether when sensitive detail is aggregated for analytical purposes.

B. Proprietary Information

Files classified as *proprietary* contain data on some sensitive aspect of individual company operations. It is necessary that appropriate steps be taken to guard these data against unauthorized disclosure. The designation of data as proprietary, as well as the designation of use restrictions, is the responsibility of the agency contributing the data to the resource data bank. It is generally understood that proprietary restrictions would be waived in case of actual nuclear attack. There are distinct gradations of restrictions on proprietary data which, in the main, reflect the basis on which the data were originally collected. They are:

1. Data Collected Under Voluntary Statistical Programs

A fairly substantial body of data are collected by the government on a voluntary basis. Resource data on petroleum storage and refining, solid fuel production, and food processing were collected on such a basis with the understanding that the data would be kept confidential. Access to these data is generally restricted to full-time federal employees with a demonstrated need for the data. During the collection of petroleum storage statistics, permission was obtained to make individual company data available to state personnel in connection with their emergency responsibilities, but this is the exception rather than the rule. Summary totals based on such proprietary data which do not reveal individual company operations may be released to Executive Reservists, consultants, and part-time employees on a need-to-know basis.

2. Data Collected Under the Defense Production Act

Important data on key production capacities are collected under the Defense Production Act which places reporting on a mandatory basis. Data collected by the Industry Evaluation Board, Bureau of Domestic Commerce, fall into this classification. Access to individual facility or company data is restricted to full-time federal employees with a need-to-know. As above, summary data can be made available to reservists, consultants, and part-time employees on a need-to-know basis as long as individual company operations are not revealed.

3. Bureau of the Census Data

The Bureau of the Census collects data under authority granted by Act of Congress (13 USC 181) which makes compliance mandatory and provides for the confidential treatment of data on individuals or individual company operations.

The law specifies that only sworn Census employees can have access to individual reports. Although individual records cannot be made available, a method has been developed to give protection against disclosures in summary statistics. Individual record statistics are *adjusted* or *bombarded* by the use of randomly selected multipliers. The maximum error induced by this *adjustment* to any individual record is plus or minus 25 percent, and the average induced error is 15 percent. Experience has shown that summary totals based on such statistics generally contain only small distortions. The absolute difference between a true summary total and one based on *adjusted* statistics depends upon the number and size of records included in the summary, but summaries based on five or more records are considered to have negligible induced errors. Two versions of each Economic Census File are maintained—a *randomized* version for pre-attack use (and described in the catalog) and a pure version for actual emergency use. All use of the Economic Census files is under the direct control of Census representatives working full time with FPA.

C. Defense Installation Data

Data on defense installations and activities are intended primarily for Department of Defense use, and access to individual data records as well as damage assessment results is under the control of the Department of Defense. Requests for access to the latter data should be directed to the Assistant Secretary of Defense (Installations and Logistics), Department of Defense.

VII. CATALOG DESCRIPTION FORMAT

A standard format has been followed in the individual file descriptions contained in this catalog. Each description has six principle sections, namely:

- Summary Identification
- Source and Coverage of Data
- Quantitative Data
- Categories Based on File
- Types of Computations Normally Prepared
- Agency Contact Regarding Data

These descriptions are intended to provide an overview of the source, nature, scope, and structure of each file in the resource data base. More comprehensive data base descriptions, are maintained within the MCL Information Analysis Division. These detailed descriptions are intended for the use of specialists involved in computer model design, computer programming, computer production management, and analytical analysis functions.

MAJOR ARMY INSTALLATIONS AND ASSOCIATED PERSONNEL

I. Summary Identification

Ready Category:	DIA
Currency:	June 1972
Resource Records:	210
Classification:	SECRET

II. Source and Coverage of Data

These data cover major Army installations in the Continental United States, Alaska, Hawaii, Puerto Rico, and the Panama Canal Zone. Data were extracted from the Command and Control Technical Center (CCTC) Joint Resource Assessment Data Base (JAD).

III. Quantitative Data

The following quantitative data are included in this file:

- Total Personnel
- Military Personnel on Duty
- Civilian Personnel Employed

IV. Categories Based on File

Partial extracts of this file are not normally made. Only one category, DIA, has been established. Category DIA is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses showing installation damage and casualties are prepared sequenced by geographic area (ZI or overseas), army command, uniform federal region, and state or county.

Summary Analyses showing damage and casualties are prepared for major geographic areas and army commands.

Special Analyses are not normally prepared using this file.

VI. Agency Contact Regarding Data

John H. Thomas
CCTC
Defense Communications Agency
Department of Defense

MAJOR AIR FORCE INSTALLATIONS AND ASSOCIATED PERSONNEL

I. Summary Identification

Ready Category:	DIF
Currency:	June 1972
Resource Points:	169
Classification:	SECRET

II. Source and Coverage of Data

These data cover the major Air Force installations located in the Continental United States, Alaska, Hawaii, Puerto Rico and the Panama Canal Zone. Data were extracted from the Command and Control Technical Center (CCTC) Joint Resource Assessment Data Base (JAD).

III. Quantitative Data

The following quantitative data are included in this file:

- Total Personnel
- Military Personnel on Duty
- Civilian Personnel Employed

IV. Categories Based on File

Partial extracts of this file are not normally made. Only one category, DIF, has been established. Category DIF is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses showing installation damage and casualties are prepared sequenced by geographic area (ZI or overseas), major command, uniform federal region, and state or county.

Summary Analyses showing damage and casualties are prepared for geographic areas and major Air Force commands.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

John H. Thomas
CCTC
Defense Communications Agency
Department of Defense

NAVY AND MARINE CORPS SHORE ACTIVITIES AND ASSOCIATED PERSONNEL

I. Summary Identification

Ready Category:	DIN
Currency:	June 30, 1972
Resource Records:	238
Classification:	SECRET

II. Source and Coverage of Data

This file covers major Naval and Marine Corps shore activities in the United States, Alaska, Hawaii, Puerto Rico, and the Panama Canal Zone. Data for this file were extracted from the Command and Control Technical Center (CCTC) Joint Resource Assessment Data Base (JAD).

III. Quantitative Data

The following quantitative data are included in this file:

- Total Personnel
- Military Personnel on Duty
- Civilian Employees

IV. Categories Based on File

Partial extracts of this file are not normally used. Only one category, DIN, has been established. Category DIN is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses showing installation damage and casualties are prepared sequenced by geographic area, command, uniform federal region, and state or county.

Summary Analyses providing damage and casualty estimates are prepared for geographic areas, commands, region and state or county.

VI. Agency Contact Regarding Data

John H. Thomas
CCTC
Defense Communications Agency
Department of Defense

NATIONAL GUARD AND ARMY RESERVE PERSONNEL BY PRIMARY AND ALTERNATE ASSEMBLY AREAS

I. Summary Identification

Ready Category:	DAR
Currency:	August 1968
Resource Records:	14,226
Classification:	CONFIDENTIAL

II. Source and Coverage of Data

This resource file covers all Army National Guard and U.S. Army Reserve units in the Continental United States, Alaska, Hawaii and Puerto Rico as of August 1968. Both primary and alternate, if any, assembly areas are shown for each unit. Data on each of 7,073 National Guard and 3,144 Reserve units were collected by the Engineer Strategic Studies Group from State Adjutant Generals and the various U.S. Army Reserve Commands.

III. Quantitative Data

Quantitative data are limited to:

- Authorized Unit Strength

IV. Categories Based on File

Complete File. Only one category, DAR, is based on this file. The category is sequenced by assembly area (primary or alternate), force (National Guard or Reserve), Army area, branch of service and uniform federal region, and state. Category DAR is not included in the emergency package.

Partial Files. None

V. Types of Computations Normally Prepared

Point Analyses while available on request are not normally prepared due to the volume of output. When prepared, they are sequenced by type of assembly area, force, Army area, branch of service, uniform federal region, and state.

Summary Analyses are normally prepared showing National Guard and Reserve casualties and survivors based on deployment to 1) primary assembly areas and 2) alternate assembly areas. Within type of assembly area, casualty and survivor totals are prepared by force (National Guard or Reserve) and Army area.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

OPERATIONAL MISSILE INSTALLATIONS IN THE U. S. AND CANADA

I. Summary Identification

Ready Category:	DIM
Currency:	June 1972
Resource Records:	1,375
Classification:	SECRET, not automatically downgraded

II. Source and Coverage of Data

The data in this file were extracted from data provided by the Command and Control Technical Center (CCTC) as contained in the CCTC Joint Resource Assessment Data Base (JAD).

The following installations are covered: fixed surface to surface and surface to air sites or complexes, headquarters, support facilities and launch control facilities. Installations in the United States and Canada are included.

III. Quantitative Data

None are included in the file.

IV. Categories Based on File

Only one category, DIM, is based on this file. There are no categories based on portions of the file provided by CCTC. Category DIM is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared. Data are sequenced by type of facility, geographic area, uniform federal region, and state or county.

Summary Analyses are normally prepared. Summaries are provided by type of installation, geographic area, uniform federal region, and state or county.

Special Analyses are not ordinarily prepared.

VI. Agency Contact Regarding Data

John H. Thomas
CCTC
Defense Communications Agency
Department of Defense

AIR FORCE MISSILE INSTALLATIONS

I. Summary Identification

Ready Category:	DMS
Currency:	January 1969
Resource Records:	1,225
Classification:	FOR OFFICIAL USE ONLY

II. Source and Coverage of Data

These data were extracted by personnel of the Mathematics and Computation Laboratory from the Air Force Installations Directory (Worldwide), AFM 87-3, dated January 31, 1969. All identified missile sites were extracted for this file which was established to provide coverage of missile installations at the unclassified level. Only unclassified data sources were used. As a result, the geographic coordinates used to locate the missile positions are only approximate.

III. Quantitative Data

None are included in this file.

IV. Categories Based on File

Partial extracts from this file are not normally prepared nor are different arrangements of the file normally used. Only one category, DMS, has been established. Category DMS has been prepared primarily for exercise use and is *not* included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses showing estimated site damage are prepared sequenced by major command, installation and geographic area (region-state-type-area-county).

Summary Analyses are prepared showing damage for all sites, major commands and installations.

Special Analyses are not ordinarily prepared.

VI. Agency Contact Regarding Data

John A. Bartyczak
Mathematics and Computation Laboratory
Federal Preparedness Agency

DEFENSE SUPPLY AGENCY PLANNED PRODUCERS

I. Summary Identification

Ready Categories:	DSM
	DSS
Currency:	March 1972
Resource Records:	6,522 DSM
	3,140 DSS
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers all producers of selected Defense Supply Agency (DSA) industrial preparedness planned (IPP) items plus oil refineries and producers of critical POL items identified by the Defense Fuel Supply Center (DFSC). Eventually DSA hopes to expand coverage to include all IPP items under DSA jurisdiction. Data were obtained on basis of plant surveys conducted by DFSC and Defense Contractor Administration Service Regions.

III. Quantitative Data

The following quantitative data are included for each IPP item:

- Total mobilization requirement
- Month after M Day maximum production reached
- Maximum monthly production
- Numeric Priority Code assigned by Defense Supply Center

IV. Categories Based on File

Two categories, DSM and DSS, are based on this file. Category DSM identifies producers and their capabilities by IPP item. Category DSS is a streamlined version of category DSM with only a single record for each producer. Category DSS does not cover individual IPP items. Category DSM is included in the emergency package; category DSS is not.

V. Types of Computations Normally Prepared

Point analyses are limited usually to category DSS. Producers are sequenced by federal stock number group, uniform federal region, state, type area, area, and county.

Summary analyses are prepared for both categories DSM and DSS. Results are summarized by federal stock number group in category DSS and federal stock number class and item in category DSM.

Special analyses are not normally prepared for either category.

VI. Agency Contact Regarding Data

Dale Perkins
Chief, Plans Branch
Military Plans Division
Defense Supply Agency

MILITARY BULK PETROLEUM STORAGE FACILITIES, WORLDWIDE

I. Summary Identification

Ready Category:	DSP
Currency:	June 1974
Resource Records:	1,879
Classification:	SECRET

II. Source and Coverage of Data

The Military Bulk Petroleum Storage file covering significant permanent petroleum product storage on Anglo-North America and the Foreign Free World, is based on information as contained in the CCTC Joint Resource Assessment Data Base (JAD).

III. Quantitative Data

- Product capacity in thousands of barrels

IV. Categories Based on File

Complete File. Only one category, DSP, is based on this file. It is organized to provide petroleum storage capacity by geographic area, product and type of storage. Category DSF is included in the emergency package.

Partial File. There is no partial file at this time. It is possible, however, that in some instances computations might be made on facilities in the Continental United States, rather than on all such facilities, worldwide.

V. Types of Computations Normally Prepared

Point Analyses showing estimated damage are sequenced by Continental United States and non-Continental United States, petroleum product, and type of tank storage.

Summary Analyses of estimated damage are prepared showing totals for geographic area, product and type of tank storage.

Special Analyses are not usually prepared.

VI. Agency Contact Regarding Data

John H. Thomas
CCTC
Defense Communications Agency
Department of Defense

DEFENSE SUPPLY AGENCY ACTIVITIES IN THE UNITED STATES

I. Summary Identification

Ready Category:	DSA
Currency:	March 1972
Resource Records:	125
Classification:	UNCLASSIFIED, FOR OFFICIAL USE ONLY

II. Source and Coverage of Data

These data cover headquarters, primary and secondary level field activities and distribution sites of concern to the Defense Supply Agency (DSA). All important facilities have been included by DSA. Approximately 97 percent of all stocks are accounted for by the facilities covered. Personnel data were extracted from DSA comptroller records. Materials data were extracted from the monthly RSC(M)200 report on DSA stocks.

III. Quantitative Data

The following personnel and stock data are included in this file:

- Total Personnel
- Military Personnel
- Civilian Personnel
- Medical Stocks
- Subsistence Stocks
- Clothing and Textile Stocks
- General Stocks
- Electronics Stocks
- Construction Equipment Stocks
- Industrial Stocks

IV. Categories Based on File

Complete File. Only one category, DSA, is based on this file. Category DSA is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses showing estimated damage and casualties are sequenced by county, United States or Canada, and DSA activity.

Summary Analyses are prepared showing damage and casualty totals for county, United States or Canada, and major DSA activity.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Dale Perkins
Chief, Plans Branch
Military Plans Division
Defense Supply Agency

DEFENSE COMMUNICATION FACILITIES (WORLDWIDE)

I. Summary Identification

Ready Category:	DCA
Currency:	1974
Resource Records:	10,396
Classification:	SECRET-NOFORN-CONTROLLED DISSEM. (Not releasable to civilian contractors)

II. Source and Coverage of Data

The data in this file were obtained from the DCA/DCS Communications File maintained for the Defense Communications Agency (DCA) by the Command and Control Technical Center (CCTC). The file covers facilities in the U.S., its outlying areas and the special interest areas of Canada, Greenland, Cuba and Bermuda. The file covers four types of telecommunications stations and installations as follows:

A. Radio Communications Facilities

- Point to Point Stations
- Relay Stations and Terminals
- Forward Scatter and Trospheric Stations
- Communication Satellite Ground Stations
- FM Broadcast Stations

B. Wire or Cable Facilities

- Submarine and Coaxial Cable
- Multiconductor Cable

C. Switching and Control Centers

- Analog Switching Center (Voice)
- Digital Switching Center (Teleprinter)
- Multipurpose Switching Center

D. Special Purpose DCA Facilities

III. Quantitative Data

No capacity or quantitative data are associated with the resources in this category.

IV. Categories Based on File

Complete File. Only one category, DCA, is based on this file. Category DCA, which covers the complete file, is sequenced by type of installation and geographic area. Within the U.S., the uniform federal region, state, type area, area and county code is used for geographic sequencing. For installations outside the U.S., sequence is by country and world division. A description of the country and world division geographic codes may be found in appendix "A" to chapter 2 (JADREP), part 4, volume II, JCS Pub 6. Category DCA is not included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses have not been prepared for this file.

Summary Analyses are normally prepared for the different types of facilities and installations and are made at national level, outside U.S., and by uniform federal regions and state within the U.S.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

John H. Thomas
CCIC
Defense Communications Agency
Department of Defense

FEDERAL GOVERNMENT FACILITIES
(Non Emergency)

I. Summary Identification

Ready Categories:	GFN/GFB/GFG/GFF
Currency:	December 31, 1973
Resource Records:	GFN-644, GFB-21,129
	GFG-9,849, GFF-9,605
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in these files cover national and field offices of federal agencies in the 50 states, District of Columbia, Guam, Puerto Rico, and the Virgin Islands. Data in category GFF, "Selected Federal Field Facilities" are primarily extracted from category GFB records with the various federal agencies reporting on important field office space not provided through GSA channels. GSA data are extracted from space assignment records maintained by the GSA/ADP Management Information System.

Beginning January 1, 1976, GSA Ready I categories GFN/GFB/GFG in the Federal Preparedness Agency (FPA), GSA resource data base will be updated by a new GSA computer program system (Resource Evaluation Program (REP)), and input will be delivered on tape each year as of June 30th and December 31st. GFF will be updated semi-annually by FPA as of June 30th and December 31st.

III. Quantitative Data

Quantitative data consist of space assigned to, and personnel employed by federal agencies in government and privately owned buildings as follows:

- Office Space
- Storage Space
- Special Purpose Space
- Total Space
- Number of Employees

IV. Categories Based on File

Complete File. The GSA developed data are delivered to FPA/MCL in three separate files on magnetic tape. Files consist of category GFN, National Government, Headquarters; category GFB, National Government, GSA Assigned Field Space by Agency; and category GFG, General Services Administration Assigned Space by Building.

The sequencing of data in category GFN is by federal agencies; category GFB is sequenced by federal agency/bureau; and category GFG (buildings) is sequenced by GSA region/state/county/city. Categories GFN and GFG are included in the emergency package; category GFB is not.

A partial file, category GFF, based on a portion of the GSA records in category GFB, is now available. Category GFF is restricted to field offices with eight or more employees or with floor space exceeding 2000 square feet. The GFB records retained for category GFF account for over 95 percent of GSA provided field office space and associated employment while numbering less than a third of the total number of records. Federal agencies with important field office space not provided by GSA supplement the GSA records periodically with data on such offices. Category GFF is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses may be requested for each category. Approximate number of pages per category are estimated as follows:

Category	Approximate No. of Pages
GFN	100, sequenced by agency
GFB	2500, by agency groups, dept., bureau
GFG	1300, GSA region, state, county
GFF	800, by agency groups, depts., bureaus

Summary Analyses are usually prepared for each category. Approximate number of pages per category is as follows:

Category	Approximate No. of Pages
GFN	25
GFB	140
GFG	35
GFF	140

Special Analyses are prepared for the Departments of Health, Education, and Welfare covering only their field offices. FPA/MCL has the capability of limiting output to only those facilities of concern to a particular agency.

VI. Agency Contact Regarding Data

Harold J. McCoy
GSA Emergency Damage Assessment Officer
General Services Administration

EMERGENCY OPERATING CENTERS

I. Summary Identification

Ready Category:	GEC
Currency:	1971
Resource Points:	3,610
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file has been established from data received from the Defense Civil Preparedness Agency on local emergency operating centers. The data were the final submission of a quarterly report received through the Defense Civil Preparedness Agency regions. Implementation of a new data collection plan is now underway from which this category is expected to be updated within CY 1976. Emergency Operating Centers that reside in non-federally-owned installations are contained in this resource category.

III. Quantitative Data

Six of the seven quantitative information fields are either status or capability codes. The first data field is a count of emergency staff assigned to the emergency operating centers.

- Emergency Operating Staff
- Primary Center Code (1,yes) (0,no)
- Secondary Center Code (1,yes) (0,no)
- Warning Capability Code (1,yes) (0,no)
- Radiological Monitoring Capability Code (1,yes) (0,no)
- Public Information Dissemination Capability Code (1,yes) (0,no)
- Communication Capability Code (1,yes) (0,no)

IV. Categories Based on File

No other complete or partial categories are based on this file. Category GEC is scheduled to be in the next revised emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by uniform federal region and states.

Summary Analyses are prepared and are normally summarized by states within uniform federal regions and by national totals.

VI. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

FEDERAL GOVERNMENT HEADQUARTERS EMERGENCY OPERATING FACILITIES

I. Summary Identification

Ready Category:	GER
Currency:	July 1, 1974
Resource Records:	226
Classification:	TOP SECRET

II. Source and Coverage of Data

This file provides data on National Headquarters of Federal Government agencies (including the Department of Defense), their emergency operating facilities (EOF's), specific facilities which support the Interagency Communications System, and any locations where president and key successors might be located. The data are obtained from individual agencies having emergency functions by the Federal Preparedness Agency, GSA, and are current as of July 1, 1974. The Western Virginia Operations Office of FPA has accepted responsibility for maintaining data currency.

Input data are sequenced by agency category, branch of government (Executive or Judicial), by agency or bureau, by agency function, and by geographic area.

III. Quantitative Data

The records contain no quantitative data entries.

IV. Categories Based on File

Only one category, GER, is based on this file. Category GER is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file and are sequenced by agency category, branch of government, organizational breakdown, and geographic area.

Summary Analyses are prepared for all facilities, and facilities by branch of government and organization.

VI. Agency Contact Regarding Data

Barbara Powell
Western Virginia Operations Office
Federal Preparedness Agency
General Services Administration

NASA RESEARCH, DEVELOPMENT, AND TEST FACILITIES AND SITES

I. Summary Identification

Ready Category:	GFA
Currency:	1966
Resource Records:	1,775
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

These data were prepared at NASA field installations and reviewed at NASA headquarters. This file provides data on the National Aeronautics and Space Administration (NASA) research, development, and test facilities throughout the United States. The coverage includes data on 22 NASA field installations, the Washington headquarters building complex, and selected NASA satellite facilities. This provides detailed data on individual research, development, test, administration, and facilities (buildings, shops, laboratories, test and launch operations, communications, and related support installations).

Data is basically organized by field or headquarters installation; however, functional arrangement is also provided.

III. Quantitative Data

The following quantitative data are provided:

- Building Floor Space (Expressed in tens of sq. ft.)
- Building Occupancy Population (Day)
- Building Occupancy Population (Night)

IV. Categories Based on File

Complete File. Only one category, GFA, is based on this file. Category GFA is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are usually prepared for each facility.

Summary Analyses are usually prepared at three levels: by similar functional facilities at each NASA center; by each center; and by national totals.

Requirements for special analyses have not been determined.

VI. Agency Contact Regarding Data

Arnold W. Postelle
Emergency Preparedness Officer
National Aeronautics and Space Administration

POST OFFICE FACILITIES

I. Summary Identification

Ready Categories:	GPF/GPG/GPV
Currency:	July 1968, February 1969
Resource Points:	3,143
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

Data for this file were prepared by the Post Office Department and cover all important central points of administration, Post Office Department controlled supply points, all postal dispatch units, primary and alternate postal concentration centers, central postal directories planned for handling mail of displaced persons in a nuclear attack situation, and the most important local post office installations.

III. Quantitative Data

Quantitative data are as follows:

- Interior building space, in thousands of square feet
- Postal employees assigned to the facility
- Total number of postal employees in the city. This data field is included only for main post offices

IV. Categories Based on File

The Post Office Department resource data are divided into the three Ready categories described below. All three categories are included in the emergency package.

GPF - POST OFFICE DEPARTMENT ADMINISTRATION AND SUPPLY

This category covers by state and within state, 123 major post office administrative and supply facilities as follows:

- Department Headquarters
- Regional Headquarters
- Inspection Service Division Headquarters
- Relocation Sites (Listed in alphabetical order according to the name of the regional headquarters city which each site serves)
- Postal Data Centers
- Internal Audit Area Offices
- Postal Supply Centers
- Accountable Paper Depositories
- Bureau of Engraving
- Stamped Envelope Agency
- Mail Bag Depositories
- Mail Equipment Shops
- Prison Industries (Atlanta, Ga., Federal Penitentiary)
- Censorship Station Post Offices

Facilities are arranged within the above groups by post office region and state. Within state facilities are sequenced by cities (in alphabetical order).

GPG - POST OFFICE DEPARTMENT TRANSPORTATION AND MAJOR MAIL HANDLING FACILITIES

This category covers 1,064 major transportation and mail handling facilities of the following types:

- Airport Mail Facilities
- Major Mail Handling Facilities
- Sectional Centers
- Postal Concentration Centers-Central Postal Directories (PCC - CPD)

Within each of the above types, except PCC - CPD's, facilities are arranged by postal region, state, and city (in alphabetic sort). In the case of PCC - CPD's, sequence is according to principal city they are designated to serve.

GPV - POST OFFICE FACILITIES

This category covers 1956 post office garages and local mail handling installations. Facilities are sequenced within type by postal region, state, and city

within state. Multiple mail handling installations within one city list first the main post office and in alphabetical order list the annexes, stations and branches.

V. Types of Computations Normally Prepared

Point analyses are normally prepared for each category described above. Output is sequenced by type of facility, postal region, state and city and require the approximate number of pages indicated below:

Category GPF - 10
Category GPG - 80
Category GPV - 100

Summary analyses are normally prepared for each category and provide totals by type of facility, postal regions and states and require the approximate number of pages indicated below:

Category GPF - 6
Category GPG - 25
Category GPV - 20

Special analyses are not normally made for the categories derived from these files.

VI. Agency Contact Regarding Data

James Griffin
U.S. Postal Services

TREASURY FIELD FACILITIES

I. Summary Identification

Ready Category:	GFT
Currency:	November 1974
Resource Records:	874
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers (1) selected Treasury field office space assigned by the General Services Administration (GSA); (2) selected Treasury office space not arranged for through GSA; and (3) the locations of field office emergency operating facilities (EOF's). Records for field offices in GSA assigned space were extracted from the Treasury field office portion of category GFB if the office had eight or more employees or more than two thousand square feet of space. Data on non-GSA Treasury space considered significant for post-attack operations plus data on established EOF's were provided by Treasury Bureau emergency planning officers.

III. Quantitative Data

Quantitative data regarding these facilities are not included in this file.

IV. Categories Based on File

Partial extracts of this file are not used. Only one category, GFT, has been established. Category GFT is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared sequenced by bureau and geographic area.

Summary Analyses providing damage estimates for the department as a whole and bureaus are available.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

John Zeher
Treasury Representative

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT EMERGENCY OPERATING CENTERS

I. Summary Identification

Ready Category:	GFH
Currency:	January 1971
Resource Records:	36
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers field office emergency operating centers (EOC's) of the Department of Housing and Urban Development (DHUD). Input data were provided by the DHUD representative to the Information Analysis Division of FPA/MCL.

III. Quantitative Data

No quantitative data are included in this file.

IV. Categories Based on File

Partial extracts of this file are not used. Only one category, GFH, has been established. Category GFH is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared sequenced by region and state.

Summary Analyses showing estimated damage to EOC's are prepared for the department on a national basis.

VI. Agency Contact Regarding Data

Tom Boazman
Department of Housing and Urban Development

FEDERAL FIELD EMERGENCY OPERATING FACILITIES

I. Summary Identification

Ready Category:	GEF
Currency:	February 1972
Resource Records:	Approximately 1,100
Classification:	SECRET

II. Source and Coverage of Data

This file covers the emergency operating facilities (EOF's) of Federal Agency Field Offices. Most of the data in this file were obtained in an early 1972 survey of federal agencies conducted by the Information Analysis Division, FPA/MCL.

Data are sequenced to permit summary groupings and subgroupings of the data for damage analysis and probability assessments. The classification code permits major groupings of the individual facilities by federal agency and geographic regions.

III. Quantitative Data

The records carry no quantitative data.

IV. Categories Based on File

Complete File. Only one category, GEF, is based on this file. Category GEF is included in the emergency package.

Partial File. No categories are partially based on this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file and require approximately 100 pages. Analyses are sequenced by branch, agency and bureau.

Summary Analyses are prepared by branch of government, department and bureau.

Special analyses are not prepared.

VI. Data Classification

Selected military and all Federal Bureau of Investigation field office emergency locations are classified SECRET. Although other federal agency and state government emergency facilities are unclassified, the complete file must be treated as SECRET.

VII. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

STATE CAPITOLS AND EMERGENCY OPERATING FACILITIES

I. Summary Identification

Ready Category:	GES
Currency:	December 31, 1970
Resource Records:	115
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers the primary and alternate emergency operating facilities (EOF's) of the states, the District of Columbia, Puerto Rico, the Virgin Islands and the Panama Canal Zone. In addition, coverage has been extended to state capitol buildings in order to represent the center of normal operations. EOF information was extracted from the DCPA (Defense Civilian Preparedness Agency) Emergency Operating Center Status Report. Data on state capitols were developed by FPA staff using a variety of sources.

III. Quantitative Data

No quantitative data are included for state capitol buildings.

The following data are included for the state EOF's:

- Normal staff in numbers of persons
- Emergency staff in numbers of persons

IV. Categories Based on File

Only one category, GES, is based on this file. Category GES includes the entire file and is sequenced by type facility (i.e., primary or alternate EOF or state capitol building), region and state. Category GES is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared and are sequenced by type facility, region and state.

Summary Analyses are prepared for types of facilities.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

LOCAL GOVERNMENT FACILITIES

I. Summary Identification

Ready Category:	GLF
Currency:	1972 (Federal)
	1972 (County & Local)
Resource Records:	3,930
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers government employment (federal, state and local) within U.S. counties (or their equivalents) in the 50 states and the District of Columbia. It also covers local government employment in selected municipalities. Within counties, employees are assumed to be centered at the county courthouse. Within municipalities, employees are assumed to be centered at city hall. Data were extracted by MCL personnel from 1972 Civil Service Commission reports and the 1972 Census of Governments.

III. Quantitative Data

The following data are included:

- Number Federal Employees
- Number Local Government Employees
- Number County Employees
- Number State Employees
- Number Employees - Selected Municipalities
- Number Employees - Police Protection
- Number Employees - Fire Protection

IV. Categories Based on File

Complete File. Only Category GLF is based on this file. Sequencing is by type of record (county or municipality) and geographic area. Category GLF is included in the emergency package.

Partial File. No partial files have been developed and none are contemplated.

V. Types of Computations Normally Prepared

Point Analyses are prepared and are sequenced by type of record, uniform federal region, state, type area, area and county.

Summary Analyses are prepared for all counties and municipalities, uniform federal region, and state.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

STATE AND LOCAL WELFARE OFFICES

I. Summary Identification

Ready Category:	HNW
Currency:	1960
Resource Records:	4,090
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file provides data on all state and local welfare offices and represents material assembled by the Department of Health, Education and Welfare. These data show the offices through which the DHEW Emergency Welfare Service will carry out its emergency responsibilities.

All state and local welfare offices in the United States are covered. The data for New York State are in considerably more detail than for other states and includes all welfare institutions, such as homes for the blind, aged and infirm, orphanages, centers for children, dental and eye clinics, etc.

More current data (1975) are being collected by DHEW.

III. Quantitative Data

The following quantitative data are included:

- Total Employment
- Number of Employees in Social Welfare Positions

IV. Categories Based on File

One category, HNW, is based on this file. HNW covers the entire file and is included in the emergency package.

V. Types of Computations Normally Prepared

Point Printouts are prepared and sequenced by region, state, type of agency, area, and county.

Summary Analyses are prepared for total U.S., uniform federal region, state, and local agencies.

VI. Agency Contact Regarding Data

George E. Russell
Division of Emergency Coordination/OS
Department of Health, Education and Welfare

PUBLIC EMPLOYMENT OFFICES

I. Summary Identification

Ready Category:	LEO
Currency:	December 1974
Resource Records:	2,455
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This category provides information on all permanent Local Employment Security Offices in the U.S. Employment Service System. These data were extracted from the Directory of Local Employment Security Offices dated December 1974. The physical location of each office and the type of function it performs—unemployment insurance, farm, employment service, and/or youth opportunity corp—is included in the information given for each point.

III. Quantitative Data

This file contains no quantitative data.

IV. Categories Based on File

Complete File. Only Category LEO is based on this file. Category LEO is included in the emergency package.

Partial File. No categories are based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by uniform federal region and by state

Summary Analyses prepared showing number of offices by damage class are by U.S., uniform federal region and state.

Special Analyses. None

VI. Agency Contact Regarding Data

Leonard L. Bednar
Defense Coordinator's Office
Department of Labor

INTERNATIONAL COMMUNICATIONS

I. Summary Identification

Ready Category:	CIT
Currency:	1960
Resource Records:	92
Classification:	SECRET

II. Source and Coverage of Data

The data in this file cover 92 International Communications System terminal locations in the United States. The resources covered in this file include cable landings or control stations, transmitter locations, receiver control sites, and transmitter/receiver control sites. The data were furnished by the Office of Telecommunications Policy as prepared by the individual operating companies. Information supplied is the name of the company which operates the facility and the type of operation of the facility.

III. Quantitative Data

No capacity or quantitative data are associated with the resources included in this category.

IV. Categories Based on File

Complete File. Only one category, CIT, is based on this file. Category CIT is sequenced geographically and is included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require 16 pages to list, and are sequenced by uniform federal region and state.

Summary Analyses are not prepared.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

R. W. Seddon
FCC

STANDARD (AM) RADIO BROADCAST STATIONS

I. Summary Identification

Ready Category:	CRA
Currency:	March 1967
Resource Records:	4,160
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file cover all non-government standard broadcast stations as of March 1967, licensed by the Federal Communications Commission to operate in the 50 states, District of Columbia, Puerto Rico, Guam, and the Virgin Islands. The 4,160 AM stations covered by this file are assigned a carrier frequency beginning at 540 kilohertz and, in successive steps of 10 kilohertz, extend to include 1600 kilohertz. The data for this category were prepared by the Emergency Communications Division of the Federal Communications Commission from records maintained by the commission. Two lines are shown for each broadcast station. The first line gives the name of the city and state in which the station is licensed. Four numeric fields of information follow the state abbreviation. They are: (1) the post office ZIP code for the station; (2) the frequency in kilohertz on which the station operates; (3) daytime power in watts; (4) nighttime power (if any) in watts. The second line contains the classification, serial number, coordinates, and structural facility code fields.

III. Quantitative Data

No capacity or quantitative data are associated with the resources in this category.

IV. Categories Based on File

Complete File. Only one category, CRA, is based on this file. Category CRA, which covers the complete file, is sequenced geographically. Category CRA is not included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require 331 pages to list, and are sequenced by uniform federal region and state.

Summary Analyses are prepared to total as follows: U.S.; uniform federal regions; and states. Ten pages are required for the printout.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

R. W. Seddon
FCC

FM RADIO BROADCAST STATIONS

I. Summary Identification

Ready Category	CRF
Currency:	August 1972
Resource Records:	1,519
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file covers all non-government broadcast stations as of August 1972, using frequency modulation and having 5 kilowatts or more of power. The FM band covers the frequency range of 88-108 megahertz. The data for this category was prepared by the Emergency Communications Division of the Federal Communications Commission from records maintained by the commission. Two lines are shown for each station. The first line gives the name of the city and state in which the station is licensed, the station call letters, and the name of the stations license. The second line contains the classification, serial number, coordinate, and structural facility code fields.

III. Quantitative Data

No capacity or quantitative data are associated with the resources included in this category.

IV. Categories Based on File

Complete File. Only one category, CRF, is based on this file. Category CRF, which covers the complete file, is sequenced geographically. Category CRF is not included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require 147 pages to list, and are sequenced by uniform federal region and state.

Summary Analyses are prepared for totals as follows: U.S.; uniform federal regions; and states. Ten pages are required for the printout.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

R. W. Seddon
FCC

TV BROADCAST STATIONS

I. Summary Identification

Ready Category:	CRT
Currency:	August 1972
Resource Records:	1,039
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file covers all operating TV broadcast stations as of August 1972. It totals 1,039 non-government stations in the television band transmitting simultaneous visual and aural signals intended to be received by the general public. The frequencies assigned to television broadcast over portions of the band from 54 to 890 megahertz. The data for this category were prepared by the Emergency Communications Commission from records maintained by the commission. Information supplied for each station is the name of the city and state in which the station is licensed, the frequency by channel number, the station call letters and the name of the station's license. The second line of the listing contains the classification, serial number, coordinates, and structural facility code fields.

III. Quantitative Data

No capacity or quantitative data are associated with the resources included in this category.

IV. Categories Based on File

Complete File. Only one category, CRT, is based on this file. Category CRT, which covers the complete file, is sequenced geographically. Category CRT is not included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require 61 pages to list, and are sequenced by uniform federal region and state.

Summary Analyses are prepared for totals as follows: U.S.; uniform federal regions; and states. Nine pages are required for the printout.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

R. W. Seddon
FCC

AUXILIARY BROADCAST SERVICES

I. Summary Identification

Ready Category:	CRB
Currency:	February 1966
Resource Records:	2,822
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file cover 2,822 remote pickup broadcast stations of the Auxiliary Broadcast Services and are related to associated broadcasting stations including the stations participating in the Emergency Broadcasting System. Stations in this category have frequency authorization between 1600 and 460,000 kilohertz The data for this category were prepared by the Emergency Communications Division of the Federal Communications Commission from records maintained by the commission. Information supplied for each station is the name of the city and state in which the station is licensed, the ZIP code, the frequency in kilohertz, the type of emission employed by the station with the authorized bandwidth in kilohertz, the power in kilowatts, and the license number of the station. The second line contains the classification, serial number, coordinates, and structural facility code fields.

III. Quantitative Data

No capacity or quantitative data are associated with the resources included in this category.

IV. Categories Based on File

Complete File. Only one category, CRB, is based on this file. Category CRB, which covers the complete file, is sequenced geographically. Category CRB is not included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file and require 227 pages to list.

Summary Analyses are normally prepared for totals as follows: U.S.; uniform federal regions; and states. Nine pages are required for the printout.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

R. W. Seddon
FCC

MARITIME COMPONENT MANUFACTURING

I. Summary Identification

Ready Category:	MPM
Currency:	1971
Resource Points:	1,914
Classification:	FOR OFFICIAL USE ONLY

II. Source and Coverage of Data

This category contains information relative to individual manufacturing establishments with standby contracts for producing essential components and spare parts required for the operation, repair and construction of merchant vessels. The data covers 1,950 components manufactured at 850 factories. The information is presented in terms of individual marine components and identifies manufacturing plants and their locations by city and UTM coordinates. These data were assembled by the Maritime Administration.

III. Quantitative Data

For each specific component manufactured at each factory, data are entered to show the number employed in actual production of that component.

IV. Categories Based on File

Complete File. One category, MPM, is based on this file. Category MPM is not included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared and are sequenced by major component, subdivisions of major components, and variations within subdivisions.

Summary Analyses are prepared by subdivisions within major component classes and variations within subdivisions.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

Harold Wood
Maritime Administration
Department of Commerce

SHIP SPARE PARTS FOR EMERGENCY USE

I. Summary Identification

Ready Category:	WSR
Currency:	1971
Resource Records:	407
Classification:	FOR OFFICIAL USE ONLY

II. Source and Coverage of Data

This category contains information relative to ship spare parts available for immediate use following an attack. The 407 major components owned by 140 private operators are stored in 95 locations. The components will be used without regard to ownership in repairing the merchant fleet on an assigned priority basis. Included in the data are the storage locations by city and UTM Coordinates. This category was assembled by the Maritime Administration.

III. Quantitative Data

There are no data fields used for quantitative data.

IV. Categories Based on File

Complete File. One category, WSR, is based on this file. Category WSR is included in the emergency package.

Partial File. No categories are based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses on repair components require about 32 pages, and are sequenced by major component, component subdivision, and variations within subcomponents.

Neither Summary or Special Analyses are normally prepared.

VI. Agency Contact Regarding Data

Harold Wood
Maritime Administration
Department of Commerce

REPAIR AND SHIPBUILDING YARDS

I. Summary Identification

Ready Category:	TSR
Currency:	1973
Resource Points:	106
Classification:	FOR OFFICIAL USE ONLY

II. Source and Coverage of Data

This category covers 82 repair and 24 shipbuilding yards in 44 port areas. These yards perform major topside, drydock, and shipbuilding work and have facilities capable of building large merchant ships. Information in this category covers type of yard, location by port and UTM coordinates, employment, number of floating drydocks, graving docks, berths, shipways and vulnerability characteristics of each facility. These data were assembled by the Maritime Administration.

III. Quantitative Data

Five data fields are used as follows:

- Number of employees
- Number of floating drydocks 300 feet or more in length
- Number of graving drydocks 300 feet or more in length
- Number of berths for large vessels
- Number of shipways accommodating ships of about 475 ft. length and 68 ft. beam.

IV. Categories Based on File

Complete File. One category, TSR, is based on this file. Category TSR is included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared, require about 14 pages, and are sequenced by major geographic area and type of facility.

Neither Summary or Special Analyses are normally prepared.

VI. Agency Contact Regarding Data

Harold Wood
Maritime Administration
Department of Commerce

RESERVE FLEET (MARITIME)

I. Summary Identification

Ready Category:	TFR
Currency:	1972
Resource Records:	70
Classification:	UNCLASSIFIED, FOR OFFICIAL USE ONLY

II. Source and Coverage of Data

This category contains information relative to the number of ships by design type and tonnage in each of the three reserve fleet anchorages, and bridges between the anchorages and the open sea. Ships unsuitable for mobilization purposes or scheduled for scrappage are not included. Physical vulnerability characteristics for both ships and bridges are included. This category was developed by the Maritime Administration.

III. Quantitative Data

The following data are covered:

- Number of ships
- Total tonnage in 1000's of deadweight tons

The serial number contains a four-digit code to identify ship design type.

IV. Categories Based on File

Complete File. Only one category, TFR, is based on this file and is sequenced for Fleet Site. Category TFR is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by Reserve Fleet Site.

Neither Summary or Special Analyses are prepared.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

Harold Wood
Maritime Administration
Department of Commerce

PORT FACILITIES

I. Summary Identification

Ready Categories:	TPP/TPB
Currency:	1966
Resource Records:	3,961/3,596
Classification:	UNCLASSIFIED, FOR OFFICIAL USE ONLY

II. Source and Coverage of Data

This file covers 184 ports servicing ocean-going vessels. The berths along side the piers have a depth of at least 20 feet except for the Great Lakes and St. Lawrence River ports which have a depth of at least 18 feet. The berths will accommodate ships from 300 feet in length and can work from 3 to 5 hatches simultaneously. Ports covered include Atlantic, Gulf, Pacific, Great Lakes, St. Lawrence, Alaska, Hawaii, Guam, American Samoa, Canal Zone, Virgin Islands and Puerto Rico. Data for each port covers the location, by city and UTM coordinates, types of piers, terminal capacity, and physical vulnerability. These data were assembled by the Maritime Administration.

III. Quantitative Data

The following are covered:

- Number of piers
- Number of berths
- Daily transhipment capacity (at berth) in hundreds of long tons
- Number of transit sheds
- Transit shed floor space in thousands of square feet
- Number of bulk petroleum and other bulk liquid storage tanks
- Bulk petroleum storage capacity in thousands of barrels for storage tanks connected with a Bulk Petroleum Pier

- Other bulk liquid storage capacity in thousands of barrels for storage tanks connected with another Liquid Bulk Pier
- Bulk grain storage capacity in thousands of bushels for grain elevator storage facilities connected with a Bulk Grain Pier.

IV. Categories Based on File

Complete File. Two categories, TPP and TPB, are based on this file. TPP is by port location; TPB is sequenced by type pier or superstructure. Category TPP is included in the emergency package; category TPB is not.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared for category TPP and are sequenced by major geographic area, port location, and type pier or superstructure. None are prepared for category TPB.

Summary Analyses for TPP are aggregated by geographic area, port, and pier/superstructure type. Summaries for category TPB are prepared and are aggregated by U.S., major geographic area, type of pier or superstructure, and port location.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Harold Wood
Maritime Administration
Department of Commerce

EMERGENCY ANCHORAGES

I. Summary Identification

Ready Category:	TPE
Currency:	1971
Resource Points:	351
Classification:	CONFIDENTIAL

II. Source and Coverage of Data

The emergency anchorage file contains selected anchorages in dispersal areas along the Atlantic and Gulf coasts of the U.S. The information is presented by dispersal area, location of selected anchorages in each area, the number of available anchorages at each dispersal area, and the physical vulnerability characteristics of merchant ships that might be anchored in these areas. Coverage in this file presently extends to 48 dispersal areas containing 2,722 anchorages. These data were assembled by the Maritime Administration.

III. Quantitative Data

No quantitative data are contained in this file.

IV. Categories Based on File

Complete File. One category, TPE, is based on this file. Category TPE is included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared, require about 38 pages, and are sequenced by location of dispersal area.

Neither Summary or Special Analyses are normally prepared.

VI. Agency Contact Regarding Data

Harold Wood
Maritime Administration
Department of Commerce

INLAND WATERWAYS, TERMINALS, VESSELS, LOCKS, DAMS

I. Summary Identification

Ready Categories:	TWT/TWI
Currency:	1963-1966
Resource Points:	528 Terminals
	156 Locks/Dams
Classification:	TWT/UNCLASSIFIED
	TWI/CONF PROPRIETARY

II. Source and Coverage of Data

Basic data on terminals were derived from the Transportation Series published by the Corps of Engineers, United States Army. The data cover bulk petroleum, dry cargo terminal facilities and number of vessels in port within 17 inland waterways. Transportation Series No. 3 - Great Lakes, No. 4 - Mississippi River System, and No. 5 - Atlantic, Gulf and Pacific Coast (latest issue 1966) contain name of carriers, description of operations, and description of vessels. Data on navigation locks or lock and dam combinations of the inland waterways system were derived from Corps of Engineers sources by the Industry Evaluation Board and Interstate Commerce Commission staff.

III. Quantitative Data

Quantitative data are not provided for locks and dams. Data are provided for inland waterways terminals as follows:

- Linear feet of berthing
- Petroleum tank storage (1000 barrels)
- Number of tugs normally at terminal
- Number of self propelled vessels normally at terminal
- Number of dumb barges normally at terminal.

IV. Categories Based on File

Complete File. There are no categories based on entire file.

Partial File. Category TWT is based on the Terminals and Vessels portion of the file; category TWI represents the Locks and Dams portion. Category TWI is included in the emergency package; category TWT is not included.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file. TWT is sequenced by type of terminal and waterway identification. TWI is sequenced by type of facility, material used in facility construction, and facility location.

Summary Analyses are prepared, and are aggregated for total U.S., and for each of the sequences shown above for point analyses.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

B. R. McKenzie, Assistant to the Director
Bureau of Operations
Interstate Commerce Commission

PANAMA CANAL FACILITIES

I. Summary Identification

Ready Category:	VPF
Currency:	1962
Resource Points:	40
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file cover 40 key resources in the Panama Canal Zone other than the locks themselves. They were selected on the basis of map examination by the Maritime Administration representative in the summer of 1963. The resources covered in this file include power stations, petroleum storage facilities, pipelines, Galliard Cut, air fields and pumping stations. The data are considered to be accurate as of 1962 and cover the most vital and vulnerable resources in the Canal Zone. The canal locks are covered in category TDL "Deep Water Locks and Dams".

III. Quantitative Data

No capacity or quantitative data are associated with the resources included in this category.

IV. Categories Based on File

Complete File. Only one category, VPF, is based on this file. Category VPF which covers the complete file is sequenced geographically by Canal Zone district. Category VPF is not included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file and are sequenced by district. They require about five pages.

Summary Analyses are not prepared for this file. The types of resources covered are so diverse that summaries would not be meaningful.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

DEEP WATER LOCKS AND DAMS

I. Summary Identification

Ready Category:	TDL
Currency:	1972
Resource Points:	23
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

These data were prepared by OEP (now GSA/FPA) from lock and dam records previously included in port facilities (category TPP and TPB), inland waterways (category TWI) and panama canal facilities (category VPF) files. All locks (and their associated dams, if any) important to deep draft vessels are covered in this file. Prior to establishment of this file, coverage of these facilities was spread among several different files.

III. Quantitative Data

Quantitative data are not associated with the facility records contained in this file.

IV. Categories Based on File

Only one category, TDL, is based on this file. Category TDL is not included in the emergency package.

V. Types of Computations Normally Prepared

Both point and summary analyses are prepared for category TDL. Data are sequenced by and summaries are prepared for major waterways (i.e. Panama Canal, St. Lawrence Seaway, Welland Canal and Sault St. Marie Locks).

Special analyses are not prepared.

VI. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

KEY RAILROAD FACILITIES

I. Summary Identification

Ready Categories:	TRC/TRG/TRB/TRT/TRY/TRR
Currency:	1956/1959
Resource Points:	1,310/1,298/117/474/589/243
Classification:	CONFIDENTIAL/PROPRIETARY

II. Source and Coverage of Data

These data were prepared in 1956 by the Association of American Railroads utilizing information provided by member railroads and supplemented in 1959 by statistical data and records of the Interstate Commerce Commission. The data include information relative to selected key railroad bridges, tunnels, viaducts, causeways, classification yards, and car and locomotive repair shops.

III. Quantitative Data

Data for bridges, tunnels, causeways, or viaducts are as follows: (591 resource points)

- Length of facility in feet
- Average number of freight trains using facility per day
- Average number of passenger trains using facility per day
- Average total number of trains using facility per day
- Time required to rebuild the facility.

Data for railroad classification yards are as follows: (589 resource points)

- Freight car capacity of the yard
- Average number of freight cars handled daily
- Normal number of freight cars in the yard
- Normal number of line locomotives attached to the yard
- Normal number of switch engines attached to the yard.

Data for railroad repair shops are as follows: (243 resource points)

- Average number of new freight cars built weekly
- Average number of freight cars for which heavy repairs are made weekly
- Average number of freight cars for which light repairs are made weekly
- Average number of light or heavy freight car repair weekly
- Average number of locomotives repaired weekly
- Average number of repair shop employees.

IV. Categories Based on File

Complete File. Two categories, TRC and TRG, are based on the complete file. In category TRC, file sequence is by company, route, and geographic area; category TRG is sequenced by geographic area, company, and route. Category TRG and TRC are not included in the emergency package.

Partial File. The following categories are based on portions of this file: TRB–Barriers; TRT–Tunnels and Bridges; TRY–Classification Yards; TRR–Repair Shops. Categories TRB, TRT, TRY and TRR are not included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by uniform federal region, state, and area for category TRG. Categories TRC, TRR and TRY are sequenced by company number and route number. Category TRB is sequenced by barrier, company and route. Category TRT is sequenced by type of facility, company and route.

Summary Analyses are prepared for each category for levels noted above.

Special Analyses. None

VI. Agency Contact Regarding Data

B. R. McKenzie, Assistant to the Director
Bureau of Operations
Interstate Commerce Commission

RAILROAD ROLLING STOCK

I. Summary Identification

Ready Category:	TRS
Currency:	1961
Resource Records:	7,965
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

These data were prepared by Stanford Research Institute from data made available by the I.C.C. and the Association of American Railroads on the inventory of freight cars, passenger cars, line-haul locomotives, and switch locomotives. The file represents the normal inventories of RR rolling stock located at 7,965 points in the U.S. rail network.

III. Quantitative Data

The following data are covered:

- Number of freight cars
- Number of passenger cars
- Number of line-haul locomotives
- Number of switch locomotives.

IV. Categories Based on File

Complete File. Category TRS, Rolling Stock, is based on this file. Category TRS is not included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are not usually prepared.

Summary Analyses of 29 pages are normally prepared for the U.S., uniform federal regions, and states within regions.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

B. R. McKenzie, Assistant to the Director
Bureau of Operations
Interstate Commerce Commission

CIVILIAN AIRFIELDS

I. Summary Identification

Ready Categories:	TAR/TAG/TAC
Currency:	September 1970
Resource Points:	10,767/10,767/1,683
Classification:	TAR and TAG - UNCLASSIFIED TAC - SECRET

II. Source and Coverage of Data

This file contains records on the 10,024 civil airports and 743 separately located civil heliports operated in the United States and its outlying areas of jurisdiction or sovereignty during September 1970. Seaplane bases or heliports located at airfields are not included in this file. Information was extracted from a copy of the FAA Airport Master Record tape as of September 1970. Arrangements are being made to update these files from a more recent version of the FAA Airport Master Record tape.

III. Quantitative Data

The following data are included in each airport record and may be summarized if desired.

- Total number of based aircraft
- Paved runway
- Runway lights
- Beacons
- Fire and crash equipment
- Number of based multi-engine aircraft
- Fuel storage capacity of more than 5,000 gallons

In addition, the following data which are not suitable for summarization are included in the narrative description of each facility:

- Length longest runway
- Airfield elevation
- Public or private use

IV. Categories Based on File

Complete File. Categories TAR and TAG cover the complete file in two different sequences. TAR groups airports and heliports separately by runway length. TAG is sequenced primarily by state within uniform federal region. Categories TAR and TAG are not included in the emergency package.

Partial File. Category TAC "Critical Civil Airfields" is comprised of selected airport and heliport facilities. Basically, category TAC is limited to heliports and airports with paved runways of 5,000 feet or longer with the paved runway criteria waived in the case of Alaska. Airports designated for CRAF (Civil Reserve Air Fleet) or post-attack military use are appropriately identified. This identification requires category TAC to be classified SECRET. Category TAC is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file showing estimated damage and casualty levels. Point Analyses for category TAR are sequenced by type of facility (airport or heliport), size grouping, runway length grouping and state. Point Analyses for category TAC are also normally prepared sequenced by type of facility, state and city. Point Analyses are not normally prepared for category TAG.

Summary Analyses are normally prepared for all three categories, TAR, TAG and TAC. Category TAR summaries are provided for type of facility, size grouping, and runway length grouping. Summaries for TAG provide totals for the U.S., regions and states. Category TAC summaries are sequenced by type of facility and state.

Special Analyses are provided to support the FAA Safe Haven Airport plan through HAZARD studies and category TAC.

VI. Agency Contact Regarding Data

C. Jay Everhart
Department of Transportation
AAT-433
Federal Aviation Administration

MANNED CIVIL AVIATION FACILITIES

I. Summary Identification

Ready Category:	TAM
Currency:	August 1966
Resource Records:	1,274
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file cover manned civil aviation facilities in the United States (including Alaska, Hawaii and U.S. territories and possessions) as of August 1966. They were selected from computer data obtained from the Federal Aviation Agency's National Flight Data Center (NFDC). The resource records in this category cover the FAA's air route traffic control centers, flight service stations, airport traffic control towers, RAPCON's or RATCC's, regional offices, airport district engineering offices, flight inspection district offices and systems maintenance sectors.

III. Quantitative Data

Although quantitative data are not carried in the input record, that part of the record reserved for quantitative data is used to show the presence of the following type facilities at each location covered.

- Air Route Traffic Control Centers (Center)
- Flight Service Station (FSS)
- Airport Traffic Control Tower (Tower)
- RAPCON or RATCC
- Regional Office (R.O.)
- District Airport Engineering Office (DAE)
- Flight Inspection District Office (FIDO)
- Systems Maintenance Sector (SMS)

IV. Categories Based on File

Complete File. Only one category, TAM, is based on this file. Category TAM, which covers the complete list, is sequenced geographically. Category TAM is included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file and are sequenced by geographic area.

Summary Analyses prepared from this file require about 150 pages and are prepared for total U.S., region total, and state total.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

C. Jay Everhart
Department of Transportation
AAT-433
Federal Aviation Administration

AIR NAVIGATION AIDS

I. Summary Identification

Ready Category:	TAN
Currency:	February 1970
Resource Points:	1,876
Classification:	CONFIDENTIAL

II. Source and Coverage of Data

The data in this file cover the 1,876 air navigation aids and FAA maintained en route and terminal radar installations in the United States (including Alaska, Hawaii and U.S. territories and possesions) as of February 1970. They were selected from the computer data obtained from the Federal Aviation Agency's National Flight Data Center (NFDC). The resource points in this category cover low frequency radio ranges, radio beacons, omni-TACAN ranges, omniranges, and en route and terminal radar installations. All navigation aids and radar systems, whether federally or privately owned, are included if they are part of the National Airspace System.

III. Quantitative Data

Although quantitative data are not carried in the input record, that part of the resource record reserved for quantitative data is used to identify the presence of the following type aids at each location:

- LFR (Low Frequency Range)
- Radio Beacon
- VORTAC (Omni-TACAN Range)
- VOR (Omnirange)
- En Route Radar (Air Route Traffic Control radar installation)
- Terminal Radar (airport radar installation)

IV. Categories Based on File

Complete File. Only one category, TAN, is based on this file. Category TAN, which covers the complete file, is sequenced geographically by the uniform federal regional code. Category TAN is included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by uniform federal region and state.

Summary Analyses are by U.S. total, uniform federal region and state.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

C. Jay Everhart
Department of Transportation
AAT-433
Federal Aviation Administration

MAJOR CIVIL AIRCRAFT OVERHAUL BASES

I. Summary Identification

Ready Category:	TAO
Currency:	1970
Resource Records:	42
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers the major overhaul facilities of regularly scheduled U.S. airlines. Airline service facilities which are maintained at virtually all airfields served by carriers are not included. This file is limited to facilities normally capable of making major airframe repairs. Data were collected through the regional offices of the Federal Aviation Administration (FAA) by the Air Traffic Service. This file is currently being updated.

III. Quantitative Data

Quantitative data are contained on normal base operations as follows:

- Number aircraft which can be housed and worked on simultaneously

Note: Does not include parking apron space or represent extended effort conditions.

IV. Categories Based on File

Complete File. Only one category, TAO, is based on this file. Category TAO covers the entire file of 42 overhaul bases and is included in the emergency package.

Partial Files. None

V. Types of Computations Normally Prepared

Point Analyses are prepared sequenced by FAA region, state, area and county and require approximately three pages.

Summary Analyses are prepared for the total U.S., FAA region and state and require two to three pages.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

C. Jay Everhart
Department of Transportation
AAT-433
Federal Aviation Administration

CRITICAL HIGHWAY FACILITIES

I. Summary Identification

Ready Category:	THB
Currency:	1974
Resource Points:	67,344
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file were prepared by the Federal Highway Administration (FHWA) and covers highway bridges and tunnels in CONUS.

The measure for "critical" facilities is as described. In cooperation with the various states, the FWHA has collected data to update this file and expand coverage of critical facilities associated with the U.S. primary and secondary system.

III. Quantitative Data

- Structure length in feet
- Maximum span length in feet

IV. Categories Based on File

Complete File. Only category THB is based on this file. Category THB is included in the emergency package.

Partial File. No categories are based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by uniform federal region, state, and waterway.

Summary Printouts are prepared for total U.S., uniform federal region, state, and waterway.

VI. Agency Contact Regarding Data

William J. Lettice
Office of Emergency Transportation
Department of Transportation

MOTOR TRUCKS

I. Summary Identification

Ready Category:	THT
Currency:	1960
Resource Points:	3,804
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

These data were prepared by Stanford Research Institute from data by the motor vehicular state registration bureaus; I.C.C., for Class 1 and 2 for hire carriers; and the Federal Highway Administration. The total U.S. inventory of motor trucks as of 1960 is included. The inventory of about 11.6 million units is covered in its normal geographic distribution among some 3,800 locations throughout the Continental U.S.

III. Quantitative Data

Quantitative data cover truck type as follows:

- Total trucks
- Petroleum trucks
- Farm trucks
- All other trucks.

IV. Categories Based on File

Complete File. Only category THT, motor trucks, is based on this file. Category THT is not included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared.

Summary Analyses are prepared and are sequenced by U.S. total, uniform federal region and state.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

B. R. McKenzie, Assistant to the Director
Bureau of Operations
Interstate Commerce Commission

ELECTRIC GENERATING STATIONS

I. Summary Identification

Ready Category:	EEG
Currency:	June 30, 1966
Resource Points:	2,569
Classification:	SECRET

II. Source and Coverage of Data

This file is based on a special survey of electric utilities and industrial plants which generate significant amounts of electricity for their own industrial operations, for sale to others, or both. All generating stations that were in service as of June 30, 1966, or under construction as of that date and scheduled for completion by December 31, 1968 are included if nameplate capacity exceeded 5,000 kilowatts. Approximately 98 percent of all utility and industrial generating capacity in the United States, its territories, commonwealths, possessions, etc., at the time of the survey by the Federal Power Commission is accounted for in this file. An effort is underway to collect information from the electric utilities to use in updating this file.

III. Quantitative Data

The generating capacity of each generating station of 5,000 kilowatts or more is shown in megawatts (thousands of kilowatts) to the nearest tenth of a megawatt as follows:

- Station nameplate capacity June 30, 1966
- Expected station nameplate capacity December 31, 1967
- Expected station nameplate capacity December 31, 1968
- Station capacity June 30, 1966 - Fuel limited to Coal
- Station capacity June 30, 1966 - Fuel limited to Gas
- Station capacity June 30, 1966 - Fuel limited to Oil
- Station capacity June 30, 1966 - Fuel limited to Nuclear
- Station capacity June 30, 1966 - Fuel limited to Lignite
- Station capacity June 30, 1966 - Fuel limited to Industrial Wastes
- Number of station personnel June 30, 1966

The estimated amount of time that would be required to convert each station of 25,000 kilowatts or more to any one of the fuels—coal, oil or gas—also is shown.

IV. Categories Based on File

Complete File. Only Category EEG is based on this file. Category EEG covers the complete file, and is sequenced by Defense Electric Power Administration (DEPA) region. Within each DEPA region, station records are sequenced by each Federal Power Commission Power Supply Area (PSA) and within each PSA by types of prime mover (hydro or thermal). Category EEG is included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared, require 121 pages to list, and are sequenced by DEPA regions, FPC PSA, and prime energy source.

Summary Analyses are prepared and aggregated by U.S., uniform federal region, area, and prime energy source.

Special Analyses by machine have not been prepared to date.

VI. Agency Contact Regarding Data

William Heavey
Federal Power Commission

ELECTRIC SUBSTATIONS AND SWITCHING STATIONS

I. Summary Identification

Ready Category:	EET
Currency:	1966/67/68
Resource Points:	11,107
Classification:	SECRET

II. Source and Coverage of Data

The source of this file is a special survey of electric utilities and industrial companies which generate electricity for their own industrial operations, for sale to others, or both. Data cover the installed capacity of substations and switching stations that were in service, under construction or scheduled for completion by December 31, 1968. The step-up substations, co-located or near their related generating stations, are generally not covered because they are considered to be a part of the generating station. In those instances where such a substation is included, its capacity is omitted. Major switching stations which have no transformer capacity are also covered.

These data cover utility and industrial substations of those systems which represented about 98 percent of all generating capacity in the United States, its territories, commonwealths, possessions, etc. on the survey data. All substations with a capacity of 10,000 kilovolt-amperes, or larger, operated for electric utility purposes or by industrial establishments to supply their own industrial loads are included.

III. Quantitative Data

The transformer capacity of each substation of 10,000 kilovolt-amperes or more is shown in megavolt-amperes (thousands of kilovolt-amperes) to the nearest tenth mva as follows:

- Nameplate capacity of each station as it existed on June 30, 1966
- Expected nameplate capacities as of December 31, 1967
- Expected nameplate capacities as of December 31, 1968.

Data are also included indicating whether the station is attended or unattended.

IV. Categories Based on File

Complete File. Only Category EET is based on this file. Category EET covers the complete file and is sequenced by Defense Electric Power Administration region. Within regions, records are sequenced by each Federal Power Commission Power Supply Area (PSA) and within each PSA by type of station (step-up, switching or all other). Category EET is included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared, require 128 pages, and are sequenced by DEPA region, FPC PSA and type of station.

Summary Analyses are prepared for total U.S., DEPA region, FPC power area, and type of station.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

William Heavey
Federal Power Commission

NATURAL GAS PROCESSING PLANTS

I. Summary Identification

Ready Category:	ERN
Currency:	1965
Resource Points:	764
Classification:	UNCLASSIFIED PROPRIETARY

II. Source and Coverage of Data

This category covers all plants extracting liquid products (atmospheric temperatures and pressures) from natural gas, as for example, ethane and natural gasoline. These data were assembled by the Department of Interior.

III. Quantitative Data

Quantitative data are covered as follows:

- Gas processing capacity in millions cu ft/day
- Ethane output capacity in barrels/day
- Propane output capacity in barrels/day
- Butane output capacity in barrels/day
- Isobutane output capacity in barrels/day
- LPG mixtures output capacity in barrels/day
- Isopentane output capacity in barrels/day
- Natural gasoline output capacity in barrels/day
- De-ethanized product output capacity in barrels/day

IV. Categories Based on File

Complete File. Only one category, ERN, is based on this file. Category ERN is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are normally prepared and sequenced by uniform federal region and state.

Summary Analyses are normally prepared and are aggregated by U.S., uniform federal region, and state.

VI. Agency Contact Regarding Data

Ben Tafoya
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

NATURAL GAS PIPELINE FACILITIES

I. Summary Identification

Ready Category:	EPG
Currency:	1968
Resource Points:	5,818
Classification:	UNCLASSIFIED, PROPRIETARY

II. Source and Coverage of Data

These data were assembled through the cooperative efforts of the National Petroleum Council and the Department of Interior. All companies that are significantly involved in natural gas transmission are covered. Facilities covered are key points in the transmission network such as compressor stations, pipeline interconnections, river crossings, control and dispatch stations and underground storage fields. Each facility is identified by its group office location, uniform federal region code, map reference (1:500,000), and type of facility.

III. Quantitative Data

The following quantitative data are included as applicable for pumping stations, storage fields and pipe interconnections:

- Compressor station capacity in millions cu ft/day
- Compressor station installed horsepower
- Compressor station–number of compressor units
- Pipeline interconnection operation pressure in lbs/sq in
- Storage field MAX Daily withdraw rate in millions cu ft
- Storage field total seasonal withdraw rate in millions cu ft

No quantitative data are provided for river crossing and dispatch stations.

IV. Categories Based on File

Complete File. Only one category, EPG, is based on this file. Category EPG is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by group office code, company code, map scale code, and facility type.

Summary Analyses are not prepared.

VI. Agency Contact Regarding Data

Ben Tafoya
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

PETROLEUM REFINERIES: BASIC PROCESSING CAPACITY

I. Summary Identification

Ready Category:	ERB
Currency:	January 1971
Resource Points:	255
Classification:	UNCLASSIFIED, INTERIOR PROPRIETARY

II. Source and Coverage of Data

This file covers the basic processing capacity of all major petroleum refineries in the United States. These data were prepared by the Department of Interior.

III. Quantitative Data

The following basic capacity data are covered:

- Operating crude oil input
- Vacuum Distillation
- Catalytic cracker, fresh feed
- Catalytic cracker, total feed
- Catalytic reforming input
- Catalytic hydrocracking
- Catalytic hydrorefining
- Coking Unit throughput
- Visbreaker
- Alkylation alkylate production

The above production capacities are all in either barrels per calendar or stream day.

IV. Categories Based on File

Complete File. Category ERB is based on the complete file. Category ERB is included in the emergency package.

Partial File. No categories are based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by uniform federal region, state, area and county.

Summary Analyses are prepared for the U.S., uniform federal regions, and states.

VI. Agency Contact Regarding Data

Ben Tafoya
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

CRUDE OIL PIPELINES

I. Summary Identification

Ready Category:	EPC
Currency:	1964
Resource Points:	2,045
Classification:	UNCLASSIFIED, INTERIOR PROPRIETARY

II. Source and Coverage of Data

This file covers pump stations and major river crossings of all U.S. crude oil trunk pipelines. Records are coded as appropriate to show number of pumps, standby pumps, type of pumps, prime movers, degree of automation and, for river crossings, length of crossing, diameter of pipe, type of crossing and time restoration. These data were assembled through the cooperative efforts of the Department of Interior and the National Petroleum Council.

III. Quantitative Data

Quantitative data are limited to pump stations as follows:

- Station capacity (1,000 barrels/day)
- Installed prime mover HP
- Station personnel

IV. Categories Based on File

Complete File. Only one category, EPC, is based on this file. Category EPC is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by company code and type of pipeline system.

Summary Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Ben Tafoya
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

PETROLEUM PRODUCTS PIPELINES

I. Summary Identification

Ready Category:	EPP
Currency:	1964
Resource Points:	1,532
Classification:	UNCLASSIFIED, INTERIOR PROPRIETARY

II. Source and Coverage of Data

This category covers pump stations and major river crossings for all petroleum pipelines in the U.S., including pipelines for liquified petroleum gases. These data were assembled through the cooperative efforts of the Department of Interior and the National Petroleum Council. In any one pipeline system the pump stations are arranged in geographic sequence from origin to destination. Also, for each system, a list in sequential order is displayed showing the river crossings.

III. Quantitative Data

Quantitative data are limited to pump stations as follows:

- Station capacity (1,000 barrels/day)
- Installed prime mover HP
- Station personnel

IV. Categories Based on File

Complete File. Only category, EPP, is based on this file. Category EPP is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by company code and type of pipeline system.

Summary Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Ben Tafoya
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

PETROLEUM PRODUCT STORAGE CAPACITY AND ESTIMATED INVENTORIES

I. Summary Identification

Ready Categories:	ESP/EJA/EFE/EMR/EAP/EMY/EJU/ EJY/EAU/ESE/EOC/ENO/EDE
Currency:	1962
Resource Records:	7,738
Classification:	UNCLASSIFIED PROPRIETARY

II. Source and Coverage of Data

This file covers all petroleum product storage terminals and bulk plants in all 50 states of the U.S., with a capacity of 250 or more barrels. The 7,738 resource records are a consolidation of 30,766 separate storage facility reports. The basic file consists of 1962 storage capacity data collected by the Bureau of the Census in a special pre-1963 Census of Business survey. Inventory to capacity ratios developed by the Interior Department, based on average monthly stockage for the years 1961-1963 have been used to estimate inventories of selected products for each month of the year.

The file is sequenced by uniform federal region, state, area and county. Within county, facilities are grouped by:

- Power source
- Availability of auxiliary power
- Gravity flow capabilities
- Primary and secondary method of receipt

III. Quantitative Data

The following quantitative data are covered in category ESP.

Tank capacity data (100 barrels)

- Aviation gasoline
- Motor gasoline

- Kerosene
- Distillate fuel oil
- Residual fuel oil
- Liquid petroleum gases

Equipment

- Number of trucks
- Truck capacity, hundreds of barrels

Estimated inventories are provided, based on the month of the year, for the following selected products (all in 100 barrels).

- Motor gasoline
- Kerosene
- Distillate fuel oil
- Residual fuel oil

IV. Categories Based on File

Complete File. Category ESP contains the basic data on storage capacities collected by the Bureau of the Census. The inventory estimates are included in 12 separate Ready Categories—one for each month of the year.[1] Only category ESP is included in the emergency package.

[1] The Ready categories containing estimated inventories of petroleum storage facilities are:

Month of Year	Category Designation
January	EJA
February	EFE
March	EMR
April	EAP
May	EMY
June	EJU
July	EJY
August	EAU
September	ESE
October	EOC
November	ENO
December	EDE

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared and are sequenced by uniform federal region, state, and area.

Summary Analyses are prepared for the U.S., uniform federal regions, states, and areas.

VI. Agency Contact Regarding Data

Ben Tafoya
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

BITUMINOUS COAL AND LIGNITE

I. Summary Identification

Ready Category:	EBT
Currency:	1970
Resource Points:	961
Classification:	UNCLASSIFIED, INTERIOR PROPRIETARY

This file contains individual company data which must be safeguarded to prevent their disclosure to any person other than authorized Department of Interior and FPA personnel. Other regular Federal Government per annum employees with official need for individual company data may apply for specific permission to the Director, Office of Minerals and Solid Fuels, Emergency Preparedness Staff, Department of Interior.

Summary totals which do not reveal individual company data may be released to appropriately cleared Executive Reservists, WAE and Federal Government employees with official need for such summary totals.

II. Source and Coverage of Data

The data in this file covers the daily average production of all bituminous coal and lignite mines. These data were prepared by the Office of the Assistant Secretary, Department of Interior, and reflect updated information collected periodically from regularly recurring reports to the department from information obtained in trade papers and periodicals, and from direct contacts with industry. Major producers of bituminous coal and lignite are treated individually; minor producers are grouped into county aggregates.

III. Quantitative Data

Four quantitative measures of activity are used:

- Total capacity, tons per day
- Daily labor force
- Deep mined, tons/day
- Surface mined, tons/day

IV. Categories Based on File

Complete File. Only one category, EBT, is based on this file. Category EBT, which covers the complete file, is sequenced numerically by coal producing district and transportation system. Category EBT is included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require about 240 pages, and are sequenced by coal district, transportation system and geographic area.

Summary Analyses are prepared showing national totals by type of operation and by coal producing districts. About 15 pages are required.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

Laura F. Cook
Staff Assistant
Office of the Assistant Secretary--Energy and Minerals
Department of Interior

ANTHRACITE COAL BY GEOGRAPHIC AREAS

I. Summary Identification

Ready Category:	EAG
Currency:	1970
Resource Points:	164
Classification:	UNCLASSIFIED, INTERIOR PROPRIETARY

This file contains individual company data which must be safeguarded to prevent their disclosure to any person other than authorized Department of Interior and FPA personnel. Other regular Federal Government per annum employees with official need for individual company data may apply for specific permission to the Director, Office of Minerals and Solid Fuels, Emergency Preparedness Staff, Department of Interior.

Summary totals which do not reveal individual company data may be released to appropriately cleared Executive Reservists, WAE and Federal Government employees with official need for such summary totals.

II. Source and Coverage of Data

The data in this file were prepared by the Office of the Assistant Secretary, Department of Interior, and reflect updated information collected periodically from regularly recurring reports to the department from information obtained in trade papers and periodicals, and from direct contacts with industry. The resources covered in this file include all anthracite breakers.

III. Quantitative Data

Data on anthracite breakers are sequenced in two ways—coal source and sizes produced. The quantitative data entries associated with each are:

Anthracite Breakers

- Capacity, tons/day
- Average daily labor force
- From deep mines, tons/day
- From strip pits, tons/day
- From culm banks, tons/day
- From river dredging, tons/day

Sizes Produced by Breakers

- Chestnut & larger, tons/day
- Pea, tons/day
- Buckwheat No. 1, tons/day
- Buckwheat No. 2, (rice) tons/day
- Buckwheat No. 3, (barley) tons/day
- Buckwheat No. 4 & smaller tons/day

IV. Categories Based on File

Complete File. Only one category, EAG, is based on this file. Category EAG is sequenced by type of operation as shown above and by geographic area. Category EAG is included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require about 35 pages, and are sequenced by operation, uniform federal region, state, area, county and transportation system.

Summary Analyses are prepared showing national totals for U.S., type of operation, uniform federal region, and state.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

Laura F. Cook
Staff Assistant
Office of the Assistant Secretary–Energy & Minerals
Department of Interior

COKE PLANTS BY GEOGRAPHIC AREAS

I. Summary Identification

Ready Category:	MCG
Currency:	1972
Resource Records:	275
Classification:	UNCLASSIFIED, INTERIOR PROPRIETARY

This file contains individual company data which must be safeguarded to prevent their disclosure to any person other than authorized Department of Interior and FPA personnel. Other regular Federal Government per annum employees with official need for individual company data may apply for specific permission to the Director, Office of Minerals and Solid Fuels, Emergency Preparedness Staff, Department of Interior.

Summary totals which do not reveal individual company data may be released to appropriately cleared Executive Reservists, WAE and Federal Government employees with official need for such summary totals.

II. Source and Coverage of Data

The data in this file cover all active beehive coke plants, inactive beehive coke plants in a standby condition and all active by-product coke plants in 1972. The data were prepared by the Office of the Assistant Secretary, Department of Interior, based on information provided by the Bureau of Mines from regularly recurring reports, from information obtained in trade papers and periodicals, and from direct contacts with industry.

III. Quantitative Data

The following quantitative data are associated with various resource activities:

Beehive Coke Plants Active in 1972

- Capacity, coke, tons/day
- Average daily labor force
- Capacity, breeze, tons/day
- Coal used, tons/day
- Washed coal used, tons/day

Beehive Coke Plants Inactive in 1972

- Potential capacity, coke, tons/day
- Average daily labor force
- Potential capacity, breeze, tons/day
- Coal required, tons/day

(Capacities and requirements are based on the last year of operation)

Capacity of By-product Coke Plants 1972

- Capacity, coke, tons/day
- Average daily labor force
- Capacity, breeze, tons/day
- Carbonized Coal, tons/day
- Coke oven gas, 1000 cu. ft./day
- Captive coal used, tons/day

Major Coal Chemicals Produced at By-product Coke Plants

Coal Chemical Group A

- Sulphate, tons/day
- Light oil, gals./day
- Benzene, gals./day
- Toluene, gals./day
- Xylene, gals./day
- Solvent Naptha, gals./day

Coal Chemical Group B

- Tar, gals./day
- Creosote oil, gals./day
- Phenol, tons/day
- Napthalene, tons/day
- Pryidene, tons/day
- Pitch of tar, tons/day

Sources of Coal Used in By-product Coke Ovens, tons/day

Coke Ovens in Uniform Federal Region 2

- Bituminous District 1
- Bituminous District 2
- Bituminous District 7
- Bituminous District 8

Coke Ovens in Uniform Federal Region 3

- Bituminous District 1
- Bituminous District 2
- Bituminous District 3
- Bituminous District 7
- Bituminous District 8
- Anthracite

Coke Ovens in Uniform Federal Region 4

- Bituminous District 1
- Bituminous District 8
- Bituminous District 13
- Anthracite

Coke Ovens in Uniform Federal Region 5

- Bituminous District 1
- Bituminous District 2
- Bituminous District 3
- Bituminous District 7
- Bituminous District 8
- Bituminous District 10
- Bituminous District 13
- Anthracite

Coke Ovens in Uniform Federal Region 6

- Bituminous District 8
- Bituminous District 14
- Bituminous District 15

Coke Ovens in Uniform Federal Region 7

- Bituminous District 7
- Bituminous District 8

Coke Ovens in Uniform Federal Region 8

- Bituminous District 7
- Bituminous District 17
- Bituminous District 20

Coke Ovens in Uniform Federal Region 9

- Bituminous District 17
- Bituminous District 20

IV. Categories Based on File

Complete File. Only one category, MCG, is based on this file. Category MCG, which covers the complete file, is sequenced by type of activity, uniform federal region, state, and transportation system. Category MCG is included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require about 45 pages, and are sequenced by kind of operation, uniform federal region, state, and transportation system.

Summary Analyses are prepared for this file showing totals by kind of operation, and uniform federal region, and state.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

Laura F. Cook
Staff Assistant
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

COAL DOCKS STORAGE

I. Summary Identification

Ready Category:	EDS
Currency:	1970
Resource Points:	84
Classification:	UNCLASSIFIED, INTERIOR PROPRIETARY

This file contains individual company data which must be safeguarded to prevent their disclosure to any person other than authorized Department of Interior and FPA personnel. Other regular Federal Government per annum employees with official need for individual company data may apply for specific permission to the Director, Office of Minerals and Solid Fuels, Emergency Preparedness Staff, Department of Interior.

Summary totals which do not reveal individual company data may be released to appropriately cleared Executive Reservists, WAE and Federal Government employees with official need for such summary totals.

II. Source and Coverage of Data

The data in this file were prepared by the Office of the Assistant Secretary, Department of Interior, and reflect information collected from government records, trade publications, and from a special survey of the industry. All lake, river and tidewater commercial coal docks operating in 1970 are included.

III. Quantitative Data

The following quantitative data are covered:

- Storage capacity–tonnage (other than lake docks)
- Average tonnage handled per year (other than lake docks)
- Tons per hour loading speed (lake docks only)

IV. Categories Based on File

Complete File. Only one category, EDS, is based on this file. Category EDS, which covers the complete file, is sequenced by type of dock, river system or lake, rail system serving the docks and geographic area. Category EDS is included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require about 10 pages, and are sequenced by type dock, river or lake, rail system, uniform federal region and state.

Summary Analyses are prepared showing national totals for the U.S., dock types, and river or lake.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

Laura F. Cook
Staff Assistant
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

LIVESTOCK INVENTORIES AND SALES

I. Summary Identification

Ready Categories:	ALS
Currency:	1969
Resource Points:	3,046
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

Data on livestock were extracted from 1969 Census of Agriculture county summary records and provide complete coverage except for any under enumeration. Coverage includes the 48 states in the Continental United States plus Hawaii. Alaska is not included. It is anticipated that in the future, as in the past, the file will be updated following each Census of Agriculture.

III. Quantitative Data

The following selective livestock data are covered:

- Milk Cow inventory (number)
- Cattle and calves inventory (number)
- Hogs and pigs inventory (number)
- Sheep and lambs inventory (number)
- Hens and pullets inventory (tens)
- Broilers sold (thousand)
- Turkeys sold (tens)

IV. Categories Based on File

Complete File. Category ALS is based on the entire file. It is sequenced by uniform federal region and state. Category ALS is not included in the emergency package.

Partial File. None.

V. Types of Computations Normally Prepared

Point Analyses. Point Analyses are not normally prepared.

Summary Analyses. None are normally prepared.

Special Analyses. Category ALS is input into a special "LIVESTOCK" analysis routine which computes losses and availabilities at national, regional and state levels.

VI. Agency Contact Regarding Data

Jerry W. Newcomb
Emergency Preparedness Division
Department of Agriculture

LAND ACREAGE BY USE AND CAPABILITY CLASS

I. Summary Identification

Ready Category:	AFL
Currency:	1958
Resource Points:	3,050
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file contains county summary data on acreage by land use capability classes obtained from the National Inventory of Soil and Water Conservation Needs prepared by the United States Department of Agriculture (USDA) in 1958. Coverage includes all rural, land not under federal ownership. Because land use capability is not subject to rapid change, USDA has no plans to take another inventory. As a result, there are no plans to update this file in the foreseeable future.

III. Quantitative Data

The following land data are provided:

- Cropland, all capability classes
- Pasture and range, all capability classes
- Woodland, all capability classes
- Total

A description of land use capability classification appears in USDA Handbook No. 210.

IV. Categories Based on File

Complete File. Only one category, AFL, is based on this file. The category is sequenced geographically by uniform federal region, state and USDA land resource area. Category AFL is not included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared for this file.

Summary Analyses are prepared for the nation, uniform federal regions and states showing total land acreage, and its availability, by type.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

Jerry W. Newcomb
Emergency Preparedness Division
Department of Agriculture

CROPLAND HARVESTED

I. Summary Identification

Ready Category:	ACL
Currency:	1969
Resource Points:	3,046
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers cropland harvested as reported in the 1969 Census of Agriculture. Data were provided by the Bureau of the Census in the form of county records.

III. Quantitative Data

Data coverage is limited to:

- Cropland harvested in 1,000's of acres
- Corn for grain in acres
- Sorghums for grain and seed in acres
- Wheat for grain in acres
- Soybeans for beans in acres
- Rye for grain in acres
- Barley for grain in acres
- Irish potatoes, harvested in acres
- Alfalfa in acres

IV. Categories Based on File

Complete File. Category ACL is based on this file. It is sequenced by uniform federal region, state and USDA land resource area. Category ACL is not included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared.

Summary Analyses are prepared for the nation, uniform federal regions and states showing cropland harvested availability.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Jerry W. Newcomb
Emergency Preparedness Division
Department of Agriculture

FOOD PROCESSING, STORAGE AND DISTRIBUTION FACILITIES

I. Summary Identification

Ready Category:	ADP
Currency:	September 1974
Resource Records:	Approximately 37,964
Classification:	UNCLASSIFIED

Data in this file have been accorded an "official use only" designation, and no use made without prior written approval from USDA.

II. Source and Coverage of Data

Data were obtained from current USDA operating programs and supplemented by information purchased from Dun and Bradstreet or supplied from Trade Associations and other commercial sources. Verification and updating are accomplished by State and County Defense Boards on a quarterly basis. Universe coverage for all facilities of more than local importance is reasonably reliable. It is anticipated that data in this file will be updated annually.

III. Quantitative Data

At present quantitative data are not associated with the facilities covered in this file.

IV. Categories Based on File

Complete File. Category ADP is based on this file. Category ADP covers 70 food categories which have been defined to conform with unit operating responsibilities within USDA. The food categories are grouped into 60 SIC food industries. These, in turn, are organized into nine food groups. Category ADP includes bulk, refrigerated and dry food storage facilities as well as selected food processors. Sequence within USDA food category is geographically by uniform federal region, state, area and county.

Partial File. For emergency use, 15 food industries have been extracted from the complete file. This subset of category ADP[1] is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared because of the large number of facilities included in this file.

Summary Analyses showing facility counts by damage and availability classes are prepared at state, uniform federal region and national level for each USDA food category and group.

Special Analyses. None

VI. Agency Contact Regarding Data

Jerry W. Newcomb
Emergency Preparedness Division
Department of Agriculture

[1] Emergency use subset category ADP covers:

Meat Packing	Bakers Yeast
Poultry Dressing	Fats and Oils
Fish and Sea Food	Farm Product Warehouses
Poultry and Eggs	Cane Sugar
Dairy Products	Beet Sugar
Flour Mills	Chain Grocery Warehouses
Corn Mills	Wholesale Groceries
Feed	

GRAIN STORAGE FACILITIES

I. Summary Identification

Ready Category:	ASG
Currency:	September 1974
Resource Records:	10,873
Classification:	UNCLASSIFIED

Data in this file have been accorded an "official use only" designation, and no use made of it without prior written approval from USDA.

II. Source and Coverage of Data

Data were obtained from the Uniform Grain Storage Agreement (UGSA) files, and supplemented by survey data from the files of each SRS State Agricultural Statistician. They cover the complete universe for all facilities having a capacity of 20,000 bushels or more with a high degree of reliability. Data are complete as of September 1974. It is anticipated that data in this file will be updated annually.

III. Quantitative Data

Data coverage are as follows:

- UGSA storage capacity
- Non-UGSA storage capacity
- Total storage capacity

IV. Categories Based on File

Complete File. Only one category, ASG, is based on this file. All grain, bean and rice storage facilities having a capacity of 20,000 or more bushels are sequenced geographically by uniform federal region, state, area and county. Category ASG is not included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared because of the large number of facilities in this category.

Summary Analyses are normally prepared providing damage and availability estimates by commodity and geographic area.

Special Analyses are prepared as requested.

VI. Agency Contact Regarding Data

Jerry W. Newcomb
Emergency Preparedness Division
Department of Agriculture

MANUFACTURING CENSUS ESTABLISHMENT AND PRODUCT SHIPMENT RECORDS

I. Summary Identification

Ready Categories:	MCI-MEI MCP-MEP
Currency:	1972
Resource Records:	MEI 66,700 MEP 132,400
Classification:	UNCLASSIFIED, CENSUS CONFIDENTIAL

The individual data records in this file have been extracted from Census Confidential records and, as such, can only be seen by Census employees or special agents. Since the law requires the input record to be given confidential treatment, an editing procedure has been developed to protect national and other selected broad summaries against disclosures. Such summaries are available to those with a legitimate need for the data.

II. Source and Coverage of Data

The resource elements of this file cover all manufacturing establishments included in the 1972 Annual Survey of Manufactures (ASM). The ASM is conducted by the Bureau of the Census using a stratified sample of manufacturing establishments in which all large plants (generally those with 250 or more employees) are included with certainty. To protect summary results against disclosure of individual company operations, a regular use version (MEI-MEP) of this file was created by "adjusting" the quantitative data fields of each record using randomly selected multipliers. The set of multipliers is so established that the maximum induced error in any individual record is plus or minus 25 percent with the average error fixed at 15 percent. An "unadjusted" or so called pure version (MCI-MCP) of the Census file is retained for use in case of an actual nuclear attack.

The file is normally updated annually following each annual survey.

III. Quantitative Data

Nine measures of activity are associated with establishment operations (MCI-MEI) and one with product shipments (MCP-MEP). For product shipments, the unit of measure is thousands of dollars and the measure of activity is value of product shipments. MCI-MEI data fields follow:

- Net Value of Shipments, 1,000 dollars
- Value of Contract Work, 1,000 dollars
- Net Value Added, Adjusted, 1,000 dollars
- Raw Material Inventories, 1,000 dollars
- Work-in-progress Inventories, 1,000 dollars
- Finished Goods Inventories, 1,000 dollars
- Total Employment
- Purchased Electricity, 1000KW
- Generated Electricity, 1000KW

IV. Categories Based on File

Complete File. Two regular use categories are based on the complete manufacturing file. They are category MEI which covers establishment operations sequenced by four-digit standard industrial classification (SIC) code and category MEP which covers product shipments sequenced by five-digit Census product class codes. (The Census five-digit product code is an extension of the four-digit SIC code.) The unadjusted version of category MEI (MCI) is included in the emergency package (see next paragraph). The unadjusted version of category MEP (MCP) is not, however, currently included in the emergency package.

Partial File. As required, two categories based on parts of the complete file are created. They are category MES, which covers industries designated as supporting population needs in a post-attack era (sequenced by region and state), and category MEM which covers industries designated as military support and recovery industries (also sequenced by region and state). The composition of the two categories in SIC terms is shown in attachments 1 and 2. These categories are created primarily to use in targeting analysis. There are no emergency use versions. Neither special file is included therefore in the emergency package. The emergency package category MCI is limited to the large plants ($\geqslant$ 250 employees) or certainty cases in the ASM.

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared because of the large volume of detail and the confidentiality of the individual resource records.

Summary Analyses are prepared as follows:

Category MEI summaries are normally prepared for all manufacturing and for two-, three-, and four-digit SIC codes. All summaries are at the national level.

Category MEP summaries are normally prepared for the five-digit Census product class code for the nation as a whole.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Jeanette F. Stivers
Census Representative to FPA

ATTACHMENT 1

INDUSTRY COVERAGE RESOURCE CATEGORY MES
"Survival Support Industries"

SIC Codes Included in Category MES

20	Food
21	Tobacco
22	Textiles
23	Apparel
241	Logging
242	Sawmills
244	Wooden Containers
2491	Wood Preserving
2499	Wood Misc.
25	Furniture & Fixtures
261	Pulp Mills
262	Paper Mills
263	Paperboard Mills
264	Paper Products
265	Paperboard Containers and Boxes
27	Printing & Publishing
2816	Pigments
283	Drugs
284	Soaps
2865	Dyes
2891	Glue
2893	Ink
2899	Fatty Acids
302	Rubber Footwear
31	Leather
322	Glassware, pressed or blown
323	Glass Products, made of purchased glass
324	Cement
326	Pottery and Related Products
3263	Earthenware, Table & Kitchen Articles
3269	Pottery Products, N.E.C.*
328	Cut Stone
341	Metal Cans
342	Cutlery
363	Household Appliances
3651	Radio and TV Receivers
3692	Primary Batteries
3693	X-ray
384	Surgical Instr.
385	Opthalmic Goods
386	Photographic Equip.
387	Watches and Clocks
39	Misc. Manufacture

*N.E.C. - not elsewhere classified

ATTACHMENT 2

INDUSTRY COVERAGE RESOURCE CATEGORY MEM
"Military and Recovery Support Industries"

SIC Codes Included in Category MEM

243	Millwork
266	Building Paper
2812	Alkalies
2813	Industrial Gases
2819	Industrial Inorganic Chemicals
282	Plastics
285	Paints
2861	Gum and Wood Chemicals
2865	Cyclic Crudes
2869	Industrial Organic Chemicals
287	Agricultural Chemicals
2892	Explosives
2895	Carbon Black
2899	Misc. Chemicals
29	Petroleum Refining
301	Tires and Tubes
303	Reclaimed Rubber
306	Fabricated Rubber
307	Misc. Plastics
321	Flat Glass
325	Structural Clay
3261	Plumbing Fixtures
3264	Porcelain Electrical Supplies
327	Concrete Products
329	Abrasives
33	Primary Metals
343	Plumbing and Heating Equipment
344	Fabricated Structural Metal Products
345	Screws
346	Metal Stampings
347	Coating Services
349	Misc. Metal Products
3496	Wire Products
35	Machinery
361	Electric Transmission and Distribution Equipment
362	Electrical Industrial Apparatus
364	Lighting and Wiring Equipment
366	Communication Equipment
367	Electronics
3691	Storage Batteries
3694	Engine Electrical Components
3699	Misc. Electrical Machines
37	Transportation Equipment
381	Engineering Instruments
382	Control Instruments
383	Optical Instruments

SPECIAL PRODUCTS CAPACITY, IEB

I. Summary Identification

Ready Category:	MPB
Currency:	March 1972
Resource Records:	Approximately 14,000
Classification:	SECRET, IEB PROPRIETARY

II. Source and Coverage of Data

This file provides data concerning the facilities producing products identified by the Interdepartmental Industry Evaluation Board, chaired by the Department of Commerce, as being of exceptionally high importance to national defense. The products are grouped in accordance with the three-digit code for type of product as indicated by the 1972 Standard Industrial Classification (SIC) Manual. For each product, the production capacity and the percentage of national production capacity are shown by producing plant or facility. Products are uniquely identified by an IEB analysis number.

In most instances, all facilities producing products or which have a readily available production capacity for products identified by the Industry Evaluation Board are included in this category. In instances where 100 percent of the total total domestic capacity for the production of a product is not shown, the remaining or unlisted capacity is widely dispersed among facilities each accounting for less than 1 percent of national capacity.

This category includes approximately 8,000 plants (resource points) producing some 1,200 IEB-identified products or industry segments. These products fall within 70 different three-digit SIC codes. Many of the plants included in IEB analyses and in this file produce more than one product. Since each product associated with a plant requires a separate record, there are nearly 14,000 resource records in the file.

The category is currently being updated to reflect data through September 1973.

III. Quantitative Data

The following measures of activity are used:

- Plant capacity for subject products expressed in terms of percent of national production capacity
- Plant capacity expressed in units of annual capacity production
- An indication of whether or not a plant has been rated by the Industry Evaluation Board

IV. Categories Based on File

Complete File. Only one category, MPB, is based on this file. Category MPB, which covers the complete file, is sequenced by three-digit SIC code, and within the SIC code, by the IEB analysis number assigned to the product. Category MPB is included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require about 1,065 pages for the printout, and are sequenced by product group, and by product identification.

Summary Analyses are prepared for product totals by product group, and product identification. About 595 pages are required for the printout.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

Jean P. John
Industrial Evaluation Staff
Bureau of Domestic Commerce
Department of Commerce

MINERALS AND METALS, PRIMARY PRODUCTION

I. Summary Identification

Ready Category:	MMP
Currency:	1970
Resource Records:	688
Classification:	UNCLASSIFIED, INTERIOR PROPRIETARY

This file contains individual company data which must be carefully safeguarded to prevent their disclosure to any person other than authorized Department of Interior and FPA personnel. Other regular Federal Government per annum employees with official need for individual company data may apply for specific permission to the Director, Office of Minerals and Solid Fuels, Emergency Preparedness Staff, Department of Interior.

Summary totals which do not reveal individual company data may be released to appropriately cleared Executive Reservists, WAE and Federal Government employees with official need for such summary totals.

II. Source and Coverage of Data

The data in this file cover facilities engaged in the production of selected primary metals and minerals. These data were prepared by the Office of the Assistant Secretary, Department of Interior, and reflect updated information collected periodically from regularly recurring reports to the department, from information obtained in trade papers and periodicals, and from direct contacts with industry. The resources covered in this file include virtually all of the major producers of primary metals and minerals, except pig iron and steel.

III. Quantitative Data

The following quantitative data are carried in each facility record:

- Number of production employees
- Annual Production
- Productive capability

The units of measure vary by type of commodity.

IV. Categories Based on File

Complete File. Only one category, MMP, is based on this file. Category MMP, which covers the complete file, is sequenced alphabetically by commodity and subsequently geographically by uniform federal region, state, area and county. Category MMP is included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require about 100 pages, and are sequenced by commodity identification, and by type of production operation.

Summary Analyses are prepared showing totals for each commodity by type of operation. About 13 pages are required.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

Laura F. Cook
Staff Assistant
Office of the Assistant Secretary–Energy and Minerals
Department of Interior

ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION FACILITIES

I. Summary Identification

Ready Category:	MAF
Currency:	June 1971
Resource Points:	683
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

All government-owned structures of importance to post-attack functions of the ERDA are included in this category. Revisions of individual items are made whenever such structures are physically changed, or the plans for use of the structures are modified.

Information for this file is provided by principal ERDA field offices, and by some subordinate ERDA area offices and operating contractors. ERDA headquarters provides Universal Transverse Mercator Coordinates and Structural Characteristic Descriptions, if available from previous input data.

III. Quantitative Data

No capacity or quantitative data are associated with the resources in this category. The records, therefore, have no data fields.

IV. Categories Based on File

Only one category, MAF, is based on this file. Category MAF is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared from this file, require 47 pages to list, and are sequenced by ERDA division, facility function, relevant major field office.

Summary Analyses are prepared from this file showing numbers of damaged and surviving facilities by ERDA division, by function, and by major field office.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

L. J. Beaufait
Emergency Program Officer
U. S. Energy Research and Development Administration

ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION SUPPLIERS

I. Summary Identification

Ready Category:	MAS
Currency:	September 1973
Resource Points	2,326
Classification	UNCLASSIFIED

II. Source and Coverage of Data

All privately-owned manufacturing and producing facilities of importance to post-attack functions of the Energy Research and Development Administration are included in this category. Revisions of individual items are made whenever such structures are physically changed, or sources of supply are changed.

Input data are prepared by principal ERDA field offices, and by some subordinate ERDA area offices and operating contractors. A review by ERDA headquarters provides Universal Transverse Mercator Coordinates and Structural Characteristic Descriptions, if available from previous input data.

III. Quantitative Data

No capacity or quantitative data are associated with the resources in this category. The records, therefore, have no data fields.

IV. Categories Based on File

Complete File. Only one category, MAS, is based on this file. Input data are sequenced as follows:

- ERDA Headquarters Division most concerned
- Principal field office concerned
- Area office involved, if any.

Category MAS is included in the emergency package.

Partial File. There are no categories based on portions of the file.

V. Types of Computations Normally Prepared

Point Analyses are prepared for this file, require 128 pages to list, and are sequenced by the ERDA division.

Summary Analyses are prepared from this file showing numbers of damaged and surviving facilities for the category as a whole and by the ERDA division and principal field office.

Special Analyses are not normally prepared for this file.

VI. Agency Contact Regarding Data

L. J. Beaufait
Emergency Program Officer
U. S. Energy Research and Development Administration

EMERGENCY SUPPLY SUPPORT PRODUCERS

I. Summary Identification

Ready Category:	MGS
Currency:	March 1, 1966
Resource Records:	3,127
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers 849 potential GSA Federal Supply Service production sources for 199 administrative-type items. The items selected were agreed upon by the Office of Emergency Preparedness (now Federal Preparedness Agency, GSA) and the Federal Supply Service and are deemed to be those items which represent the minimum essential operating supplies required for normal administrative purposes. The file indicates the average requirements per 1,000 employees (ESQ - Emergency Stockage Quantity) for the establishment of new offices, and the average monthly usage for operations of existing offices. The list of items covered by this file appears in the GSA issued Federal Property Management Regulations (FPMR 101-34) entitled Emergency Supply Support Operations, dated April, 1967. Data for this file were prepared by Federal Supply Service, GSA as of March 1, 1966.

III. Quantitative Data

No capacity or quantitative data are associated with resources in this category.

IV. Categories Based on File

Complete File. Category MGS, GSA Emergency Supply Support Producers, is based on this file. Category MGS is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared and are sequenced by GSA FSS Class Code and Federal Stock Number. Approximately 270 pages are required for a point analyses.

Summary Analyses are prepared and are sequenced by Class Code and Federal Stock Number. About 25 pages are required for a summary analyses.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

Harold J. McCoy
GSA Emergency Damage Assessment Officer
General Services Administration

SELECTED MANUFACTURING SECTOR CAPACITIES

I. Summary Identification

Ready Category:	MIO
Currency:	1969 (Projected to CY 1972)
Resource Records:	28,514
Classification:	UNCLASSIFIED, CENSUS CONFIDENTIAL

This file contains information extracted from Census Confidential and Department of Interior Proprietary records. Individual records can only be seen by Census employees or agents who have taken the oath of confidentiality. An editing procedure has been developed to protect national and other broad summaries against disclosures. Such summaries are available to those with a legitimate need for the information.

II. Source and Coverage of Data

The resource elements of this file include the large plant segment of manufacturing establishments covered in the 1969 Census of Manufactures. Data are reorganized by the industry sectors recognized in the Office of Business Economics (OBE) 1963 interindustry study and provide a basis for determining post-attack residuals.

Complete file updating is dependent on the updating of source files. Data are projected to current or future activity levels in constant 1963 dollars as required for special analytical studies.

III. Quantitative Data

An estimate of actual 1972 capacities in thousands of 1963 dollars, are carried in each resource file record.

- Shipments
- Value Added

- Material Inventory
- Work in Progress
- Finished Goods

IV. Categories Based on File

Complete File. Only one category, MIO, is based on this file. Category MIO is sequenced by OBE input-output sector. Category MIO is not included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are not prepared for category MIO.

Summary Analyses, by OBE sector are normally prepared for category MIO.

Special Analyses. Estimated post-attack residual capacities for each of the I/O sectors covered, and mentioned in section II, are required as inputs into the INFERS (Interindustry National Feasible Economic Recovery System) and POST (Post Attack Operations Statement Test) models. These models employ interindustry input-output techniques to evaluate the ability of a post-attack economy to meet an ordered priority set of national objectives.

VI. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

SURVIVAL ITEM PRODUCTION

I. Summary Identification

Ready Category:	SIP
Currency:	1971
Resource Records:	1,246
Classification:	SECRET, IEB Proprietary

II. Source and Coverage of Data

Data were obtained through special industry surveys conducted by the Industry Evaluation Board, Bureau of Domestic Commerce, Department of Commerce. Information on survival item production was collected through supplements to regular IEB studies of critical production items. Survival items are defined as those items critical to survival following a national emergency. Since IEB analyses are directed primarily to items essential for recovery for a national emergency, not all survival items are included in the IEB program. Those that are covered are included in this file. This category is being updated to reflect analyses through March 1972.

III. Quantitative Data

The following data are included in the file. Units of measure vary by item.

- Annual Production
- Annual Capacity
- Production Runout (Not available in all instances)
- Finished Goods Inventory (Not available in all instances)

IV. Categories Based on File

Complete File. Only one category, SIP, is based on this file. Category SIP covers the complete file and is not included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses may be prepared. They are sequenced by survival item group, type (and use or required for production), item and geographic area.

Summary Analyses are prepared for individual survival items.

Special Analyses. Special supply-requirements comparisons are made when requirements are known.

VI. Agency Contact Regarding Data

Jean P. John
Industrial Evaluation Staff
Bureau of Domestic Commerce
Department of Commerce

MANUFACTURING–DEFENSE ORIENTED INDUSTRIES

I. Summary Identification

Ready Categories:	MDS/MDE
Currency:	1972
Resource Records:	6,500
Classification:	UNCLASSIFIED, CENSUS CONFIDENTIAL

The individual data records in this file have been extracted from Census Confidential records and, as such, can only be seen by Census employees, or special agents. Since the law requires the input record to be given confidential treatment, an editing procedure has been developed to protect national and other selected broad summaries against disclosures. Such summaries are available to those with a legitimate need for the data.

II. Source and Coverage of Data

The resource elements of this file cover manufacturing establishments making defense oriented shipments. Data is from the 1972 Annual Survey of Manufactures (ASM). Individual establishment data of the regular use file (MDE) have been randomly factored or "adjusted" to guard summaries against disclosure of individual company operations. An "unadjusted" or pure version of the file (MDS) is retained for use in case of actual nuclear attack and is a part of the emergency package. This file is updated annually.

III. Quantitative Data

The following data are included:

- Total Shipments in thousands of dollars
- Total Defense Shipments made to DOD, NASA and AEC in thousands of dollars
- Total Non-Defense Shipments made to federal agencies in thousands of dollars
- Other Shipments–Non-Federal in thousands of dollars

IV. Categories Based on File

Complete File. Two versions of the Defense Oriented Industries file are maintained, one for general use—category MDE and one for emergency use—category MDS. Category MDS-72 is to be included in the next emergency package update.

Partial File. There are no partial versions of this file.

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared because individual establishment data are Census Confidential and cannot be made available in normal operations.

Summary Analyses are normally prepared for two-digit, three-digit, and four-digit SIC industry for the nation as a whole.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Jeanette F. Stivers
Census Representative to FPA

WHOLESALE TRADE

I. Summary Identification

Ready Categories:	WCE/WCB
Currency:	1963
Resource Records:	132,729
Classification:	UNCLASSIFIED, CENSUS CONFIDENTIAL

II. Source and Coverage of Data

Data were extracted from the 1963 Economic Census. Coverage includes all wholesale establishments including public warehouses. Agents, sales offices, and brokers are excluded since they are unlikely to have significant inventories. There are no current plans to update this file.

As in the case of the other Economic Census files, individual establishment data fields in the regular use version of the file have been randomly factored or "adjusted" to guard summaries against disclosure of individual company operations. Nearly 292,000 wholesale establishments in the U.S. including Alaska and Hawaii are covered in this file. By combining establishment records in the same kind of business and standard location area, the number of actual records in the file has been reduced to approximately 133,000.

III. Quantitative Data

The following quantitative data are included:

- Total sales in thousands of dollars
- Beginning inventory in thousands of dollars
- Ending inventory in thousands of dollars
- Total employment
- Refrigerated storage space in thousands of cubic feet
- Floor space, other than refrigerated, in thousands of square feet

- Liquid petroleum gas storage in thousands of gallons for wholesale establishments; bulk liquid storage in thousands of gallons for warehouses
- Other bulk liquid petroleum storage in thousands of gallons for wholesale establishments only

IV. Categories Based on File

Complete File. Two versions of the Wholesale Trade file are maintained, one for general use—category WCE and one for emergency use—category WCB. As noted above, preparation of the basic file involved the aggregation of establishment records with the same kind of business and SLA codes. The latter step reduced the number of individual data records while retaining all the geographic detail acquired from Census. Category WCB which contains "unadjusted" data is limited to emergency use and is included in the emergency package. Category WCE is not included in the emergency package.

Partial File. Although there are currently no partial files, efficient samples are selected for various analytical purposes. The emergency package version of category WCB is a 10 percent random sample of the complete file of 132,729 records.

V. Types of Computations Normally Prepared

Point Analyses are not prepared because of the sheer volume of such a printout, the aggregative nature of the input records, and because individual wholesale records are Census Confidential and can not be made available.

Summary Analyses are normally prepared for all wholesalers and by two-, three-, and four-digit kind of business code for the nation as a whole.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Jeanette F. Stivers
Census Representative to FPA

RETAIL TRADE

I. Summary Identification

Ready Categories:	RCE/RCB
Currency:	1963
Resource Records:	326,525
Classification:	UNCLASSIFIED, CENSUS CONFIDENTIAL

II. Source and Coverage of Data

Data were extracted from the 1963 Economic Census. All retail establishments within the United States with two or more employees were selected for this file. There are no current plans to update this file. To guard summary results against disclosure of individual company operations, each establishment's data fields in the regular use version of the file have been randomly factored or "adjusted." An "unadjusted" or pure version of the file is retained for possible use in case of actual nuclear attack.

III. Quantitative Data

Two measures of activity are available for retail establishments. They are:

- Total sales in thousands of dollars
- Total employment

IV. Categories Based on File

Complete File. Two versions of the Retail Trade file are maintained, one for general use—category RCE and one for emergency use—category RCB. The basic file has been prepared in such a manner that all the geographic detail acquired from Census has been retained while the number of records have been sharply reduced. This has been accomplished by aggregating records with the same kind of business and SLA codes. This step reduced the number of records from over 900,000 to approximately 325,000.

Partial File. Although there are currently no partial files, efficient samples are selected for various analytical purposes. A 5 percent random sample of category RCB is included in the emergency package. Category RCE is not included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are not prepared because of the tremendous volume of output associated with a point analysis, the aggregative nature of the input records, and because individual retail establishment records are Census Confidential.

Summary Analyses are normally prepared for all retail trade establishments and for two-, three-, and four-digit kind of business codes, for the nation as a whole.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

Jeanette F. Stivers
Census Representative to FPA

SELECTED SERVICES INDUSTRIES

I. Summary Identification

Ready Categories:	RSE/RSS
Currency:	1963
Resource Points:	92,984
Classification:	UNCLASSIFIED, CENSUS CONFIDENTIAL

II. Source and Coverage of Data

Data were extracted from 1963 Economic Census records. Coverage is limited to those services considered to be of potential post-attack importance. There are no current plans to update this file. Coverage includes establishments with one or more employees in the following kinds of business:

- Hotels, Motels, and Tourist Courts
- Laundries, Laundry Services, Cleaning and Dyeing
- Research, Development and Testing Laboratories
- Automotive Repair Shops
- Electric Repair Shops
- Motion Picture Theaters, except Drive-in

Data fields of the regular use file have been randomly factored or "adjusted" to guard summaries against disclosure of individual company operations. An "unadjusted" or pure version of this file is retained for possible use in case of actual nuclear attack.

III. Quantitative Data

The following data are included:

- Total sales or receipts in thousands of dollars
- Total employment
- Seating capacity (theaters only)
- Number of rooms (hotels and motels only)

IV. Categories Based on File

Complete File. There are two versions of the Selected Services Industries file, one for general use—category RSE and one for emergency use—category RSS. In the preparation of the basic file, records for establishments in the same kind of business and in the same Standard Location Area (establishments are located by SLA) were aggregated. This step preserved all the geographic detail acquired from Census while resulting in a substantial reduction in the number of records in category RSE.

Partial File. Although there are no current partial files, efficient samples are selected for various analytical purposes. A 10 percent random sample of category RSS is included in the emergency package. Category RSE is not included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared because of the sheer volume of detail, the aggregative nature of the input records, and because of Census Confidentiality restrictions.

Summary Analyses are normally prepared for each of the selected kinds of businesses identified above in section II for the nation as a whole.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

Jeanette F. Stivers
Census Representative to FPA

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARIES

I. Summary Identification

Ready Categories:	NCE/NCO
Currency:	1963
Resource Records:	6,103
Classification:	UNCLASSIFIED, CENSUS CONFIDENTIAL

II. Source and Coverage of Data

Data were extracted from the 1963 Economic Census. All manufacturing, wholesale, retail and selected service industry, central administrative offices, and auxiliaries reporting 1963 inventories are covered in this file. Individual establishment data of the regular use file have been randomly factored or "adjusted" to guard summaries against disclosure of individual company operations. An "unadjusted" or pure version of the file is retained for use in case of actual nuclear attack.

III. Quantitative Data

The following data are included:

- Total employment
- Beginning inventory in thousands of dollars
- Ending inventory in thousands of dollars

IV. Categories Based on File

Complete File. Two versions of the Central Office file are maintained, one for general use--category NCE and one for emergency use--category NCO. At present, neither category NCE or NCO are included in the emergency package.

Partial File. There are no partial versions of this file.

V. Types of Computations Normally Prepared

Point Analyses are not normally prepared because individual office records are Census Confidential and cannot be made available in normal operations.

Summary Analyses are normally prepared for all offices and offices by two digit SIC industry for the nation as a whole.

Special Analyses are not prepared.

VI. Agency Contact Regarding Data

Jeanette F. Stivers
Census Representative to FPA

FEDERAL CIVILIAN EMPLOYMENT

I. Summary Identification

Ready Category:	LFG
Currency:	1971
Resource Records:	2,938
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This is a special manpower file, sequenced by uniform federal region, state, and area, but not structured in the Ready format. The data in this file consists of Federal Civilian Employees by federal departments, agencies, commissions, administrations, authorities, and boards. These data were prepared by the U.S. Civil Service Commission. Data as of December 1974 are expected to be available soon.

III. Quantitative Data

This file covers personnel strength for each of the various federal, executive and legislative agencies identified below:

- Total
- Total Executive Branch
- General Accounting Office
- Government Printing Office
- Library of Congress
- Judicial Branch
- Office of Emergency Preparedness
- State
- Treasury
- Air Force
- Army
- Navy
- Other Defense
- Justice
- Interior
- Agriculture
- Commerce
- Transportation
- Atomic Energy Commission
- Federal Reserve Board
- Canal Zone
- Civil Service Commission
- Environmental Protection Agency
- Federal Deposit Insurance Corporation
- Federal Trade Commission
- General Services Administration
- United States Information Agency
- National Aeronautics and Space Administration
- Panama Canal Company
- Securities and Exchange Commission
- Selective Service System
- Small Business Administration
- Smithsonian Institution
- Tennessee Valley Authority

- Labor
- Health, Education, and Welfare
- Housing and Urban Development
- Postal Service
- Veterans Administration

IV. Categories Based on File

Complete File. Only one category, LFG, is based on this file. Category LFG is included in the emergency package.

Partial File. No categories are based on portions of this file.

V. Types of Computations Normally Prepared

This file is used in a special Manpower Program showing "able-bodied survivors" of the Federal Civil Service, by post-attack time period, at national, regional, and state levels. Estimates of survivors are based on small area population effects. Standard Ready point or summary analyses are not applicable to these data and are not prepared.

VI. Agency Contact Regarding Data

Dr. Phillip A. D. Schneider
U. S. Civil Service Commission

FEDERAL RESERVE SYSTEM

I. Summary Identification

Ready Category:	FRB
Currency:	1974
Resource Points:	864
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers the Federal Reserve System, including the 12 Federal Reserve Banks, 24 Federal Reserve Branches, Federal Reserve Bank relocation sites, and the emergency agent commercial banks in each Federal Reserve District.

III. Quantitative Data

No quantitative data are carried in this file.

IV. Categories Based on File

Complete File. One category, FRB, is based on this file. Category FRB is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared from this file and are sequenced by Federal Reserve District, type of bank, uniform federal region, and state.

Summary Analyses require about eight pages and are normally bank facilities sequenced by U.S. total, Federal Reserve Districts, type of bank within district, and by uniform federal region.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Gordon Grimwood
Federal Reserve Board

COMMERCIAL BANKS

I. Summary Identification

Ready Category:	FCB
Currency:	June 30, 1975
Resource Points:	14,960
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file covers the commercial banking system of the United States including national, state and mutual savings banks. This file covers commercial bank central offices only. Branch commercial banks are covered in a separate file (see page 167). Data were assembled by the Federal Reserve Board Division of Data Processing in connection with normal commercial bank reporting.

III. Quantitative Data

The following quantitative data (in tens of millions of dollars) are provided:

- Total Bank Deposits
- Vault Cash

NOTE: Branch bank deposits are covered in a separate file (category FBB).

IV. Categories Based on File

Complete File. Category FCB is based on this file and is included in the emergency package.

Partial File. None

V. Types of Computations Normally Prepared

Point Analyses are prepared and are sequenced by Federal Reserve District, and geographic area. About 250 pages are required to print the point analyses output.

Summary Analyses are normally prepared for U.S., Federal Reserve Districts, uniform federal regions and states. Summaries require approximately 15 pages.

VI. Agency Contact Regarding Data

Gordon Grimwood
Federal Reserve Board

COMMERCIAL BANK BRANCHES

I. Summary Identification

Ready Category:	FBB
Currency:	1975
Resource Records:	10,052
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file is comprised of a sample of 10,052 branches of major banks. It accounts for 45 percent of all branch offices operating in 1975.

III. Quantitative Data

Only one data entry is included:

- Demand deposits in millions of dollars

IV. Categories Based on File

Complete File. One category, FBB, is based on this file. Category FBB is not included in the emergency package.

Partial File. None.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by state and parent bank.

Summary Analyses are prepared providing national and state totals.

VI. Agency Contact Regarding Data

Gordon Grimwood
Federal Reserve Board

SAVINGS AND LOAN ASSOCIATIONS

I. Summary Identification

Ready Category:	FSL
Currency:	1969
Resource Records:	4,746
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

Input data were collected by the Division of Administrative Services of the Federal Home Loan Bank Board directly from the savings and loan associations concerned. This was effected by means of questionnaires sent to each of 4,746 associations at the beginning of calendar year 1969. The 4,746 savings and loan association members of the Federal Home Loan Bank System covered in this file represent 99 percent of the membership and more than 80 percent of all operating associations in the Continental United States.

III. Quantitative Data

The following quantitative measures of activity are covered:

- Amount of cash on hand and in banks, in thousands of dollars
- Amount of U.S. Government obligations, in thousands of dollars
- Amount of savings capital, in tens of thousands of dollars
- Number of savings accounts
- Amount of mortgages held, in tens of thousands of dollars

IV. Categories Based on File

Complete File. Only one category, FSL, is based on this file. Category FSL is included in the emergency package.

Partial File. None.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by Federal Home Loan Bank District, insurance status, and geographic area.

Summary Analyses are prepared for the U.S., bank districts, insurance status, uniform federal region, and state.

VI. Agency Contact Regarding Data

Robert J. Gilbert
Administrative and Methods Division
Federal Home Loan Bank Board

HEALTH MANPOWER

I. Summary Identification

Ready Category:	HMD
Currency:	1971 Physicians; 1966-69 Others
Resource Records:	28,996
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data for this category were assembled by the Public Health Service (PHS) and cover Physicians (Medical Doctors, Doctors of Osteopathy), Dentists, Veterinarians, Nurses, Pharmacists, Optometrists, and Podiatrists. Data are in city and, where available, post office ZIP code geographic detail. Data for the above professional groups were obtained in 1966 and 1971 as follows:

The American Medical Association (AMA) and the American Osteopath Association (AOA) furnished the Public Health Service (PHS) with magnetic tapes containing the names and addresses of all physicians (1971).

PHS extracted data on dentists from the Directory of the American Dental Association (ADA) (1968).

Data on veterinarians were extracted from EAM cards furnished by the American Veterinary Medicine Association (AVMA) and the Directory of the AVMA (1968).

Data for professional nurses were assembled through the cooperative efforts of PHS, the American Nurses Association (ANA) and the State Nurses Licensing Boards (1966/67).

The collection of data on pharmacists was a cooperative project of PHS, American Pharmaceutical Association (APHA) and the National Association of Boards of Pharmacy. The latter actually assembled the basic data for PHS (1966).

III. Quantitative Data

The following data are covered:

- Physicians
- Osteopaths
- Dentists
- Registered Nurses
- Optometrists
- Pharmacists
- Podiatrists
- Veterinarians
- Licensed Practical Nurses

IV. Categories Based on File

Category HMD is based on this file. HMD covers the entire file and is available in its complete detail or in sample form. Category HMD in both complete detail and sample form is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are not prepared.

Summary Casualty Analyses normally are prepared for the U.S. as a whole, uniform federal regions, states, and areas. Summaries based on the current sampled version of category HMD are limited to the U.S. and uniform federal regions. About 149 pages are expected to be required for the normal casualty analysis.

Special Supply Requirements Analyses are prepared using category HMD to determine the adequacy of the available supply of medical manpower.

VI. Agency Contact Regarding Data

George E. Russell
Division of Emergency Coordination
Department of Health, Education and Welfare

MEDICAL CARE FACILITIES

I. Summary Identification

Ready Category:	HHH
Currency:	1971
Resource Points:	8,184
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

These data were assembled by DHEW and cover all long and short term medical care facilities recognized by the American Hospital Association plus Packaged Disaster Hospitals (PDH) in the 50 states, Puerto Rico and the Virgin Islands. Packaged Disaster Hospital data and other medical care facility data are as of 1971.

III. Quantitative Data

The following operational data are included:

- Rated total bed capacity
- Average daily census
- Total personnel
- Full-time employees
- Part-time employees

IV. Categories Based on File

Category HHH is based on this file. HHH covers the entire file and is available either in its complete detail or in sample form. Category HHH in both complete detail and sample form are included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses can be prepared by type of medical care facility (hospital–short term, long term and packaged disaster hospitals), uniform federal region, and state.

Summary Analyses are normally prepared for the U.S., type of medical care facility, uniform federal region, and state. Summaries based on the current sampled version of category HHH are limited to regional detail.

Special Supply Requirements Analyses are prepared to determine surplus and deficit areas for medical care facilities.

VI. Agency Contact Regarding Data

George E. Russell
Division of Emergency Coordination
Department of Health, Education and Welfare

VETERANS ADMINISTRATION FACILITIES

I. Summary Identification

Ready Category:	HHV
Currency:	December 1973
Resource Records:	245
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file, obtained from VA statistical records, cover major facilities of the Veterans Administration. They include: Central Office; Hospitals and Domiciliaries; Outpatient Clinics; Veterans Benefits Facilities; Insurance Centers; Data Processing Centers, and Supply Depots.

III. Quantitative Data

The file covers the following data items:

- Bed capacity (bed capacity under limited mobilization)
- Maximum bed capacity (bed capacity under all-out war)
- Total full-time personnel
- Doctors and Dentists
- Nurses
- Shelter spaces with protection factor over 40

IV. Categories Based on File

Complete File. Category HHV is based on this file. Category HHV is included in the emergency package.

Partial File. No categories are based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses require approximately 20 pages, and are sequenced by facility function, uniform federal region, and state.

Summary Analyses are prepared by the nation, type facility, and uniform federal region.

VI. Agency Contact Regarding Data

J. C. Larson
Veterans Administration

STATE AND LOCAL HEALTH DEPARTMENTS AND CLINICS

I. Summary Identification

Ready Category:	HDC
Currency:	1962
Resource Records:	1,782
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

These data were compiled by the Public Health Service (PHS), of the Department of Health, Education, and Welfare, from information obtained from the various state and local health departments.

III. Quantitative Data

The following data are covered:

- Total personnel
- Number of physicians
- Number of nurses
- Number of dentists and veterinarians
- Number of sanitary engineers and sanitarians
- Number of laboratory workers.

IV. Categories Based on File

Only one category, HDC, is based on this file. HDC covers the entire file and is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are normally prepared for category HDC, sequenced by kind of office, uniform federal region, and state. Point analyses require approximately 200 pages.

Summary Analyses. Summaries normally will be prepared for totals as follows: national; type of office; uniform federal region; and state. About 135 pages are required for this printout.

VI. Agency Contact Regarding Data

George E. Russell
Division of Emergency Coordination
Department of Health, Education and Welfare

WATER SYSTEMS, LARGE

I. Summary Identification

Ready Category:	HWL
Currency:	1962-1963
Resource Records:	13,029
Classification:	CONFIDENTIAL

II. Source and Coverage of Data

These data were prepared by the Public Health Service, Department of Health, Education and Welfare. Surveys were made in 355 cities by engineers of the PHS. This file contains data for water systems serving populations in excess of 50,000 persons. Information of systems serving less than 50,000 persons is maintained in a separate file (see page 181).

Approximately 13,000 facilities are included from the 355 water systems surveyed. The facilities include all critical elements of the water systems, such as impounding reserviors, dams, diversion dams, intake towers, river crossings, exposed supply mains, treatment plants, distribution pumping stations, distribution storage reserviors, etc. The number of people supplied by these systems is estimated to be about 92,000,000.

In conjunction with these data, there has been prepared a parallel classified document which shows and describes in detail the pertinent elements of each of the water systems for use in damage assessment analyses. These documents can be obtained only from the PHS. Agency responsibility for this file now resides with the Environmental Protection Agency.

III. Quantitative Data

The following operational data are provided:

- Supply impoundments in millions of gallons
- Supply flow in hundreds of thousands of gallons daily
- Supply pumping in hundreds of thousands of gallons daily
- Treatment in hundreds of thousands of gallons daily

- Distribution storage in hundreds of thousands of gallons
- Distribution pumping and flow in tens of thousands of gallons daily

IV. Categories Based on File

Only one category, HWL, is based on this file. HWL covers the entire file and is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are normally prepared, sequenced by uniform federal region, state, system and part of system. A point analysis produces approximately 1,500 pages of output.

Summary Analyses are normally prepared providing totals for the U.S.; uniform federal regions; states; and water systems within states. About 240 pages are required for a summary analysis.

Note: Although the detail in this file is classified as CONFIDENTIAL, summary totals that do not identify individual facilities and their locations are considered to be UNCLASSIFIED. Thus, point analyses are CONFIDENTIAL while summary analyses are UNCLASSIFIED.

VI. Agency Contact Regarding Data

Jack Verrell
Environmental Protection Agency

WATER SYSTEMS, SMALL

I. Summary Identification

Ready Category:	HWS
Currency:	1962
Resource Records:	15,216
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

These data were compiled by the Public Health Service from information obtained through the cooperation of state health departments and local water works officials. The data included in this file were taken from basic data used for developing the published 1962 document titled, "Municipal Water Facilities Inventory." This category covers the community water systems serving populations of less than 50,000 persons. Water systems serving 50,000 or more persons are covered in a separate file which is described on page 179. Agency responsibility for coverage and updating of this file now resides with the Environmental Protection Agency.

This file covers 15,216 water supply systems serving an estimated 69.5 million persons.

III. Quantitative Data

Data Fields are as follows:

- Total population served by the system (surface & ground systems)
- Population served by surface water systems
- Capacity of surface water systems in 1,000 gallons daily rated plant capacity
- Population served by ground water systems
- Capacity of the ground water system in 1,000 gallons daily
- Total population in 100's of persons of the named community inside it's corporate limits

IV. Categories Based on File

Only one category, HWS, is based on this file. HWS covers the entire file and is included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are prepared and sequenced by uniform federal region, and state.

Summary Analyses will be prepared for totals as follows: U.S.; uniform federal regions; and states. About 40 pages are expected to be required for the printout.

VI. Agency Contact Regarding Data

Jack Verrell
Environmental Protection Agency

POPULATION AND HOUSING

I. Summary Identification

Ready Categories:	PPB,PPH,PPA
Currency:	1970
Resource Points:	PPB - Approximately 65,000
	PPH - Approximately 42,500
	PPA - Approximately 29,000
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The data in this file have two sources. First, the information on total population and housing in terms of both units and numbers of rooms were extracted from the 1970 Decennial Census first count tally tapes and aggregated by tracts and other small areas for FPA by the Defense Civil Preparedness Agency (DCPA). Second, data on land and water areas were acquired through the Standard Location Area Measurement (SLAM) project coordinated by the Census representative to FPA. Provisions have been made to incorporate the projections of population and housing data by year from 1972 to 1983 made by the Bureau of the Census for the Command and Control Technical Center into this file. A special intermediate file is maintained containing selected 1970 population and housing data items from the Census first count tapes. (See Introduction Section IV A)

III. Quantitative Data

The following data are included in the active Ready file:

- Number of persons
- Number of housing units
- Number of rooms
- Land area in tenths of square miles (PPH and PPA only)
- Water area in tenths of square miles (PPH and PPA only)
- Population density in persons per square mile of land (PPH and PPA only)
- Residential Population in persons after evacuation

IV. Categories Based on File

Three categories are based on this file. The categories differ only in the amount of geographic detail. The most geographically detailed file, category PPB, is in the tract, place and minor civil division detail in which DCPA extracted selected data for FPA use from the Bureau of Census first count tally tapes. The second category, PPH, is in 1960 SLA detail. Category PPA provides the least geographic detail. The SLA's in the 1960 National Location Code (and the geographic detail of category PPH) were aggregated manually by FPA staff. In the aggregation, small SLA's (usually those based on Census tracts in urban areas) were combined into somewhat larger areas. The larger areas generally can be circumscribed by a circle with a radius of usually less than a mile.

Sample versions of category PPH are available to further reduce computation requirements in producing rapid casualty estimates. Both the complete and sampled versions of category PPH are included in the emergency package.

V. Types of Computations Normally Prepared

Point Analyses are not prepared for categories based on this file. Not only does the number of points make a point listing impracticable, but casualty estimates at the point level of detail are unrealiable.

Summary Analyses are prepared for each category and require about 220 pages. Casualties are shown for the U.S., and by uniform federal region, states, and area. Sample versions of category PPA are generally limited to summaries at the state level.

Special Supply Requirements Analyses are prepared to show the adequacy of post-attack housing and medical care.

VI. Agency Contact Regarding Data

Jeanette F. Stivers
Census Representative to FPA

MINES AND CAVES FOR DEFENSE MOBILIZATION USE

I. Summary Identification

Ready Category:	PHC
Currency:	1946-1958
Resource Points:	316
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

The information concerning mines was obtained from a survey made for the Corps of Engineers initially in 1946 and updated through 1958. The information concerning caves was obtained from state geological reports. The dates of the state reports varied.

The types of mines found to be suitable as groups were gypsum, lead, zinc, limestone, marble, salt and sandstone. Other individual mines not representative of a group and found to be suitable for post-attack industrial occupation were listed. Coal mines were found to be unsuitable because of low and unstable ceilings and the hazard of duct and gas explosions.

The North-East Quadrangle contains about two-thirds of the 316 caves and mines included in this list.

III. Quantitative Data

The following data are available:

- Square feet of floor area in thousands of feet
- Number of shaft entrances
- Number of drift entrances.

IV. Categories Based on File

Complete File. Category PHC covers the complete file. It is not included in the emergency package.

Partial File. There are no categories based on portions of this file.

V. Types of Computations Normally Prepared

Point Analyses are prepared, require about 30 pages for the printout, and are sequenced by uniform federal region, and state.

Summary Analyses are normally prepared for the U.S., uniform federal regions, and states. About eight pages are required for the printout.

VI. Agency Contact Regarding Data

John A. Bartyczak
Information Analysis Division
Mathematics and Computation Laboratory
Federal Preparedness Agency

FEDERAL INVENTORIES OF STRATEGIC AND CRITICAL MATERIALS

I. Summary Identification

Ready Category:	WSS
Currency:	December 31, 1974
Resource Points:	1,240
Classification:	SECRET

II. Source and Coverage of Data

This file covers all specification grade strategic materials in the National Stockpile, Supplemental Stockpile, Defense Production Act and Commodity Credit Corporation inventories maintained by the General Services Administration within the U.S.

Inventory records are maintained by GSA on magnetic tape. A copy of the tape is furnished annually to FPA/MCL for incorporation into the resource data base.

Data on GSA held inventories consist of material name, storage location, location coordinates, material vulnerability code, and the quantity of specification grade material.

The coverage includes about 125 different materials at about 100 storage locations. The 1,240 items represent a consolidation of over 100,000 detail line items on the original management tape. The 100,000 line item record identifies each "lot" of material chemically, physically, by source, container and account. For damage assessment purposes only the sum of all materials meeting specifications is needed since all material of each type reacts similarly to weapons effect.

In addition to the materials inventory, the file also includes a special listing of the storage locations without reference to their content. This additional listing identifies the post-attack structural environment at each stockpile storage depot irrespective of the computed survival of the materials.

III. Quantitative Data

Only one quantitative data entry is used:

- Material Inventory (Unit of Measure varies depending on material)

IV. Categories Based on File

Complete File. Only one category, WSS, is based on this file. The file is sequenced alphabetically by name of material. Category WSS is included in the emergency package.

Partial File. There are no categories based on portions of this file. The storage locations, however, listed at the end of this resource category, may also appear in other listings of government facilities or military installations. The strategic stockpiles are stored at many different types of locations, and different agencies in many cases have primary control of facility operations, since the strategic material storage activities may be only a part of the overall depot operation. For example, many strategic materials are stored at military depots and some of the valuable metals, like platinum, are stored at Bureau of the Mint vaults.

V. Types of Computations Normally Prepared

Point Analyses are prepared sequenced by basic material identification and by material subclassification.

Summary Analyses are prepared with totals provided for each basic material.

Special Analyses are not normally prepared.

VI. Agency Contact Regarding Data

Harold J. McCoy
GSA Emergency Damage Assessment Officer
General Services Administration

CIVIL DEFENSE DISTRIBUTION WAREHOUSES

I. Summary Identification

Ready Category:	WCD
Currency:	January 1976
Resource Points:	13
Classification:	UNCLASSIFIED

II. Source and Coverage of Data

This file provides information on all the civil defense distribution warehouses in the United States.

The location of each warehouse is identified by post office Zip code, DCPA regional code, FIPS state and county codes, and a census city code. Material for this category was provided by the Defense Civil Preparedness Agency.

III. Quantitative Data

The data records in this file contain no quantitative data. Only one data field is used:

- Stock of electrical power and water equipment

IV. Categories Based on File

One category, WCD, is based on this file. The file is sequenced by DCPA region, FIPS state, and county. Category WCD is not included in the emergency package.

V. Types of Computations Normally Prepared

Point Printouts are prepared sequenced by DCPA region, FIPS state and county.

Summary Analyses are prepared for the U.S. and regions.

VI. Agency Contact Regarding Data

Louis Schwalb
Data Development Officer
Defense Civil Preparedness Agency