



**US Army Corps  
of Engineers**  
Water Resources  
Support Center

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# Navigation Data Center

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## User's Guide





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U.S. Army Corps of Engineers  
Water Resources Support Center  
Navigation Data Center  
7701 Telegraph Road, Casey Bldg.  
Alexandria, VA 22315-3868

## PREFACE

The Water Resources Support Center's Navigation Data Center (NDC) is responsible for establishing and maintaining a variety of navigation-oriented databases. These include databases of waterborne commerce, domestic commercial vessels, port facilities, lock facilities, lock operations, and navigation dredging projects. The NDC's main office in Alexandria, Virginia, houses all but the waterborne commerce and vessels databases. These databases are operated and maintained by the NDC's Waterborne Commerce Statistics Center in New Orleans, Louisiana.

Information from the NDC databases is available to government agencies, private organizations and individuals. For those users from the Corps of Engineers and other federal agencies with direct access to the NDC databases, a supplemental guidebook, the *Federal Guide to Navigation Data*, is available upon request.

**NDC USER'S GUIDE  
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**User's Guide  
for Information Available  
from the U.S. Army Corps of Engineers, Navigation  
Data Center**

**INTRODUCTION**

This manual is designed to 1) acquaint the reader with the types of data available from the Navigation Data Center (NDC); 2) explain the various ways to access these data; and 3) provide some background on why these data are collected and how they apply to the Corps decision-making process.

This manual will assist both those who require immediate data access and those whose data needs are geared to long-term trend analyses. Operations personnel will find the data helpful in managing lock and dredging operations, while regulators can rely on current and archived port facility information and vessel activity. Managers and executives, when setting project maintenance priorities, will find the annual waterborne statistics a valuable source for commerce and vessel activity on Corps-maintained channels. Planners and policy makers preparing long-term investment programs will base their decisions on historical commerce, vessel, port, and lock activity, as well as port and terminal development. NDC data contain these current and historical facts.

**Navigation Data**

The NDC data collection and dissemination efforts encompass all the commercially navigable waterways of the United States. The NDC's data bank includes commodity tonnages, ton-mile statistics, number of passengers, specifics of vessel movements and lockages; descriptions relating to the various physical and operational characteristics of commercial port facilities, locks, vessels, and waterways; and performance data relating to the Corps' dredging projects. The sources of these data include monthly reporting from more than 1,500 vessel operating companies, lockage and dredging statistics from Corps' personnel at locks and district offices, and commercial port and terminal characteristics from on-site surveys conducted by NDC engineers. NDC is legally empowered to ensure that tonnage data are reported by vessel operating companies.

Navigation information from the NDC's data bank consists of the following data

## ***Introduction***

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sets: the Waterborne Commerce Statistics and Vessel Characteristics, the Ports and Waterways Facilities, the Dredging Information System (DIS), the Lock Performance Monitoring System (LPMS), and Lock Characteristics. Navigation information is available in printed reports, thematic maps, CD-ROM, electronic data transfer, and special requests. Online computer access is available to the public through the NDC's Web Site and to Corps users through the LPMS and WCSC information systems.

NDC management activities include development of national navigation data base concept, design, implementation, operation, and maintenance. With accuracy and timeliness as priorities, NDC has integrated and standardized the data bases for increased operating efficiency, quality control, and enhanced user products.

Through relational data bases created and maintained in-house, NDC compiles customized reports as required. NDC regularly publishes the *Port Series Report* (56 volumes on a rotational basis); the *Waterborne Commerce Statistics* (reports compiled annually); the *Waterborne Transportation Lines of the United State* (compiled annually); the *Key Lock Report* (compiled monthly); the *Summary of Lock Statistics* (compiled annually); and the *Corps of Engineers Dredging Program: Advertising Schedule and Contracts Awarded* (compiled monthly).

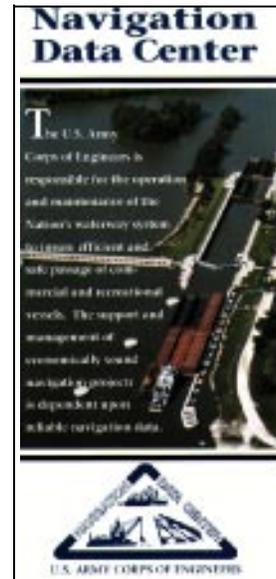
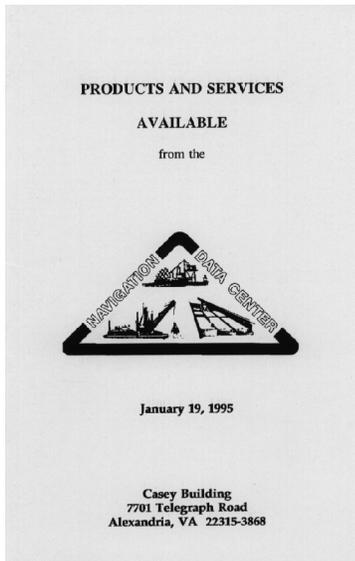
### **Proprietary Constraints**

Certain tonnage data collected by NDC are considered to be proprietary and therefore are not available to the general public. This restriction protects reporting companies from unfair competitive advantage. All Corps and Federal users must comply with the Trade Secrets Act (Title 18, U.S. Code Chapter 93, Section 1905), which states in part "Whoever...discloses...information which concerns...operations...(or) confidential statistical data...of any person, firm, corporation or association...shall be fined not more than \$1,000 or imprisoned not more than one year or both, and shall be removed from office or employment." Any Corps of Engineers employee, or other Federal agency employee who receives confidential data from NDC, is subject to this restriction. Confidentiality is governed by the "Rule of Three", which states that there must be at least three vessel operating companies moving a particular commodity from an area of origin to an area of destination for those data to be released publicly. When there is a question as to the proprietary constraint on, or confidentiality of, any data provided, contact David Penick, Director, WCSC at (504) 862-1423, E-mail: david.penick@usace.army.mil or David Lichy, Program Manager, LPMS at (703) 428-9052, E-mail:david.lichy@usace.army.mil.

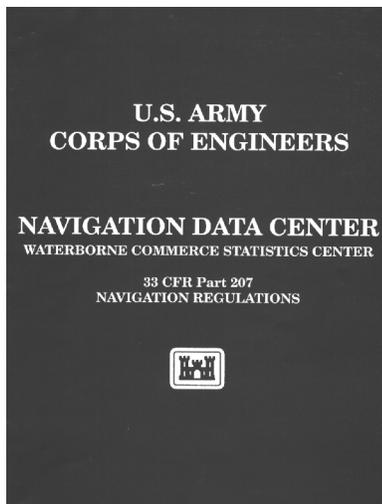
## General Information

The NDC executive office produces a variety of informative publications.

The *Navigation Data Center* brochure provides an overview of NDC products and capabilities.



A pamphlet, *Products and Services Available*, provides a listing of all NDC publications.



The *Waterborne Commerce Statistics Center* brochure provides a brief description of the purpose, legal authority, types of data, policy, and products of the WCSC.



The *U.S. Army Corps of Engineers, Navigation Data Center Waterborne Commerce Statistics Center, 33 CFR Part 207, Navigation Regulations* is a copy of the regulation as it appears in the Federal Register.

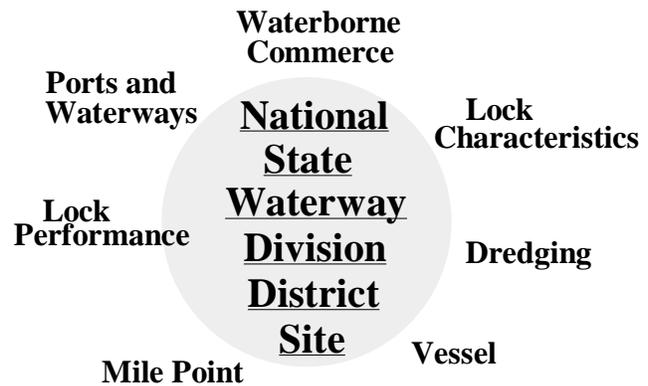
## Points of Contact

Navigation Data Center Arlene Dietz, Director	Telephone: (703) 428-9061 FAX: (703) 428-6047 E-mail: arlene.l.dietz@usace.army.mil	Department of the Army Navigation Data Center 7701 Telegraph Rd., Casey Bldg. Alexandria, VA 22315-3868
Waterborne Commerce Statistics Center Peggy Galliano	Telephone: (504) 862-1424 FAX: (504) 862-1423 E-mail: david.penick@usace.army.mil	Quality Control, Products and Services Office Waterborne Commerce Statistics Center US Army Corps of Engineers PO Box 61280 New Orleans, LA 70161-1280
Ports and Waterways Division Virginia Pankow, Chief	Telephone: (703) 428-9047 FAX: (703) 428-6047 E-mail: virginia.r.pankowr@usace.army.mil	Department of the Army Navigation Data Center 7701 Telegraph Rd., Casey Bldg. Alexandria, VA 22315-3868
Dredging Statistics Program Virginia Pankow, Manager	Telephone: (703) 428-9047 FAX: (703) 428-6047 E-mail: virginia.r.pankow@usace.army.mil	Department of the Army Navigation Data Center 7701 Telegraph Rd., Casey Bldg. Alexandria, VA 22315-3868
Lock Performance Monitoring System and Lock Characteristics David Lichy, Manager	Telephone: (703)428-9052 FAX: (703) 428-6047 E-mail: david.e.lichy@usace.army.mil	Department of the Army Navigation Data Center 7701 Telegraph Rd., Casey Bldg. Alexandria, VA 22315-3868



## INTEGRATED NAVIGATION INFORMATION

Integrated Navigation Information is the result of combining data from any of the NDC information systems on the basis of a common geographic location. This location could be a particular point on a waterway, the entire Nation, a stretch of river, a State, a congressional district, one of the Corps Divisions or Districts, or any other geographic location related to navigation. Using the latest technology, NDC offers many ways to access these integrated data, including the Executive Work Station (EWS), the NDC Web site on the Internet, and Geographic Information System (GIS) applications.



**Executive Work Station.** The EWS is NDC's information server. It consists of a relational data base of summarized data from each of NDC's information systems. Data are organized geographically and summarized at the lowest level by location such as a dredging contract site, lock chamber, or port facility.

NDC personnel access the EWS to provide executive decision support, in-house quality control, high-volume data transfers, data base maintenance, and answers to customer requests. NDC uses data from the EWS for quality control to check cargo movements by comparing port facility with WCSC information to detect which port facilities are actively shipping/receiving cargo. Data from the EWS are the primary source for the NDC GIS. Lock Characteristics and Lock Performance information is exported from the EWS and are used in publishing the *Lock Performance Monitoring System Summary*

## ***Integrated Navigation Information***

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*of Lock Statistics Report.* Many customers use integrated data from the EWS to gain a wider perspective of the total navigation system.

The types of data on the EWS and frequency of updates are described below:

- **Waterborne commerce data.** Summary of tons and ton-miles from the WCSC by commodity at each Corps-owned and operated lock site. These data are updated annually.
- **Port facility data.** Subset of the PWD data base containing physical and intermodal (infrastructure) characteristics of U.S. ports. Ports information is updated periodically as port surveys are completed.
- **Dredging statistics data.** Subset of the DIS containing information about all awarded dredging contracts for each complete fiscal year back to 1990. Data are added at the end of each fiscal year.
- **Lock performance and usage data.** By direction (upstream or downstream) at each Corps-owned and/or Corps-operated lock chamber, a summary of number of vessels, barges, lockages, and hardware operations; delay time, processing time, and lock unavailability time; and tonnages and number of barges by commodity. Data are summarized annually back ten years and monthly for the 3 most current years. New monthly summaries are added approximately 45 days after the end of each month.
- **Lock characteristics data.** Location, physical characteristics, site information, site characteristics, historical change and Corps management information. Data are updated on the basis of a survey by NDC engineers or notification from Districts.

Data are available from the EWS in most standard file formats (e.g., ASCII comma delimited) and in customized reports, spreadsheets, charts, or graphs. For further information about obtaining data from the EWS, contact Bob Baldwin at (703) 428-8047, E-mail: robert.baldwin@usace.army.mil.

**Internet Web Site.** NDC's Web Site is the information server for navigation data, monthly summary statistics, internal tonnage estimates and indicators and new navigation data products. The internet address is <http://www.wrsc.usace.army.mil/ndc> See Below for more information.

(this section is being updated)

**Geographic Information System Applications.** A geographic information system (GIS) at NDC uses data from the EWS and specific NDC data sources to build an integrated navigation application. This GIS can produce thematic maps that display the integrated information based on the user's selection of geographic data layers.

NDC has incorporated latitude/longitude information into its central data base to facilitate more precise plotting of specific geographic points on the waterways. Locations can be depicted as points (e.g. a dock), as lines (e.g. a road or waterway), as areas (e.g. entire states), or as networks and combinations of the above. When translated into the current NDC information systems, LPMS, Lock Characteristics, Port and Waterway Facilities, and Dredging data can be represented as specific points; WCSC's State and waterway information as map displays; its waterway data as line depictions; and its locks as points. For more information about GIS applications contact Michael Myers at (703) 428-8063, E-mail: [michael.myers@usace.army.mil](mailto:michael.myers@usace.army.mil).

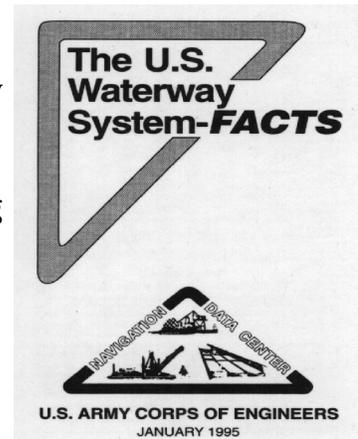
**Internet - World Wide Web Home Page.** NDC's Home Page is available to all World Wide Web users on the Internet at <http://www.wrsc.usace.army.mil/ndc>. Visitors to NDC's Home Page will be able to access the most current navigation information about waterborne commerce, dredging contracts, port facilities, lock characteristics, and lock performance. Links to other related sites are also available.

## ***Integrated Navigation Information***

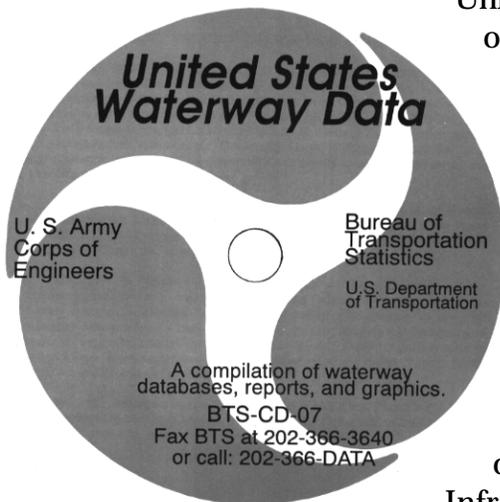
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### **Integrated Products.**

*The U.S. Waterway System--Facts* pamphlet is an annually updated pocket-sized guide to salient facts about the U.S. waterway system. Included is traffic by state, leading U.S. Ports, traffic by commodity, traffic by waterway, U.S. flag vessels and U.S. waterway facilities.



The *United States Waterway Data CD-ROM* is a collection of data from several agencies and institutions, including USACE's NDC, the U.S. Bureau of Census, the U.S. Coast Guard, Oak Ridge National Laboratory and Vanderbilt University. The U.S. Waterway Data CD-ROM is the result



of a coordinated effort between the U.S. Department of Transportation Bureau of Transportation Statistics (BTS), USACE and other contributing agencies, to make waterway data more easily accessible to the public and to user agencies. The U.S. Waterway Data CD-ROM was funded and distributed by BTS. CD-ROM development was a joint effort by the USACE NDC and the Vanderbilt Engineering Center for Transportation Operations and Research (VECTOR). BTS and USACE had several objectives in developing a Waterway Data CD-ROM. The objectives support the concept of a National Spatial Data

Infrastructure (NSDI), which would provide current and reliable data, foster partnerships between data producers and

users, and establish standards for sharing data. These data include by agency:

USACE NDC -

- Waterborne Commerce - State Summary of Commodity Movements; Major U.S. Ports Summary; Principal Ports geographic location and commodity tonnage; Manuscript Cargo Files Parts 1-4; Manuscript Files Summaries: summary of all cargo moves and loaded barge movements; Commodity Code Cross Reference; Public Domain Commodity File; Waterway and Port Codes and Names; State to

State Public Domain Database; Waterway Network Link Commodity Data; Operator Master Vessel File; Vessel Master File.

- Port and Waterways Facilities - Complete port series data base for most recent survey.
- Dredging Statistics Program - Dredging contract data for last 3 Fiscal Years.
- Lock Performance Monitoring System - Vessel and Lockage data summarized monthly for the most recent 5 years.
- Lock Characteristics - Complete data base consisting of physical aspects of each lock chamber built, maintained owned or operated by the USACE.
- Waterway Mile Markers - Contains 10,020 sequential mile positions of navigable inland waterways and the Gulf Intracoastal Waterway.

U.S. Bureau of the Census -

- Cargo Exports
- Cargo Imports
- Vessel Clearance
- Vessel Entrances

U.S. Coast Guard Files -

- Foreign Flag Vessel File
- Fire and Explosions on Vessels
- Allisions, Collisions and Vessel Roundings
- Pollution Incidents from Vessels
- Personal Casualties and Deaths on Vessels
- Fires and Explosions at Facilities
- Allisions, Collisions at Facilities
- Pollution Incidents from Facilities
- Personal Casualties and Deaths at Facilities

Multi-Agency Files -

- National Waterway Network (NWN) - A geographic database of navigable waterways in and around the U.S., for analytical studies of waterway performance, for compiling commodity flow statistics, and for mapping purposes.

Miscellaneous Files -

- BMP Files - Bitmap (BMP) image files created by USACE NDC containing maps of various examples from the spatial databases on the CDROM. To obtain the *U.S. Waterway Data CD-ROM* contact BTS at (202) 366-DATA or NDC at (703) 428-9061.



## NDC DATA BASES

### Waterborne Commerce Statistics Center

**Background.** WCSC, located in New Orleans, primarily collects, processes, distributes, and archives waterborne vessel trip and cargo data. USACE has been systematically collecting information on vessels, tonnage, commodity, origin, and destination from vessel operating companies since 1922. The data are collected under the River and Harbor Act, September 22, 1922 (42 Stat; 1043), as amended, and codified in 33 U.S.C. 555. This statute imposes a \$2,500 civil penalty per violation against any person or entity that fails to provide timely, accurate statistics. Each criminal offense includes a possible 2 months' imprisonment or a \$5,000 fine per offense. The Corps can also refuse to permit lockage of vessels from delinquent reporting vessel operating companies.

Commercial carriers that transport goods and passengers on the navigable waterways of the United States supply the data to WCSC. The Bureau of Census processes foreign data collected by the U.S. Customs Service at the request of the Corps of Engineers and provides the Corps with foreign statistics for the waterways and harbors of the United States. The foreign data are summarized and combined with the domestic data so that the WCSC data base and products reflect the total waterborne traffic picture: foreign and domestic, inland waterways, and coastal and Great Lake ports and channels. WCSC also collects shipper information to support the U.S. Customs Service in collecting harbor maintenance fees (P.L. 99-662).

**Types of Data Collected.** The data collected by WCSC can be grouped into three general categories: domestic data, foreign data, and vessel data. Each category is described in detail below.

**Domestic Data.** Domestic commerce is defined as commerce originating and terminating on waters of the contiguous and non-contiguous States and territories. This definition includes Hawaii, Alaska, the 48 contiguous States, Puerto Rico and the Virgin Islands. (See Appendix 1, Terminology, for a description of the domestic types of traffic.) Most domestic waterborne commercial vessel movements, including ships, towboats, offshore supply vessels, barges, passenger (excursion and ferry) boats and newly constructed vessels, must be reported to the Corps. Excluded are movements of

recreational vessels, fire/police/patrol vessels, dredges, and construction vessels (pile drivers, crane barges, etc.). The forms by which carriers report are ENG Forms 3925 and 3925B, Vessel Operation Report (VOR). (See Appendix 3, Reporting Forms, for a sample copy of the VOR.) Specific types of data collected include vessel name, vessel type, commodity carried, tonnage, origin (port, dock, date departed, draft), destination (port, dock, date arrived, draft), alternate routes, and shipper name and IRS number. These data are encoded into numeric form and loaded into the current year Oracle Detail table, and are supported by descriptive fields in the Master tables, which are included in the Data Dictionary. (Corps and other Government users should refer to the supplement: *Federal Guide to Navigation Data*, TOWS Data Dictionary.)

Data flows from the source (carrier), through WCSC's contract coding and keying facilities, to the editing and the routing process, which identifies all waterways traversed by the vessel and commodity movement from origin to destination. Routing computes trip miles and ton-miles, and determines the traffic type (See Appendix 1, Terminology).

Beginning with the 1990 data year, WCSC reduced its publication commodity categories slightly from 163 to 157, while increasing its data capture categories from 163 to 662. This change affords a better disaggregation of the old not-elsewhere-classified (NEC) categories, and provides more specific commodity codes. The detail commodity categories are Standard Industrial Trade Classification, Revision 3 codes (SITC, Rev 3), which are compatible with the International Harmonized System codes used in foreign trade. The publication codes are hierarchically compatible with LPMS commodity codes. (See Appendix 2, Commodity Code Tables, Commodity Classification List and Commodity Mapping Table, for the SITC, Rev 3 codes mapped to the LPMS and Publication commodity codes.)

**Foreign Data.** Foreign commerce is defined as commerce that is a waterborne import, export, or transshipment traffic between the United States (including Puerto Rico and the Virgin Islands) and any foreign country. These statistics do not include traffic between Guam, Wake Island, or American Samoa and any other foreign country. (See Appendix 1, Terminology, for a description of the foreign types of traffic.)

The Foreign Trade Division of the Bureau of Census compiles and disseminates the data related to imports and exports of the United States by collecting and processing the documents channeled to the Bureau of Census by the U.S. Customs Service. Foreign commerce data are furnished to the Corps of Engineers by the Bureau

of Census under a working arrangement sponsored by the Office of Management and Budget. The data are confined to vessel movements by water and are reconcilable with published trade reports of the Bureau of Census with the exception of LOOP Oil Terminal and Skagway Wharf reports, which are manually entered as imports by the Corps of Engineers.

WCSC is the Corps repository for import/export detail data collected by the Bureau of Census. The foreign detail data are stored on computer tape and summarized, merged, and routed with the domestic detail data. Only summary data are available in the Oracle Detail table, including commodity carried, tonnage, U.S. port, vessel type, direction, and number of trips. Specific types of data in the foreign detail records include U.S. district/port, foreign port, country of origin/destination, SITC Rev 3 commodity, shipping value and weight, vessel name, WCSC location code, draft, net registered tonnage, ballast, rig, and operator. For Corps users only, the foreign detail cargo records for the current processing year are available in an Oracle table. (Refer to the supplement: *Federal Guide to Navigation Data*, Foreign Data, for the Oracle table descriptions.)

**Vessel data.** WCSC annually conducts a survey (ENG Form 3931) of the companies with vessels available for commercial waterborne carriage of passenger and cargo such as ships, towboats, and barges available for use in such carriage. The U.S. flag fleet and company information is entered into WCSC's data base, and provides an annual "snapshot" of the domestic commercial fleet by company. The vessel inventory does not contain general ferries, floating equipment used in construction work, most dredges, most fishing vessels, or recreational craft. Specific types of operator and vessel data collected include operator address, type of service, and principal commodities carried and localities served, as well as vessel name and number, Coast Guard number, vessel characteristics, and operating base. These data are available to the public, See Appendix 4, WTLUS for field descriptions. (Corps and other Government users should also refer to the supplement: *Federal Guide to Navigation Data*, TOWS Data Dictionary, Master Operator and Master Vessel tables, for file layout and descriptions.)

#### **Accessing.**

**Online.** See "Internet Web Site" for online access of waterborne statistics available to the public. Corps users must contact the ADP office of WCSC at (504) 862-1406 for online access of detail data.

**Electronic Media.**

- Data in parts 1-4 of the *Waterborne Commerce of the U.S.* (see "Publications") are available on diskettes (in numerical codes) for calendar years back to 1982 and on CD-ROM as part of the *U.S. Waterway Data CD-ROM* (see "Integrated Products"). See Appendix 5, WCUS Manuscript Data File, for field descriptions and file layout. (Corps and other Government users should also refer to the supplement: *Federal Guide to Navigation Data*, TOWS Data Dictionary, WCUS Manuscript tables, for file layout and descriptions.)
- Data in the public domain data base (see "Publications") are available on diskettes (in numerical codes and State abbreviations) back to calendar year 1985 and on CD-ROM as part of the *U.S. Waterway Data CD-ROM* (see "Integrated Products"). See Appendix 6, WCSC Public Domain Data Base, for field descriptions, file layout, commodity groupings, State abbreviations, and region definitions.
- Foreign detail data are available on computer tape or diskettes (in numerical codes) for calendar years back to 1985 for Corps users only. (Corps users should refer to the supplement: *Federal Guide to Navigation Data*, Foreign Data, for file layout and descriptions.) Other Government users must request these data from the Bureau of the Census, Foreign Trade Division at (301) 457-2317.
- Detail data from the *Waterborne Transportation Lines of the United States* (WTLUS), see "Publications", are available on computer tape or diskettes and on CD-ROM as part of the *U.S. Waterway Data CD-ROM* (see "Integrated Products"). See Appendix 4, WTLUS for field descriptions and file layouts.

**Publications.** (see Appendix 7, Sample Reports)

- *Waterborne Commerce of the U.S.* (Parts 1-5) is a series of publications that contain statistics on the commercial waterborne movements of domestic and foreign cargo. Part 1 covers the Atlantic Coast; part 2 -- Gulf Coast, Mississippi River System, and the Antilles; part 3 -- the Great Lakes; and, part 4 -- the Pacific Coast, Alaska, and Hawaii. Section 1 of parts 1-4 present summary data by commodity, traffic (in short tons), and harbors and waterways within Corps Districts. Section 2 of parts 1-4 contains the trips and drafts of vessels (by harbors and waterways). Part 5 details

national summaries of tons and ton-miles contained in parts 1-4. Archival copies are available back to 1915.

- *Estimated Waterborne Commerce Statistics, National Totals and Selected Inland Waterways* contains tonnage estimates of the total national waterborne commerce and selected inland waterways for the most recent calendar year. The waterways estimates are based on correlations between LPMS, described in this section, tonnages collected at the locks, and waterborne commerce tonnages provided by vessel operating companies. These data sets are available approximately 3-6 months after the close of the calendar year.
- *Internal U.S. Waterway Monthly Tonnage Indicator* is the current monthly internal waterborne tonnage indicator with a comparison to previous years. Internal tonnage moves solely within the boundaries of the United States. The indicator is based upon tonnage passing through key locks on the inland waterway system. These locks were chosen using correlation analysis of twelve years of historical waterborne commerce data collected from vessel operating companies and data collected at Corps operated locks. The indicator is computed as soon as the necessary monthly lock data is available, which is 30 to 45 days after the close of the month.
- *Tonnage for Selected United States Ports* contains tonnage figures for the top 150 U.S. ports for a given year. Listings are sorted by total tonnage, foreign tonnage, domestic tonnage, and alphabetically. Historical copies are available back to 1986.
- *Waterborne Tonnage by State* contains waterborne tonnage by States, for a given year, in single-page format. Data are aggregated by domestic and foreign shipments, domestic and foreign receipts, and intra-state. The listings are sorted by total waterborne tonnage, and alphabetically by State. Historical copies are available back to 1988.
- Two public domain data bases contain aggregated information that depicts waterborne commodity movements between 26 geographical regions and individual States of the U. S. These data bases protect the confidentiality of the data provided by the individual carriers, while simultaneously providing the general public with origin/destination commodity flows. Commodity specificity may be generalized to protect confidentiality during the editing process. For example, sugar is labeled as food. If three or more vessel operating companies do not carry food products from a particular area of origin to a particular area of destination, then "food" is reclassified to "other." Editing procedures are

continually undertaken to ensure carrier confidentiality. These data are available in hard copy beginning with calendar year 1985.

Approximately 1,400 records are in each calendar year data base. They are sorted by origin, destination, and commodity.

- *Waterborne Transportation Lines of the United States* contains information on the vessel operators and their American flag vessels operating or available for transporting freight and passengers. Table 1 alphabetically lists the vessel companies and their addresses; table 2 alphabetically lists the vessel companies and describes each vessel, including its Coast Guard number, net register tonnage, vessel type, construction and characteristics, length, breadth, draft, horsepower, carrying capacity, highest fixed point, cargo handling equipment, vessel operating base, and year built or rebuilt. Table 3 lists descriptions of operations by vessel company, to include type of service, principal commodities carried, and points or localities and waterways between which or on which the services are conducted. Before 1983, the WTLUS consisted of three regional volumes; in 1983-84, these volumes were consolidated into a single edition.

The 1994 WTLUS edition will be printed in three volumes. The National Summaries, Volume 1, provides a condensation of the vessel data detailed in the WTLUS. Summarized vessel characteristics are represented in both tabular and graphic format.

The Transportation Lines Company Summary, Volume 2, provides a summary of the vessel companies detailed in the WTLUS. Volume 2 combines the information provided in Tables 1 and 3 from the old format (described in the previous paragraph) into one summary table. The number of vessels reported by vessel type has been added to the table for each company.

The Vessel Characteristics, Volume 3, lists the vessel companies detailed in the WTLUS in alphabetical sequence and describes each vessel surveyed by the same characteristics as listed in Table 2 of the old format (described in the previous paragraph).

- *Summary of U.S. Flag Vessels* summarizes the vessel types by region contained in the WTLUS. The summary by region represents the same geographic regions that were published before 1983-84 in three publications. The data for each vessel type (by year and region) include number of vessels, passengers, railroad cars, horsepower, and cargo capacity. Vessel types are disaggregated by dry cargo and/or passenger, dry cargo barges, ferries and railroad cars, tank barges, tankers, railroad car floats, and

towboats. Historical copies of these summaries are available back to 1949.

**Special Requests.** Special data runs should be requested by formal letter to  
Mr. Thomas Mire  
Quality Control, Products and Services Office  
Waterborne Commerce Statistics Center  
U.S. Army Corps of Engineers  
P.O. Box 61280  
New Orleans, LA 70161-1280  
(504) 862-1424

These requests would normally be characterized by a need for data not contained in the standard products above. Requestors should specify the type of files and formats required. WCSC will respond with a cost and time estimate. The requesting office must send a check or money order, or Government transfer of funds to WCSC before the requested data can be generated and sent. The check or money order should be made payable to FAO, USAED, New Orleans (see Appendix 8, Ordering Guide). Frequent users can set up an account at WCSC. As a reminder, data that reveals the activity of individual reporting carriers cannot be released to the public. Such data are confidential under the Trade Secrets Act (18 USC 1905).



## Ports and Waterways Division

**Background.** The PWD receives its charter and authority from three statutes. Section 7 of the River and Harbor Act of 1918 directs the Chief of Engineers to report on the description and adequacy of U.S. waterway terminals and transfer facilities in his annual report to Congress; section 8 of the Merchant

Marine Act of 1920 adds a requirement to study the infrastructure supporting such port facilities; and section 500 of the Transportation Act of 1920 reiterates these responsibilities, requires the publication of collected data "of value to the commercial interests of the country," and adds the anchorages of the Great Lakes to the areas of investigation.

**Types of Data Collected.** The PWD collects, reviews, analyzes, publishes, and disseminates data on the physical and intermodal (infrastructure) characteristics of the coastal, Great Lakes, and inland ports of the United States. Also published are dock location data for NDC's GIS and port area maps for use with collection of harbor maintenance fees. Fifty-six *Port Series Reports* cover more than 9,500 facilities in more than 200 ports areas. The PWD also provides compatible data to LPMS, and current data for WCSC's location and dock code data base. Users of PWD data include, at the District level, regulatory functions, port mobilization planners, project planners, reservoir regulators, and emergency management officials.

**Port facilities.** Facility data include, but are not limited to location (latitude/longitude, NDC codes, mile, and bank); operations (name, owner, operator, purpose, handling equipment, rates, and details of open and covered storage facilities); type and dimension of construction (length of berth space for vessels and/or barges, depth, apron width, deck elevation, and details of rail and highway access); and utilities available (water, electricity, and fire protection).

**Mile point locations.** The Mile Point locations data base contains 10,020 sequential mile point positions of navigable inland waterways and the Gulf Intracoastal Waterway. Each record includes: longitude, latitude, river name, river code, river number, and ID number. Creation of the Mile Point locations data base was a joint effort of NDC and the Defense Mapping Agency. Latitudes and longitudes are expressed in explicit decimal seconds. For further information about the Mile Point

Locations data base contact Bob Baldwin at (703) 428-8047, E-mail:robert.l.baldwin@usace.army.mil.

**Accessing.**

**Online.** Currently, the PWD data are not available for online computer access. A list of all PWD publications and a pricing guide can be found on the Internet.

**Electronic Media.** Data files can be supplied in ASCII or other standard data base formats upon request. Contact Bob Ray at (703) 428-8058, E-mail:robert.e.ray@usace.army.mil.

**Publications.**

- *Ports Series Reports.* These reports contain detailed information as outlined above, as well as extensive descriptive material including project authorization, bridge/tunnel/railroad infrastructure data, meteorological information, and anchorage descriptions. The reports cover the nation's principal coastal, Great Lakes, and inland waterway terminals and transfer facilities. All viable commodity handling and maritime service wharves are included, as are aerial maps and photos of individual facilities. Each of the 56 reports in the series is updated periodically (approximately every 10 years). All *Port Series Reports* include detailed maps depicting facility locations. For a complete listing of the 56-volume *Port Series Reports*, the latest date of publication, and price, see Appendix 8, Ordering Guide. *Port Series Reports* may be purchased by addressing orders to:

*Port Series Reports*  
CEWRC-NDC-P  
7701 Telegraph Road, Casey Building  
Alexandria, VA 22315-3868  
(703) 428-8059

- *Summary of Commodity Handling Terminals in the United States.* This report summarizes facilities available along selected inland waterways for five commodity types, including petroleum, liquid bulk, materials other than petroleum, grain, coal, and dry bulk materials other than coal. The data presented are taken from the *Port Series Reports*.

- Harbor Maintenance Fee Maps. The engineers of the PWD were called on to create harbor area maps for the U.S. Customs Service to use in determining various limits for harbor maintenance fee collection.
- Port Facility Data Base -- The Master Port Directory has been created to select and process specific data relating to elements in approximately 150 fields for any or all of the Nation's coasts and/or inland waterway. Examples of special reports are *Summary of Facilities Within Area of 1993 Midwestern Flood*; *United States Container Handling Facilities*; *Timber Transfer Facilities on Pacific Coast*; *Coal Burning Power Plants With Barge Receiving Equipment*; *Mississippi River Grain Handling Facilities Without Rail Connections*; and *Coal Handling Docks of the United States*.

**Special Requests.** Special requests may be directed to Virginia Pankow, Chief, Ports and Waterways Division, (703) 428-9047, E-mail:virginia.r.pankow@usace.army.mil. Written requests should be directed to *Ports and Waterways Division*, CEWRC-NDC, 7701 Telegraph Road, Casey Bldg., Alexandria VA 22315-3868.



## Dredging Statistics Program

**Background.** The Dredging Statistics Program contains the Dredging Information System (DIS) data base, which gathers, manages, and distributes data on all contracted and Corps-performed dredging activities. The Dredging Statistics Program was established in 1991 as mandated by the Director of Civil Works. The DIS data base was developed, building on the strengths of its predecessor, the National Dredging Data Management System (NADDAMS), incorporating the speed and flexibility of current data base management system technology. The data base tracks all contracted and Corps-performed dredging from pre-bid through completion. Commercial relational data base management system software, MICRORIM R:BASE, is used with customized applications for Corps of Engineers data entry. Data are stored in 17 major tables that contain over 150 data fields. The current central data base contains information from 1984 to the present.

**Types of Data Collected.** The data base tracks each dredging contract, and information relating to an individual contract is linked among the tables. Information in the data base includes general contract data on name and location of the dredging site, dredged quantity, type of dredge, type of material disposal, dates of bid advertisement, bid opening and contract award, units of contract measurement, small business set-aside restrictions, dredging window restrictions, Government cost estimate, number of bids submitted, winning bid and bidder, small business status of bidders, and actual contract cost and quantity dredged. The data base also contains more detailed data of the cost and quantity of all bid items including the Government estimate. Disposal site and quantity data are captured and a table is dedicated to all contractor names and addresses.

The Corps of Engineers Districts are responsible for maintaining and updating their "local" district data bases and supplying an updated file monthly to the central data base. The files are imported into the national data base where data integrity and quality control checks are performed.

**Accessing.** Direct access to the data base is limited to the Program Manager and district data entry personnel. However, all data are available in electronic form or hard copy through requests to the Program Manager.

The DIS is a stand-alone PC-based central data base with a distributed application in each district. Each district has direct access to its own data base and a copy of the national data base to view as needed. The central data base is directly accessible by the Program Manager, who addresses all data and information requests. Direct hands-on access to the data base is not available to the general public, although data files can be obtained for further manipulation and analyses.

**Online.** The DIS is currently not an interactive online system. Data files from the districts are imported into the central data base.

**Electronic Media.** The public can access NDC's Web Site for current reports, updated monthly by the 15th, of the Corps Contract Dredging Schedule, as well as the current list of contracts awarded. The complete listing of the previous year's contracts and awards is also available. Contracts and awards from FY 1992-on are archived on NDC's Web Site and available to users.

Data files can also be supplied in ASCII or other standard data base formats. (Corps and other Government users should refer to the supplement: *Federal Guide to Navigation Data*, DIS, for field descriptions, record layout, and file specifications.)

**Publications.** Standard reports and custom products of the Dredging Statistics Program include contract advertising schedules, lists of contracts awarded, post-bid summaries, small business summaries, and statistics and reports sorted and summarized by specific data fields. The following are two frequently used monthly reports.

- *U.S. Army Corps of Engineers Contract Dredging Program: Advertising Schedule* includes selected information and the status of all current fiscal year Corps dredging contracts. Information on the dredging location (Corps district and site), contract status (active, hold, etc.), quantity, proposed contract advertising and bid opening dates, suggested type of dredge, type of disposal, class of work (maintenance or new work), dollar range of contract value, and small business set-aside restrictions are included in this report. A legend of codes used in the report is included. As the year progresses, contracts that have had bid opening or were awarded are tagged so readers know their status.
- *US Army Corps of Engineers Contract Dredging Program: Contracts Awarded* includes information on current fiscal year contracts awarded and lists the dredging location, contract advertising and bid opening dates, quantity, dredge type bid, Government estimate, winning bid and bidder, business

status (emerging, small, or large) of the winning bidder, and the number of bids submitted for the contract.

**Special Requests.** Special requests and inquiries may be made to Virginia Pankow, Manager, Dredging Statistics Program (703) 428-9047, E-mail: [virginia.r.pankow@usace.army.mil](mailto:virginia.r.pankow@usace.army.mil). Written requests should be directed to *Dredging Statistics Program*, CEWRC-NDC, 7701 Telegraph Road, Casey Bldg., Alexandria, VA 22315-3868



## Lock Performance Monitoring System

**Background.** LPMS collects, edits, maintains, analyzes and disseminates data collected at all Corps-owned and/or Corps-operated locks. LPMS data are collected under authority of Engineering Regulation 1130-2-429. Data collection began in 1975 and consists of information about waterway traffic usage and performance of each lock in the Corps' national system. Cargo and passenger statistical data are obtained under the authority of 33 USC 555, and thus is subject to the proprietary constraints. Data should not be released if they identify any vessel owner who provided such confidential information.

**Types of Data Collected.** LPMS data consists of information describing the waterway traffic through Corps owned and/or operated locks. These data include the number of vessels and barges using the lock; type, dates, and times of lockages; entry and exit types; number of cuts; flotilla dimensions; vessel ID number; direction; lock closure dates and times, durations, causes and whether closure was scheduled; barge type, barge size, commodity type; and tonnages carried. Data are collected using printed forms or a PC data entry and edit software program (LPMS Micro Edit). Both data collection methods are based on the Waterway Traffic Report Forms: ENG Form 3102b - Lockage Log, 3102c - Vessel Log, and 3102d - Detailed Vessel Log used as an alternate to 3102c when specific barge information is needed (see Appendix 3, Reporting Forms, LPMS Waterway Traffic Report forms). LPMS data are electronically transmitted monthly from each lock or Corps District office to a central data base. Information collected from each of the locks is kept active in the central data base for the most recent 10 years. Statistics are published by NDC each month for selected key locks, and annually for all locks.

### Accessing.

**Online.** Online access to the LPMS central data base is available to any authorized Corps user. An authorized user may access the detailed lockage data, monthly summary data and any of the 16 standard LPMS reports (see "Publications"). Data are added to the LPMS data base each month and kept active for the last 10 years. Upon special request, archived data can be obtained back to 1980. Corps personnel must coordinate with their district Information Management Office (IMO) to receive a user ID and password. The family name for the data base is PMS. Users will need an ADP workcode (also available from IMO) to get connected successfully to LPMS. For further

information call Donna Wood, at (703) 428-6154, E-mail: donna.wood@usace.army.mil or Jim Haga, at (703) 428-8565, E-mail: james.haga@usace.army.mil.

The LPMS Micro Edit is a PC data entry and edit software application program available from NDC for direct input of the required data at the lock installation. This program can be used instead of printed ENG forms and is subject to the same proprietary controls. Statistical reports can be printed from this program by Corps users to summarize the current set of data or past month's data.

Selected LPMS information is also available on NDC's Web Site. The monthly *LPMS Key Lock Report*, the *Summary of Lock Statistics*, and a monthly newsletter can be viewed or downloaded from the Web Site by anyone with access to the Internet.

**Electronic Media.** Utilities to extract lockage and vessel information in ASCII file format can be run by Corps and Government users with online access to LPMS's central data base. Data files can be supplied in ASCII or other standard data base formats to anyone on request. (Corps and other Government users should refer to an LPMS publication - *User Manual for Data Analysis*, NDC Report 90-L-4, for field descriptions, record layout, and file specifications.)

**Publications.**

- *Lock Performance Monitoring System: Summary of Lock Statistics.* This report displays tables for each Corps-operated lock and chamber and provides an overview of the traffic and operation at each lock. Information is presented in three sections: *Lock Characteristics General Report*; *LPMS Summary by River Basin*; and *LPMS Summary by Division/District*. Section 1 lists information about the physical characteristics of each lock chamber organized by river name and river mile for each lock; section 2 lists annual summary statistics organized by river name and river mile for each lock; section 3 lists comparisons of current and previous year summary statistics by direction and total organized by Division/District, and by river name and river mile for each lock. Data include the number of barges, lockages, and tonnages. The percentage of recreational craft and lockages is specified. Statistics on delays incurred at each lock chamber include total tows delayed, average length of delay, and total delay time. Section 3 of this report is run each quarter on a cumulative basis and is available upon request by calling

- (703) 428-8047, E-mail: robert.baldwin@usace.army.mil.
- *LPMS Key Lock Report.* This report provides a monthly summary and year-to-date total of commodity tonnages and barge traffic and contains data for 11 designated key lock sites or 14 chambers of the following rivers and waterways; Arkansas River - Norrell Lock; Columbia River - Bonneville Lock; Gulf Intracoastal Waterway - Calcasieu Lock and Inner Harbor Navigation Canal Lock; Illinois River - LaGrange Lock; Kanawha River - Winfield Lock Main and Auxiliary; Mississippi River - Lock 25, Lock 27 main and auxiliary chambers; Ohio River - Lock 52 main and auxiliary chambers; Tennessee River - Kentucky Lock; and Tombigbee River - Demopolis Lock.
  - *Standard Reports and Utilities.* There are currently 16 standard reports and 8 utilities. Refer to *User Manual for Data Analysis*, NDC Report 90-L-4, for report descriptions.
  - *Overview of the Lock Performance Monitoring System*, NDC Report 90-L-2. This manual provides an overview of the system including data collected, field and record definition, glossary of terms, and standard reports available for online computer access.
  - *User Manual for Data Collection and Editing*, NDC Report 90-L-3. This manual has been prepared to provide basic instruction in collecting, preparing, and analyzing LPMS data. Common problems in recording and editing data are discussed. The manual contains formats for data preparation and the final data files, as well as descriptions and formats of the various program look-up tables. The overall structure of the system, its components and their relation to the system are explained.
  - *User Manual for Data Analysis*, NDC Report 90-L-4. This manual has been prepared to provide basic instruction in analyzing and accessing LPMS data and reports. This manual contains descriptions and formats for data preparation, data base files, and various program look-up tables. Sample reports and detailed descriptions of each report are also found in this manual.

**Special Requests.** Special requests and inquiries may be directed to David Lichy, (703) 428-9052, E-mail:david.e.lichy@usace.army.mil. Written requests should be directed to *Lock Performance Monitoring System*, CEWRC-NDC, 7701 Telegraph Road, Casey Bldg., Alexandria, VA 22315-3868.

### Lock Characteristics



**Background.** The Lock Characteristics data base contains information on the physical aspects of all USACE-built, -maintained, -owned or -operated locks. This data base relies on regular updates from field surveys and District personnel to provide the most current and accurate data about the physical aspects of locks. Lock Characteristics data are stored and maintained on NDC's EWS. Data from Lock Characteristics are used for in-house quality control purposes between LPMS and WCSC; X and Y coordinates for the GIS application; and as a basis for executive-level queries on the EWS.

**Types of Data Collected.** The physical aspects of each lock chamber are stored in the Lock Characteristics data base. Several categories of lock characteristics are maintained in the data base, which include the following:

- **Location:** River, mile point, latitude/longitude, town, county, Congressional district, Corps district, Corps division
- **Physical Characteristics:** Length, width, lift, depth, gate type, number of chambers
- **Site Information:** Lock operator, lock mail address, lock phone/fax number, radio call sign
- **Site Characteristics:** Channel length, channel width, pool elevation, pool length, lake pool, waterway project, waterway segment, mooring, multiple use of site
- **Historical Change:** Lock name, location, construction, replacement, transfers
- **Management Information:** Fiscal year budget, number of Federal full-time-employees, CWIS number, EROC number, authorized document, and district contact. NOTE: Management information is proprietary and available only to Corps users.

#### Accessing.

**Online.** Two reports are available on the Internet: *Lock Characteristics: Operational Statistics of Locks on the Inland Waterways* and *Lock Characteristics General Report*.

**Electronic Media.** An ASCII file is available for downloading from NDC's Web Site.

It is in the same format as the *Lock Characteristics General Report*. Data files can be supplied in ASCII or other standard data base formats to anyone on request. (Corps and other Government users should refer to the supplement: *Federal Guide to Navigation Data*, Lock Characteristics Data Dictionary, for field descriptions, record layout, and file specifications.)

**Publications.**

- *Lock Characteristics: Operational Statistics of Locks on the Inland Waterways* is an annual summary of all Corps-owned and/or Corps-operated locks listing physical characteristics and operational statistics such as number of tows and barges, tonnage, and average delay time.
- *Lock Characteristics General Report* lists physical characteristics of locks including year opened, chamber length and width, lift, structure type, status, and type of gate. This report is also part of the *Summary of Lock Statistics Report* as section 1.

**Special Requests.** Special requests and inquiries may be directed to Bob Baldwin, (703) 428-8047, E-mail:robert.l.baldwin@usace.army.mil. Written requests should be directed to *Lock Characteristics*, CEWRC-NDC, 7701 Telegraph Road, Casey Bldg., Alexandria, VA 22315-3868

# APPENDICES

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# APPENDIX 1

## Terminology



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## ***Waterborne Commerce Terminology***

### **Sorted Alphabetically**

Canadian Exports:	outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for Canada.
Canadian Imports:	inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in Canada.
Coastwise:	domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, (e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, Alaska to Hawaii). Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed Coastwise.
Commodity Description	The first two digits of the WCSC publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as with commodity movements of other countries.
Downbound:	waterway traffic that moves in a downstream direction. For waterways without a characteristic monodirectional flow, "downbound" means in a southerly or westwardly direction.
Internal:	vessel movements (origin and destination) which take place solely on inland waterways. An inland waterway is one geographically located within the boundaries of the contiguous 48 states or within the boundaries of the State of Alaska. The term "internal traffic" is also applied to these vessel movements: those which involve carriage on both inland waterways and the Great Lakes: those occurring between offshore areas and inland waterways (e.g., oil rig supplies and fish); and those taking place within Delaware Bay, Chesapeake Bay, Puget Sound, and the San Francisco Bay, which are considered internal bodies of water rather than arms of the ocean.
Intra-territory:	traffic between ports in Puerto Rico and the Virgin Islands, U.S.A. which are considered a single unit.
Intra-waterway:	movements within the limits of a river, waterway or canal. This traffic will not include car-ferries and general ferries moving within a waterway or Corps project.
Intransit Merchandise	inbound merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import. Intransit merchandise is treated as an Import when unloaded from a vessel and as an Export when loaded onto a vessel.

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## ***Waterborne Commerce Terminology***

Intraport:	movement of freight within the confines of a port whether the port has one or several arms or channels included in the port definition. This traffic type will not include car-ferries and general ferries moving within a port.
Lakewise:	waterborne traffic between the United States ports on the Great Lakes System. The Great Lakes System is treated as a separate waterway system rather than as a part of the inland waterway system. In comparing historical data for the Great Lakes System, one should note that prior to calendar year 1990, marine products, sand and gravel being moved from the Great Lakes to Great Lake destinations were classified as local traffic. From 1990 on, these activities are classified as lakewise traffic.
Overseas Exports:	outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for foreign countries other than Canada.
Overseas Imports:	inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in foreign countries other than Canada.
Receipts:	traffic moving from one location to another where the destination is within the limits of the subject port.
Shipments:	traffic moving from one location to another where the origin is within the limits of the subject port.
Through:	movements transiting a waterway, or stretch thereof, as defined in the project description of individual tables, and having origins and destinations outside of the defined area.
Ton-miles:	Water carriage ton-miles were first compiled and published in calendar year 1962. The distances used are statute miles. Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water (e.g. 50 short tons moving 200 miles on a particular waterway would yield million ton-miles for that waterway). The ton-mile parameter measures the total performance of a waterway. Ton-miles are not computed for ports. For coastwise traffic this represents the mileage on the shortest route that safe navigation permits between the point of origin and destination. The source of this distance information for coastwise traffic is the publication, <i>Distance Between United States Ports</i> , published by the National Oceanic and Atmospheric Administration (1987). For rivers and inland waterways the distances were computed from waterway survey maps and records of the Corps of Engineers. For the Great Lakes system the ton-miles are computed for movements of cargo west of the international boundary of St. Regis, Quebec, Canada to head of the lakes at Duluth/Superior. For Canadian imports and exports, foreign ton-miles are computed as the tonnage times the distance between U.S. and Canadian ports. For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports. For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Ton-miles are rounded to the nearest million.

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## ***Waterborne Commerce Terminology***

Tons: The tonnage figures provided throughout the Waterborne Commerce of the United States (WCUS) Parts 1-5 represent short tons (2000 pounds). Where noted tonnage figures are rounded to the nearest million. A zero represents less than 500,000 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

## ***Waterborne Commerce Terminology***

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Trans-Shipments: Ports and offshore anchorages where cargo is moved from one vessel to another. These are: St. Lucia, Virgin Islands; Heald Bank off LA-TX coast; Chirqui Grande, Panama; Puerto Armuelles, Panama; and Hondo Platform-Pacific Ocean.

Upbound: waterway traffic that moves in an upstream direction. For waterways without a characteristic monodirectional flow (e.g. the Gulf Intracoastal Waterway), "upbound" means in a northerly or easterly direction.

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# APPENDIX 2

## Commodity Code Tables



# Commodity Classification List

WCSC: COMMODITY CLASSIFICATION LIST

## Commodity Classification List

<u>Major Grouping</u> <u>Minor Grouping</u> Pub Group Pub Name	<u>Major Grouping</u> <u>Minor Grouping</u> Pub Group Pub Name
00 Units 0200 Vehicles 0300 Passengers  10 Coal 1100 Coal 1200 Coal Coke  20 Petroleum & Petroleum Products 21 Crude Petroleum 2100 Crude Petroleum 22-29 Petroleum Products 2211 Gasoline 2221 Kerosene 2330 Distillate Fuel Oil 2340 Residual Fuel Oil 2350 Lube Oil & Greases 2410 Petro. Jelly & Waxes 2429 Naphtha & Solvents 2430 Asphalt, Tar & Pitch 2540 Petroleum Coke 2640 Liquid Natural Gas 2990 Petro. Products NEC  30 Chemicals and Related Products 31 Fertilizers 3110 Nitrogenous Fert. 3120 Phosphatic Fert. 3130 Potassic Fert. 3190 Fert. & Mixes NEC 32 Other Chemicals and Related and Related Products 3211 Acyclic Hydrocarbons 3212 Benzene & Toluene 3219 Other Hydrocarbons 3220 Alcohols 3230 Carboxylic Acids 3240 Nitrogen Func. Comp. 3250 Organo-Inorganic Comp 3260 Organic Comp. NEC 3271 Sulphur (Liquid) 3272 Sulphuric Acid 3273 Ammonia 3274 Sodium Hydroxide 3275 Inorg. Elem., Oxides, & Halogen Salts 3276 Metallic Salts 3279 Inorganic Chem. NEC 3281 Radioactive Material 3282 Pigments & Paints	3283 Coloring Mat. NEC 3284 Medicines 3285 Perfumes & Cleansers 3286 Plastics 3291 Pesticides 3292 Starches, Gluten, Glue 3293 Explosives 3297 Chemical Additives 3298 Wood & Resin Chem. 3299 Chem. Products NEC  40 Crude Materials, Inedible Except Fuels 41 Forest Products, Wood and Chips 4110 Rubber & Gums 4150 Fuel Wood 4161 Wood Chips 4170 Wood in the Rough 4189 Lumber 4190 Forest Products NEC 42 Pulp and Waste Paper 4225 Pulp & Waste Paper 43 Soil, Sand, Gravel, Rock and Stone 4310 Building Stone 4322 Limestone 4323 Gypsum 4327 Phosphate Rock 4331 Sand & Gravel 4333 Dredged Material 4335 Waterway Improv. Mat 4338 Soil & Fill Dirt 44 Iron Ore and Scrap 4410 Iron Ore 4420 Iron & Steel Scrap 45 Marine Shells 4515 Marine Shells 46 Non-Ferrous Ores and Scrap 4630 Copper Ore 4650 Aluminum Ore 4670 Manganese Ore 4680 Non-Ferrous Scrap 4690 Non-Ferrous Ores NEC 47 Sulphur, Clay and Salt 4741 Sulphur, (Dry) 4782 Clay & Refrac. Mat. 4783 Salt 48 Slag 4860 Slag 49 Other Non-Metal. Min. 4900 Non-Metal. Min. NEC

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## Commodity Classification List

WCSC: PACIFIC COAST, ALASKA AND HAWAII

### Commodity Classification List (continued)

Major Grouping Minor Grouping Pub Group Pub Name	Major Grouping Minor Grouping Pub Group Pub Name
50 Primary Manufactured Goods 51 Paper Products 5110 Newsprint 5120 Paper & Paperboard 5190 Paper Products NEC 52 Lime, Cement and Glass 5210 Lime 5220 Cement & Concrete 5240 Glass & Glass Prod. 5290 Misc. Mineral Prod. 53 Primary Iron and Steel Products 5312 Pig Iron 5315 Ferro Alloys 5320 I&S Primary Forms 5330 I&S Plates & Sheets 5360 I&S Bars & Shapes 5370 I&S Pipe & Tube 5390 Primary I&S NEC 54 Primary Non-Ferrous Metal Products 5421 Copper 5422 Aluminum 5429 Smelted Prod. NEC 5480 Fab. Metal Products 55 Primary Wood Products; Veneer 5540 Primary Wood Prod.	6811 Meat, Fresh, Frozen 6817 Meat, Prepared 6822 Dairy Products 6835 Fish, Prepared 6838 Tallow, Animal Oils 6839 Animals & Prod. NEC 6856 Bananas & Plantains 6857 Fruit & Nuts NEC 6858 Fruit Juices 6861 Sugar 6865 Molasses 6871 Coffee 6872 Cocoa Beans 6885 Alcoholic Beverages 6887 Groceries 6888 Water & Ice 6889 Food Products NEC 6891 Tobacco & Products 6893 Cotton 6894 Natural Fibers NEC 6899 Farm Products NEC
60 Food and Farm Products 61 Fish 6134 Fish (Not Shellfish) 6136 Shellfish 62-64 Grain 6241 Wheat 6344 Corn 6442 Rice 6443 Barley & Rye 6445 Oats 6447 Sorghum Grains 65 Oilseeds 6521 Peanuts 6522 Soybeans 6534 Flaxseed 6590 Oilseeds NEC 66 Vegetable Products 6653 Vegetable Oils 6654 Vegetables & Prod. 67 Processed Grain and Animal Fed 6746 Wheat Flour 6747 Grain Mill Products 6781 Hay & Fodder 6782 Animal Feed, Prep. 68 Other Agricultural Products	70 All Manufactured Equipment, Machinery and Products 7110 Machinery (Not Elec) 7120 Electrical Machinery 7210 Vehicles & Parts 7220 Aircraft & Parts 7230 Ships & Boats 7300 Ordnance & Access. 7400 Manufac. Wood Prod. 7500 Textile Products 7600 Rubber & Plastic Pr. 7800 Empty Containers 7900 Manufac. Prod. NEC 80 Waste and Scrap NEC 8900 Waste and Scrap NEC 90 Unknown or Not Elsewhere Classified 99 Unknown or Not Elsewhere Clsfd 9900 Unknown or NEC

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## Publication Commodity Codes - Cross Reference List

APPENDIX

### Publication Commodity Codes Cross Reference List (sorted by 1991 commodity codes)

1991 Commodity	1989 Commodity
0200 Vehicles	4115 Transported Vehicles (E.G. Ferried Autos)
.....	4116 Railway Cars (Loaded)
.....	4117 Railway Cars (Empty)
0300 Passengers	4114 Passengers Only
1100 Coal & Lignite	1121 Coal and Lignite
1200 Coke	2920 Coke, Including Petroleum Coke
2100 Crude Petroleum	1311 Crude Petroleum
2211 Gasoline	2911 Gasoline, Including Additives
.....	2912 Jet Fuel
2221 Kerosene	2913 Kerosene
2330 Distillate Fuel Oil	2914 Distillate Fuel Oil
2340 Residual Fuel Oil	2915 Residual Fuel Oil
2350 Lube Oil & Greases	2916 Lubricating Oil and Greases
2410 Petro. Jelly & Waxes	2991 Petroleum and Coal Products, NEC
2429 Naphtha & Solvents	2917 Naphtha, Mineral Spirits, Solvent, NEC
2430 Asphalt, Tar & Pitch	2918 Asphalt, Tar and Pitches
2540 Petroleum Coke	2920 Coke, Including Petroleum Coke
2640 Liquid Natural Gas	2921 Liquefied Petroleum Gases, Coal Gas, Nat Gas/Liquid
2990 Petro. Products NEC	2991 Petroleum and Coal Products, NEC
.....	3113 Coke (coal & petroleum), petroleum pitches and asphalts, and naphtha and solvents
3110 Nitrogenous Fert.	2871 Nitrogenous Chemical Fertilizers, Except Mixtures
3120 Phosphatic Fert.	2873 Phosphatic Chemical Fertilizers, Except Mixtures
3130 Potassic Fert.	2872 Potassic Chemical Fertilizers, Except Mixtures
3190 Fert. & Mixes NEC	1479 Natural Fertilizer Materials, NEC
.....	2879 Fertilizers and Fertilizer Materials, NEC
3211 Acyclic Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3212 Benzene & Toluene	2817 Benzene and Toluene, Crude and Commercially Pure
3219 Other Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3220 Alcohols	2813 Alcohols
3230 Carboxylic Acids	2819 Basic Chemicals & Basic Chemical Products, NEC
3240 Nitrogen Func Comp	2819 Basic Chemicals & Basic Chemical Products, NEC
3250 Organo-Inorgan Comp	2819 Basic Chemicals & Basic Chemical Products, NEC
3260 Organic Comp NEC	2819 Basic Chemicals & Basic Chemical Products, NEC
3271 Sulphur (Liquid)	1493 Sulphur, Liquid
3272 Sulphuric Acid	2818 Sulphuric Acid
3273 Ammonia	2819 Basic Chemicals & Basic Chemical Products, NEC
3274 Sodium Hydroxide	2810 Sodium Hydroxide (Caustic Soda)
3275 Inorg. Elem., Oxides, & Halogen Salts	2819 Basic Chemicals & Basic Chemical Products, NEC
3276 Metallic Salts	2819 Basic Chemicals & Basic Chemical Products, NEC
3279 Inorganic Chem. NEC	2819 Basic Chemicals & Basic Chemical Products, NEC
3281 Radioactive Material	2816 Radioactive & Associated Materials, Including Waste
3282 Pigments & Paints	2851 Paints, Varnishes, Lacquers, Enamels & Allied Prods
3283 Coloring Mat. NEC	2812 Dyes, Organic Pigment, Dyeing & Tanning Materials
3284 Medicines	2831 Drugs (Biological Prod, Medicinal Chem, Pharmaceut)
3285 Perfumes & Cleansers	2841 Soap, Detergents & Cleaning Preps, Perfume, Cosmetics
3286 Plastics	2821 Plastics, Cellulose & Resins, Film, Sheet, Laminates
3291 Pesticides	2876 Insecticides, Fungicides, Pesticides & Disinfectants
3292 Starches, Gluten, Glue	2891 Miscellaneous Chemical Products
3293 Explosives	1911 Ordnance and Accessories
3297 Chemical Additives	2891 Miscellaneous Chemical Products

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\* Cross Reference List provides the commodity map between the calendar year 1989 publication codes and the current codes used since 1990

## **Publication Commodity Codes - Cross Reference List**

WCSC: PACIFIC COAST, ALASKA AND HAWAII

### **Publication Commodity Codes Cross Reference List (continued) (sorted by 1991 commodity codes)**

<b>1991 Commodity</b>	<b>1989 Commodity</b>
3298 Wood & Resin Chem.	2861 Gum and Wood Chemicals
3299 Chem. Products NEC	2891 Miscellaneous Chemical Products
4110 Rubber & Gums	0841 Crude Rubber and Allied Gums
4150 Fuel Wood	2413 Fuel Wood, Charcoal and Wastes
4161 Wood Chips	2416 Woodchips, Staves, Molding and Excelsior
4170 Wood in the Rough	2411 Logs
.....	2412 Rafted Logs
.....	2414 Timber, Posts, Poles, Piling & Oth Wood in the Rough
.....	2415 Pulpwood Logs
4189 Lumber	2421 Lumber
4190 Forest Products NEC	0861 Forest Products, Not Elsewhere Classified
4225 Pulp & Waste Paper	2611 Pulp
.....	4024 Paper Waste and Scrap
4310 Building Stone	1412 Building Stone, Unworked
4322 Limestone	1411 Limestone Flux and Calcareous Stone
4323 Gypsum	1494 Gypsum, Crude and Plasters
4327 Phosphate Rock	1471 Phosphate Rock
4331 Sand & Gravel	1442 Sand, Gravel and Crushed Rock
4333 Dredged Material	4029 Waste and Scrap, Not Elsewhere Classified
4335 Waterway Improv. Mat	4118 Waterway Improvement Materials, Govt Materials
4338 Soil & Fill Dirt	1499 Nonmetallic Minerals, Except Fuels, NEC
4410 Iron Ore	1011 Iron Ore and Concentrates
4420 Iron & Steel Scrap	4011 Iron and Steel Scrap
4515 Marine Shells	0931 Marine Shells, Unmanufactured
4630 Copper Ore	1021 Copper Ore and Concentrates
4650 Aluminum Ore	1051 Bauxite and Other Aluminum Ores and Concentrates
4670 Manganese Ore	1061 Manganese Ores and Concentrates
4680 Non-Ferrous Scrap	4012 Nonferrous Metal Scrap
4690 Non-Ferrous Ores NEC	1091 Nonferrous Metal Ores and Concentrates, NEC
4741 Sulphur, (Dry)	1492 Sulphur, Dry
4782 Clay & Refrac. Mat.	1451 Clay, Ceramic and Refractory Materials
4783 Salt	1491 Salt
4860 Slag	3312 Slag
4900 Non-Metal. Min. NEC	1499 Nonmetallic Minerals, Except Fuels, NEC
5110 Newsprint	2621 Standard Newsprint Paper
5120 Paper & Paperboard	2631 Paper and Paperboard
5190 Paper Products NEC	2691 Pulp, Paper and Paperboard Products, NEC
5210 Lime	3271 Lime
5220 Cement & Concrete	3241 Building Cement
5240 Glass & Glass Prod.	3211 Glass and Glass Products
5290 Misc. Mineral Prod.	2951 Asphalt Building Materials
.....	3251 Structural Clay Products, Including Refractories
.....	3281 Cut Stone and Stone Products
.....	3291 Miscellaneous Nonmetallic Mineral Products
5312 Pig Iron	3311 Pig Iron
5315 Ferro Alloys	3318 Ferroalloys
5320 I&S Primary Forms	3314 Iron and Steel Ingots and Other Primary Forms
5330 I&S Plates & Sheets	3316 Iron and Steel Plates and Sheets
5360 I&S Bars & Shapes	3315 Iron and Steel Bars, Rods, Angles, Shapes & Sections
5370 I&S Pipe & Tube	3317 Iron and Steel Pipe and Tube
5390 Primary I&S NEC	3319 Primary Iron & Steel Prods, NEC Incl Rough Castings
5421 Copper	3322 Copper & Copper Alloys, Refined, Unrefined, Unworked

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\* Cross Reference List provides the commodity map between the calendar year 1989 publication codes and the current codes used since 1990

## Publication Commodity Codes - Cross Reference List

APPENDIX

### Publication Commodity Codes Cross Reference List (continued) (sorted by 1991 commodity codes)

1991 Commodity	1989 Commodity
5422 Aluminum	3324 Aluminum and Aluminum Alloys, Unworked
5429 Smelted Prod. NEC	3321 Nonferrous Metals Primary Smelter Prod,Wire Castng
.....	3323 Lead and Zinc Including Alloys, Unworked
5480 Fab. Metal Products	3411 Fabricated Metal Prods, Exc Machinery,Transp Equip
5540 Primary Wood Prod.	2431 Veneer, Plywood and Other Worked Wood
6134 Fish (Not Shellfish)	0911 Fresh Fish, Except Shellfish
.....	0913 Menhaden
6136 Shellfish	0912 Shellfish, Except Prepared or Preserved
6241 Wheat	0107 Wheat
6344 Corn	0103 Corn
6442 Rice	0105 Rice
6443 Barley & Rye	0102 Barley and Rye
6445 Oats	0104 Oats
6447 Sorghum Grains	0106 Sorghum Grains
6521 Peanuts	0119 Oilseeds, Not Elsewhere Classified
6522 Soybeans	0111 Soybeans
6534 Flaxseed	0112 Flaxseed
6590 Oilseeds NEC	0119 Oilseeds, Not Elsewhere Classified
6653 Vegetable Oils	2091 Vegetable Oils, All Grades; Margarine & Shortening
6654 Vegetables & Prod.	0141 Fresh and Frozen Vegetables
.....	2034 Vegetables & Preparations,Canned,Prepared & Presvd
6746 Wheat Flour	2041 Wheat Flour and Semolina
6747 Grain Mill Products	2049 Grain Mill Products, Not Elsewhere Classified
6781 Hay & Fodder	0122 Hay and Fodder
6782 Animal Feed, Prep.	2042 Animal Feeds
6811 Meat, Fresh, Frozen	2011 Meat, Fresh, Chilled, or Frozen
6817 Meat, Prepared	2012 Meat & Meat Products Prepared, Preserved or Canned
6822 Dairy Products	2021 Dairy Products, Except Dried Milk and Cream
.....	2022 Dried Milk and Cream
6835 Fish, Prepared	2031 Fish & Fish Products, Incl Shellfish,Prep & Presvd
6838 Tallow, Animal Oils	2014 Tallow, Animal Fats and Oils
.....	2092 Animal Oils and Fats, Not Elsewhere Classified
6839 Animals & Prod. NEC	0151 Live Animals (Livestock) Excl Zoo Animals,Dogs,Etc
.....	0161 Animals and Animal Products, NEC
.....	2015 Animal By-Products, Not Elsewhere Classified
6856 Bananas & Plantains	0132 Bananas and Plantains
6857 Fruit & Nuts NEC	0131 Fresh Fruit
6858 Fruit Juices	2039 Fruit, Fruit & Vegetable Juices Canned,Prep,Presvd
6861 Sugar	2061 Sugar
6865 Molasses	2062 Molasses
6871 Coffee	0133 Coffee, Green and Roasted (Including Instant)
6872 Cocoa Beans	0134 Cocoa Beans
6885 Alcoholic Beverages	2081 Alcoholic Beverages
6887 Groceries	2094 Groceries
6888 Water & Ice	2095 Ice
.....	4111 Water
6889 Food Products NEC	2099 Miscellaneous Food Products
6891 Tobacco & Products	0121 Tobacco, Leaf
.....	2111 Tobacco Manufactures
6893 Cotton	0101 Cotton, Raw
6894 Natural Fibers NEC	2212 Textile Fibers, Not Elsewhere Classified

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\* Cross Reference List provides the commodity map between the calendar year 1989 publication codes and the current codes used since 1990

## ***Publication Commodity Codes - Cross Reference List***

WCSC: PACIFIC COAST, ALASKA AND HAWAII

### **Publication Commodity Codes Cross Reference List (continued) (sorted by 1991 commodity codes)**

<b>1991 Commodity</b>	<b>1989 Commodity</b>
6899 Farm Products NEC	0129 Field Crops, Not Elsewhere Classified
.....	0191 Miscellaneous Farm Products
7110 Machinery (Not Elec)	3511 Machinery, Except Electrical
7120 Electrical Machinery	3611 Electrical Machinery, Equipment and Supplies
7210 Vehicles & Parts	3711 Motor Vehicles, Parts and Equipment
7220 Aircraft & Parts	3721 Aircraft and Parts
7230 Ships & Boats	3731 Ships and Boats
7300 Ordnance & Access.	1911 Ordnance and Accessories
7400 Manufac. Wood Prod.	2491 Wood Manufactures, Not Elsewhere Classified
7500 Textile Products	2211 Basic Textile Products, Except Textile Fibers
.....	2311 Apparel & Other Finished Textile Products,Inc Knit
.....	2823 Synthetic (Man-Made) Fiber
.....	4022 Textile Waste, Scrap and Sweepings
7600 Rubber & Plastic Pr.	2822 Synthetic Rubber
.....	3011 Rubber and Miscellaneous Plastic Products
7800 Empty Containers	4119 Empty Containers
7900 Manufac. Prod. NEC	2311 Apparel & Other Finished Textile Products,Inc Knit
7900 Manufac. Prod. NEC	2511 Furniture and Fixtures
.....	2711 Printed Matter
.....	3111 Leather and Leather Products
.....	3791 Miscellaneous Transportation Equipment
.....	3811 Instruments,Photographic/Optical Goods,Watches,Clk
.....	3911 Miscellaneous Products of Manufacturing
8900 Waste and Scrap NEC	4029 Waste and Scrap, Not Elsewhere Classified
9900 Unknown or NEC	4113 LCL Freight
.....	9999 Dept of Defense Controlled Cargo & Special Items

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\* Cross Reference List provides the commodity map between the calendar year 1989 publication codes and the current codes used since 1990

## **Publication Commodity Codes - Cross Reference List**

APPENDIX

### **Publication Commodity Codes Cross Reference List (sorted by 1989 commodity codes)**

<b>1991 Commodity</b>	<b>1989 Commodity</b>
6893 Cotton	0101 Cotton, Raw
6443 Barley & Rye	0102 Barley and Rye
6344 Corn	0103 Corn
6445 Oats	0104 Oats
6442 Rice	0105 Rice
6447 Sorghum Grains	0106 Sorghum Grains
6241 Wheat	0107 Wheat
6522 Soybeans	0111 Soybeans
6534 Flaxseed	0112 Flaxseed
6521 Peanuts	0119 Oilseeds, Not Elsewhere Classified
6590 Oilseeds NEC	0119
6891 Tobacco & Products	0121 Tobacco, Leaf
6781 Hay & Fodder	0122 Hay and Fodder
6899 Farm Products NEC	0129 Field Crops, Not Elsewhere Classified
6857 Fruit & Nuts NEC	0131 Fresh Fruit
6856 Bananas & Plantains	0132 Bananas and Plantains
6871 Coffee	0133 Coffee, Green and Roasted (Including Instant)
6872 Cocoa Beans	0134 Cocoa Beans
6654 Vegetables & Prod.	0141 Fresh and Frozen Vegetables
6839 Animals & Prod. NEC	0151 Live Animals (Livestock) Excl Zoo Animals, Dogs, Etc
6839 Animals & Prod. NEC	0161 Animals and Animal Products, NEC
6899 Farm Products NEC	0191 Miscellaneous Farm Products
4110 Rubber & Gums	0841 Crude Rubber and Allied Gums
4190 Forest Products NEC	0861 Forest Products, Not Elsewhere Classified
6134 Fish (Not Shellfish)	0911 Fresh Fish, Except Shellfish
6136 Shellfish	0912 Shellfish, Except Prepared or Preserved
6134 Fish (Not Shellfish)	0913 Menhaden
4515 Marine Shells	0931 Marine Shells, Unmanufactured
4410 Iron Ore	1011 Iron Ore and Concentrates
4630 Copper Ore	1021 Copper Ore and Concentrates
4650 Aluminum Ore	1051 Bauxite and Other Aluminum Ores and Concentrates
4670 Manganese Ore	1061 Manganese Ores and Concentrates
4690 Non-Ferrous Ores NEC	1091 Nonferrous Metal Ores and Concentrates, NEC
1100 Coal & Lignite	1121 Coal and Lignite
2100 Crude Petroleum	1311 Crude Petroleum
4322 Limestone	1411 Limestone Flux and Calcareous Stone
4310 Building Stone	1412 Building Stone, Unworked
4331 Sand & Gravel	1442 Sand, Gravel and Crushed Rock
4782 Clay & Refrac. Mat.	1451 Clay, Ceramic and Refractory Materials
4327 Phosphate Rock	1471 Phosphate Rock
3190 Fert and Mixes NEC	1479 Natural Fertilizer Materials, NEC
4783 Salt	1491 Salt
4741 Sulphur, (Dry)	1492 Sulphur, Dry
3271 Sulphur (Liquid)	1493 Sulphur, Liquid
4323 Gypsum	1494 Gypsum, Crude and Plasters
4338 Soil & Fill Dirt	1499 Nonmetallic Minerals, Except Fuels, NEC
4900 Non-Metal. Min. NEC	1499
3293 Explosives	1911 Ordnance and Accessories
7300 Ordnance & Access.	1911
6811 Meat, Fresh, Frozen	2011 Meat, Fresh, Chilled, or Frozen
6817 Meat, Prepared	2012 Meat & Meat Products Prepared, Preserved or Canned
6838 Tallow, Animal Oils	2014 Tallow, Animal Fats and Oils

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\* Cross Reference List provides the commodity map between the calendar year 1989 publication codes and the current codes used since 1990

## **Publication Commodity Codes - Cross Reference List**

WCSC: PACIFIC COAST, ALASKA AND HAWAII

### **Publication Commodity Codes Cross Reference List (continued) (sorted by 1989 commodity codes)**

<b>1991 Commodity</b>	<b>1989 Commodity</b>
6839 Animals & Prod. NEC	2015 Animal By-Products, Not Elsewhere Classified
6822 Dairy Products	2021 Dairy Products, Except Dried Milk and Cream
6822 Dairy Products	2022 Dried Milk and Cream
6835 Fish, Prepared	2031 Fish & Fish Products, Incl Shellfish, Prep & Presvd
6654 Vegetables & Prod.	2034 Vegetables & Preparations, Canned, Prepared & Presvd
6858 Fruit Juices	2039 Fruit, Fruit & Vegetable Juices Canned, Prep, Presvd
6746 Wheat Flour	2041 Wheat Flour and Semolina
6782 Animal Feed, Prep.	2042 Animal Feeds
6747 Grain Mill Products	2049 Grain Mill Products, Not Elsewhere Classified
6861 Sugar	2061 Sugar
6865 Molasses	2062 Molasses
6885 Alcoholic Beverages	2081 Alcoholic Beverages
6653 Vegetable Oils	2091 Vegetable Oils, All Grades; Margarine & Shortening
6838 Tallow, Animal Oils	2092 Animal Oils and Fats, Not Elsewhere Classified
6887 Groceries	2094 Groceries
6888 Water & Ice	2095 Ice
6889 Food Products NEC	2099 Miscellaneous Food Products
6891 Tobacco & Products	2111 Tobacco Manufactures
7500 Textile Products	2211 Basic Textile Products, Except Textile Fibers
6894 Natural Fibers NEC	2212 Textile Fibers, Not Elsewhere Classified
7500 Textile Products	2311 Apparel & Other Finished Textile Products, Inc Knit
4170 Wood in the Rough	2411 Logs
4170 Wood in the Rough	2412 Rafted Logs
4150 Fuel Wood	2413 Fuel Wood, Charcoal and Wastes
4170 Wood in the Rough	2414 Timber, Posts, Poles, Piling & Oth Wood in the Rough
4170 Wood in the Rough	2415 Pulpwood Logs
4161 Wood Chips	2416 Woodchips, Staves, Molding and Excelsior
4189 Lumber	2421 Lumber
5540 Primary Wood Prod.	2431 Veneer, Plywood and Other Worked Wood
7400 Manufac. Wood Prod.	2491 Wood Manufactures, Not Elsewhere Classified
7900 Manufac. Prod. NEC	2511 Furniture and Fixtures
4225 Pulp & Waste Paper	2611 Pulp
5110 Newsprint	2621 Standard Newsprint Paper
5120 Paper & Paperboard	2631 Paper and Paperboard
5190 Paper Products NEC	2691 Pulp, Paper and Paperboard Products, NEC
7900 Manufac. Prod. NEC	2711 Printed Matter
3274 Sodium Hydroxide	2810 Sodium Hydroxide (Caustic Soda)
3211 Acyclic Hydrocarbons	2811 Crude Products from Coal, Tar, Petroleum & Nat Gas
3219 Other Hydrocarbons	2811
3283 Coloring Mat. NEC	2812 Dyes, Organic Pigment, Dyeing & Tanning Materials
3220 Alcohols	2813 Alcohols
3281 Radioactive Material	2816 Radioactive & Associated Materials, Including Waste
3212 Benzene & Toluene	2817 Benzene and Toluene, Crude and Commercially Pure
3272 Sulphuric Acid	2818 Sulphuric Acid
3230 Carboxylic Acids	2819 Basic Chemicals & Basic Chemical Products, NEC
3240 Nitrogen Func. Comp.	2819
3250 Organo-Inorgan Comp	2819
3260 Organic Comp. NEC	2819
3273 Ammonia	2819
3275 Inorg Elem, Oxides, & Halogen Salts	2819
3276 Metallic Salts	2819
3279 Inorganic Chem. NEC	2819
3286 Plastics	2821 Plastics, Cellulose & Resins, Film, Sheeting, Laminate
7600 Rubber & Plastic Products	2822 Synthetic Rubber

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\* Cross Reference List provides the commodity map between the calendar year 1989 publication codes and the current codes used since 1990

## *Publication Commodity Codes - Cross Reference List*

APPENDIX

### Publication Commodity Codes Cross Reference List (continued) (sorted by 1989 commodity codes)

<b>1991 Commodity</b>	<b>1989 Commodity</b>
7500 Textile Products	2823 Synthetic (Man-Made) Fiber
3284 Medicines	2831 Drugs (Biological Prod,Medicinal Chem,Pharmaceut)
3285 Perfumes & Cleansers	2841 Soap,Detergents & Cleaning Preps,Perfume,Cosmetics
3282 Pigments & Paints	2851 Paints, Varnishes, Lacquers, Enamels & Allied Prod
3298 Wood & Resin Chem.	2861 Gum and Wood Chemicals
3110 Nitrogenous Fert.	2871 Nitrogenous Chemical Fertilizers, Except Mixtures
3130 Potassic Fert.	2872 Potassic Chemical Fertilizers, Except Mixtures
3120 Phosphatic Fert.	2873 Phosphatic Chemical Fertilizers, Except Mixtures
3291 Pesticides	2876 Insecticides,Fungicides,Pesticides & Disinfectants
3190 Fert. & Mixes NEC	2879 Fertilizers and Fertilizer Materials, NEC
3292 Starches,Gluten,Glue	2891 Miscellaneous Chemical Products
3297 Chemical Additives	2891
3299 Chem. Products NEC	2891
2211 Gasoline	2911 Gasoline, Including Additives
2211 Gasoline	2912 Jet Fuel
2221 Kerosene	2913 Kerosene
2330 Distillate Fuel Oil	2914 Distillate Fuel Oil
2340 Residual Fuel Oil	2915 Residual Fuel Oil
2350 Lube Oil & Greases	2916 Lubricating Oil and Greases
2429 Naphtha & Solvents	2917 Naphtha, Mineral Spirits, Solvent, NEC
2430 Asphalt, Tar & Pitch	2918 Asphalt, Tar and Pitches
1200 Coke	2920 Coke, including Petroleum Coke
2540 Petroleum Coke	2920
2640 Liquid Natural Gas	2921 Liquefied Petroleum Gases,Coal Gas,Nat Gas/Liquid
5290 Misc. Mineral Prod.	2951 Asphalt Building Materials
2410 Petro. Jelly & Waxes	2991 Petroleum and Coal Products, NEC
2990 Petro. Products NEC	2991 Petroleum and Coal Products, NEC
7600 Rubber & Plastic Pr.	3011 Rubber and Miscellaneous Plastic Products
7900 Manufac. Prod. NEC	3111 Leather and Leather Products
5240 Glass & Glass Prod.	3211 Glass and Glass Products
5220 Cement & Concrete	3241 Building Cement
5290 Misc. Mineral Prod.	3251 Structural Clay Products, Including Refractories
5210 Lime	3271 Lime
5290 Misc. Mineral Prod.	3281 Cut Stone and Stone Products
5290 Misc. Mineral Prod.	3291 Miscellaneous Nonmetallic Mineral Products
5312 Pig Iron	3311 Pig Iron
4860 Slag	3312 Slag
2990 Petro. Products NEC	3313 Coke(coal & petroleum), petroleum pitches and asphalts, and naphtha and solvents
5320 I&S Primary Forms	3314 Iron and Steel Ingots and Other Primary Forms
5360 I&S Bars & Shapes	3315 Iron and Steel Bars,Rods,Angles,Shapes & Sections
5330 I&S Plates & Sheets	3316 Iron and Steel Plates and Sheets
5370 I&S Pipe & Tube	3317 Iron and Steel Pipe and Tube
5315 Ferro Alloys	3318 Ferroalloys
5390 Primary I&S NEC	3319 Primary Iron & Steel Prods,NEC Incl Rough Castings
5429 Smelted Prod. NEC	3321 Nonferrous Metals Primary Smelter Prod,Wire Castng
5421 Copper	3322 Copper & Copper Alloys, Refined,Unrefined,Unworked
5429 Smelted Prod. NEC	3323 Lead and Zinc Including Alloys, Unworked
5422 Aluminum	3324 Aluminum and Aluminum Alloys, Unworked
5480 Fab. Metal Products	3411 Fabricated Metal Prods, Exc Machinery,Transp Equip
7110 Machinery (Not Elec)	3511 Machinery, Except Electrical
7120 Electrical Machinery	3611 Electrical Machinery, Equipment and Supplies
7210 Vehicles & Parts	3711 Motor Vehicles, Parts and Equipment
7220 Aircraft & Parts	3721 Aircraft and Parts

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\* Cross Reference List provides the commodity map between the calendar year 1989 publication codes and the current codes used since 1990

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
0	Units	200	Vehicles	10	Transported Autos (E.G., Ferried Autos)
0	Units	200	Vehicles	15	Misc. Other Ferried Vehicles
0	Units	200	Vehicles	20	Railway Cars (Loaded)
0	Units	200	Vehicles	30	Railway Cars (Empty)
0	Units	300	Passengers	40	Passengers Only
10	Coal	1100	Coal Lignite	32100	Coal, Whether or not Pulverized, but Not Agglomerat
10	Coal	1100	Coal Lignite	32210	Briquettes, Ovoids & Similar Solid Fuels from Coal
10	Coal	1100	Coal Lignite	32220	Lignite, Whether or not Pulverized (Excluding Jet)
10	Coal	1100	Coal Lignite	32230	Peat (Including Peat Litter), Agglomerated or Not
10	Coal	1200	Coal Coke	32500	Coke, Semi-Coke of Coal, of Lignite or of Peat
21	Crude Petroleum	2100	Crude Petroleum	33300	Petroleum Oils/Oils from Bituminous Minerals, Crude
22	Gasoline, Jet Fuel, Kerosene	2211	Gasoline	33411	Gasoline Including Aviation (Except Jet)
22	Gasoline, Jet Fuel, Kerosene	2211	Gasoline	33412	Jet Fuel (Gasoline Type)
22	Gasoline, Jet Fuel, Kerosene	2221	Kerosene	33421	Kerosene (Including Kerosene Type Jet Fuel)
23	Distillate, Residual & Other Fuels	2330	Distillate Fuel Oil	33419	Other Light Oils from Petroleum & Bitum Minerals
23	Distillate, Residual & Other Fuels	2330	Distillate Fuel Oil	33430	Gas Oils
23	Distillate, Residual & Other Fuels	2340	Residual Fuel Oil	33440	Fuel Oils, NEC
23	Distillate, Residual & Other Fuels	2350	Lube Oil & Greases	33450	Lubricating Petroleum Oils from Petrol & Bitum Min
24	Petroleum Pitches, Coke, Asphalt, Napht	2410	Petro. Jelly & Waxes	33510	Petroleum Jelly; Waxes Obtained by Synthesis/Other
24	Petroleum Pitches, Coke, Asphalt, Napht	2429	Naphtha & Solvents	33429	Other Medium Oils from Petroleum & Bitum Minerals
24	Petroleum Pitches, Coke, Asphalt, Napht	2430	Asphalt, Tar & Pitch	33521	Tar Distilled from Coal, Lignite or Peat; Other Tars
24	Petroleum Pitches, Coke, Asphalt, Napht	2430	Asphalt, Tar & Pitch	33522	Benzole
24	Petroleum Pitches, Coke, Asphalt, Napht	2430	Asphalt, Tar & Pitch	33523	Toluole
24	Petroleum Pitches, Coke, Asphalt, Napht	2430	Asphalt, Tar & Pitch	33524	Xylole
24	Petroleum Pitches, Coke, Asphalt, Napht	2430	Asphalt, Tar & Pitch	33525	Oils & Other Prods, NEC of Distillation of Coal Tar
24	Petroleum Pitches, Coke, Asphalt, Napht	2430	Asphalt, Tar & Pitch	33530	Pitch & Pitch Coke from Coal Tar/Oth Mineral Tars

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
24	Petroleum Pitches, Coke, Asphalt, Napht	2540	Petroleum Coke	33540	Petro.Bitumen,Petro.Coke,Asphalt,Butumen mixes NEC
29	Petroleum Products NEC	2640	Liquid Natural Gas	34000	Gas, Natural and Manufactured
29	Petroleum Products NEC	2990	Petro. Products NEC	33590	Petroleum Products, Not Elsewhere Classified
31	Fertilizers	3110	Nitrogenous Fert.	27220	Sodium Nitrate
31	Fertilizers	3110	Nitrogenous Fert.	56211	Ammonium Nitrate Fertilizers
31	Fertilizers	3110	Nitrogenous Fert.	56212	Double Salts,Mixt of Ammon Sulfate & Ammon Nitrate
31	Fertilizers	3110	Nitrogenous Fert.	56213	Ammonium Sulfate Fertilizers
31	Fertilizers	3110	Nitrogenous Fert.	56214	Double Salts & Mixtures of Calcium/Ammonim Nitrate
31	Fertilizers	3110	Nitrogenous Fert.	56215	Calcium Cyanimide Fertilizers
31	Fertilizers	3110	Nitrogenous Fert.	56216	Urea Fertilizers
31	Fertilizers	3110	Nitrogenous Fert.	56217	Fertilizers, Urea & Ammonium Nitrate Mixes,Etc
31	Fertilizers	3110	Nitrogenous Fert.	56219	Mineral or Chemical Fertilizers, Nitrogenous,NEC
31	Fertilizers	3120	Phosphatic Fert.	56221	Basic Slag Fertilizers (Thomas Slag)
31	Fertilizers	3120	Phosphatic Fert.	56222	Superphosphate Fertilizers
31	Fertilizers	3120	Phosphatic Fert.	56229	Mineral or Chemical Fertilizers, Phosphatic, NEC
31	Fertilizers	3130	Potassic Fert.	27240	Carnallite,Sylvite & Other Crude Not Potassm Salts
31	Fertilizers	3130	Potassic Fert.	56231	Potassium Chloride Fertilizers
31	Fertilizers	3130	Potassic Fert.	56232	Potassium Sulfate Fertilizers
31	Fertilizers	3130	Potassic Fert.	56239	Mineral or Chemical Fertilizers, Potassic, NEC
31	Fertilizers	3190	Fert. & Mixes NEC	27210	Animal or Vegetable Fertilizers
31	Fertilizers	3190	Fert. & Mixes NEC	56291	Fertilizers-Nitrogen,Phosphorus,Potassium (Mix)
31	Fertilizers	3190	Fert. & Mixes NEC	56292	Fertilizers-Phosphorus,Potassium (Mix)
31	Fertilizers	3190	Fert. & Mixes NEC	56293	Diammonium Phosphate (DAP)
31	Fertilizers	3190	Fert. & Mixes NEC	56294	Monoammonium Phosphate(MAP) & DAP/MAP mix
31	Fertilizers	3190	Fert. & Mixes NEC	56295	Fertilizers-Nitrogen,Phosphorus (Mix)
31	Fertilizers	3190	Fert. & Mixes NEC	56296	Fertilizers in Tablet form

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
31	Fertilizers	3190	Fert. & Mixes NEC	56299	Fertilizers, NEC
32	Chemicals and Related Products	3211	Acyclic Hydrocarbons	51111	Ethylene
32	Chemicals and Related Products	3211	Acyclic Hydrocarbons	51112	Propene
32	Chemicals and Related Products	3211	Acyclic Hydrocarbons	51113	Butylenes,Butadienes,Methylbutadienes
32	Chemicals and Related Products	3211	Acyclic Hydrocarbons	51114	Saturated Acyclic Hydrocarbons
32	Chemicals and Related Products	3211	Acyclic Hydrocarbons	51119	Acyclic Hydrocarbons, NEC
32	Chemicals and Related Products	3212	Benzene & Toluene	51122	Benzene, Pure
32	Chemicals and Related Products	3212	Benzene & Toluene	51123	Toluene, Pure
32	Chemicals and Related Products	3219	Other Hydrocarbons	51121	Cyclohexane
32	Chemicals and Related Products	3219	Other Hydrocarbons	51124	Xylenes, Pure
32	Chemicals and Related Products	3219	Other Hydrocarbons	51125	Styrene
32	Chemicals and Related Products	3219	Other Hydrocarbons	51126	Ethylbenzene
32	Chemicals and Related Products	3219	Other Hydrocarbons	51127	Cumene
32	Chemicals and Related Products	3219	Other Hydrocarbons	51129	Cyclic Hydrocarbons, NEC
32	Chemicals and Related Products	3219	Other Hydrocarbons	51131	Vinyl Chloride (Chloroethylene)
32	Chemicals and Related Products	3219	Other Hydrocarbons	51132	Trichloroethylene
32	Chemicals and Related Products	3219	Other Hydrocarbons	51133	Tetrecthoroethylene (Perechoroethylene)
32	Chemicals and Related Products	3219	Other Hydrocarbons	51134	Unsaturated Chlor Deriv of Acyclic Hydrocarbons,NEC
32	Chemicals and Related Products	3219	Other Hydrocarbons	51135	1,2-Dichloroethane (Ethylene Dichloride)
32	Chemicals and Related Products	3219	Other Hydrocarbons	51136	Saturated Chlor Deriv of Acyclic Hydrocarb,NEC
32	Chemicals and Related Products	3219	Other Hydrocarbons	51137	Fluorinated,Etc Derivatives of Acyclic Hydrocarbns
32	Chemicals and Related Products	3219	Other Hydrocarbons	51138	Halogenated Deriv Acyclic Hydrocarb Over 1 Halogen
32	Chemicals and Related Products	3219	Other Hydrocarbons	51139	Halogenated Derivatives of Hydrocarbons, NEC
32	Chemicals and Related Products	3219	Other Hydrocarbons	51140	Sulphonated,Nitrated,Nitrosated Hydrocarbon Deriv
32	Chemicals and Related Products	3220	Alcohols	51211	Methanol (Methyl Alcohol)
32	Chemicals and Related Products	3220	Alcohols	51212	Propan-1-ol(propyl),Propan-2-ol(isopropyl alcohol)

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3220	Alcohols	51213	Butanols
32	Chemicals and Related Products	3220	Alcohols	51214	Octanol (Octyl Alcohol) and Isomers Thereof
32	Chemicals and Related Products	3220	Alcohols	51215	Ethyl Alcohol (Not Denatured) 80% or More Alcohol
32	Chemicals and Related Products	3220	Alcohols	51216	Ethyl Alcohol & Other Spirits, Denatured Any Strength
32	Chemicals and Related Products	3220	Alcohols	51217	Fatty Alcohols, Industrial
32	Chemicals and Related Products	3220	Alcohols	51219	Other Monohydric Alcohols, NEC
32	Chemicals and Related Products	3220	Alcohols	51221	Ethylene Glycol (Ethandiol)
32	Chemicals and Related Products	3220	Alcohols	51222	Glycerol (Glycerine), Glycerol Waters & Glycerol Lye
32	Chemicals and Related Products	3220	Alcohols	51223	Pentaerythritol
32	Chemicals and Related Products	3220	Alcohols	51224	Mannitol
32	Chemicals and Related Products	3220	Alcohols	51225	D-Glucitol (Sorbitol)
32	Chemicals and Related Products	3220	Alcohols	51229	Other Acyclic Alcohols, NEC
32	Chemicals and Related Products	3220	Alcohols	51231	Cyclic, Etc Alcohols & Their Halogenated, Etc Deriv
32	Chemicals and Related Products	3220	Alcohols	51235	Aromatic Cyclic Alcohols & Halogenated, Etc Deriv
32	Chemicals and Related Products	3220	Alcohols	51241	Phenol (Hydroxybenzene), Pure, and Its Salts
32	Chemicals and Related Products	3220	Alcohols	51242	Cresols, NEC, and Their Salts
32	Chemicals and Related Products	3220	Alcohols	51243	Other Phenols and Phenol-Alcohols, NEC
32	Chemicals and Related Products	3220	Alcohols	51244	Halogenated, Etc Deriv of Phenols, Phenol-Alcohols
32	Chemicals and Related Products	3220	Alcohols	51299	Alcohols, NEC
32	Chemicals and Related Products	3230	Carboxylic Acids	51371	Acetic Acid and Its Salts
32	Chemicals and Related Products	3230	Carboxylic Acids	51372	Esters of Acetic Acid
32	Chemicals and Related Products	3230	Carboxylic Acids	51373	Methacrylic Acid and Its Salts and Esters
32	Chemicals and Related Products	3230	Carboxylic Acids	51374	Formic Acid and Its Salts and Esters
32	Chemicals and Related Products	3230	Carboxylic Acids	51375	Butyric Acids, Valeric Acids, Their Salts & Esters
32	Chemicals and Related Products	3230	Carboxylic Acids	51376	Palmitic Acid, Stearic Acid, Their Salts & Esters
32	Chemicals and Related Products	3230	Carboxylic Acids	51377	Saturated Acyclic Monocarboxylic Acids, NEC & Deriv

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3230	Carboxylic Acids	51378	Oleic, Linoleic or Linolenic Acids, Salts & Esters
32	Chemicals and Related Products	3230	Carboxylic Acids	51379	Unsaturated Acyclic Monocarboxylic Acids,NEC;Deriv
32	Chemicals and Related Products	3230	Carboxylic Acids	51381	Maleic Anhydride
32	Chemicals and Related Products	3230	Carboxylic Acids	51382	Phthalic Anhydride
32	Chemicals and Related Products	3230	Carboxylic Acids	51383	Dioctyl Orthophthalates
32	Chemicals and Related Products	3230	Carboxylic Acids	51384	Dimethyl Terephthalate
32	Chemicals and Related Products	3230	Carboxylic Acids	51385	Polycarboxylic Acids,Anhydrides,Etc & Derivatives
32	Chemicals and Related Products	3230	Carboxylic Acids	51389	Polycarboxylic Acids,NEC; Anhydrides,Halides,Etc
32	Chemicals and Related Products	3230	Carboxylic Acids	51391	Lactic, Tartaric & Citric Acids & Salts & Esters
32	Chemicals and Related Products	3230	Carboxylic Acids	51392	Carboxylic Acids with Alcohol Function,Deriv, NEC
32	Chemicals and Related Products	3230	Carboxylic Acids	51393	Salicylic Acid and Its Salts and Esters
32	Chemicals and Related Products	3230	Carboxylic Acids	51394	Carboxylic Acids with Phenol Function,Deriv, NEC
32	Chemicals and Related Products	3230	Carboxylic Acids	51395	Carboxylic Acids,Aldehyde or Ketone Function,Deriv
32	Chemicals and Related Products	3230	Carboxylic Acids	51396	Carboxylic Acids with Oxygen Functions,NEC; Deriv
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51451	Acyclic Monoamides and Their Derivatives; Salts of
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51452	Acyclic Polyamides and Their Derivatives; Salts of
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51453	Cyclanic,etc Mono- or Polyamines, Deriv & Salts of
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51454	Aromatic Monoamines and Derivatives; Salts Thereof
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51455	Aromatic Polyamines and Derivatives; Salts Thereof
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51461	Amino-Alcohols,Ethers & Esters; Salts Thereof
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51462	Amino-Naphthols,Amino-Phenols, Ethers,Esters & Salt
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51463	Amino-Aldehydes,Amino_Ketones,Amino-Quiones;Salts
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51464	Lysine, Esters & Salts of; Glutamic Acids & Salts
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51465	Amino Acids & Esters,NEC; Salts Thereof
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51467	Amino-Alcohol-Phenols,Amino-Acid-Phenols(Oxy Func)
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51471	Acyclic Amides(Inc Carbamates) & Derivatives;Salts

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51473	Ureines and Their Derivatives; Salts Thereof
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51479	Other Cyclic Amides, NEC and Derivatives; Salts of
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51481	Quaternary Ammonium Salts & Hydroxides; Lecithins
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51482	Carboxyimide-Function & Amine-Function Compounds
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51483	Acrylonitrile
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51484	Nitrile-Function Compounds, NEC
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51485	Diazo-, Azo- and Azoxy-Compounds
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51486	Organic Derivatives of Hydrazine or Hydroxylamine
32	Chemicals and Related Products	3240	Nitrogen Func. Comp.	51489	Compounds with Other Nitrogen Function
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51541	Dithiocarbonates (Xanthates)
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51542	Thiocarbamates and Dithiocarbamates
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51543	Thiuram Mono-, Di-, or Tetrasulfides
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51544	Methionine
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51549	Organo-Sulfur Compounds, NEC
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51550	Organo-Inorganic Compounds, NEC
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51561	Lactams
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51562	Coumarin, Methylcoumarins & Ethylcoumarins
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51563	Lactones, NEC
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51569	Heterocyclic Compounds w/Oxygen Hetero-Atom(s) Only
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51571	Heterocyclic Comp, with Unfused Pyrazole Ring
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51572	Hydantoin and Its Derivatives
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51573	Heterocyclic Compds NEC with Unfused Imazole Ring
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51574	Heterocyclic Compounds with Unfused Pyridine Ring
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51575	Heterocyclic Compounds with a Quinoline Ring
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51576	Heterocyclic Compounds with a Pyrimidine Ring
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51577	Oth Heterocyclic Compounds w/Nitrogen Hetero-Atoms

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51578	Heterocyclic Compounds with Phenothiazine Ring
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51579	Heterocyclic Compounds, NEC
32	Chemicals and Related Products	3250	Organo-Inorgan. Comp	51580	Sulfonamides
32	Chemicals and Related Products	3260	Organic Comp. NEC	51612	Acetals, Hemiacetals & Their Halogenated, Etc Deriv
32	Chemicals and Related Products	3260	Organic Comp. NEC	51613	Oxirane (Ethylene Oxide)
32	Chemicals and Related Products	3260	Organic Comp. NEC	51614	Methyloxirane (Propylene Oxide)
32	Chemicals and Related Products	3260	Organic Comp. NEC	51615	Epoxides, Epoxyalcohols, Epoxyphenols & Deriv, NEC
32	Chemicals and Related Products	3260	Organic Comp. NEC	51616	Acyclic, Cyclanic, Cyclenic, Cycloterpenic Ethers; Der
32	Chemicals and Related Products	3260	Organic Comp. NEC	51617	Ether-Alcohols, Ether-Phenols, Ether-Alcohol-Phenols
32	Chemicals and Related Products	3260	Organic Comp. NEC	51621	Acyclic Aldehydes without Other Oxygen Function
32	Chemicals and Related Products	3260	Organic Comp. NEC	51622	Oth Aldehydes; Cyclic Polymers of Alde; Paraformaldh
32	Chemicals and Related Products	3260	Organic Comp. NEC	51623	Acetone
32	Chemicals and Related Products	3260	Organic Comp. NEC	51624	Butanone (Ethyl Methyl Ketone)
32	Chemicals and Related Products	3260	Organic Comp. NEC	51625	Acyclic Ketones without Other Oxygen Function, NEC
32	Chemicals and Related Products	3260	Organic Comp. NEC	51626	Deriv of Aldehyde Compds, Halogenatd, Sulfonatd, Etc
32	Chemicals and Related Products	3260	Organic Comp. NEC	51627	Camphor
32	Chemicals and Related Products	3260	Organic Comp. NEC	51628	Cyclanic, Cyclenic or Cycloterpenic Ketones, NEC
32	Chemicals and Related Products	3260	Organic Comp. NEC	51629	Aromatic Ketones; Ketone Alcohols, Etc; Quinones
32	Chemicals and Related Products	3260	Organic Comp. NEC	51631	Phosphoric Esters & Salts; Halogenated, Etc Deriv
32	Chemicals and Related Products	3260	Organic Comp. NEC	51639	Esters of Inorganic Acids; Their Salts & Deriv
32	Chemicals and Related Products	3260	Organic Comp. NEC	51691	Enzymes; Prepared Enzymes, NEC
32	Chemicals and Related Products	3260	Organic Comp. NEC	51692	Pure Sugars, NEC; Sugar Ethers & Esters & Salts
32	Chemicals and Related Products	3260	Organic Comp. NEC	51699	Other Organic Compounds, NEC
32	Chemicals and Related Products	3271	Sulphur (Liquid)	52226	Sulfur, Sublimed or Precipitated; Colloidal Sulfur
32	Chemicals and Related Products	3272	Sulphuric Acid	52232	Sulfuric Acid; Oleum
32	Chemicals and Related Products	3273	Ammonia	52261	Ammonia, Anhydrous, or in Aqueous Solution

## Commodity Mapping Table

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3274	Sodium Hydroxide	52262	Sodium Hydroxide (Caustic Soda), Solid
32	Chemicals and Related Products	3274	Sodium Hydroxide	52263	Sodium Hydroxide Aqueous Soln(Soda Lye,Liq Soda)
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52210	Carbon (Including Carbon Black), NEC
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52221	Hydrogen, Rare Gases, Nitrogen and Oxygen
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52222	Selenium, Tellurium, Phosphorus, Arsenic and Boron
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52223	Silicon
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52224	Chlorine
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52225	Flourine, Bromine and Iodine
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52227	Mercury
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52228	Sodium and Other Alkali Metals
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52229	Calcium, Strontium & Barium; Rare Earth Metals
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52231	Hydrogen Chloride; Chlorosulfuric Acid
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52233	Nitric Acid; Sulfinic Acids
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52234	Diphosphorus Pentoxide; Phosphoric Acid
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52235	Oxides of Boron; Boric Acids
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52236	Other Inorganic Acids, NEC
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52237	Silicon Dioxide
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52238	Sulfur Dioxide
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52239	Other Inorganic Oxygen Compounds of Non-Metals
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52241	Halides and Halide Oxides of Non-Metals
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52242	Non-Metal Sulfides;Commercl Phosphorous Trisulfide
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52251	Zinc Oxide; Zinc Peroxide
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52252	Chromium Oxides and Hydroxides
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52253	Manganese Oxides
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52254	Iron Oxides & Hydroxides;Earth Colors >= 70% FE2O3
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52255	Cobalt Oxides & Hydroxides;Commercial Cobalt Oxides

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52256	Titanium Oxides
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52257	Lead Oxides; Red Lead and Orange Lead
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52264	Potassium Hydroxide;Peroxides of Sodium,Potassium
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52265	Hydroxide & Peroxide of Mangesium,Strontium,Barium
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52266	Aluminum Hydroxide
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52267	Artificial Corundum
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52268	Hydrazine & Hydroxylamine & Their Inorganic Salts
32	Chemicals and Related Products	3275	Inorg. Elem.,Oxides, & H	52269	Oth Inorganic Bases,Metal Oxides,Hydroxides,Peroxi
32	Chemicals and Related Products	3276	Metallic Salts	52310	Flourides;Fluorosilicates,Fluoroaluminates, Etc
32	Chemicals and Related Products	3276	Metallic Salts	52321	Ammonium Chloride
32	Chemicals and Related Products	3276	Metallic Salts	52322	Calcium Chloride
32	Chemicals and Related Products	3276	Metallic Salts	52329	Chlorides,Bromides,Iodides,; Oxides & Hydroxides
32	Chemicals and Related Products	3276	Metallic Salts	52331	HypoChlorites;Commrl Calcium Hypochlorite;HypoBrom
32	Chemicals and Related Products	3276	Metallic Salts	52332	Sodium Chlorate
32	Chemicals and Related Products	3276	Metallic Salts	52339	Chlorates,Bromates,Iodates;Perchlorates,Etc NEC
32	Chemicals and Related Products	3276	Metallic Salts	52341	Sodium Sulfide
32	Chemicals and Related Products	3276	Metallic Salts	52342	Other Sulfides; Polysulfides
32	Chemicals and Related Products	3276	Metallic Salts	52343	Dithionites and Sulfoxylates
32	Chemicals and Related Products	3276	Metallic Salts	52344	Sulfites; Thiosulfates
32	Chemicals and Related Products	3276	Metallic Salts	52345	Sodium Sulfates
32	Chemicals and Related Products	3276	Metallic Salts	52349	Other Sulfates; ALUMS
32	Chemicals and Related Products	3276	Metallic Salts	52351	Nitrites
32	Chemicals and Related Products	3276	Metallic Salts	52352	Potassium Nitrate
32	Chemicals and Related Products	3276	Metallic Salts	52359	Other Nitrates
32	Chemicals and Related Products	3276	Metallic Salts	52361	Phosphinates and Phosponates
32	Chemicals and Related Products	3276	Metallic Salts	52362	Triammonium Phosphate

## Commodity Mapping Table

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3276	Metallic Salts	52363	Other Phosphates
32	Chemicals and Related Products	3276	Metallic Salts	52364	Sodium Triphosphate (Sodium Tripolyphosphate)
32	Chemicals and Related Products	3276	Metallic Salts	52365	Other Polyphosphates
32	Chemicals and Related Products	3276	Metallic Salts	52371	Commerical Ammonium Carbonates & Others
32	Chemicals and Related Products	3276	Metallic Salts	52372	Neutral Sodium Carbonate (Disodium Carbonate)
32	Chemicals and Related Products	3276	Metallic Salts	52373	Sodium Hydrogencarbonate (Sodium Bicarbonate)
32	Chemicals and Related Products	3276	Metallic Salts	52374	Potassium Carbonates
32	Chemicals and Related Products	3276	Metallic Salts	52375	Lead Carbonate
32	Chemicals and Related Products	3276	Metallic Salts	52379	Other Carbonates
32	Chemicals and Related Products	3276	Metallic Salts	52381	Cyanides, Cyanide Oxides and Complex Cyanides
32	Chemicals and Related Products	3276	Metallic Salts	52382	Fulminates, Cyanates and Thiocyanates
32	Chemicals and Related Products	3276	Metallic Salts	52383	Silicates; Commercial Alkali Metal Silicates
32	Chemicals and Related Products	3276	Metallic Salts	52384	Borates; Peroxoborates (Perborates)
32	Chemicals and Related Products	3276	Metallic Salts	52389	Salts of Inorganic Acids or Peroxoacids, NEC
32	Chemicals and Related Products	3279	Inorganic Chem. NEC	52431	Salts of Oxometallic or Peroxometallic Acids
32	Chemicals and Related Products	3279	Inorganic Chem. NEC	52432	Colloidal Precious Metals; Precious Metal Cmpd Etc
32	Chemicals and Related Products	3279	Inorganic Chem. NEC	52491	Hydrogen Peroxide, Solidified or not With Urea
32	Chemicals and Related Products	3279	Inorganic Chem. NEC	52492	Phosphides (Excluding Ferrophosphorus)
32	Chemicals and Related Products	3279	Inorganic Chem. NEC	52493	Calcium Carbide, Chemically Defined or Not
32	Chemicals and Related Products	3279	Inorganic Chem. NEC	52494	Carbides(Exc Calcium Carbide) Chem Defined or Not
32	Chemicals and Related Products	3279	Inorganic Chem. NEC	52495	Hydrides, Nitrides, Azides, Silicides and Borides
32	Chemicals and Related Products	3279	Inorganic Chem. NEC	52499	Inorganic Compounds, NEC; Liq & Comp Air; Amalgams
32	Chemicals and Related Products	3281	Radioactive Material	52511	Natural Uranium & Compounds, Alloys
32	Chemicals and Related Products	3281	Radioactive Material	52513	Uranium Enriched in U235,Etc; Plutonium,Alloys,Etc
32	Chemicals and Related Products	3281	Radioactive Material	52515	Uranium Depleted in U235,Etc;Thorium;Alloys, Etc
32	Chemicals and Related Products	3281	Radioactive Material	52517	Spent Fuel Elements From Nuclear Reactors

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3281	Radioactive Material	52519	Radioactive Elements & Isotopes,Etc,NEC; Residues
32	Chemicals and Related Products	3281	Radioactive Material	52591	Stable Isotopes and Their Compounds
32	Chemicals and Related Products	3281	Radioactive Material	52595	Org/Inor Rare Earth Metal Cmpd of Yttrium,Scandium
32	Chemicals and Related Products	3282	Pigments & Paints	53300	Pigments, Paints, Varnishes and Related Materials
32	Chemicals and Related Products	3283	Coloring Mat. NEC	53100	Synthetic Organic Coloring Matter,Lakes,Preps
32	Chemicals and Related Products	3283	Coloring Mat. NEC	53200	Dyeing & Tanning Extracts;Synthetic Tan Materials
32	Chemicals and Related Products	3284	Medicines	54000	Medicinal and Pharmaceutical Products
32	Chemicals and Related Products	3285	Perfumes & Cleansers	55000	Essential Oils,Resinoids,Perfume Matr;Clean Preps
32	Chemicals and Related Products	3286	Plastics	57000	Plastics in Primary Forms
32	Chemicals and Related Products	3286	Plastics	58000	Plastics in Non-Primary Forms
32	Chemicals and Related Products	3291	Pesticides	59110	Insecticides,In Forms, Packed for Retail Sale,Etc
32	Chemicals and Related Products	3291	Pesticides	59120	Fungicides,In Forms or Packed for Retail Sale,Etc
32	Chemicals and Related Products	3291	Pesticides	59130	Herbicides,Antisprouting,Etc Products,for Retail
32	Chemicals and Related Products	3291	Pesticides	59141	Disinfectants,In Forms, Packed for Retail Sale,Etc
32	Chemicals and Related Products	3291	Pesticides	59149	Rodenticides,In Forms, Packed for Retail Sale, Etc
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59211	Wheat Starch
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59212	Corn (Maize) Starch
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59213	Potato Starch
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59214	Cassava (Manioc) Starch
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59215	Starches, Not Elsewhere Classified
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59216	Inulin
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59217	Wheat Gluten, Dried or Not
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59221	Casein
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59222	Caseinates & Other Casein Derivatives; Casein Glue
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59223	Albumins,(Except Egg Albumin; Albuminates & Deriv
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59224	Gelatin (Inc Sheets, Etc) & Deriv;Isinglass, Etc

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59225	Peptones,Other Protein Subst & Deriv; Hide Powder
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59226	Dextrins and Other Modified Starches
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59227	Glues from Starches,Dextrins,Oth Modifed Starches
32	Chemicals and Related Products	3292	Starches,Gluten,Glue	59229	Prepared Glues & Adhesives,NEC;For Retail Sale
32	Chemicals and Related Products	3293	Explosives	59300	Explosives and Pyrotechnic Products
32	Chemicals and Related Products	3297	Chemical Additives	59721	Antiknock Preparations
32	Chemicals and Related Products	3297	Chemical Additives	59725	Additives for Lubricating Oils
32	Chemicals and Related Products	3297	Chemical Additives	59729	Prepared Additives for Oth Liquids used as Min Oil
32	Chemicals and Related Products	3297	Chemical Additives	59731	Hydraulic Brake or Transmission Fluids,<70% Weight
32	Chemicals and Related Products	3297	Chemical Additives	59733	Antifreezing Preparations and Prep De-icing Fluids
32	Chemicals and Related Products	3297	Chemical Additives	59771	Prods to Treat Textiles,Leather,Fur,w/Petrolm Oils
32	Chemicals and Related Products	3297	Chemical Additives	59772	Lubricating Preps,Containing Pertroleum/Bitum Oils
32	Chemicals and Related Products	3297	Chemical Additives	59773	Prod to Treat Textiles,Leather,Etc,No Pertolm Oils
32	Chemicals and Related Products	3297	Chemical Additives	59774	Lubricating Preps,with Oils Oth than of Petroleum
32	Chemicals and Related Products	3298	Wood & Resin Chem.	59810	Wood and Resin Based Chemical Products
32	Chemicals and Related Products	3299	Chem. Products NEC	59830	Artificial Waxes and Prepared Waxes
32	Chemicals and Related Products	3299	Chem. Products NEC	59840	Mixed Alkybenzenes, Not Elsewhere Classified
32	Chemicals and Related Products	3299	Chem. Products NEC	59850	Chemical Elements/Cmpd Doped for Use in Electroncs
32	Chemicals and Related Products	3299	Chem. Products NEC	59861	Graphites (Artificial,Colloidal,Etc) & Preps
32	Chemicals and Related Products	3299	Chem. Products NEC	59863	Prepared Rubber Accelerators
32	Chemicals and Related Products	3299	Chem. Products NEC	59864	Activated Carbon
32	Chemicals and Related Products	3299	Chem. Products NEC	59865	Activated Natural Mineral Products; Animal Black
32	Chemicals and Related Products	3299	Chem. Products NEC	59867	Prepared Culture Media to Develop Micro-Organisms
32	Chemicals and Related Products	3299	Chem. Products NEC	59869	Composite Diagnostic or Laboratory Reagents, NEC
32	Chemicals and Related Products	3299	Chem. Products NEC	59880	Catalysts and Catalytic Preparations, NEC
32	Chemicals and Related Products	3299	Chem. Products NEC	59890	Chemical Products and Preparations, NEC

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
32	Chemicals and Related Products	3299	Chem. Products NEC	59990	Chemical Waste
32	Chemicals and Related Products	7600	Rubber & Plastic Pr.	23200	Synthetic Rubber;Reclaimed Rubber; Waste, Parings
41	Forest Products, Wood and Chips	4110	Rubber & Gums	23100	Natural Rubber & Sim Nat Gums in Prim Forms,Plates
41	Forest Products, Wood and Chips	4150	Fuel Wood	24500	Fuel Wood (Excluding Wood Waste) and Wood Charcoal
41	Forest Products, Wood and Chips	4150	Fuel Wood	24620	Sawdust and Wood Waste and Scrap
41	Forest Products, Wood and Chips	4161	Wood Chips	24610	Wood in Chips or Particles
41	Forest Products, Wood and Chips	4170	Wood in the Rough	24700	Wood in the Rough or Roughly Squared
41	Forest Products, Wood and Chips	4170	Wood in the Rough	24810	Railway or Tramway Sleepers (Cross-Ties) of Wood
41	Forest Products, Wood and Chips	4189	Lumber	24820	Wood of Coniferous Species,Sawn,Sliced > 6mm Thick
41	Forest Products, Wood and Chips	4189	Lumber	24830	Wood of Coniferous Species,Continuously Shaped
41	Forest Products, Wood and Chips	4189	Lumber	24840	Wood of Nonconiferous Species, Sawn, Sliced > 6mm
41	Forest Products, Wood and Chips	4189	Lumber	24850	Wood of Nonconiferous Species, Continuously Shaped
41	Forest Products, Wood and Chips	4189	Lumber	24890	Lumber
41	Forest Products, Wood and Chips	4190	Forest Products NEC	24400	Cork, Natural, Raw and Waste (Incl Blocks,Sheets)
41	Forest Products, Wood and Chips	4190	Forest Products NEC	29220	Lac; Natural Gums, Resins, Gum-Resins and Balsams
41	Forest Products, Wood and Chips	4190	Forest Products NEC	29230	Vegetable Materials Used Primarily for Plaiting
41	Forest Products, Wood and Chips	4190	Forest Products NEC	29240	Plants & Parts Used in Perfumery,Pharmacy,Insectic
41	Forest Products, Wood and Chips	4190	Forest Products NEC	29294	Vegetable Saps and Extracts
41	Forest Products, Wood and Chips	4190	Forest Products NEC	29295	Pectic Substances, Pectinates and Pectates
41	Forest Products, Wood and Chips	4190	Forest Products NEC	29296	Mucilages & Thickeners Derived from Vegetable Prod
41	Forest Products, Wood and Chips	4190	Forest Products NEC	29297	Seaweeds and Other Algae
41	Forest Products, Wood and Chips	4190	Forest Products NEC	29299	Vegetable Materials and Vegetable Products, NEC
42	Pulp and Waste Paper	4225	Pulp & Waste Paper	25090	Pulp
42	Pulp and Waste Paper	4225	Pulp & Waste Paper	25110	Waste and Scrap of Paper or Paperboard
42	Pulp and Waste Paper	4225	Pulp & Waste Paper	25120	Mechanical Wood Pulp
42	Pulp and Waste Paper	4225	Pulp & Waste Paper	25130	Chemical Wood Pulp, Dissolving Grades

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
42	Pulp and Waste Paper	4225	Pulp & Waste Paper	25140	Chemical Wood Pulp,Soda, or Sulfate, Unbleached
42	Pulp and Waste Paper	4225	Pulp & Waste Paper	25150	Chemical Wood Pulp,Soda,Sulfate,Bleached/Semibleac
42	Pulp and Waste Paper	4225	Pulp & Waste Paper	25160	Chemical Wood Pulp,Sulfite, Not Dissolving Grade
42	Pulp and Waste Paper	4225	Pulp & Waste Paper	25190	Semi-Chemical Wood Pulp & Pulps of Other Fibrous
43	Soil, Sand, Gravel, Rock and Stone	4310	Building Stone	27310	Building or Monumental Stone Roughly Trimmed, Cut
43	Soil, Sand, Gravel, Rock and Stone	4322	Limestone	27322	Limestone Flux & Calcareous Stone Used in Lime Mfg
43	Soil, Sand, Gravel, Rock and Stone	4323	Gypsum	27323	Gypsum and Anhydrite
43	Soil, Sand, Gravel, Rock and Stone	4323	Gypsum	27324	Plasters (Calcined Gypsum or Sulfate)
43	Soil, Sand, Gravel, Rock and Stone	4327	Phosphate Rock	27230	Natural Calcium Phosphates;Nat Alum Calc Phosphat
43	Soil, Sand, Gravel, Rock and Stone	4331	Sand & Gravel	27330	Sands, Natural, of all Kinds (Exc Silica & Quartz)
43	Soil, Sand, Gravel, Rock and Stone	4331	Sand & Gravel	27340	Pebbles, Gravel, Crushed Stone (Specialized Use)
43	Soil, Sand, Gravel, Rock and Stone	4333	Dredged Material	27920	Dredged Material
43	Soil, Sand, Gravel, Rock and Stone	4335	Waterway Improv. Mat	27350	Materials Used in Waterway Improvement, Govt Matr
43	Soil, Sand, Gravel, Rock and Stone	4338	Soil & Fill Dirt	27910	Dirt, Soil
44	Iron Ore and Scrap	4410	Iron Ore	28100	Iron Ore and Concentrates
44	Iron Ore and Scrap	4420	Iron & Steel Scrap	28200	Ferrous Waste & Scrap;Remelting Ingots of Iron/Stl
45	Marine Shells	4515	Marine Shells	29115	Coral, Shell, Cuttlebone, Unworked Etc
46	Non-Ferrous Ores and Scrap	4630	Copper Ore	28300	Copper Ores & Concentrates;Copper Mattes,Cement
46	Non-Ferrous Ores and Scrap	4650	Aluminum Ore	28500	Aluminum Ores & Concentrates (Including Alumina)
46	Non-Ferrous Ores and Scrap	4670	Manganese Ore	28770	Manganese Ores and Concentrates
46	Non-Ferrous Ores and Scrap	4680	Non-Ferrous Scrap	28800	Non-Ferrous Base Metal Waste and Scrap, NEC
46	Non-Ferrous Ores and Scrap	4680	Non-Ferrous Scrap	28920	Waste & Scrap of Precious Metals (Other than Gold)
46	Non-Ferrous Ores and Scrap	4690	Non-Ferrous Ores NEC	28400	Nickel Ores & Concentrates;Nickel Mattes,Oxide,Prd
46	Non-Ferrous Ores and Scrap	4690	Non-Ferrous Ores NEC	28600	Ores & Concentrates of Uranium or Thorium
46	Non-Ferrous Ores and Scrap	4690	Non-Ferrous Ores NEC	28740	Lead Ores and Concentrates
46	Non-Ferrous Ores and Scrap	4690	Non-Ferrous Ores NEC	28750	Zinc Ores and Concentrates

## *Commodity Mapping Table*

LPMS Code Description	PUBLICATION Code Description	WCSC DETAIL Code Description
46 Non-Ferrous Ores and Scrap	4690 Non-Ferrous Ores NEC	28760 Tin Ores and Concentrates
46 Non-Ferrous Ores and Scrap	4690 Non-Ferrous Ores NEC	28780 Ores & Concentrates of Molybdeum,Niobium,Tantalum
46 Non-Ferrous Ores and Scrap	4690 Non-Ferrous Ores NEC	28790 Ores & Concentrates of Other Non-Ferrous Base Mtls
46 Non-Ferrous Ores and Scrap	4690 Non-Ferrous Ores NEC	28910 Ores & Concentrates of Precious Metals
47 Sulphur (Dry), Clay & Salt	4741 Sulphur, (Dry)	27410 Sulphur of all Kinds (Not Sublimed,precipitated)
47 Sulphur (Dry), Clay & Salt	4782 Clay & Refrac. Mat.	27820 Clays and Other Refractory Minerals, NEC
47 Sulphur (Dry), Clay & Salt	4900 Non-Metal. Min. NEC	27830 Sodium Chloride,Pure & Common Salt(Incl Sea Water)
48 Slag	4860 Slag	27861 Granulated Slar from the Manufacture of Iron/Steel
48 Slag	4860 Slag	27862 Slag, Dross, Scalings & Waste of Iron or Steel
48 Slag	4860 Slag	27869 Slag & Ash, NEC, Including Seaweed Ash (Kelp)
49 Other Non-Metallic Minerals	4900 Non-Metal. Min. NEC	27420 Iron Pyrites, Unroasted
49 Other Non-Metallic Minerals	4901 Non-Metal. Min. NEC	27700 Natural Abrasives, NEC (Incl Industrial Diamonds)
49 Other Non-Metallic Minerals	4902 Non-Metal. Min. NEC	27840 Asbestos
49 Other Non-Metallic Minerals	4903 Non-Metal. Min. NEC	27850 Quartz,Mica,Felspar,Fluorspar,Cryolite & Chiolite
49 Other Non-Metallic Minerals	4904 Non-Metal. Min. NEC	27891 Chalk
49 Other Non-Metallic Minerals	4905 Non-Metal. Min. NEC	27892 Barium Sulphate, Barytes, Barium Carbonate
49 Other Non-Metallic Minerals	4906 Non-Metal. Min. NEC	27893 Steatite
49 Other Non-Metallic Minerals	4907 Non-Metal. Min. NEC	27894 Borates
49 Other Non-Metallic Minerals	4908 Non-Metal. Min. NEC	27895 Siliceous fossil meals,Tripolite Diatomite
49 Other Non-Metallic Minerals	4909 Non-Metal. Min. NEC	27896 Bituminous Shale & Tar Sands
49 Other Non-Metallic Minerals	4910 Non-Metal. Min. NEC	27897 Bitumen, Asphalt, Asphaltic Rock (natural)
49 Other Non-Metallic Minerals	4911 Non-Metal. Min. NEC	27898 Vermiculite, Perlite, Chlorites
49 Other Non-Metallic Minerals	4912 Non-Metal. Min. NEC	27899 Mineral Substances, NEC
51 Paper & Allied Products	5110 Newsprint	64110 Newsprint, in Rolls or Sheets
51 Paper & Allied Products	5120 Paper & Paperboard	64120 Paper & Paperboard for Printing;Punched Cardstock
51 Paper & Allied Products	5120 Paper & Paperboard	64130 Paper and Paperboard in Rolls or Sheets

## *Commodity Mapping Table*

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
51	Paper & Allied Products	5120	Paper & Paperboard	64140	Kraft Paper & Paperboard,Uncoated,NEC,Rolls,Sheets
51	Paper & Allied Products	5120	Paper & Paperboard	64150	Paper & Paperboard,Uncoated,Rolls or Sheets, NEC
51	Paper & Allied Products	5120	Paper & Paperboard	64160	Paper and Paperboard,Corrugated,Creped,Crinkled
51	Paper & Allied Products	5120	Paper & Paperboard	64170	Paper,Paperboard,Cellulose Wadding & Webs, NEC
51	Paper & Allied Products	5120	Paper & Paperboard	64190	Converted Paper and Paperboard, NEC
51	Paper & Allied Products	5190	Paper Products NEC	64200	Paper and Paperboard,Cut to Size,Shape;Articles of
52	Lime, Cement and Glass	5210	Lime	66110	Quicklime, Slaked Lime & Hydraulic Lime
52	Lime, Cement and Glass	5220	Cement & Concrete	66120	Portland, Aluminous, Slag, or Supersulfate Cement
52	Lime, Cement and Glass	5240	Glass & Glass Prod.	66400	Glass
52	Lime, Cement and Glass	5240	Glass & Glass Prod.	66500	Glassware
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66130	Monumental or Building Stone and Articles Thereof
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66181	Articles of Asphalt or of Similar Material
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66182	Articles(Panels,Tiles, Etc) of Veg Fibre,Straw,Etc
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66183	Articles of Asbestos-Cement,Cellulose Fibre-Cement
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66200	Clay Construction Materials & Refractory Const Mat
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66310	Millstone,Grindstones,Grinding Wheels,Etc & Parts
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66320	Natl/Artfl Abrasive Powder,Grain on a Textile base
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66330	Manufactures of Mineral Materials, NEC
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66350	Slag Wool,Rock Wool & Similar Mineral Wools,Etc
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66370	Refractory Ceramic Goods(Retorts,Crucibles,Etc)NEC
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66380	Manufactures of Asbestos; Friction Materials
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66390	Articles of Ceramic Materials, NEC
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66600	Pottery
52	Lime, Cement and Glass	5290	Misc. Mineral Prod.	66700	Pearls,Precious & Semi-Precious Stones,Worked/Unwk
53	Primary Iron and Steel Products	5312	Pig Iron	67120	Pig Iron & Spiegeleisen,in Pigs,Blocks, Other Form
53	Primary Iron and Steel Products	5312	Pig Iron	67130	Granules/Powders of Pig Iron,Spiegeleisen,Iron,Stl

## *Commodity Mapping Table*

LPMS Code Description	PUBLICATION Code Description	WCSC DETAIL Code Description
53 Primary Iron and Steel Products	5315 Ferro Alloys	67140 Ferro-Manganese
53 Primary Iron and Steel Products	5315 Ferro Alloys	67150 Other Ferro-Alloys (Exc Radioactive Ferro-Alloys)
53 Primary Iron and Steel Products	5320 I&S Primary Forms	67200 Ingots and Other Primary Forms of Iron or Steel
53 Primary Iron and Steel Products	5330 I&S Plates & Sheets	67300 Flat-Rolled Products of Iron & Steel,Not Clad,Pltd
53 Primary Iron and Steel Products	5330 I&S Plates & Sheets	67400 Flat-Rolled Prods of Iron/Non-Alloy Steel,Clad,Plt
53 Primary Iron and Steel Products	5330 I&S Plates & Sheets	67500 Flat-Rolled Products of Alloy Steel
53 Primary Iron and Steel Products	5360 I&S Bars & Shapes	67600 Iron and Steel Bars,Rods,Angles,Shapes & Sections
53 Primary Iron and Steel Products	5370 I&S Pipe & Tube	67900 Tubes, Pipes, Hollow Profiles of Iron or Steel
53 Primary Iron and Steel Products	5390 Primary I&S NEC	67090 Primary Iron and Steel Products, NEC
53 Primary Iron and Steel Products	5390 Primary I&S NEC	67700 Rails/Railway Track Const Material, of Iron/Steel
53 Primary Iron and Steel Products	5390 Primary I&S NEC	67800 Wire of Iron or Steel
54 Primary Non-Ferrous Metal Products	5421 Copper	68200 Copper
54 Primary Non-Ferrous Metal Products	5422 Aluminum	68400 Aluminum
54 Primary Non-Ferrous Metal Products	5429 Smelted Prod. NEC	68100 Silver,Platinum & Other Metals of the Platin Group
54 Primary Non-Ferrous Metal Products	5429 Smelted Prod. NEC	68300 Nickel
54 Primary Non-Ferrous Metal Products	5429 Smelted Prod. NEC	68500 Lead
54 Primary Non-Ferrous Metal Products	5429 Smelted Prod. NEC	68600 Zinc
54 Primary Non-Ferrous Metal Products	5429 Smelted Prod. NEC	68700 Tin
54 Primary Non-Ferrous Metal Products	5429 Smelted Prod. NEC	68900 Misc Non-Ferrous Base Metals for Metallurgy,Cermet
54 Primary Non-Ferrous Metal Products	5480 Fab. Metal Products	69000 Manufactures of Metals, NEC
55 Primary Wood Products; Veneer	5540 Primary Wood Prod.	63400 Veneers,Plywood,Particle Board,Oth Wood Worked,NEC
61 Fish	6134 Fish (Not Shellfish)	3400 Fish, Fresh (Live or Dead), Chilled or Frozen
61 Fish	6136 Shellfish	3600 Crustaceans,Molluscs & Invertbrts,Fresh,Childd,Frz
62 Wheat	6241 Wheat	4100 Wheat (Including Spelt) and Meslin, Unmilled
63 Corn	6344 Corn	4400 Maize (Not Including Sweet Corn), Unmilled
63 Corn	6344 Corn	5461 Sweet Corn

**Commodity Mapping Table**

LPMS Code Description	PUBLICATION Code Description	WCSC DETAIL Code Description
64 Rye, Barley, Rice, Sorghum & Oats	6442 Rice	4200 Rice
64 Rye, Barley, Rice, Sorghum & Oats	6443 Barley & Rye	4300 Barley, Unmilled
64 Rye, Barley, Rice, Sorghum & Oats	6443 Barley & Rye	4510 Rye, Unmilled
64 Rye, Barley, Rice, Sorghum & Oats	6445 Oats	4520 Oats, Unmilled
64 Rye, Barley, Rice, Sorghum & Oats	6447 Sorghum Grains	4530 Grain Sorghum, Unmilled
65 Oilseeds-Soybean, Flaxseed & Others	6521 Peanuts	22210 Groundnuts(Peanuts)Not Roasted or Otherwise Cooked
65 Oilseeds-Soybean, Flaxseed & Others	6522 Soybeans	22220 Soya Beans
65 Oilseeds-Soybean, Flaxseed & Others	6534 Flaxseed	22340 Flaxseed or Linseed
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22230 Cotton Seeds
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22240 Sunflower Seeds
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22250 Sesame (Sesamum) Seeds
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22260 Rape, Colza and Mustard Seeds
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22270 Safflower Seeds
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22310 Copra
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22320 Palm Nuts and Palm Kernels
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22350 Castor Oil Seeds
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22370 Oil Seeds and Oleaginous Fruits, NEC
65 Oilseeds-Soybean, Flaxseed & Others	6590 Oilseeds NEC	22390 Flours and Meals of Oil Seeds or Oleaginous Fruits
66 Vegetable Products	6653 Vegetable Oils	9100 Margarine and Shortening
66 Vegetable Products	6653 Vegetable Oils	42000 Fixed Vegetable Fats & Oils,Crude,Refined or Fract
66 Vegetable Products	6654 Vegetables & Prod.	5410 Potatoes,Fresh or Chilled (Not Incl Sweet Potatoe)
66 Vegetable Products	6654 Vegetables & Prod.	5420 Leguminous Vegetables,Dried,Shelled,Skinned/Split
66 Vegetable Products	6654 Vegetables & Prod.	5440 Tomatoes, Fresh or Chilled
66 Vegetable Products	6654 Vegetables & Prod.	5450 Other Fresh or Chilled Vegetables
66 Vegetable Products	6654 Vegetables & Prod.	5469 Other Vegetables and Mixtures of vegetables
66 Vegetable Products	6654 Vegetables & Prod.	5470 Vegetables Provisionally Preserved but Inedible

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
66	Vegetable Products	6654	Vegetables & Prod.	5480	Vegetable Products,Roots & Tubers NEC Fresh-Dried
66	Vegetable Products	6654	Vegetables & Prod.	5600	Vegetables,Roots & Tubers, Prep or Preserved, NEC
66	Vegetable Products	6654	Vegetables & Prod.	9812	Homogenized Vegetables
66	Vegetable Products	6654	Vegetables & Prod.	9840	Sauces,Condiments,Seasonings,Mustard, Vinegar
66	Vegetable Products	6654	Vegetables & Prod.	9850	Soups and Broths and Preparations Therefor
66	Vegetable Products	6654	Vegetables & Prod.	9860	Yeasts;Baking Powder;1-Cell Microorganisms (Dead)
67	Processed Grain and	6746	Wheat Flour	4600	Meal & Flour of Wheat and Flour of Meslin
67	Animal Feed	6747	Grain Mill Products	4700	Other Cereal Meals and Flours
67	Animal Feed	6747	Grain Mill Products	4800	Cereal Preps & Preps of Flour/Starch of Fruit/Vegs
67	Animal Feed	6781	Hay & Fodder	8110	Hay and Fodder, Green or Dry
67	Animal Feed	6782	Animal Feed, Prep.	8120	Bran,Sharps & Oth Residues From Cereals or Legumes
67	Animal Feed	6782	Animal Feed, Prep.	8130	Oil-Cake & Oth Solid Residues(From Nuts,Fruit,Cer)
67	Animal Feed	6782	Animal Feed, Prep.	8140	Flours,Meals & Pellets(Meat,Offal,Fish,Etc)Inedibl
67	Animal Feed	6782	Animal Feed, Prep.	8150	Residues of Starch Mfg,Beet Pulp,Bagasse,Sugar Wst
67	Animal Feed	6782	Animal Feed, Prep.	8190	Food Wastes and Prepared Animal Feeds, NEC
68	Other Agricultural Products	6811	Meat, Fresh, Frozen	1100	Meat of Bovine Animals, Fresh, Chilled or Frozen
68	Other Agricultural Products	6812	Meat, Fresh, Frozen	1200	Other Meat & Edible Meat Offal,Fresh,Child or Frz
68	Other Agricultural Products	6817	Meat, Prepared	1600	Meat/Edible Meat Offal,Sltd,Smkd;Flours & Meals of
68	Other Agricultural Products	6817	Meat, Prepared	1700	Meat/Edible Meat Offal, Prepared or Preserved, NEC
68	Other Agricultural Products	6817	Meat, Prepared	9811	Homogenized Preparatns From Meat/Edible Meat Offal
68	Other Agricultural Products	6822	Dairy Products	2210	Milk(Including Skimmed) & Cream,Not Concen/Sweeten
68	Other Agricultural Products	6822	Dairy Products	2220	Milk and Cream, Concentrated or Sweetened
68	Other Agricultural Products	6822	Dairy Products	2230	Yogurt;Buttermilk,Acidified Mild & Cream;Ice Cream
68	Other Agricultural Products	6822	Dairy Products	2240	Whey;Products consisting of Natural Milk Const NEC
68	Other Agricultural Products	6822	Dairy Products	2300	Butter and Other Fats and Oils Derived From Milk
68	Other Agricultural Products	6822	Dairy Products	2400	Cheese and Curd

**Commodity Mapping Table**

LPMS Code Description	PUBLICATION Code Description	WCSC DETAIL Code Description
68 Other Agricultural Products	6835 Fish, Prepared	3500 Fish, Dried, Salted or In Brine; Smoked Fish
68 Other Agricultural Products	6835 Fish, Prepared	3700 Fish,Crustaceans,Molluscs & Oth Invrbr,Prep-Prsvd
68 Other Agricultural Products	6838 Tallow, Animal Oils	41110 Fats,Oils & Fractions of,of Fish or Marine Animals
68 Other Agricultural Products	6838 Tallow, Animal Oils	41120 Lard; Other Pig Fat & Poultry Fat Rendered
68 Other Agricultural Products	6838 Tallow, Animal Oils	41130 Animal Oils, Fats and Greases, NEC
68 Other Agricultural Products	6839 Animals & Prod. NEC	100 Live Animals Other Than Animals of Division 3
68 Other Agricultural Products	6839 Animals & Prod. NEC	2500 Eggs,Yolks,Fresh,Dried,Othws Preserved;Egg Albumin
68 Other Agricultural Products	6839 Animals & Prod. NEC	9892 Edible Products of Animal Origin, NEC
68 Other Agricultural Products	6839 Animals & Prod. NEC	21110 Bovine,Equine Hides and Skins
68 Other Agricultural Products	6839 Animals & Prod. NEC	21120 Whole Hides & Skins of Bovine Animals
68 Other Agricultural Products	6839 Animals & Prod. NEC	21140 Goat Skins & Kid Skins Raw, Dried,Prsv, Not Tanned
68 Other Agricultural Products	6839 Animals & Prod. NEC	21160 Sheep Skins and Lamb Skins With Wool On,Not Tanned
68 Other Agricultural Products	6839 Animals & Prod. NEC	21170 Sheep Skins and Lamb Skins Without Wool,Not Tanned
68 Other Agricultural Products	6839 Animals & Prod. NEC	21191 Parings & Waste Leather Not Suit For Articles;Dust
68 Other Agricultural Products	6839 Animals & Prod. NEC	21199 Hides and Skins, NEC, Raw (Not Tanned )
68 Other Agricultural Products	6839 Animals & Prod. NEC	21200 Furskins, Raw Oth than Hides & Skins of Group 211
68 Other Agricultural Products	6839 Animals & Prod. NEC	26800 Wool & Other Animal Hair (Including Wool Tops)
68 Other Agricultural Products	6839 Animals & Prod. NEC	29111 Bones, Horn-Cores, Unworked Etc; Powder & Waste
68 Other Agricultural Products	6839 Animals & Prod. NEC	29116 Ivory,Tortoise Shell,Whalebone,Horns,Claws,Etc
68 Other Agricultural Products	6839 Animals & Prod. NEC	29190 Materials of Animal Origin, NEC
68 Other Agricultural Products	6856 Bananas & Plantains	5730 Bananas (Including Plantains), Fresh or Dried
68 Other Agricultural Products	6857 Fruit & Nuts NEC	5710 Oranges,Mandarins,Clementines, Etc, Fresh or Dried
68 Other Agricultural Products	6857 Fruit & Nuts NEC	5720 Lemons and Limes, Fresh or Dried
68 Other Agricultural Products	6857 Fruit & Nuts NEC	5740 Apples, Fresh
68 Other Agricultural Products	6857 Fruit & Nuts NEC	5750 Grapes, Fresh or Dried
68 Other Agricultural Products	6857 Fruit & Nuts NEC	5760 Figs, Fresh or Dried

**Commodity Mapping Table**

LPMS Code Description	PUBLICATION Code Description	WCSC DETAIL Code Description
68 Other Agricultural Products	6857 Fruit & Nuts NEC	5770 Edible Nuts (Not Used Chiefly For Oil) Fresh-Dried
68 Other Agricultural Products	6857 Fruit & Nuts NEC	5790 Fruit, Fresh or Dried, NEC
68 Other Agricultural Products	6858 Fruit Juices	5800 Fruit, Preserved & Fruit Preps (Exc Fruit Juices)
68 Other Agricultural Products	6858 Fruit Juices	5900 Fruit Juices(Incl Grape Must)& Veg Juices,Unfermtd
68 Other Agricultural Products	6858 Fruit Juices	6210 Fruit,Nuts,Fruit-Peel, Drained/Glace/Crystallized
68 Other Agricultural Products	6858 Fruit Juices	9813 Cooked Fruit Preparations, Homogenized
68 Other Agricultural Products	6861 Sugar	6110 Sugars,Beet or Cane, Raw,Solid Form, No additives
68 Other Agricultural Products	6861 Sugar	6120 Other Beet,Cane Sugar & Chem Pure Sucrose in Solid
68 Other Agricultural Products	6865 Molasses	6150 Molasses Resulting From the Extraction/Refin Sugar
68 Other Agricultural Products	6871 Coffee	7100 Coffee and Coffee Substitutes
68 Other Agricultural Products	6872 Cocoa Beans	7200 Cocoa
68 Other Agricultural Products	6885 Alcoholic Beverages	11200 Alcoholic Beverages
68 Other Agricultural Products	6887 Groceries	9898 Groceries
68 Other Agricultural Products	6888 Water & Ice	11101 Water (Inc Natural or Artif/Aerated) No Sugar/Flav
68 Other Agricultural Products	6889 Food Products NEC	6160 Natural Honey
68 Other Agricultural Products	6889 Food Products NEC	6190 Other Solid Sugars;Sugar Syrups(No Additiv);Caramel
68 Other Agricultural Products	6889 Food Products NEC	6220 Sugar Confectionary(Incl Wh.Choc)-Not contng Cocoa
68 Other Agricultural Products	6889 Food Products NEC	7300 Chocolate & Other Food Preps Containing Cocoa,NEC
68 Other Agricultural Products	6889 Food Products NEC	7400 Tea and Mate
68 Other Agricultural Products	6889 Food Products NEC	7500 Spices
68 Other Agricultural Products	6889 Food Products NEC	9814 Homogenized Composite Food Preparations
68 Other Agricultural Products	6889 Food Products NEC	9891 Pasta, Cooked or Stuffed; Couscous Prepared or Not
68 Other Agricultural Products	6889 Food Products NEC	9893 Food Prep for Infants,Retail of Flr/Meal/Strch NEC
68 Other Agricultural Products	6889 Food Products NEC	9894 Malt Extract; Food Preps of Flour,Meal,Starch,Malt
68 Other Agricultural Products	6889 Food Products NEC	9899 Other Food Preparations, NEC
68 Other Agricultural Products	6889 Food Products NEC	11102 Waters, Added Sugar,Flavored, Nonalcoholic, NEC

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
68	Other Agricultural Products	6889	Food Products NEC	43000	Animal or Veg Fats & Oils,Proc,Waxes;Inedible Fats
68	Other Agricultural Products	6891	Tobacco & Products	12100	Tobacco, Unmanufactured; Tobacco Refuse
68	Other Agricultural Products	6891	Tobacco & Products	12200	Tobacco, Manufacturd(Incl Containing Tobacco Subs)
68	Other Agricultural Products	6893	Cotton	26300	Cotton
68	Other Agricultural Products	6894	Natural Fibers NEC	26100	Silk
68	Other Agricultural Products	6894	Natural Fibers NEC	26400	Jute and Other Textile Bast Fibers,NEC;Tow & Waste
68	Other Agricultural Products	6894	Natural Fibers NEC	26500	Vegetable Textile Fibers,NEC Raw or Proc; Waste of
68	Other Agricultural Products	6899	Farm Products NEC	4590	Buckwheat, Millet, Canary Seed & Other Cereals,NEC
68	Other Agricultural Products	6899	Farm Products NEC	29250	Seeds,Fruits and Spores, NEC, Kind Used for sowing
68	Other Agricultural Products	6899	Farm Products NEC	29260	Bulbs,Tubers & Rhizomes of Plants; Cuttings,Slips
68	Other Agricultural Products	6899	Farm Products NEC	29270	Cut Flowers and Foliage
68	Other Agricultural Products	6899	Farm Products NEC	29292	Vegetable Materials (Kapok,Eel-Grass) for Stuffing
68	Other Agricultural Products	6899	Farm Products NEC	29293	Vegetable Materials Used for Brooms and Brushes
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	71100	Steam or Oth Vapour Generating Boilers,Etc; Parts
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	71200	Steam Turbines & Other Vapour Turbines; Parts of
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	71300	Internal Combustion Piston Engines & Parts Thereof
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	71400	Engines,Motors,Non-Electric; Parts,NEC Thereof
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	71800	Other Power Generating Machinery & Parts Thereof
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	72000	Machinery Specialized for Particular Industries
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	73100	Machine-Tools Working by Removing Metal or Oth Mat
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	73300	Machine-Tools for Working Metal w/o Removing Metal
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	73500	Parts,NEC,Acces Used Solely with tools of 731,733
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	73710	Converters,Ladles,Ingot Molds used in Metallurgy
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	73720	Metal-Rolling Mills and Rolls and Other Parts of
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74120	Furnace Burners & Parts;Mech Stokers,Grates,Etc
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74130	Industrial or Lab Furnaces,Ovens,Etc and Parts

## *Commodity Mapping Table*

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74170	Gas Generators,Distilling,Rectifying Plant,Etc
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74180	Other Machinery,Plant,Etc for Heating;Water Heater
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74190	Parts for the Machinery in headings 741.7 & 741.8
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74200	Pumps for Liquids;Liquid Elevators;Parts for Such
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74300	Pumps,Air/Gas Compressors & Fans,Ventilating Hoods
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74400	Mechanical Handling Equipment & Parts Thereof, NEC
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74500	Oth Non-Electrical Machinery,Tools,Apparatus;Parts
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74600	Ball or Roller Bearings
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74700	Taps,Cocks,Valves,Etc for Pipes,Boiler Shells,Tank
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74800	Transmission Shafts,Cranks;Bearing Housings;Gears
70	All Manufactured Equipment and Machiner	7110	Machinery (Not Elec)	74900	Non-Electric Parts & Accessories of Machinery, NEC
70	All Manufactured Equipment and Machiner	7120	Electrical Machinery	71600	Rotating Electric Plant and Parts Thereof, NEC
70	All Manufactured Equipment and Machiner	7120	Electrical Machinery	73730	Electric,Laser,Oth Soldering,Brazing,Welding Machn
70	All Manufactured Equipment and Machiner	7120	Electrical Machinery	73740	Machinery,Apparatus for Soldering,Brazing,Welding
70	All Manufactured Equipment and Machiner	7120	Electrical Machinery	74140	Refrigs,Freezers,Oth Equip Not Household;Parts of
70	All Manufactured Equipment and Machiner	7120	Electrical Machinery	74150	Air Conditioning Machines and Parts Thereof
70	All Manufactured Equipment and Machiner	7120	Electrical Machinery	75000	Office Machines and Auto Data Processing Machines
70	All Manufactured Equipment and Machiner	7120	Electrical Machinery	76000	Telecommunications & Sound Rec/Repro Appar & Equip
70	All Manufactured Equipment and Machiner	7120	Electrical Machinery	77000	Electrical Machinery,Appar & Appliances,NEC;Parts
70	All Manufactured Equipment and Machiner	7210	Vehicles & Parts	78100	Motor Cars,Oth Motor Vehicles for Trans of Persons
70	All Manufactured Equipment and Machiner	7210	Vehicles & Parts	78200	Motor Veh for Transport of Goods;Spec Use Motr Veh
70	All Manufactured Equipment and Machiner	7210	Vehicles & Parts	78300	Road Motor Vehicles, NEC
70	All Manufactured Equipment and Machiner	7210	Vehicles & Parts	78400	Parts & Accessories of Motor Vehicles(722,781-783)
70	All Manufactured Equipment and Machiner	7210	Vehicles & Parts	78510	Motorcycles(Inc Mopeds),Cycles w/ Motors;Side Cars
70	All Manufactured Equipment and Machiner	7220	Aircraft & Parts	79200	Aircraft and Assoc Equip;Spacecraft & Launch Veh
70	All Manufactured Equipment and Machiner	7230	Ships & Boats	79300	Ships,Boats (Inc Hovercraft) & Floating Structures

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
70	All Manufactured Equipment and Machiner	7300	Ordnance & Access.	89100	Arms and Ammunition
70	All Manufactured Equipment and Machiner	7400	Manufac. Wood Prod.	63300	Cork Manufactures
70	All Manufactured Equipment and Machiner	7400	Manufac. Wood Prod.	63500	Wood Manufactures, Not Elsewhere Classified
70	All Manufactured Equipment and Machiner	7500	Textile Products	26600	Synthetic Fibers Suitable for Spinning
70	All Manufactured Equipment and Machiner	7500	Textile Products	26710	Synthetic Filament Tow of Nylon or Other Polyamide
70	All Manufactured Equipment and Machiner	7500	Textile Products	26720	Synthetic Staple Fibers of Polyesters
70	All Manufactured Equipment and Machiner	7500	Textile Products	26900	Work Clothing and Other Textile Articles; Rags
70	All Manufactured Equipment and Machiner	7500	Textile Products	65110	Yarn of Wool or Animal Hair (Excluding Wool Tops)
70	All Manufactured Equipment and Machiner	7500	Textile Products	65120	Cotton Sewing Thread,Whether or not for Retail
70	All Manufactured Equipment and Machiner	7500	Textile Products	65130	Cotton Yarn, Other than Sewing Thread
70	All Manufactured Equipment and Machiner	7500	Textile Products	65140	Sewing Thread of Man-Made Fibers,for Retail or Not
70	All Manufactured Equipment and Machiner	7500	Textile Products	65150	Synthetic Filament Yarn Textured, Not for Retail
70	All Manufactured Equipment and Machiner	7500	Textile Products	65160	Other Synthetic Filament Yarn(Oth than for Sewing)
70	All Manufactured Equipment and Machiner	7500	Textile Products	65170	Artificial Filament Yarn;Artificial Monofilament
70	All Manufactured Equipment and Machiner	7500	Textile Products	65180	Yarn (Oth than Sew Thread) of Stable Fibres;Monofil
70	All Manufactured Equipment and Machiner	7500	Textile Products	65190	Yarn of Textile Fibers, NEC
70	All Manufactured Equipment and Machiner	7500	Textile Products	65200	Cotton Fabrics, Woven (Exc Narrow,Special Fabrics)
70	All Manufactured Equipment and Machiner	7500	Textile Products	65300	Fabrics Woven of Man-Made Textile Materials
70	All Manufactured Equipment and Machiner	7500	Textile Products	65400	Other Textile Fabrics, Woven
70	All Manufactured Equipment and Machiner	7500	Textile Products	65500	Knitted or Crocheted Fabrics, (Incl Pile,Etc),NEC
70	All Manufactured Equipment and Machiner	7500	Textile Products	65600	Tulles, Lace, Embroidery, Ribbons,Trims,Sml Wares
70	All Manufactured Equipment and Machiner	7500	Textile Products	65700	Special Yarns, Special Textile Fabrics & Products
70	All Manufactured Equipment and Machiner	7500	Textile Products	65800	Made-Up Articles,Wholly or Chiefly of Textiles,NEC
70	All Manufactured Equipment and Machiner	7500	Textile Products	65900	Floor Coverings, Etc
70	All Manufactured Equipment and Machiner	7500	Textile Products	84000	Articles of Apparel and Clothing Accessories
70	All Manufactured Equipment and Machiner	7500	Textile Products	85150	Other Footwear, with Uppers of Textile Materials

**Commodity Mapping Table**

LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
70	All Manufactured Equipment and Machiner	7600	Rubber & Plastic Pr.	62000	Rubber Manufactures, NEC
70	All Manufactured Equipment and Machiner	7600	Rubber & Plastic Pr.	89300	Articles, NEC of Plastic
70	All Manufactured Equipment and Machiner	7800	Empty Containers	51	Containers (20 ft TEU)
70	All Manufactured Equipment and Machiner	7800	Empty Containers	52	Containers (40 ft TEU)
70	All Manufactured Equipment and Machiner	7800	Empty Containers	55	Containers (Multi-Modal)
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	35000	Electric Current
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	61000	Leather,Leather Manufactures,NEC; Dressed Furskins
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	78520	Bicycles and Non-Motorized Cycles
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	78530	Invalid Carriages; Parts of group 785
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	78610	Trailers,Semi-Trailers for Housing or Camping
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	78620	Trailers & Semi-Trailers for Transport of Goods
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	78630	Containers(Incl for fluid Transport) for Transport
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	78680	Other Vehicles, Not Mechanically Propelled & Parts
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	79100	Railway Vehicles(Inc Hovertrains) & Assoc Equip
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	81000	Prefab Buildings;Sanitary,Plumbing,Light Fixtures
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	82000	Furniture & Parts;Bedding,Mattresses,Cushions,Etc
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	83000	Travel Goods, Handbags and Similar Containers
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	85110	Footwear Incorp Metal Toe-Cap, Exc Sports Footwear
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	85120	Sports Footwear
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	85130	Footwear,NEC Outer Soles/Upper of Leather,Rubber
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	85140	Other Footwear with Uppers of Leather,Comp Leather
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	85170	Footwear, NEC
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	85190	Parts of Footwear; Removable In-Soles,Etc;Gaiters
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	87000	Professional,Scientific,Controlling Instr & Appar
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	88000	Photographic Appar,Equip,Supplies;Opticl Gds;Watch
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	89200	Printed Matter

**Commodity Mapping Table**

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LPMS		PUBLICATION		WCSC DETAIL	
Code	Description	Code	Description	Code	Description
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	89400	Baby Carriages, Toys, Games & Sporting Goods
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	89500	Office and Stationery Supplies, NEC
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	89600	Works of Art, Collectors' Pieces and Antiques
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	89700	Jewelry, Goldsmiths' & Silversmiths' Wares, NEC
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	89800	Musical Instruments, Parts, Access; Records, Tapes, Etc
70	All Manufactured Equipment and Machiner	7900	Manufac. Prod. NEC	89900	Miscellaneous Manufactured Articles, NEC
80	Waste and Scrap NEC	8900	Waste and Scrap NEC	99910	Garbage
80	Waste and Scrap NEC	8900	Waste and Scrap NEC	99920	Land Fill
80	Waste and Scrap NEC	8900	Waste and Scrap NEC	99930	Sewage Sludge
80	Waste and Scrap NEC	8900	Waste and Scrap NEC	99940	Waste Water
99	Unknown or NEC	9900	Unknown or NEC	90000	Commodities & Transactions NEC in the SITC
99	Unknown or NEC	9900	Unknown or NEC	99999	Dept of Defense Controlled Cargo

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# APPENDIX 3

## Reporting Forms

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# WCSC











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# PWD

This report is authorized by law (River & Harbor Act of July 18, 1918). While you are not required to respond, your cooperation is needed to make the results of this survey comprehensive, accurate, and timely.

**PIERS, WHARVES, and DOCKS**

FORM APPROVED  
OMB No. 0702-0012  
APPROVAL EXPIRES 31 AUG 90

PORT FACILITIES BRANCH  
WATER RESOURCES SUPPORT CENTER

AT \_\_\_\_\_

**NAME OF PIER, WHARF, ETC.** \_\_\_\_\_

**EXACT LOCATION ON WATERFRONT** \_\_\_\_\_

**OWNED BY** \_\_\_\_\_

**OPERATED BY** \_\_\_\_\_

**PURPOSE FOR WHICH USED** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**TYPE OF CONSTRUCTION** (Piling, deck, fill, etc.) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

	FACE OR END	LOWER SIDE	UPPER SIDE
<b>DIMENSIONS (feet)</b>			
<b>DEPTH ALONGSIDE</b>			
<b>BREASTING DISTANCE</b>			
<b>TOTAL BERTHING SPACE</b>			
<b>WIDTH OF APRON</b>			
<b>HEIGHT OF DECK</b>	<b>LOAD CAPACITY (lbs./sq. ft.)</b>		<b>LIGHTED OR UNLIGHTED</b>

<b>MECHANICAL HANDLING FACILITIES ON STRUCTURE</b>							
<b>EQUIPMENT</b> (Number - operation - type)	<b>LIFT CAPACITY</b> (tons)	<b>RADIUS</b>		<b>LENGTH OF BOOM</b>	<b>REACH</b>	<b>OUTBOARD REACH</b>	<b>RATE OF OPERATION</b>
		Max.	Min.				

U. S. ARMY CORPS OF ENGINEERS  
WRSC FORM NO. 1 - 1 May 1981

(over)

REF. NO \_\_\_\_\_





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# LPMS

DEPARTMENT OF THE ARMY-CORPS OF ENGINEERS WATERWAY TRAFFIC REPORT - LOCKAGE LOG (ER 1130-2-429 & EP 1130-2-418)					REQUIREMENT CONTROL SYMBOL RCS:DAEN-CWZ-5									
VESSEL NAME		VESSEL NUMBER		SHIFT Check One MM DD YY		LOCK NUMBER	CHM NO.	RIVER CODE	RECORD NUMBER					
				1, 2, 3										
<b>DIRECTION</b>		<b>LOCKAGE</b>			<b>VESSEL TYPE</b>									
[ ] UP [ ] DOWN		<b>CUTS</b> 01 [ ] SINGLE (One cut) 02 [ ] DOUBLE (Two cuts) 03 [ ] TRIPLE (Three cuts) 04 [ ] QUADRUPLE (Four cuts) <input type="checkbox"/> MORE THAN FOUR (4) CUTS (Complete number of cuts)			<b>TYPE</b> S [ ] STRAIGHT V [ ] SETOVER J [ ] JACK KNIFE K [ ] KNOCKOUT M [ ] MULTIVESSEL F [ ] FAST DOUBLE P [ ] NAVIGABLE PASS D [ ] OPEN PASS T [ ] BARGE TRANSFER Z [ ] OTHERS (Remarks)					T [ ] COMMERCIAL TOWBOATS P [ ] PSNGR. BOATS, FERRIES R [ ] RECREATIONAL VESSELS C [ ] CARGO CARRYING VESSELS G [ ] U.S. GOVT. VESSELS U [ ] U.S. GOVT. CONTRACTOR F [ ] CMRCL. FISHING BOATS Z [ ] OTHER (Remarks) L [ ] LIGHT (Towboat w/o Barges)				
Light-Comm Boats <input type="checkbox"/>		Rec. Vels. <input type="checkbox"/>												
<b>LOCKAGE TIMES</b>														
ENTRY [ ] ELY ENTRY TYPE [ ] EXCHANGE ENTRY [ ] TURNBACK ENTRY					EXIT [ ] ELY EXIT TYPE [ ] EXCHANGE EXIT [ ] TURNBACK EXIT									
ARRIVAL		START OF		BOW		END OF		START OF		END OF				
DATE		LOCKAGE		OVER SILL		ENTRY		EXIT		LOCKAGE				
MONTH	DAY	HOUR :	MIN	HOUR :	MIN	HOUR :	MIN	HOUR :	MIN	HOUR :	MIN			
FIRST CUT														
LAST CUT														
UNAVAILABILITY (Sta) or interference) SCHEDULED: Y [ ] YES N [ ] NO														
UNAVAILABILITY CODE (Check only one)				BEGIN UNAVAILABILITY			END UNAVAILABILITY							
MONTH	DAY	HOUR :	MIN	MONTH	DAY	HOUR :	MIN	MONTH	DAY	HOUR :	MIN			
<b>WEATHER</b>		<b>SURFACE</b>		<b>TOW</b>		<b>LOCK</b>		<b>OTHER</b>						
A [ ] FOG		H [ ] ICE		K [ ] INTERFERENCE		O [ ] DEBRIS IN LOCK		V [ ] TOW DETAINED BY CORPS						
B [ ] RAIN		I [ ] RIVER		BY OTHER VESSELS		R [ ] HARDWARE		OR COAST GUARD						
C [ ] SLEET		CURRENT		L [ ] TOW MALFUNCTION		MALFUNCTION		W [ ] COLLISION/ACCIDENT						
OR HAIL		OR		/BREAKDOWN		S [ ] STAFF ELSEWHERE		X [ ] VEHICULAR OR						
D [ ] SNOW		OUTDRAFT		M [ ] TOW STAFF ELSE-		T [ ] TESTING OR		R.R. BRIDGE						
E [ ] WIND		J [ ] FLOOD		WHERE OCCUPIED		MAINTENANCE		Z [ ] OTHER (Remarks)						
PLACE REMARKS ON REVERSE														





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# APPENDIX 4

## WTLUS



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***Corps of Engineers District and Area Office Codes***

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**Corps of Engineers District and Area Office Codes**

01	New England	28	Rock Island
03	New York	29	St. Louis
05	Jacksonville*	30	Memphis
07	Philadelphia	31	Vicksburg
08	San Juan	32	New Orleans
09	Baltimore	33	Galveston
11	Norfolk	34	Little Rock
12	Wilmington	35	Kansas City
13	Charleston	36	Seattle
14	Savannah	37	Portland
15	Jacksonville**	38	Alaska
16	Mobile	39	San Francisco
17	Nashville	40	Sacramento
18	Louisville	41	Los Angeles
20	Huntington	42	Pacific Ocean Division
21	Pittsburgh	43	Omaha
22	Buffalo	44	Walla Walla
23	Detroit	45	Tulsa
24	Duluth	60	Other Foreign Vessels
26	Chicago	95	New York Tug Logs
27	St. Paul	99	Atlantic Customs

\* Atlantic Region

\*\* Mississippi Valley Gulf Coast Region

**Transportation Lines - Operator Master File**  
**Field Descriptions**

**TS\_OPER** - (Col 1-7) TS\_Operator is a 7-digit code assigned to the Transportation Lines vessel operator by Waterborne Commerce Statistics Center (WCSC). The vessel inventory for each TS\_Operator is reported annually to WCSC and is contained in the Vessel Master File.

**NAME** - (Col 8-107) Name is a 100 character field identifying the TS\_Operator company name.

**ADDRESS** - (Col 108-240) Address is a 133 character field containing the street address of the TS\_Operator.

**STATE** - (Col 241-242) State contains the address state abbreviation for the TS\_Operator.

**ZIP** - (Col 243-252) Zip is a 10 character field containing the first 5 digits, and if available, the last 4 digits of the nine digit zip code for the TS\_Operator address.

**AREA** - (Col 253-255) Area is the 3-digit area code for the telephone number of the TS\_Operator.

**PHONE** - (Col 256-263) Phone is an 8-digit alphanumeric field containing the telephone number of the TS\_Operator, including a "-" between the first 3 digits and last 4 digits.

**DIST** - (Col 264-265) District contains a 2-digit code for the Corps District number in which the vessel is domiciled.

**SERIES** - (Col 266) Series contains the digit 3, 4 or 5 to designate the series in which this operator would have appeared under the previous policy of publishing three volumes. The three volumes were compiled by geographical region as follows:

- TS-3 Transportation Lines on the Great Lakes System
- TS-4 Transportation Lines on the Mississippi River System and the Gulf Intracoastal Waterway
- TS-5 Transportation Lines on the Atlantic, Gulf and Pacific Coasts

**SERVICE** - (Col 267) Service specifies the type of service in which the operator transports goods. These types of services are defined below:

- 1 Carriage performed for compensation that is regulated by the Interstate Commerce Commission (ICC).
- 2 Carriage performed for compensation, but exempt from regulation by the ICC.
- 3 Carriage performed by a private entity where the vessel and the goods being transported are owned by the same entity.

**PRINC\_COMM** - (Col 268-507) Principal Commodities carried by the TS\_Operator.

**POINT\_LOC** - (Col 508-747) Points or Localities and Waterways between which or on which the TS\_Operator operates.

**FL\_YR** - (Col 748-749) File Year identifies the calendar year in which this inventory of vessels was compiled.

## **Transportation Lines - Vessel Master File**

### **Field Descriptions**

**VESSEL** - (Col 1-5) Vessel code is a unique vessel identification number assigned by Waterborne Commerce Statistics Center (WCSC).

**VS\_NAME** - (Col 6-25) Vessel Name is a 20 character field used to describe the vessel by name.

**VS\_NUMBER** - (Col 26-35) Vessel Number is a 10 character field used to describe the vessel number.

**CG\_NUMBER** - (Col 36-45) Coast Guard Number is the official number assigned to this particular vessel by the U.S. Coast Guard at the time of registration. This number is normally retained by a vessel throughout the life of the vessel.

**VTCC** - (Col 46-49) Vessel Type, Construction and Characteristics field contains a 4 character alphanumeric code which describes in general terms the vessel type, construction and characteristics of its use; e.g. 2A22 represents the code for a self propelled tanker constructed of steel which is being used as a liquid bulk tanker. See Appendix 4, WTLUS for an explanation of the VTCC codes.

**NRT** - (Col 50-55) Net Register Tonnage (NRT) contains 6 numeric characters that specify the NRT of a particular vessel. The NRT is defined as the volume of space available for the accommodation of passengers and the stowage of cargo, expressed in units of 100 cubic feet for each net register ton. The NRT is recorded on the vessel's registration papers or it can be determined as the difference between gross tonnage and the volume of space used for the accommodation of the vessel master, officers, crew, navigation and propelling machinery expressed in units of 100 cubic feet per ton. The NRT should not be confused with a tonnage capacity because it simply expresses a volume capacity for passengers and cargo. Depending on the type of cargo being transported the tonnage that can be stowed in the volume of 100 cubic feet will vary, although generally speaking, the total tonnage capacity should not exceed three times the NRT of the vessel.

**HRP** - (Col 56-60) Horsepower contains 5 numeric characters which specify the horsepower rating for that particular vessel. The figures in this field represent the horsepower rating reported when the vessel was new or when the present engine was installed.

**REG\_LNGTH** - (Col 61-66) Register Length contains 6 numeric characters which specify the register length of the vessel reported in units of feet to the nearest tenth. The register length of a vessel is the length measured on the top of the tonnage deck from the forepart of the outer planking or plating at the bow to the afterpart of the sternpost of screw steamers and to the afterpart of the rudder post of other vessels.

**OVER\_LNGTH** - (Col 67-72) Overall Length contains 6 numeric characters which specify the overall length of the vessel reported in units of feet to the nearest tenth. The overall length is the extreme length of the vessel which would include any structure which extends beyond the outer planking or plating on the bow or any structure that extends beyond the sternpost on screw steamers and to the afterpart of the rudder post of other vessels.

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## ***Transportation Lines - Vessel Master File***

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**REG\_BRDTH** - (Col 73-77) Register Breadth contains 5 numeric characters which specify the register breadth of the vessel reported in units of feet to the nearest tenth. The register breadth of a vessel is the breadth at its widest part measured from the outer side of the planking or plating on one side to the corresponding point on the opposite side.

**OVER\_BRDTH** - (Col 78-82) Overall Breadth contains 5 numeric characters which specify the overall breadth of a vessel reported in units of feet to the nearest tenth. The overall breadth is the extreme breadth of maximum breadth to the outside of the vessel's structure. In paddle ships, this includes the paddle boxes.

**HFP** - (Col 83-87) Highest Fixed Point contains 5 numeric characters which specify the height of the highest fixed point on the vessel. The height represents the distance between the waterline of the vessel (when light) and the highest fixed point on the vessel, such as a pilot house, mast, etc. If the highest point of a vessel is a hinged stack or retractable pilot house, the distance is given to the hinge or top of pilot house in lowered position.

**CAP\_REF** - (Col 88) Capacity Reference contains one alpha character which designates a type of cargo carried by that particular vessel as defined below:

<b>Character</b>	<b>Type of Cargo</b>
Blank	General bulk cargo
+	Railroad cars
#	Autos, vehicles, trailers
%	Cargo capacity R.R. cars
@	Vans
&	Container

**CAP\_PASS** - (Col 89-92) Capacity Passengers contains 4 numeric characters that specify the passenger capacity of the vessel.

**CAP\_TONS** - (Col 93-99) Capacity Tons contains 7 numeric characters that specify the full load capacity in short tons (2,000 lbs).

**REBLT** - (Col 100) Rebuilt contains either an asterisk or is blank. If this field contains an asterisk then the year given in the YEAR field will be the year rebuilt rather than the year built.

**YEAR** - (Col 101-104) Year identifies the calendar year the vessel was built or rebuilt. If Column 100 of this vessel record (REBLT field) contains an asterisk ( \* ), then the year given in this field is the year rebuilt.

**LOAD\_DRFT** - (Col 105-109) Loaded Draft contains 5 numeric characters which specify the draft of the vessel when fully loaded, reported in units of feet to the nearest tenth.

**LIGHT\_DRFT** - (Col 110-114) - Light Draft contains 5 numeric characters which specify the draft of the vessel when it is empty, reported in units of feet to nearest tenth.

**EQUIP1 & EQUIP2** - (Col 115-146) Equipment 1 and 2 each contain 16 alphanumeric characters which describe permanent fixtures, such as cranes, derricks, hoists, pumps, etc. and handling capacity and type of power used to operate the equipment, such as steam, electric, diesel, etc. EQUIP1 and EQUIP2 break up this descriptive data so that it can be printed in a two line format with EQUIP1 over EQUIP2.

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## ***Transportation Lines - Vessel Master File***

**STATE** - (Col 147-148) State specifies the state abbreviation for the operating headquarters of the vessel.

**BASE1 & BASE2** - (Col 149-168) Base 1 and 2 each contain a maximum of 10 alphanumeric characters which specify the city or locality which is the operating headquarters of the vessel. BASE1 and BASE2 break up this descriptive data so that it can be printed in a two line format with BASE1 over BASE2.

**SERIES** - (Col 169) Series contains one numeric character which identifies the vessel's primary area of operation as defined below:

<b>Character</b>	<b>Area of Operation</b>
3	Great Lakes System
4	Mississippi River System & the Gulf Coast Intracoastal Waterway
5	Atlantic, Gulf & Pacific Coasts

**TS\_OPER** - (Col 170-176) TS\_Operator is a 7-digit code assigned to the Transportation Lines vessel operator by WCSC. The vessel inventory for each TS\_Operator is reported annually to WCSC and is contained in this Vessel Master File.

**FL\_YR** - (Col 177-178) File Year identifies the calendar year in which this inventory of vessels was compiled.

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***Explanation of Vessel Type, Construction & Characteristics***

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**Explanation of Vessel Type, Construction & Characteristics**  
(VTCC Code)

**Type**

- 1 Self-Propelled, Dry Cargo
- 2 Self-Propelled, Tanker
- 3 Towboat or Tugboat
- 4 Non-Self-Propelled, Dry Cargo
- 5 Non-Self-Propelled, Tanker
- 6 Other

**Construction**

- A Steel
- B Wood
- C Aluminum
- D Fiberglass
- E Other
- F Unknown

**Characteristics**

- |  |    |  |
|--|----|--|
| 01 Undefined                                     |    | 24 Other Tanker                            |
| 02 Crewboat / Supply / Utility Vessel            | 35 | Pushboat                                   |
| 03 General Cargo Freighter                       |    | 36 Tugboat / Towboat                       |
| 04 Break Bulk / RO-RO Carrier                    |    | 40 Open Hopper Barge                       |
| 05 RO-RO Vessel                                  |    | 41 Covered Hopper Barge                    |
| 06 Bulk Carrier                                  |    | 42 Carfloat (Railroad Car Barge)           |
| 07 Containership                                 |    | 43 Flat / Deck Barge                       |
| 08 Partial Containership                         |    | 44 Pontoon Barge                           |
| 09 Container / Vehicle / Trailer (RO-RO) Carrier |    | 47 Open Dry Cargo Barge                    |
| 10 Vehicle Carrier                               |    | 48 Covered Dry Cargo Barge                 |
| 11 Passenger Vessel                              |    | 49 RO-RO Barge                             |
| 12 Combination Passenger & Cargo                 |    | 50 Container Barge                         |
| 13 Ferry   |    | 52 Lash / Seabee Barge                     |
| 14 Railroad Car Ferry                            |    | 70 Liquid Cargo Barge (Single Hull)        |
| 15 Lash Vessel                                   | 71 | Liquid Cargo Barge (Double Hull)           |
| 16 Excursion / Sightseeing Vessels               |    | 72 Liquid Cargo Barge (Double Sided Only)  |
| 20 Petroleum / Chemical Carrier                  |    | 73 Liquid Cargo Barge (Double Bottom Only) |
| 21 Chemical Carrier                              |    | 74 Other Liquid Cargo Barge, NEI*          |
| 22 Liquid Bulk Tanker                            | 90 | Convertible Barge                          |
| 23 Liquid Gas Carrier                            |    | 99 Other                                   |

***Explanation of Vessel Type, Construction & Characteristics***

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\* NEI denotes not elsewhere included

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# APPENDIX 5

## WCUS Manuscript Data



**WCUS Manuscript Data File**  
Field Descriptions

**TRAFFIC** - (Col 1-2) Traffic is a 2-digit code that define the type of traffic in which the commodity was moved.

**WATERWAY** - (Col 3-6) Waterway is a 4-digit code that specifies the entity (port or waterway) for which statistics are compiled.

**PUB\_GROUP** - (Col 7-10) Publication Commodity Group is a 4-digit WCSC publication commodity code. The first two digits corresponds with the Lock performance Monitoring System, LPMS, commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes.

**ALLO1** - (Col 11) Allocation Code 1 is a 1-digit code that provides additional traffic information (primary direction) with direction, such as inbound (receipts), outbound (shipments), intraport (local) and through movements.

**ALLO2** - (Col 12) Allocation Code 2 is a 1-digit code that provides additional traffic information (secondary direction) with direction, such as upbound and downbound.

**TONS** - (Col 13-22) Cargo Tonnage is a 10-digit field. The tonnage figures represent short tons (2,000 pounds), rounded to the nearest thousand tons..

## **WCUS Manuscript Data File**

### **Traffic**

11	Foreign Imports
12	Foreign Exports
21	Canadian Imports
22	Canadian Exports
30	Coastwise
40	Lakewise
50	Internal
70	Intraport
80	Intraterritorial

### **Allocation Code 1**

#### **Primary Direction of Vessel:**

0	Waterway
1	Inbound (Receiving)
2	Outbound (Shipping)
3	Local
4	Through

### **Allocation Code 2**

#### **Secondary Direction of Vessel:**

0	Port
1	Upbound / Eastbound / Northbound
2	Downbound / Westbound / Southbound

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# APPENDIX 6

## Public Domain Data Base



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*State to State and Region to Region Field Descriptions*

**Public Domain Database File**

**State-to-State Field Descriptions**

**YEAR** - (Col 1-2) Year is a 2-digit field containing the data year.

**ORIG** - (Col 3-4) Origin is the 2 character abbreviation for the State where the commodity was loaded onto the vessel.

**DEST** - (Col 5-6) Destination is the 2 character abbreviation for the State where the commodity was unloaded off the vessel.

**COMM** - (Col 7-10) Commodity is a 4-digit WCSC public domain commodity code. The WCSC publication commodity codes were grouped to more general categories in order to protect the confidentiality of the data provided by individual companies.

**TONS** - (Col 11-19) Cargo Tonnage is a 9-digit field. The tonnage figures represent short tons (2,000 pounds).

**Region-to-Region Field Descriptions**

**YEAR** - (Col 1-2) Year is a 2-digit field containing the data year.

**ORIG** - (Col 3-4) Origin is a 2-digit code specifying the region where the commodity was loaded onto the vessel.

**DEST** - (Col 5-6) Destination is a 2-digit code specifying the region where the commodity was unloaded off the vessel.

**COMM** - (Col 7-10) Commodity is a 4-digit WCSC public domain commodity code. The WCSC publication commodity codes were grouped to more general categories in order to protect the confidentiality of the data provided by individual companies.

**TONS** - (Col 11-19) Cargo Tonnage is a 9-digit field. The tonnage figures represent short tons (2,000 pounds).

**Public Domain Database File**

**Region-to-Region Descriptions**

<b>Region</b>	<b>Region Name</b>
01	Upper Mississippi River
02	Lower Upper Mississippi River
03	Lower Mississippi River: Cairo to Baton Rouge
04	Lower Mississippi River: Baton Rouge to Gulf
05	Illinois Waterway
06	Missouri River
07	Ohio River System
08	Tennessee River
09	Arkansas River
10	Gulf Coast - West
11	Gulf Coast - East
12	Mobile River and Tributaries
13	South Atlantic Coast
14	Middle Atlantic Coast
15	North Atlantic Coast
16	Great Lakes System (U.S.)
17	Washington / Oregon Coast
18	Columbia-Snake Waterway / Willamette River
19	California Coast
20	Alaska
21	Hawaii and Pacific Territories
22	Caribbean
23	Canada
24	Rest of World (Overseas)
25	Trans-Shipments Area
26	Other

**Public Domain Database (PDDDB) File**

**State Definitions (as of 1990)**

<b>Code</b>	<b>State Name</b>	<b>Code</b>	<b>State Name</b>
AK	Alaska	MS	Mississippi
AL	Alabama	MT	Montana
AR	Arkansas	NC	North Carolina
AS	American Samoa	ND	North Dakota
AZ	Arizona	NE	Nebraska
CA	California	NH	New Hampshire
CN	Canada	NJ	New Jersey
CO	Colorado	NM	New Mexico
CT	Connecticut	NV	Nevada
DC	District of Columbia	NY	New York
DE	Delaware	OH	Ohio
EQ	Canton and Enderbury Islands	OK	Oklahoma
FL	Florida	OR	Oregon
FO	Foreign	OT	Other
GA	Georgia	PA	Pennsylvania
GU	Guam	PQ	Canal Zone
HI	Hawaii	PR	Puerto Rico
IA	Iowa	RI	Rhode Island
ID	Idaho	SC	South Carolina
IL	Illinois	SD	South Dakota
IN	Indiana	TN	Tennessee
KS	Kansas	TS	Trans-shipment Area
KY	Kentucky	TX	Texas
LA	Louisiana	UM	U.S. Minor Outlying Islands
MA	Massachusetts	UT	Utah
MD	Maryland	VA	Virginia
ME	Maine	VI	Virgin Islands
MH	Trust Territory of the Pacific Islands	VT	Vermont
MI	Michigan	WA	Washington
MN	Minnesota	WI	Wisconsin
MO	Missouri	WV	West Virginia
MP	Northern Mariana Islands	WY	Wyoming

**Public Domain Database (PDDDB) File**

**Commodity Descriptions / Cross Reference**

<b>PDDDB</b>	<b>Public Domain Commodity Name</b>	<b>PUB</b>	<b>Publication Commodity Name</b>
1000	Coal, Lignite, and Coal Coke	1100	Coal Lignite
		1200	Coal Coke
2100	Crude Petroleum	2100	Crude Petroleum
2229	Petroleum Products	2211	Gasoline
		2221	Kerosene
		2330	Distillate Fuel Oil
		2340	Residual Fuel Oil
		2350	Lube Oil and Greases
		2410	Petroleum Jelly and Waxes
		2429	Naphtha and Solvents
		2430	Asphalt, Tar and Pitch
		2540	Petroleum Coke
		2640	Liquid Natural Gas
		2990	Petroleum Products NEC
3100	Chemical Fertilizers	3110	Nitrogenous Fertilizers
		3120	Phosphatic Fertilizers
		3130	Potassic Fertilizers
		3190	Fertilizers and Mixes NEC
3200	Chemicals, excluding Fertilizers	3211	Acyclic Hydrocarbons
		3212	Benzene and Toluene
		3219	Other Hydrocarbons
		3220	Alcohols
		3230	Carboxylic Acids
		3240	Nitrogen Func. Comp.
		3250	Organo-Inorgan. Comp.
		3260	Organic Comp. NEC
		3271	Sulphur (Liquid)
		3272	Sulphuric Acid
		3273	Ammonia
		3274	Sodium Hydroxide
		3275	Inorg. Elem., Oxides & Halogen Salts

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***Commodity Descriptions / Cross Reference***

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<b>PDDDB Public Domain Commodity Name</b>	<b>PUB Publication Commodity Name</b>
3200 Chemicals, excluding Fertilizers (cont.)	3276 Metallic Salts
	3279 Inorganic Chemicals NEC
	3281 Radioactive Material
	3282 Pigments and Paints
	3283 Coloring Mat. NEC
	3284 Medicines
	3285 Perfumes and Cleansers
	3286 Plastics
	3291 Pesticides
	3200 Chemicals, excluding Fertilizers
	3292 Starches, Gluten and Glue
	3293 Explosives
	3297 Chemical Additives
	3298 Wood and Resin Chemicals
	3299 Chemical Products NEC
	7600 Rubber and Plastic Products
	4142 Lumber, Logs, Wood Chips, and Pulp
4150 Fuel Wood	
4161 Wood Chips	
4170 Wood in the Rough	
4189 Lumber	
4190 Forest Products NEC	
4225 Pulp and Waste Paper	
4349 Sand, Gravel, Shells, Clay, Salt, and Slag	
	4322 Limestone
	4323 Gypsum
	4327 Phosphate Rock
	4331 Sand and Gravel
	4333 Dredged Material
	4338 Soil and Fill Dirt
	4515 Marine Shells
	4741 Sulphur, (Dry)
	4782 Clay and Refrac. Mat.
	4860 Slag
4900 Non-Metallic Minerals NEC	

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***Commodity Descriptions / Cross Reference***

<b>PDDDB Public Domain Commodity Name</b>	<b>PUB Publication Commodity Name</b>
4400 Iron Ore, Iron, and Steel Waste and Scrap	4410 Iron Ore 4420 Iron and Steel Scrap
4600 Non-Ferrous Ores and Scrap	4630 Copper Ore 4650 Aluminum Ore 4670 Manganese Ore 4680 Non-Ferrous Scrap 4690 Non-Ferrous Ores NEC
5155 Primary Non-Metal Products	5110 Newsprint 5120 Paper and Paperboard 5190 Paper Products NEC 5210 Lime 5220 Cement and Concrete 5240 Glass and Glass Products 5290 Misc. Mineral Products 5540 Primary Wood Products
5354 Primary Metal Products	5312 Pig Iron 5315 Ferro Alloys 5320 I&S Primary Forms 5330 I&S Plates & Sheets 5360 I&S Bars & Shapes 5370 I&S Pipe & Tube 5390 Primary I&S NEC 5421 Copper 5422 Aluminum 5429 Smelted Products NEC 5480 Fab. Metal Products
6168 Food and Food Products	6134 Fish (Not Shellfish) 6136 Shellfish 6241 Wheat 6344 Corn 6442 Rice 6443 Barley and Rye 6445 Oats 6447 Sorghum Grains 6521 Peanuts

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***Commodity Descriptions / Cross Reference***

<b>PDDDB Public Domain Commodity Name</b>	<b>PUB Publication Commodity Name</b>
6168 Food and Food Products (cont.)	6522 Soybeans
	6534 Flaxseed
	6590 Oilseeds NEC
	6653 Vegetable Oils
	6654 Vegetables and Products
	6746 Wheat Flour
6168 Food and Food Products	6747 Grain Mill Products
	6781 Hay and Fodder
	6782 Animal Feed, Prep.
	6811 Meat, Fresh, Frozen
	6817 Meat, Prepared
	6822 Dairy Products
	6835 Fish, Prepared
	6838 Tallow, Animal Oils
	6839 Animals and Products NEC
	6856 Bananas and Plantains
	6857 Fruit and Nuts NEC
	6858 Fruit Juices
	6861 Sugar
	6865 Molasses
	6871 Coffee
	6872 Cocoa Beans
	6885 Alcoholic Beverages
	6887 Groceries
	6888 Water and Ice
	6889 Food Products NEC
	6891 Tobacco and Products
	6893 Cotton
	6894 Natural Fibers NEC
6899 Farm Products NEC	
7000 Manufactured Goods	7110 Machinery (Not Elec)
	7120 Electrical Machinery
	7210 Vehicles and Parts
	7220 Aircraft and Parts
	7230 Ships and Boats
	7000 Manufactured Goods
	7300 Ordnance and Accessories

***Commodity Descriptions / Cross Reference***

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<b>PDDDB Public Domain Commodity Name</b>	<b>PUB Publication Commodity Name</b>
7000	Manufactured Goods (cont.)
7400	Manufactured Wood Products
7500	Textile Products
7600	Rubber and Plastic Products
7800	Empty Containers
7900	Manufactured Products NEC
8099	Unknown and NEC
8900	Waste and Scrap NEC
9900	Unknown or NEC

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# APPENDIX 6

## Public Domain Data Base



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***State to State and Region to Region Field Descriptions***

**Public Domain Database File**

**State-to-State Field Descriptions**

**YEAR** - (Col 1-2) Year is a 2-digit field containing the data year.

**ORIG** - (Col 3-4) Origin is the 2 character abbreviation for the State where the commodity was loaded onto the vessel.

**DEST** - (Col 5-6) Destination is the 2 character abbreviation for the State where the commodity was unloaded off the vessel.

**COMM** - (Col 7-10) Commodity is a 4-digit WCSC public domain commodity code. The WCSC publication commodity codes were grouped to more general categories in order to protect the confidentiality of the data provided by individual companies.

**TONS** - (Col 11-19) Cargo Tonnage is a 9-digit field. The tonnage figures represent short tons (2,000 pounds).

**Region-to-Region Field Descriptions**

**YEAR** - (Col 1-2) Year is a 2-digit field containing the data year.

**ORIG** - (Col 3-4) Origin is a 2-digit code specifying the region where the commodity was loaded onto the vessel.

**DEST** - (Col 5-6) Destination is a 2-digit code specifying the region where the commodity was unloaded off the vessel.

**COMM** - (Col 7-10) Commodity is a 4-digit WCSC public domain commodity code. The WCSC publication commodity codes were grouped to more general categories in order to protect the confidentiality of the data provided by individual companies.

**TONS** - (Col 11-19) Cargo Tonnage is a 9-digit field. The tonnage figures represent short tons (2,000 pounds).

**Public Domain Database File**

**Region-to-Region Descriptions**

<b>Region</b>	<b>Region Name</b>
01	Upper Mississippi River
02	Lower Upper Mississippi River
03	Lower Mississippi River: Cairo to Baton Rouge
04	Lower Mississippi River: Baton Rouge to Gulf
05	Illinois Waterway
06	Missouri River
07	Ohio River System
08	Tennessee River
09	Arkansas River
10	Gulf Coast - West
11	Gulf Coast - East
12	Mobile River and Tributaries
13	South Atlantic Coast
14	Middle Atlantic Coast
15	North Atlantic Coast
16	Great Lakes System (U.S.)
17	Washington / Oregon Coast
18	Columbia-Snake Waterway / Willamette River
19	California Coast
20	Alaska
21	Hawaii and Pacific Territories
22	Caribbean
23	Canada
24	Rest of World (Overseas)
25	Trans-Shipments Area
26	Other

**Public Domain Database (PDDB) File****State Definitions (as of 1990)**

<b>Code</b>	<b>State Name</b>	<b>Code</b>	<b>State Name</b>
AK	Alaska	MS	Mississippi
AL	Alabama	MT	Montana
AR	Arkansas	NC	North Carolina
AS	American Samoa	ND	North Dakota
AZ	Arizona	NE	Nebraska
CA	California	NH	New Hampshire
CN	Canada	NJ	New Jersey
CO	Colorado	NM	New Mexico
CT	Connecticut	NV	Nevada
DC	District of Columbia	NY	New York
DE	Delaware	OH	Ohio
EQ	Canton and Enderbury Islands	OK	Oklahoma
FL	Florida	OR	Oregon
FO	Foreign	OT	Other
GA	Georgia	PA	Pennsylvania
GU	Guam	PQ	Canal Zone
HI	Hawaii	PR	Puerto Rico
IA	Iowa	RI	Rhode Island
ID	Idaho	SC	South Carolina
IL	Illinois	SD	South Dakota
IN	Indiana	TN	Tennessee
KS	Kansas	TS	Trans-shipment Area
KY	Kentucky	TX	Texas
LA	Louisiana	UM	U.S. Minor Outlying Islands
MA	Massachusetts	UT	Utah
MD	Maryland	VA	Virginia
ME	Maine	VI	Virgin Islands
MH	Trust Territory of the Pacific Islands	VT	Vermont
MI	Michigan	WA	Washington
MN	Minnesota	WI	Wisconsin
MO	Missouri	WV	West Virginia
MP	Northern Mariana Islands	WY	Wyoming

**Public Domain Database (PDDDB) File**

**Commodity Descriptions / Cross Reference**

<b>PDDDB</b>	<b>Public Domain Commodity Name</b>	<b>PUB</b>	<b>Publication Commodity Name</b>
1000	Coal, Lignite, and Coal Coke	1100	Coal Lignite
		1200	Coal Coke
2100	Crude Petroleum	2100	Crude Petroleum
2229	Petroleum Products	2211	Gasoline
		2221	Kerosene
		2330	Distillate Fuel Oil
		2340	Residual Fuel Oil
		2350	Lube Oil and Greases
		2410	Petroleum Jelly and Waxes
		2429	Naphtha and Solvents
		2430	Asphalt, Tar and Pitch
		2540	Petroleum Coke
		2640	Liquid Natural Gas
		2990	Petroleum Products NEC
3100	Chemical Fertilizers	3110	Nitrogenous Fertilizers
		3120	Phosphatic Fertilizers
		3130	Potassic Fertilizers
		3190	Fertilizers and Mixes NEC
3200	Chemicals, excluding Fertilizers	3211	Acyclic Hydrocarbons
		3212	Benzene and Toluene
		3219	Other Hydrocarbons
		3220	Alcohols
		3230	Carboxylic Acids
		3240	Nitrogen Func. Comp.
		3250	Organo-Inorgan. Comp.
		3260	Organic Comp. NEC
		3271	Sulphur (Liquid)
		3272	Sulphuric Acid
		3273	Ammonia
		3274	Sodium Hydroxide
		3275	Inorg. Elem., Oxides & Halogen Salts

***Commodity Descriptions / Cross Reference***

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<b>PDDDB Public Domain Commodity Name</b>	<b>PUB Publication Commodity Name</b>
3200 Chemicals, excluding Fertilizers (cont.)	3276 Metallic Salts
	3279 Inorganic Chemicals NEC
	3281 Radioactive Material
	3282 Pigments and Paints
	3283 Coloring Mat. NEC
	3284 Medicines
	3285 Perfumes and Cleansers
	3286 Plastics
	3291 Pesticides
	3200 Chemicals, excluding Fertilizers
	3292 Starches, Gluten and Glue
	3293 Explosives
	3297 Chemical Additives
	3298 Wood and Resin Chemicals
	3299 Chemical Products NEC
	7600 Rubber and Plastic Products
	4142 Lumber, Logs, Wood Chips, and Pulp
4150 Fuel Wood	
4161 Wood Chips	
4170 Wood in the Rough	
4189 Lumber	
4190 Forest Products NEC	
4225 Pulp and Waste Paper	
4349 Sand, Gravel, Shells, Clay, Salt, and Slag	4310 Building Stone
	4322 Limestone
	4323 Gypsum
	4327 Phosphate Rock
	4331 Sand and Gravel
	4333 Dredged Material
	4338 Soil and Fill Dirt
	4515 Marine Shells
	4741 Sulphur, (Dry)
	4782 Clay and Refrac. Mat.
	4860 Slag
4900 Non-Metallic Minerals NEC	

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***Commodity Descriptions / Cross Reference***

<b>PDDDB Public Domain Commodity Name</b>	<b>PUB Publication Commodity Name</b>
4400 Iron Ore, Iron, and Steel Waste and Scrap	4410 Iron Ore 4420 Iron and Steel Scrap
4600 Non-Ferrous Ores and Scrap	4630 Copper Ore 4650 Aluminum Ore 4670 Manganese Ore 4680 Non-Ferrous Scrap 4690 Non-Ferrous Ores NEC
5155 Primary Non-Metal Products	5110 Newsprint 5120 Paper and Paperboard 5190 Paper Products NEC 5210 Lime 5220 Cement and Concrete 5240 Glass and Glass Products 5290 Misc. Mineral Products 5540 Primary Wood Products
5354 Primary Metal Products	5312 Pig Iron 5315 Ferro Alloys 5320 I&S Primary Forms 5330 I&S Plates & Sheets 5360 I&S Bars & Shapes 5370 I&S Pipe & Tube 5390 Primary I&S NEC 5421 Copper 5422 Aluminum 5429 Smelted Products NEC 5480 Fab. Metal Products
6168 Food and Food Products	6134 Fish (Not Shellfish) 6136 Shellfish 6241 Wheat 6344 Corn 6442 Rice 6443 Barley and Rye 6445 Oats 6447 Sorghum Grains 6521 Peanuts

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***Commodity Descriptions / Cross Reference***

<b>PDDDB Public Domain Commodity Name</b>	<b>PUB Publication Commodity Name</b>
6168 Food and Food Products (cont.)	6522 Soybeans
	6534 Flaxseed
	6590 Oilseeds NEC
	6653 Vegetable Oils
	6654 Vegetables and Products
	6746 Wheat Flour
6168 Food and Food Products	6747 Grain Mill Products
	6781 Hay and Fodder
	6782 Animal Feed, Prep.
	6811 Meat, Fresh, Frozen
	6817 Meat, Prepared
	6822 Dairy Products
	6835 Fish, Prepared
	6838 Tallow, Animal Oils
	6839 Animals and Products NEC
	6856 Bananas and Plantains
	6857 Fruit and Nuts NEC
	6858 Fruit Juices
	6861 Sugar
	6865 Molasses
	6871 Coffee
	6872 Cocoa Beans
	6885 Alcoholic Beverages
	6887 Groceries
	6888 Water and Ice
	6889 Food Products NEC
	6891 Tobacco and Products
	6893 Cotton
	6894 Natural Fibers NEC
6899 Farm Products NEC	
7000 Manufactured Goods	7110 Machinery (Not Elec)
	7120 Electrical Machinery
	7210 Vehicles and Parts
	7220 Aircraft and Parts
	7230 Ships and Boats
	7000 Manufactured Goods
	7300 Ordnance and Accessories

***Commodity Descriptions / Cross Reference***

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<b>PDDDB Public Domain Commodity Name</b>	<b>PUB Publication Commodity Name</b>
7000	Manufactured Goods (cont.)
7400	Manufactured Wood Products
7500	Textile Products
7600	Rubber and Plastic Products
7800	Empty Containers
7900	Manufactured Products NEC
8099	Unknown and NEC
8900	Waste and Scrap NEC
9900	Unknown or NEC

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# APPENDIX 7

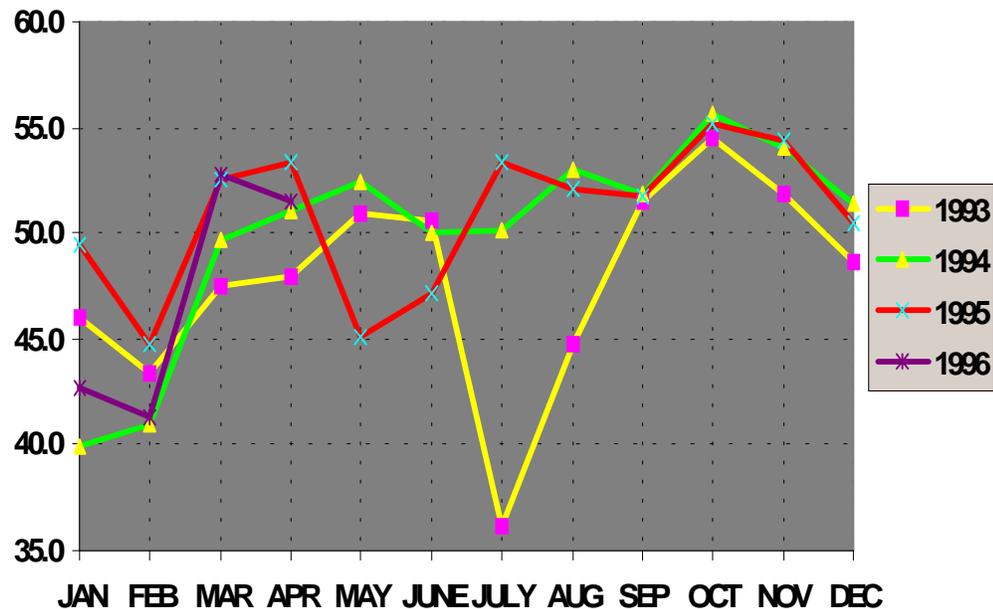
## Sample Reports



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# WCSC

# Internal U. S. Waterways Monthly Tonnage Indicator 1993-1996\*

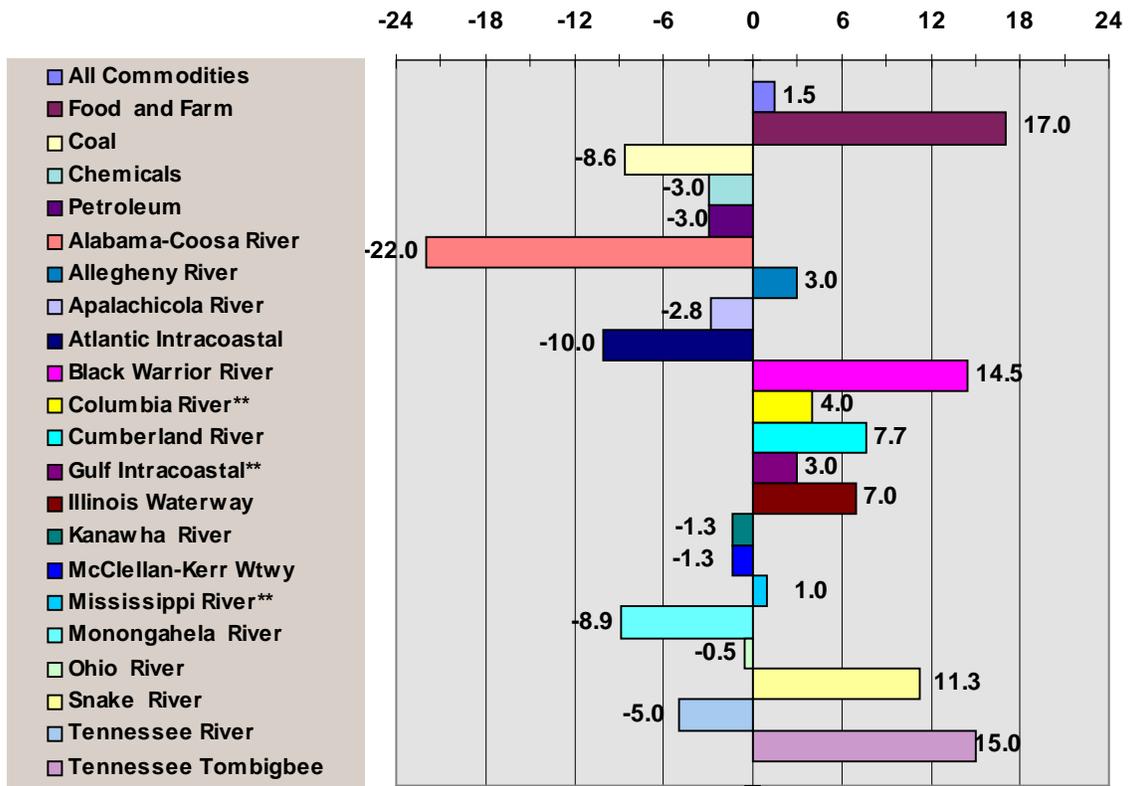


	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1993	46.0	43.4	47.5	48.0	50.9	50.6	36.1	44.8	51.5	54.5	51.9	48.7
1994	39.9	41.0	49.7	51.1	52.4	50.0	50.1	53.0	51.9	55.6	54.0	51.4
1995	49.5	44.7	52.6	53.4	45.1	47.2	53.3	52.1	51.8	55.2	54.4	50.5
1996	42.7	41.3	52.8	51.5								

\*Internal: Moved solely within the boundaries of the U.S. This indicator is for monthly comparison purposes only. Adding the indicators for 12 months will not equal the total annual internal tonnage. Accumulative March-February Tonnage (millions) is  
 1993-4: 565, 1994-5: 613, 1995-6: 600 (-2.2% from 1994-5).

# INTERNAL U. S. WATERWAYS TONNAGE COMPARISONS: 1994 vs 1995\*

## Percentage Change of Tons



\*1995 Estimated March 1996.

Internal: Moved solely within the boundaries of the U. S.

Rounding may cause slight discrepancies within the data.

\*\*Includes domestic coastwise tonnage.

WCSC: GULF COAST, MISSISSIPPI RIVER SYSTEM AND ANTILLES

MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM (CONSOLIDATED REPORT)

Section Included: Main stem of navigation system includes lower 10 miles of White River; Arkansas Post Canal; Arkansas River between Arkansas Post Canal and Muskogee, OK; and Verdigris River between Muskogee, OK and Catoosa, OK; (445 miles). Tributaries include the lower 5 miles of Lake Langhofer, lower 2 miles of Poteau River and the lower 10 miles of Sans Bois Creek (17 miles). Controlling Depth: 9 feet. Project Depth: 9 feet at low water stages.

Comparative Statement of Traffic  
(thousand tons)

Year	Total	Year	Total
1984	8,521	1989	7,927
1985	7,725	1990	8,786
1986	8,396	1991	9,014
1987	7,915	1992	8,526
1988	6,678	1993	9,382

Freight Traffic, 1993  
(thousand tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>9,382</b>	<b>2,304</b>	<b>3,922</b>	<b>99</b>	<b>574</b>	<b>1,281</b>	<b>1,202</b>
<b>Total coal</b>	<b>161</b>	<b>66</b>	<b>95</b>				
1100 coal lignite	56	56					
1200 coal coke	105	10	95				
<b>Total petroleum and petroleum products</b>	<b>543</b>	<b>297</b>	<b>246</b>				
<b>Subtotal crude petroleum</b>	<b>1</b>	<b>1</b>					
2100 crude petroleum	1	1					
<b>Subtotal petroleum products</b>	<b>542</b>	<b>295</b>	<b>246</b>				
2211 gasoline	204	203	1				
2330 distillate fuel oil	15	15					
2340 residual fuel oil	105	40	66				
2350 lube oil & greases	1		1				
2429 naphtha & solvents	4		4				
2430 asphalt, tar & pitch	88	37	51				
2540 petroleum coke	123		123				
<b>Total chemicals and related products</b>	<b>1,737</b>	<b>1,049</b>	<b>586</b>	<b>58</b>		<b>28</b>	<b>17</b>
<b>Subtotal fertilizers</b>	<b>1,517</b>	<b>910</b>	<b>504</b>	<b>58</b>		<b>28</b>	<b>17</b>
3110 nitrogenous fert.	998	429	504	34		26	3
3120 phosphatic fert.	36	33		3			
3130 potassic fert.	80	58		7		1	13
3190 fert. & mixes nec	403	390		13			
<b>Subtotal other chemicals and related products</b>	<b>221</b>	<b>139</b>	<b>82</b>				
3212 benzene & toluene	3	3					
3220 alcohols	17	17					
3274 sodium hydroxide	164	108	56				
3275 inorg. elem., oxides, & halogen salts	8	7	1				
3276 metallic salts	25		25				

WCSC: GULF COAST, MISSISSIPPI RIVER SYSTEM AND ANTILLES

MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM (CONSOLIDATED REPORT)  
 Freight Traffic, 1993 - continued  
 (thousand tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Subtotal primary non-ferrous metal products</b>	<b>108</b>	<b>99</b>	<b>9</b>	-----	-----	-----	-----
5422 aluminum	5	5	-----	-----	-----	-----	-----
5429 smelted prod. nec	6	-----	6	-----	-----	-----	-----
5480 fab. metal products	97	93	3	-----	-----	-----	-----
<b>Subtotal primary wood products</b>	<b>5</b>	<b>5</b>	-----	-----	-----	-----	-----
5540 primary wood prod.	5	5	-----	-----	-----	-----	-----
<b>Total food and farm products</b>	<b>2,513</b>	<b>269</b>	<b>1,673</b>	<b>1</b>	<b>566</b>	<b>2</b>	<b>1</b>
<b>Subtotal fish</b>	<b>3</b>	<b>3</b>	-----	-----	-----	-----	-----
6134 fish (not shellfish)	3	3	-----	-----	-----	-----	-----
<b>Subtotal grain</b>	<b>1,598</b>	<b>141</b>	<b>1,281</b>	-----	<b>175</b>	-----	-----
6241 wheat	1,082	-----	953	-----	129	-----	-----
6344 corn	117	-----	4	-----	2	-----	-----
6442 rice	198	111	1	194	3	-----	-----
6445 oats	29	-----	29	-----	-----	-----	-----
6447 sorghum grains	172	-----	130	-----	42	-----	-----
<b>Subtotal oilseeds</b>	<b>775</b>	<b>6</b>	<b>378</b>	-----	<b>390</b>	-----	<b>1</b>
6522 soybeans	765	4	372	-----	387	-----	1
6590 oilseeds nec	10	1	6	-----	3	-----	-----
<b>Subtotal vegetable products</b>	<b>1</b>	-----	<b>1</b>	-----	-----	-----	-----
6653 vegetable oils	1	-----	1	-----	-----	-----	-----
<b>Subtotal processed grain and animal feed</b>	<b>95</b>	<b>79</b>	<b>13</b>	<b>1</b>	-----	<b>2</b>	-----
6747 grain mill products	3	-----	3	-----	-----	-----	-----
6781 hay & fodder	1	-----	1	-----	-----	-----	-----
6782 animal feed, prep.	91	79	9	1	-----	2	-----
<b>Subtotal other agricultural products</b>	<b>40</b>	<b>40</b>	-----	-----	-----	-----	-----
6865 molasses	40	40	-----	-----	-----	-----	-----
<b>Total all manufactured equipment, machinery and products</b>	<b>2</b>	<b>2</b>	<b>1</b>	-----	-----	-----	-----
7110 machinery (not elec)	2	2	0	-----	-----	-----	-----
7120 electrical machinery	0	-----	0	-----	-----	-----	-----
7600 rubber & plastic pr.	0	0	-----	-----	-----	-----	-----
<b>Ton-miles (x1000)</b>	<b>1,835,683</b>	<b>671,904</b>	<b>1,113,397</b>	<b>992</b>	<b>5,738</b>	<b>3,574</b>	<b>40,078</b>
<b>Tons All Traffic (x1000)</b>	<b>9,382</b>						
<b>Ton-miles All Traffic (x1000)</b>	<b>1,835,683</b>						

Table 4-1: WATERBORNE COMMERCE BY STATES, 1993  
(thousand tons)

State	Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
<b>Total</b>	<b>2,128,221</b>	<b>737,365</b>	<b>411,258</b>	<b>737,365</b>	<b>648,783</b>	<b>330,815</b>
Alabama	69,641	7,718	11,865	22,597	9,321	18,140
Alaska	103,431	87,253	8,198	2,724	675	4,581
Arkansas	11,777	5,137	-	4,258	-	2,382
California	183,583	7,094	44,409	55,758	39,766	36,556
Connecticut	15,598	494	416	11,958	2,283	447
Delaware	34,356	15,507	599	1,703	13,314	3,233
District of Columbia	170	-	-	170	-	-
Florida	113,374	13,840	19,624	52,350	22,235	5,325
Georgia	16,900	793	6,779	2,798	6,308	222
Guam	259	15	-	244	-	-
Hawaii	20,092	1,198	605	7,480	4,899	5,910
Idaho	1,267	788	-	72	-	407
Illinois	105,278	71,912	803	19,476	3,039	10,048
Indiana	73,907	22,062	214	44,806	2,106	4,719
Iowa	12,155	8,301	-	3,155	-	699
Kansas	244	157	-	87	-	-
Kentucky	87,325	52,751	-	21,401	-	13,173
Louisiana	462,668	87,718	106,589	128,215	100,752	39,394
Maine	14,285	77	484	3,138	10,383	203
Maryland	41,724	5,021	12,761	7,953	12,412	3,577
Massachusetts	26,235	706	691	11,623	11,455	1,760
Michigan	71,896	23,068	5,463	21,360	5,456	16,549
Minnesota	49,307	35,794	4,456	6,053	464	2,540
Mississippi	42,140	13,670	3,755	9,096	14,533	1,086
Missouri	26,313	12,435	-	8,377	-	5,501
Nebraska	502	248	-	242	-	12
New Hampshire	3,692	36	331	830	2,494	1
New Jersey	90,001	28,267	6,690	24,960	25,811	4,273
New York	86,606	17,563	2,311	23,125	27,997	15,610
North Carolina	12,128	357	2,942	3,479	2,779	2,571
Ohio	114,883	26,553	10,697	53,783	4,203	19,647
Oklahoma	3,174	1,911	-	1,229	-	34
Oregon	39,889	4,534	17,570	7,079	3,480	7,226
Other	66,091	5,730	-	6,122	54,237	2
Pacific Islands	-	-	-	-	-	-
Pennsylvania	118,279	19,093	877	39,112	44,632	14,565
Puerto Rico	29,456	3,266	1,242	6,679	14,087	4,182
Rhode Island	7,360	564	424	3,834	2,422	116
South Carolina	13,068	300	5,240	3,287	4,163	78
Tennessee	36,313	5,571	-	27,232	-	3,510
Texas	333,061	46,182	49,079	25,733	164,165	47,902
Trans-Ship**	12,120	6,089	-	6,031	-	-
Vermont	-	-	-	-	-	-
Virgin Islands	34,364	14,312	1,197	4,825	13,650	380
Virginia	73,014	9,009	44,420	3,842	8,850	6,893
Washington	108,445	10,213	36,861	29,865	14,713	16,793
West Virginia	66,536	43,820	-	12,875	-	9,841
Wisconsin	32,659	20,234	3,668	6,331	1,698	728

\* Excludes duplication.

\*\*Ports and offshore anchorages where cargo is moved from one vessel to another. These are St. Lucia, Virgin Islands, Heald Bank off LA-TX coast, Cherique Grande, Panama, Puerto Armuelles, Panama and Hondo Platform-Pacific Ocean.

**Example**

**WCSC: Waterborne Commerce by States Ranked by Total Tons**

NATIONAL STATISTICS

Table 4-2: WATERBORNE COMMERCE BY STATES, 1993, RANKED BY TOTAL TONS  
(thousand tons)

State	Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
<b>Total</b>	<b>2,128,221</b>	<b>737,365</b>	<b>411,258</b>	<b>737,365</b>	<b>648,783</b>	<b>330,815</b>
Louisiana	462,668	87,718	106,589	128,215	100,752	39,394
Texas	333,061	46,182	49,079	25,733	164,165	47,902
California	183,583	7,094	44,409	55,758	39,766	36,556
Pennsylvania	118,279	19,093	877	39,112	44,632	14,565
Ohio	114,883	26,553	10,697	53,783	4,203	19,647
Florida	113,374	13,840	19,624	52,350	22,235	5,325
Washington	108,445	10,213	36,861	29,865	14,713	16,793
Illinois	105,278	71,912	803	19,476	3,039	10,048
Alaska	103,431	87,253	8,198	2,724	675	4,581
New Jersey	90,001	28,267	6,690	24,960	25,811	4,273
Kentucky	87,325	52,751	-	21,401	-	13,173
New York	86,606	17,563	2,311	23,125	27,997	15,610
Indiana	73,907	22,062	214	44,806	2,106	4,719
Virginia	73,014	9,009	44,420	3,842	8,850	6,893
Michigan	71,896	23,068	5,463	21,360	5,456	16,549
Alabama	69,641	7,718	11,865	22,597	9,321	18,140
West Virginia	66,536	43,820	-	12,875	-	9,841
Other	66,091	5,730	-	6,122	54,237	2
Minnesota	49,307	35,794	4,456	6,053	464	2,540
Mississippi	42,140	13,670	3,755	9,096	14,533	1,086
Maryland	41,724	5,021	12,761	7,953	12,412	3,577
Oregon	39,889	4,534	17,570	7,079	3,480	7,226
Tennessee	36,313	5,571	-	27,232	-	3,510
Virgin Islands	34,364	14,312	1,197	4,825	13,650	380
Delaware	34,356	15,507	599	1,703	13,314	3,233
Wisconsin	32,659	20,234	3,668	6,331	1,698	728
Puerto Rico	29,456	3,266	1,242	6,679	14,087	4,182
Missouri	26,313	12,435	-	8,377	-	5,501
Massachusetts	26,235	706	691	11,623	11,455	1,760
Hawaii	20,092	1,198	605	7,480	4,899	5,910
Georgia	16,900	793	6,779	2,798	6,308	222
Connecticut	15,598	494	416	11,958	2,283	447
Maine	14,285	77	484	3,138	10,383	203
South Carolina	13,068	300	5,240	3,287	4,163	78
Iowa	12,155	8,301	-	3,155	-	699
North Carolina	12,128	357	2,942	3,479	2,779	2,571
Trans-Ship**	12,120	6,089	-	6,031	-	-
Arkansas	11,777	5,137	-	4,258	-	2,382
Rhode Island	7,360	564	424	3,834	2,422	116
New Hampshire	3,692	36	331	830	2,494	1
Oklahoma	3,174	1,911	-	1,229	-	34
Idaho	1,267	788	-	72	-	407
Nebraska	502	248	-	242	-	12
Guam	259	15	-	244	-	-
Kansas	244	157	-	87	-	-
District of Columbia	170	-	-	170	-	-
Pacific Islands	-	-	-	-	-	-
Vermont	-	-	-	-	-	-

\* Excludes duplication.

\*\*Ports and offshore anchorages where cargo is moved from one vessel to another. These are St. Lucia, Virgin Islands, Heald Bank off LA-TX coast, Cherique Grande, Panama, Puerto Armuelles, Panama and Hondo Platform-Pacific Ocean.

4-2 STATES: Ranked by Tons

PORTS

Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 1993  
(tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
71	Albany, NY	6,052,747	1,178,014	828,046	349,968	4,874,733
100	Alpena, MI	2,547,252	158,175	57,809	100,366	2,389,077
46	Anacortes, WA	13,123,794	1,707,302	539,693	1,167,609	11,416,492
103	Anchorage, AK	2,470,067	532,579	105,135	427,444	1,937,488
58	Ashtabula, OH	8,979,038	2,955,654	876,059	2,079,595	6,023,384
20	Baltimore, MD	37,170,223	24,777,315	12,028,320	12,748,995	12,392,908
56	Barbers Point, Oahu, H	9,356,826	4,998,074	4,486,544	511,530	4,358,752
5	Baton Rouge, LA	85,078,863	40,455,292	27,503,859	12,951,433	44,623,571
25	Beaumont, TX	25,409,757	11,886,369	8,207,459	3,678,910	13,523,388
135	Bellingham, WA	1,223,117	796,834	198,466	598,368	426,283
116	Biloxi, MS	1,781,628	-	-	-	1,781,628
31	Boston, MA	19,447,857	10,002,620	9,319,378	683,242	9,445,237
95	Bridgeport, CT	2,942,320	309,874	299,970	9,904	2,632,446
113	Brownsville, TX	1,926,745	589,269	522,385	66,884	1,337,476
122	Brunswick, GA	1,593,328	1,404,138	903,432	500,706	189,190
139	Bucksport, ME	1,157,849	768,967	768,967	-	388,882
111	Buffalo, NY	2,108,758	526,358	390,094	136,264	1,582,400
144	Buffington, IN	1,047,280	-	-	-	1,047,280
57	Burns Waterway Harbor, IN	9,315,387	2,099,442	1,967,766	131,676	7,215,945
70	Calcite, MI	6,419,350	1,406,639	-	1,406,639	5,012,711
79	Camden-Gloucester, NJ	4,663,626	2,544,031	1,493,170	1,050,861	2,119,595
55	Charleston, SC	9,502,726	5,990,180	2,563,903	3,426,277	3,512,546
127	Charlevoix, MI	1,467,018	-	-	-	1,467,018
134	Charlotte, FL	1,230,065	-	-	-	1,230,065
101	Chattanooga, TN	2,515,314	-	-	-	2,515,314
125	Chester, PA	1,552,677	1,025,515	808,656	216,859	527,162
26	Chicago, IL	25,048,025	3,841,663	3,038,706	802,957	21,206,362
137	Christiansted, St Croi	1,201,785	1,063,967	974,241	89,726	137,818
44	Cincinnati, OH	13,648,255	-	-	-	13,648,255
41	Cleveland, OH	14,083,014	2,235,929	2,065,308	170,621	11,847,085
88	Conneaut, OH	3,534,446	1,269,993	-	1,269,993	2,264,453
74	Coos Bay, OR	5,412,877	3,331,032	7,998	3,323,034	2,081,845
7	Corpus Christi, TX	59,649,751	36,060,731	29,070,847	6,989,884	23,589,020
34	Detroit, MI	17,421,533	3,430,154	2,928,032	502,122	13,991,379
109	Drummond Island, MI	2,204,622	841,377	-	841,377	1,363,245
19	Duluth-Superior, MN &	37,679,398	8,949,848	951,218	7,998,630	28,729,550
138	Erie, PA	1,160,144	169,345	169,334	11	990,799
66	Esanaba, MI	7,141,565	-	-	-	7,141,565
78	Everett, WA	4,714,275	1,375,369	304,805	1,070,564	3,338,906
105	Fairport Harbor, OH	2,402,986	43,607	-	43,607	2,359,379
90	Fall River, MA	3,457,920	711,069	710,540	529	2,746,851
42	Freeport, TX	14,024,604	8,647,271	7,404,082	1,243,189	5,377,333
52	Galveston, TX	9,755,324	5,947,083	1,428,360	4,518,723	3,808,241
63	Gary, IN	7,739,951	49,777	-	49,777	7,690,174
140	Georgetown, SC	1,112,801	1,003,319	847,083	156,236	109,482
145	Grand Haven, MI	1,004,162	227,279	37,642	189,637	776,883
83	Grays Harbor, WA	4,382,558	1,623,444	15,883	1,607,561	2,759,114
98	Green Bay, WI	2,586,853	251,061	223,693	27,368	2,335,792
97	Greenville, MS	2,723,546	-	-	-	2,723,546
129	Gulfport, MS	1,420,446	1,315,634	949,166	366,468	104,812

PORTS: Alphabetical 5-1

NATIONAL STATISTICS

Table 5-2: SELECTED U.S. PORTS, 1993, RANKED BY TOTAL TONS  
(tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
1	South Louisiana, LA, P	193,796,104	93,733,317	32,417,949	61,315,368	100,062,787
2	Houston, TX	141,476,979	77,147,794	51,446,146	25,701,648	64,329,185
3	New York, NY & NJ	116,735,760	42,714,052	35,504,203	7,209,849	74,021,708
4	Valdez, AK	85,722,337	10,479	9,738	741	85,711,858
5	Baton Rouge, LA	85,078,863	40,455,292	27,503,859	12,951,433	44,623,571
6	New Orleans, LA	67,037,285	29,008,815	13,850,243	15,158,572	38,028,470
7	Corpus Christi, TX	59,649,751	36,060,731	29,070,847	6,989,884	23,589,020
8	Long Beach, CA	54,320,932	30,117,962	13,605,504	16,512,458	24,202,970
9	Texas City, TX	53,652,781	36,215,414	33,908,578	2,306,836	17,437,367
10	Plaquemine, LA, Port of	53,110,120	16,896,260	5,125,492	11,770,768	36,213,860
11	Norfolk Harbor, VA	45,543,792	37,193,684	4,590,832	32,602,852	8,350,108
12	Lake Charles, LA	45,436,380	26,743,426	21,350,976	5,392,450	18,692,954
13	Tampa, FL	44,992,777	17,320,772	5,847,493	11,473,279	27,672,005
14	Pittsburgh, PA	44,490,094	-	-	-	44,490,094
15	Mobile, AL	43,959,704	21,185,656	9,320,986	11,864,670	22,774,048
16	Los Angeles, CA	43,622,807	24,533,101	13,696,983	10,836,118	19,089,706
17	Philadelphia, PA	42,707,684	27,595,405	27,070,418	524,987	15,112,279
18	Port Arthur, TX	38,326,902	32,460,369	28,044,238	4,416,131	5,866,533
19	Duluth-Superior, MN &	37,679,398	8,949,848	951,218	7,998,630	28,729,550
20	Baltimore, MD	37,170,223	24,777,315	12,028,320	12,748,995	12,392,908
21	Marcus Hook, PA	30,907,303	16,581,736	16,493,408	88,328	14,325,567
22	Portland, OR	29,804,208	17,422,371	3,344,986	14,077,385	12,381,837
23	St. Louis, MO & IL	27,551,350	-	-	-	27,551,350
24	Pascagoula, MS	27,020,433	16,972,361	13,584,266	3,388,095	10,048,072
25	Beaumont, TX	25,409,757	11,886,369	8,207,459	3,678,910	13,523,388
26	Chicago, IL	25,048,025	3,841,663	3,038,706	802,957	21,206,362
27	Richmond, CA	24,570,112	5,727,815	1,768,878	3,958,937	18,842,297
28	Huntington, WV	22,833,285	-	-	-	22,833,285
29	Paulsboro, NJ	22,614,762	12,321,472	12,223,023	98,449	10,293,290
30	Seattle, WA	21,693,410	14,084,696	7,123,683	6,961,013	7,608,714
31	Boston, MA	19,447,857	10,002,620	9,319,378	683,242	9,445,237
32	Jacksonville, FL	18,849,849	8,069,818	6,708,859	1,360,959	10,780,031
33	Tacoma, WA	18,651,709	12,314,150	4,364,682	7,949,468	6,337,559
34	Detroit, MI	17,421,533	3,430,154	2,928,032	502,122	13,991,379
35	Newport News, VA	16,734,878	12,806,304	1,713,160	11,093,144	3,928,574
36	Port Everglades, FL	16,297,269	5,692,084	4,698,001	994,083	10,605,185
37	Indiana Harbor, IN	15,546,403	170,766	138,666	32,100	15,375,637
38	Savannah, GA	14,962,844	11,682,728	5,404,795	6,277,933	3,280,116
39	New Castle, DE	14,242,529	7,622,308	7,542,827	79,481	6,620,221
40	San Juan, PR	14,153,403	5,264,597	4,629,285	635,312	8,888,806
41	Cleveland, OH	14,083,014	2,235,929	2,065,308	170,621	11,847,085
42	Freeport, TX	14,024,604	8,647,271	7,404,082	1,243,189	5,377,333
43	Lorain, OH	13,676,686	26,784	19,184	7,600	13,649,902
44	Cincinnati, OH	13,648,255	-	-	-	13,648,255
45	Memphis, TN	13,332,165	-	-	-	13,332,165
46	Anacortes, WA	13,123,794	1,707,302	539,693	1,167,609	11,416,492
47	Oakland, CA	12,733,691	8,840,865	4,051,681	4,789,184	3,892,826
48	Toledo, OH	12,149,760	4,924,501	1,194,365	3,730,136	7,225,259
49	Portland, ME	11,171,097	9,026,329	8,834,786	191,543	2,144,768
50	Two Harbors, MN	10,711,059	-	-	-	10,711,059

5-4 PORTS:Ranked by Total Tons

ORIGIN AND DESTINATION OF WATERBORNE COMMERCE OF THE UNITED STATES, 1993				TONS
ORIGIN	DESTINATION	CODE	COMMODITY	
West Virginia	Alabama	1000	Coal, Lignite, and Coal Coke	2,160,720
	*****	8099	Unknown and Not Elsewhere Classified Products	18,166
	sum			2,178,886
Arkansas	*****	8099	Unknown and Not Elsewhere Classified Products	91,254
	sum			91,254
	Florida	8099	Unknown and Not Elsewhere Classified Products	9,387
sum	*****			9,387
	Illinois	1000	Coal, Lignite, and Coal Coke	2,141,314
	*****	3200	Chemicals excluding Fertilizers	29,280
sum	*****	8099	Unknown and Not Elsewhere Classified Products	25,159
	Indiana	1000	Coal, Lignite, and Coal Coke	747,745
	*****	8099	Unknown and Not Elsewhere Classified Products	491,127
sum	*****			1,238,872
	Iowa	1000	Coal, Lignite, and Coal Coke	81,087
	*****			81,087
Kentucky	*****	1000	Coal, Lignite, and Coal Coke	3,678,229
	*****	3200	Chemicals excluding Fertilizers	38,052
	*****	8099	Unknown and Not Elsewhere Classified Products	2,500,448
sum	*****			6,216,729
	Louisiana	1000	Coal, Lignite, and Coal Coke	4,702,786
	*****	4400	Iron Ore, Iron, and Steel Waste and Scrap	11,400
sum	*****	8099	Unknown and Not Elsewhere Classified Products	16,688
	Minnesota	1000	Coal, Lignite, and Coal Coke	4,730,874
	*****			57,836
sum	*****			57,836
	Mississippi	1000	Coal, Lignite, and Coal Coke	107,970
	*****	2229	Petroleum Products	19,689
sum	*****	8099	Unknown and Not Elsewhere Classified Products	2,804
	Missouri	1000	Coal, Lignite, and Coal Coke	130,463
	*****	8099	Unknown and Not Elsewhere Classified Products	104,784
sum	*****			3,864

DESTINATION	ORIGIN	DESTINATION AND ORIGIN OF WATERBORNE COMMERCE OF THE UNITED STATES, 1993	COMMODITY	TONS
North Carolina	Canada		Petroleum Products	39,179
			Chemical Fertilizers	17,053
			Chemicals excluding Fertilizers	50,620
			Sand, Gravel, Shells, Clay, Salt, and slag	260,017
			Primary Non-Metal Products	14,914
			Manufactured Goods	11
		sum		381,794
		Delaware	8099 Unknown and Not Elsewhere Classified Products	102,217
		sum		102,217
		Florida	2229 Petroleum Products	209,927
	sum	8099 Unknown and Not Elsewhere Classified Products	150	
	sum		210,077	
	Foreign	2229 Petroleum Products	354,364	
		3100 Chemical Fertilizers	291,502	
		3200 Chemicals excluding Fertilizers	560,022	
		4142 Lumber Logs, Wood Chips, and Pulp	13,713	
		4349 Sand Gravel, Shells, Clay, Salt, and Slag	502,128	
		4600 Non-Ferrous Ores and Scrap	130,982	
		5355 Primary Non-Metal Products	92,702	
		5354 Primary Metal Products	133,533	
		6168 Food and Food Products	169,761	
		7000 Manufactured Goods	138,486	
	sum	8099 Unknown and Not Elsewhere Classified Products	10,262	
	sum		2,397,455	
	Georgia	2229 Petroleum Products	301,772	
	sum	8099 Unknown and Not Elsewhere Classified Products	29,128	
	sum		330,900	
	Louisiana	3200 Chemicals excluding Fertilizers	202,544	
	sum	8099 Unknown and Not Elsewhere Classified Products	47,153	
	sum		249,697	
	Maryland	8099 Unknown and Not Elsewhere Classified Products	65	
	sum		65	
	Mississippi	8099 Unknown and Not Elsewhere Classified Products	36,515	
	sum		36,515	
	New Jersey	8099 Unknown and Not Elsewhere Classified Products	51,377	

ORIGIN AND DESTINATION OF WATERBORNE COMMERCE OF THE UNITED STATES BY COMMODITY, 1993

CODE	COMMODITY	ORIGIN	DESTINATION	TONS
2100	Crude Petroleum	Alabama	Alabama	550,327
		Alabama	Louisiana	989,513
		Alaska	Alaska	2,016,613
		Alaska	California	47,295,081
		Alaska	Hawaii	3,519,936
		Alaska	Trans-shipment Area	5,821,912
		California	Washington	24,593,032
		California	California	12,170,874
		Canada	Foreign	64,163
		Canada	Alabama	425,677
		Canada	Alaska	18,571
		Canada	California	192,118
		Canada	Hawaii	18,606
		Canada	Louisiana	79,486
		Canada	New York	27,613
		Canada	Texas	137,174
		Canada	Washington	153,704
		Florida	Foreign	703
		Foreign	Alabama	2,396,137
		Foreign	California	7,147,689
		Foreign	Delaware	10,929,195
		Foreign	Florida	482,101
		Foreign	Georgia	562,691
		Foreign	Hawaii	3,622,999
		Foreign	Louisiana	63,948,952
		Foreign	Maine	5,955,946
		Foreign	Mississippi	10,432,842
		Foreign	New Jersey	13,299,041
		Foreign	New York	9,956,490
		Foreign	Oregon	392,500
		Foreign	Other	54,237,073
		Foreign	Pennsylvania	34,150,064
		Foreign	Puerto Rico	4,483,053
		Foreign	South Carolina	1,172,886
		Foreign	Texas	119,607,844
		Foreign	Virgin Islands	11,696,773
		Foreign	Virginia	2,880,051
		Foreign	Washington	744,500
		Louisiana	Alabama	315,931
		Louisiana	Indiana	107,265
		Louisiana	Louisiana	11,884,453
		Louisiana	Mississippi	351,497
		Louisiana	Texas	3,585,183
		Maryland	Foreign	51
		Minnesota	Canada	236
			subtotal =	287,944,283
			original total =	12,460,507
				300,404,770

(4.1% of these commodities were placed in the unknown category)

ORIGIN	DESTINATION	CODE	COMMODITY	TONS
ORIGIN AND DESTINATION OF WATERBORNE COMMERCE OF THE UNITED STATES, 1992				
Great Lakes System	Tennessee River	5354	Primary Metal Products	10,646
	*****	8099	Unknown and Not Elsewhere Classified Products	59,641
	sum			70,287
	Upper Mississippi River	4400	Iron Ore, Iron, and Steel Waste and Scrap	34,823
	*****	8099	Unknown and Not Elsewhere Classified Products	62,776
	sum			97,599
*****				-----
sum				143,012.427
Gulf Coast East	Arkansas River	3100	Chemical Fertilizers	20,981
	*****	8099	Unknown and Not Elsewhere Classified Products	2,571
	sum			23,552
	Canada	2229	Petroleum Products	183,062
		3100	Chemical Fertilizers	25,750
		4349	Sand, Gravel, Shells, Clay, Salt, and Slag	114,940
		7000	Manufactured goods	51
	sum			323,803
	Caribbean	8099	Unknown and Not Elsewhere Classified Products	85,773
	*****			-----
	sum			85,773
	Great Lakes System	8099	Unknown and Not Elsewhere Classified Products	13,862
	*****			-----
	sum			13,862
	Gulf Coast East	2229	Petroleum Products	3,191,932
		3200	Chemicals excluding Fertilizers	234,618
		4349	Sand, Gravel, Shells, Clay, Salt, and Slag	298,313
		5354	Primary Non-Metal Products	18,450
		5354	Primary Metal Products	7,659
		6168	Food and Food Products	38,760
		7000	Manufactured Goods	10,541
		8099	Unknown and Not Elsewhere Classified Products	11,291
	sum			3,811,564
	Gulf Coast West	2229	Petroleum Products	639,711
		3200	Chemicals excluding Fertilizers	26,847
		5354	Primary Metal Products	5,150

Example

WCSC: Public Domain Database - Region to Region by Destination

DESTINATION	ORIGIN	CODE COMMODITY	TONS
DESTINATION AND ORIGIN OF WATERBORNE COMMERCE OF THE UNITED STATES, 1993			
Alaska	Washington/Oregon Coast	2229 Petroleum Products	298,772
		3100 Chemical Fertilizers	2,996
		3200 Chemicals excluding Fertilizers	116,380
		4142 Lumber, Logs, Wood Chips, and Pulp	56,835
		4349 Sand, Gravel, Shells, Clay, Salt, and Slag	30,974
		5155 Primary Non-Metal Products	103,796
		5354 Primary Metal Products	127,466
		6168 Food and Food Products	1,010,034
		7000 Manufactured Goods	576,938
		8099 Unknown and Not Elsewhere Classified Products	60,557
	sum		2,384,748
*****			
Arkansas River	Arkansas River	3100 Chemical Fertilizers	44,330
		4349 Sand, Gravel, Shells, Clay, Salt, and Slag	2,270,496
		8099 Unknown and Not Elsewhere Classified Products	4,618
	sum		2,319,444
*****			
Great Lakes System	Great Lakes System	5354 Primary Metal Products	32,411
		6168 Food and Food Products	3,943
		8099 Unknown and Not Elsewhere Classified Products	1,553
	sum		37,907
*****			
Gulf Coast East	Gulf Coast East	3100 Chemical Fertilizers	25,842
	sum		25,842
*****			
Gulf Coast West	Gulf Coast West	2229 Petroleum Products	48,294
		3100 Chemical Fertilizers	23,590
		8099 Unknown and Not Elsewhere Classified Products	28,396
	sum		100,280
*****			
Illinois Waterway	Illinois Waterway	6168 Food and Food Products	22,658
		8099 Unknown and Not Elsewhere Classified Products	9,486
	sum		32,144
*****			
Lower Miss: Baton Rouge - G	Lower Miss: Baton Rouge - G	2229 Petroleum Products	105,399
		3100 Chemical Fertilizers	776,863



**Summary of United States Flag Passenger and Cargo Vessels  
Operating or Available for Operation on 31 Dec '93**  
(Exclusive of Fishing and Excursion Vessels, General Ferries, and  
Dredges, Derricks, etc., used in Construction Work.)

Type of Vessels	Total 1992	31 Dec '93			
		Total 1993	Atlantic, Gulf and Pacific Coasts	Mississippi River System and the Gulf Intracoastal Waterway	Great Lakes System
<b>SELF-PROPELLED</b>					
Dry Cargo/and/or/Passenger steam or motor					
Number of vessels	2,323	2,332	841	1,343	148
Horsepower	7,134,476	7,191,506	4,521,487	2,092,667	577,352
Cargo Capacity (short tons)	6,948,466	7,044,279	4,464,627	455,094	2,124,558
Number of passengers(cap.)	138,288	155,672	83,734	53,880	18,058
Ferries, Railroad Car,steam or motor					
Number of vessels	572	572	376	111	85
Horsepower	829,547	856,682	601,668	189,503	65,511
Number of R.R. Cars (cap.)	---	---	---	---	---
Number of passengers(cap.)	170,876	178,151	138,470	20,543	19,138
Tankers, Steam or Motor					
Number of vessels	211	195	190	---	5
Horsepower	2,744,071	2,453,400	2,441,100	---	12,300
Cargo Capacity (short tons)	12,481,803	10,609,398	10,579,764	---	29,634
Towboats					
Number of vessels	5,205	5,224	1,745	3,291	188
Horsepower	8,837,422	8,999,262	3,237,577	5,558,105	203,580
<b>TOTAL SELF-PROPELLED</b>					
Number of vessels	8,311	8,323	3,152	4,745	426
Horsepower	19,545,516	19,500,850	10,801,832	7,840,275	858,743
Cargo Capacity (short tons)	19,430,269	17,653,677	15,044,391	455,094	2,154,192
Number of passengers(cap.)	309,164	333,823	222,204	74,423	37,196
<b>NON-SELF-PROPELLED</b>					
Barges and Scows, Dry Cargo					
Number of vessels	26,984	26,913	3,252	23,422	239
Cargo Capacity (short tons)	38,707,260	38,826,724	4,810,911	33,605,991	409,822
Tankers					
Number of vessels	3,905	3,862	664	3,173	25
Cargo Capacity (short tons)	10,742,569	10,719,103	3,762,173	6,911,513	45,417
Railroad Car Floats					
Number of vessels	10	10	6	---	4
Number of R.R. cars (cap.)	222	222	107	---	115
<b>TOTAL NON-SELF-PROPELLED</b>					
Number of vessels	30,899	30,785	3,922	26,595	268
Cargo Capacity (short tons)	49,449,829	49,545,827	8,573,084	40,517,504	455,239
Number of R.R. cars (cap.)	222	222	107	---	115
<b>GRAND TOTAL, SELF-PROPELLED AND NON-SELF-PROPELLED</b>					
Number of vessels	39,210	39,108	7,074	31,340	694
Horsepower	19,545,516	19,500,850	10,801,832	7,840,275	858,743
Cargo Capacity (short tons)	68,880,098	67,199,504	23,617,475	40,972,598	2,609,431
Number of Passengers (cap.)	309,164	333,823	222,204	74,423	37,196
Number of R.R. cars (cap.)	222	222	107	---	115

**Example**

**WCSC: WTLUS - Table 1**

TABLE 1 - ALPHARETICAL LIST OF TRANSPORTATION LINES		
ENG. DIST.	OPERATOR NAME	ADDRESS
26	3 RIVERS MARINE	ATTN: MARY VASSELOPOULOS 1 2500 DES PLAINES RIVER RD. WILMINGTON IL 60481
32	3-M BOAT RENTAL, INC.	P. O. BOX 10145 STATION I MOUMA LA 70363
32	A & C BARGES, INC.	1905 S. BAYOU DR. GOLDEN MEADOW LA 70357
32	A & B MARINE, INC.	133 EAST 92ND ST. CUT OFF LA 70345
03	A & S TRANSPORTATION	75 JACOBUS AVENUE SOUTH KEARNEY NJ 07032
11	A T TOWING	P. O. BOX 13817 CHESAPEAKE VA 23325-0817
28	A D M	ATTN: CRAIG MALASCHAK 4666 FARIES PARKWAY DECATUR IL 62525
21	A N B O TOWING, INC.	11341 STATE ROUTE 170 NEGLEY OH 44441
32	A M C BOATS, INC.	P. O. BOX 600 GOLDEN MEADOW LA 70357
01	A. C. EMBUSE LINE, INC.	P. O. BOX 1445 BOSTON MA 02205
32	A. C. MARINE	P. O. BOX 1098 EAST 50TH ST. GALLIANO LA 70354
32	A. M. C. MARINE SERVICES	ATTN: ALAN CHERANIG P. O. BOX 614 GOLDEN MEADOW LA 70357
20	ABEL, FRANK T.	1001 FRONT ST. NEW RICHMOND OH 45157
32	ACADIAN TOMBOATS, INC.	FOOT OF NORTH ST. P. O. BOX 1429 BATON ROUGE LA 70821
01	ACADIAN WHALE WATCHER CO.	ATTN: GREG CURRY P. O. BOX 46755 WEST ST. BAR HARBOR ME 04809
20	ACCOUNTING & BUSINESS CONSULTING CORP.	824 EAST RIVERVIEW DRIVE BELLE WV 25015
27	ACKMAN, L. V.	5100 IDS CENTER MINNEAPOLIS MN 55402
32	ACTION MARINE, INC.	P. O. BOX 5 LULING LA 70070
32	ADAMS TOWING CORP.	P. O. BOX 168 MORGAN CITY LA 70380
32	ADAMS, DONALD & JOHNNY TOWING CO.	180 ADAM BLVD. LOCKPORT LA 70374
41	ADAMS, RICHARD W.	8891 TRACY AVE. GARDEN GROVE CA 92641
32	ADMIRAL LEE TOWING, INC.	ATTN: ALLEN LEE 13314 WEST MAIN LAROSE LA 70345
32	AEGEAN PRINCESS, INC.	P. O. BOX 1062 410 ST. PHELIP THIBODAUX LA 70302
18	AEP OPERATING COMPANY-INDIANA MICHIGAN POWER	FANNERS CREEK PLANT P. O. BOX 312 LAWRENCEBURG IN 47025
33	AFRAM CARRIERS, INC.	8211 CHANNELSIDE ST. HOUSTON TX 77012
26	AGGREGATE MATERIALS CO.	E. 12TH ST. EXTENSION DUBURIE IA 52001
42	AIKANE CATAMARANS	ATTN: BARRY CHOY 677 ALA MOANA BLVD.-ROOM 502 HONOLULU HI 96813
38	AK TUG AND BARGE, INC.	P. O. BOX 5155 KETCHIKAN AK 99901
33	AKER GULF MARINE FABRICATORS	P. O. BOX C INGLETSIDE TX 78362-1302
33	ALAND INTERCOASTAL TRANSPORT, INC.	ATTN: MW. NIME P. O. BOX 4403 VICTORIA TX 77903
33	ALASCO TOWING CO.	P. O. BOX 1590 WRANGELL AK 99929
38	ALASKA CATAMARAN, INC.	P. O. BOX 211609 AUKU BAY AK 998211609
36	ALASKA DIVE BOAT	122 1ST AVE. SUITE 302 FAIRBANKS AK 99701

Example

WCSC: WTLUS - Table 2

TABLE 2 - DESCRIPTION OF VESSELS															7.9
ENGR DIST	OPERATOR	NET REG	CODE	REG. LOAD	REG. ED	CAPACITY	HIGH	SHORT	EST	CARGO HANDLING	VESSEL	IS	OPERATING	YEAR	
VESSEL NAME AND NUMBER	GUARD NUMBER	TONNAGE	REG	OVER	LOVER	DEPTH	HEIGHT	HORSE	POWER	EMGERS	POINT	EQUIPMENT	TC	RAG	BUILT
			TV (FEET)	FEET	FEET	POWER	EMGERS	(FEET)			LINE-1	LINE-2	LINE-2	REBUILT	
(26) J RIVERS MARINE															
ANNIE S	285542	1513A361	40.2	14.0	4.5	300	-	14.0	NONE		IL DFS	PLAINES		1961	
(32) S-M BOAT RENTAL, INC.															
MARIE M. HORGAN	628798	7513A351	62.0	24.0	7.0	800	-	32.0	NONE		LA HOMA			1980	
(32) A & C BARGES, INC.															
RM 101	NOT/DOC	17214A43	110.0	30.0	7.0	-	450	7.5	NONE		LA GOLDEN			1975	
RB 101	NOT/DOC	17214A43	110.0	30.0	7.0	-	450	7.5	NONE		LA GOLDEN			1980	
RB 754	NOT/DOC	17214A43	110.0	30.0	7.0	-	450	7.5	NONE		LA GOLDEN			1972	
Y&L 101	NOT/DOC	19514A44	130.0	30.0	6.0	-	400	7.0	NONE		LA GOLDEN			1982	
(32) A & D MARINE, INC.															
KATE LOLLY	556275	3113A351	47.5	18.0	5.5	600	-	35.0	NONE		LA HARVEY			1971	
(03) A & S TRANSPORTATION															
DINA MARIE	260490	150515A74	211.1	42.9	15.5	-	3000	15.0	NONE		NJ SOUTH			1950	
LISA	278314	407615A71	272.0	68.0	17.2	-	8000	40.0	2-TON BOOM		NJ SOUTH			1959	
MARIA	279362	256815A74	300.0	64.0	15.0	-	8000	34.0	14 2-TON BOOMS		NJ SOUTH			1959	
VERONICA EVELYN	265571	150515A74	211.1	42.9	11.0	-	3000	29.5	NONE		NJ SOUTH			1953	
(11) A 1 TOWING															
CAPTAIN D	554079	19813A361	90.0	26.0	11.5	1750	-	36.0	NONE		VA NORFOLK			1974	
LADY D	506044	15413A361	99.5	29.1	12.0	1900	-	36.0	NONE		VA NORFOLK			1966	
LUCKY D	528453	10313A361	86.3	27.9	12.0	1750	-	40.0	NONE		VA NORFOLK			1970	
(28) A D H CRIMSON DUKE															
MARY ANN	544353	12613A361	100.0	30.0	8.0	1800	-	40.0	NONE		LA NEW			1973	
RAMBLER	561281	16713A361	90.0	30.0	8.0	1800	-	40.0	NONE		LA NEW			1974	
SPARTAN	566832	10213A361	70.0	26.0	7.0	1350	-	40.0	NONE		LA NEW			1975	
CBL 309	595588	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 310	595589	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1976	
CBL 311	595590	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 312	595591	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 313	595592	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 314	595593	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 315	595594	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 316	595595	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 317	595596	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 318	595597	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 319	595598	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 320	595599	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 321	595600	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 322	595601	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
CBL 323	595602	70114A41	195.0	35.0	9.0	-	1519	19.2	NONE		LA NEW			1978	
(21) A N R O TOWING, INC.															
CAPT. BILL	595057	5213A361	49.7	22.0	5.0	730	-	34.0	NONE		OH EAST			1978	
CARISSA M.	273731	3213A351	44.0	15.0	5.3	408	-	22.0	NONE		OH EAST			1957	
LADY MARY	636421	7013A361	60.0	22.0	7.0	800	-	38.0	NONE		OH EAST			1981	
MARIE MG	1682169	8713A361	59.8	23.8	7.4	1000	-	30.0	NONE		OH EAST			1985	
RON-CHRIS	263103	1613A351	49.0	20.0	4.5	430	-	26.9	NONE		OH EAST			1952	
STEPHEN W.	270994	4513A361	53.0	20.0	5.0	440	-	28.0	NONE		OH EAST			1956	
WIL-NAR	592154	2413A361	45.0	18.0	4.0	512	-	24.0	NONE		OH EAST			1978	
WILLIAM H	276762	3213A351	53.0	21.0	7.0	450	-	24.0	NONE		OH EAST			1958	
T 6	NOT/DOC	42014A40	175.0	26.0	9.0	-	1022	11.9	NONE		OH EAST			1935	
T 8	NOT/DOC	42014A40	175.0	26.0	1.5	-	1022	11.9	NONE		OH EAST			1972	
T 9	NOT/DOC	42014A40	175.0	26.0	9.0	-	1022	11.9	NONE		OH EAST			1981	
T 10	NOT/DOC	42014A40	175.0	26.0	1.5	-	1022	11.9	NONE		OH EAST			1971	
T 569	NOT/DOC	42014A40	175.0	26.0	9.0	-	1022	11.9	NONE		OH EAST			1981	

TABLE 3 - DESCRIPTION OF OPERATOR			855
OPERATOR NAME	PRINCIPAL COMMODITIES CARRIED	POINTS OF LOCALITIES AND WATERWAYS, BETWEEN WHICH OR ON WHICH OPERATES	
243 RIVERS MARINE	21 LEASE TO OTHERS	ILLINOIS RIVER (DES PLAINES RIVER)	
323 M BOAT RENTAL, INC.	21 OIL AND CHEMICALS	BATON ROUGE, LA AND HOUSTON, TX	
321 A C BARGES, INC.	21 GENERAL CARGO	BAYS AND LAKES OF LOUISIANA	
321 A & D MARINE, INC.	01 TOWING BUTANE, OIL FIELD PLATFORM, GASOLINE, DIESEL, WELDING MACHINE, SCRAP IRON, OATS, SALT AND SUGAR	MISSISSIPPI RIVER, GULF INTRACOASTAL WATERWAY OF LOUISIANA AND TEXAS; OHIO; ALABAMA, FLORIDA; BAYS AND LAKES	
031 A S TRANSPORTATION	21 SLUDGE AND WASTE MATERIAL	NEW YORK HARBOR TO DUMPING GROUNDS	
111 A 1 TOWING	21 TOWING	RIVERS, BAYS ON THE EAST COAST OF UNITED STATES; AND GULF OF MEXICO	
201 A D M	21 GRAIN, GRAIN-BY PRODUCTS, COAL, AND FERTILIZER	MISSISSIPPI RIVER AND GULF INTRACOASTAL WATERWAY OF LOUISIANA AND TEXAS; OHIO; TENNESSEE, ARKANSAS; AND ILLINOIS RIVERS; AND ALL WESTERN RIVERS	
211 A M & O TOWING, INC.	21 TOWING	ALLEGHENY, MONONGAHELA, AND OHIO RIVERS	
321 A M C BOATS, INC.	01 OIL FIELD EQUIPMENT	INTRACOASTAL CITY, LA	
011 A C. CRUISE LINE, INC.	21 PASSENGERS	BOSTON HARBOR TO GLOUCESTER; SMITH COVE	
321 A. C. MARINE	01 VARIOUS OIL FIELD RELATED EQUIPMENT AND SUPPLIES	LAKES, BAYS, AND SOUNDS OF SOUTHERN LOUISIANA	
321 A. M. C. MARINE SERVICES	21 OILFIELD EQUIPMENT	OFFSHORE LOUISIANA	
201 ABEL, FRANK T.	31 TOWING	OHIO RIVER MILE 450.2 AND VICINITY	
321 ACADIAN TOMBOATS, INC.	21 TOWING	PORT OF BATON ROUGE NOT ABOVE MILE 250 AND NOT BELOW MILE 200 ON THE MISSISSIPPI RIVER; PORT ALLEN ROUTE NOT PAST BAYOU SORREL LOCKS	
011 ACADIAN WHALE WATCHER CO.	21 PASSENGERS	ATLANTIC OCEAN	
201 ACCOUNTING & BUSINESS CONSULTING CORP.	31 TOWING	KANAWHA RIVER BETWEEN LONDON AND MARLET LOCKS	
271 ACKMAN, L. V.	21 GRAIN AND BULK COMMODITIES	INLAND WATERWAYS	
321 ACTION MARINE, INC.	21 TOWING SAND AND GRAVEL	BETWEEN CARIBBEAN ISLANDS AND OCCASIONALLY TRIPS TO U. S. GULF	
321 ADAMS TOWING CORP.	21 OILFIELD SUPPLIES, DRILL PIPE	NEW ORLEANS, LA TO PORT O'CONNOR, TX	
321 ADAMS, DONALD & JOHNNY TOWING CO.	21 TOWING	BAYOU, BAYS AND CANALS OF SOUTHEAST LOUISIANA	
411 ADAMS, RICHARD W.	21 TOWING	LOS ANGELES HARBOR	
321 ADMIRAL LEE TOWING, INC.	31 TOWING	GULF OF MEXICO	
321 AEGEAN PRINCESS, INC.	21 PASSENGERS	BETWEEN KEY WEST, FL AND MAINE	
101 AEP OPERATING COMPANY-INDIANA MICHIGAN POWER	31 TOWING	IN & AROUND OHIO RIVER MILE 494	
331 AFRAM CARRIERS, INC.	01 BAGGED FOOD STUFFS, MILITARY CARGO	U. S. GULF PORTS-CORPUS CHRISTI, GALVESTON, BEAUMONT, AND HOUSTON; TX; LAKE CHARLES; NEW ORLEANS, LA; BENSALOLA, FL; ORANGE, TX; PASCAGOULA, MS; BALTIMORE, MD; AND PORT CANAVERAL, FL	
201 AGGREGATE MATERIALS CO.	31 SAND AND GRAVEL	UPPER MISSISSIPPI RIVER MILE 575	
421 AIKANE CATHARANS	21 PASSENGERS	LAKES, BAYS AND SOUNDS SURROUNDING HAWAII ISLANDS; BARRERS POINT, AND 20 MILES OFFSHORE, HAWAIIAN ISLANDS	
301 AK TUG AND BARGE, INC.	21 LOGGING EQUIPMENT, ROAD BUILDING EQUIPMENT, LOGS	SOUTHEAST ALASKA	
331 AKER GULF MARINE FABRICATORS	31 STEEL, PIPE, STEEL PLATE, CRANES, WINCHES, AND EQUIPMENT	INGLESTIDE, TX YARD AND ARANSAS PASS, TX YARD WHICH ARE 3 MILES APART	
331 ALAMO INTERCOASTAL TRANSPORT, INC.	31 SAND AND GRAVEL	ORANGE, TX TO VICTORIA, TX	
381 ALASCO TOWING CO.	31 LOG RAFTS	INSIDE WATERS OF SOUTHEAST ALASKA (IDLE)	
381 ALASKA CATHARANS, INC.	01 PASSENGERS	INSIDE WATERS OF S. E. ALASKA	
381 ALASKA DIVE BOAT	21 PASSENGERS	WATERS SURROUNDING THE HAWAIIAN ISLANDS AND THE REPUBLIC OF PALAU	
361 ALASKA MARINE CHARTER, INC.	21 LEASES TO OTHERS	BUTCH HARBOR, AK TO AKUTAN, KING COVE, SAND POINT & BEAVER INLET, AK; KODIAK, AK TO CORDOVA, AK; ELITAK, AK AND OTHER POINTS ON KODIAK ISLAND AS NEEDED	
381 ALASKA MARINE HIGHWAY SYSTEM	21 PASSENGERS AND VEHICLES	CAPE CHEERFUL, KODIAK, PRINCE WILLIAM SOUND, AND SOUTHWEST AND SOUTHWEST ALASKA TO BELLINGHAM, WA	
361 ALASKA MARINE LINES, INC.	21 CONTAINERIZED FREIGHT (ALL KINDS)	SEATTLE, WA TO SE ALASKA	
381 ALASKA PULP CORP.	31 WOOD CHIPS AND LOGS	WRANGELL TO KETCHIKAN ON PUGET SOUND IN WASHINGTON; FROM VARIOUS SOURCES IN SE ALASKA, SW ALASKA AND CANADA TO WRANGELL OR KETCHIKAN	

Service Codes:  
 1 - Regulated by Interstate Commerce Commission, 2 - Except For Hire, 3 - Private, 9 - Unknown

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# PWD

PURPOSE FOR WHICH USED

LOCATION	A			B			C						NORTH BRANCH, CHICAGO RIVER									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
P.W.D. REFERENCE NUMBER																						
Cargo handling:																						
Aggregate . . . . .																						
Cement . . . . .																						
Salt . . . . .																						
Sand/stone . . . . .																						
Scrap metal . . . . .																						
Handling construction materials & equipment																						
Landing for charter passenger vessels . . . . .																						
Landing for commuter vessels . . . . .																						
Landing for excursion vessels/sightseeing boats . . . . .																						
Marine repair . . . . .																						
Mooring:																						
City-owned equipment . . . . .																						
Company-owned equipment . . . . .																						
Government-owned equipment . . . . .																						
Excursion vessels . . . . .																						
Fireboat (city) . . . . .																						
Miscellaneous . . . . .																						
Police boats . . . . .																						
Not used for waterborne commerce . . . . .																						
Not operated or used . . . . .																						

A - OUTER BASIN, CHICAGO HARBOR      B - CHICAGO RIVER ENTRANCE CHANNEL      C - MAIN BRANCH, CHICAGO RIVER

OIL HANDLING AND BUNKERING							
P.W/D REF. NO.	WWY	MILE/BANK	OPERATOR AND/OR USER	BERTHING SPACE (FEET)	DEPTH ALONGSIDE AT MLW (FEET)	STORAGE TANKS	
						NO.	Capacity (Barrels)
44	D	320.2 S	Ameropan Oil Corp.	1,500	12	3	64,400
50	D	318.8 S	do.	295	9	19	457,000(A)
65	D	314.2 N	Amoco Oil Co.	555	12-14	3	165,000
48	D	319.5 N	Apex Motor Fuel Co., Division of Torco Holdings, Inc.	193	10	1	55,000(A)
59	D	315.9 S	Chemical Petroleum Exchange, Inc.	300	10-12	11	487,800(M)
53	D	317.4 N	Citgo Petroleum Corp.	300	10	6	226,100
185	I	316.8 N	Clark Refining and Marketing, Inc.	376	9-13	7	350,000(A)
72	D	311.1 S	GATX Terminals Corp.	300	12-14	25	250,000
73	D	311.0 S	do.	300	12-14	22	1,097,000
57	D	316.8 N	Koppers Industries, Inc.	920	11-15	3	320,700(C)
104	D	297.7 E	Korall Corp.	250	18	3	167,000(A)
54	D	317.1 S	Marine Oil Terminal, Division of Koch Fuels, Inc.	870	12-14	1	100,000(A)
186	I	316.5 N	Marin Oil Marketing Ltd.	350	9-13	13	414,000(A)
63(X)	D	314.6 S	Metropolitan Water Reclamation District of Greater Chicago.	330	10-12	19	735,000
91(X)	D	300.2 S	do.	2,654	23-26	8	512,300
						24	576,900

PIERS, WHARVES, AND DOCKS

CORPS OF ENGRS WATERWAY CODE	77647		77647	
LATITUDE	41-53-35N	87-36-22W	41-53-29N	87-36-19W
LONGITUDE				
REFERENCE NUMBER ON MAP NO. 1	1	Dock Code No. 001	2	Dock Code No. 055
NAME	City of Chicago, Jardine Water Purification Plant Mooring.		Metropolitan Pier and Exposition Authority of Chicago, Navy Pier.	
LOCATION ON WATERFRONT	West side, Outer Basin, Chicago Harbor, approximately 0.3 mile north of Chicago Lock, Chicago.  1000 East Ohio Street		West side, Outer Basin, Chicago Harbor, approximately 850 feet north of Chicago Lock, at foot of East Grand Avenue, Chicago.  600 East Grand Avenue	
OWNED BY	City of Chicago.		Metropolitan Pier and Exposition Authority of Chicago.	
OPERATED BY	City of Chicago, Water Department.		Metropolitan Pier and Exposition Authority of Chicago.	
PURPOSE FOR WHICH USED	Mooring fireboat and city-owned equipment.		Landing and mooring for harbor excursion and sightseeing boats, and transient mooring for miscellaneous vessels.	
TYPE OF CONSTRUCTION	Concrete bulkhead with concrete-surfaced solid fill; fronted by timber fenders.		Steel pile, concrete-decked wharves extending from inner portions of both sides of pier, with 1,250-foot, center section of south wharf supported by concrete piles, all fronting timber bulkhead with timber-pile-supported, concrete cap and concrete-surfaced solid fill forming remainder of pier; sides fronted by rubber fenders.	
DESCRIPTION	Face		Face	North side South side
Dimensions (Feet)	2,040		65+292+120	2,420+90+550 2,342+105+553
Depth Alongside at LWD Do.	14-20		9-10	14-20 26
Breasting Distance Do.	2,040		-	2,420 2,342
Total Berthing Space Do.	2,040		-	2,420 2,342
Width of Apron Do.	Open.			Open.
Height of Deck at LWD Do.	5		8	
Load Capacity (Lbs. per Sq. Ft.)	-		-	
Lighted or Unlighted	Lighted.		Lighted.	
MECHANICAL HANDLING FACILITIES	None.		None.	
RAILWAY CONNECTIONS	None.		None.	
HIGHWAY CONNECTIONS	Via foot of East Ohio Street, from North Streeter Drive, each asphalt, 60 feet wide, and East Illinois Street, asphalt, 40 feet wide.		Via North Streeter Drive, asphalt, 60 feet wide, from foot of East Illinois Street, asphalt, 40 feet wide.	
WATER SUPPLY (For Vessels)	Through 3/4-inch line.		Through 2- and 2 1/2-inch lines.	
ELECTRIC CURRENT (For Vessels)	A.C., 110/220 volts.		A.C., 110/220 volts on south side.	
FIRE PROTECTION (Other than City)	Fireboat, and hydrants, hose, and hand extinguishers in plant at rear.		Hydrants, hose, and hand extinguishers.	
REMARKS	Fireboat is berthed at center of wharf most of the year; in the winter months, it berths at the Wacker Drive Wharf (Ref. No. 12). James W. Jardine Water Purification Plant is located at rear.		At time of survey (1994), Odyssey Cruises operated the <i>Odyssey II</i> , Spirit Cruises, Inc. operated the <i>Spirit of Chicago</i> , and Tee Dee Enterprises, Inc. moored <i>The Anita Dee</i> and operated <i>The Anita Dee II</i> from the wharf along the south side of the pier. The bulkheads forming the pier extend across the inner ends of the slips north and south of the pier, providing 340 and 490 feet of transient berthing space in 14 and 18 to 20 feet of water depth, respectively. Buildings on the pier are used for exhibits, convention facilities, and trade fairs.	

MARINE REPAIR PLANTS AND DRYDOCKING EQUIPMENT

REF. NO. OF NEAREST PIER OR WHARF	16	28 & 29
OPERATOR AND ADDRESS	AAA Boatyard, Inc. 1111 North Elston Avenue Chicago, IL 60622	Henry C. Grebe & Co., Inc. 3250 N. Washlennaw Avenue Chicago, IL 60618
LOCATION OF PLANT	Mile 327.2, west side, North Branch, Chicago River, south of West Division Street Bridge, Chicago.	Mile 331.0, west side, North Branch, Chicago River, approximately 900 feet northwest of W. Belmont Avenue Bridge, Chicago.
REPAIR SHOPS AND EQUIPMENT	Hull repair shop; one 17½-ton, stiff-leg derrick.	Machine, welding, steel fabrication, paint, carpenter, and joiner shops; gas, arc, and heliarc welding; air compressors; one 75-ton, marine railway; one 50-, and one 12-ton, stiff-leg derricks.
NATURE OF WORK UNDERTAKEN	Above- and below-waterline repairs to steel, wooden, fiberglass and aluminum hulls up to capacity of derrick; painting; engine repairs.	Above- and below-waterline repairs to steel, wooden, fiberglass, and aluminum hulls up to 80 feet in length; engine repairs, including overhauling and rebuilding; conversion and outfitting of small vessels.
LARGEST SHAFTS PRODUCED	None.	None.
VESSEL CAPACITY AT PLANT	-	One on marine railway, 275 in yard and 25 at berth.
DRYDOCKING EQUIPMENT	None.	MARINE RAILWAY
Type of Construction		Crandall.
Dimensions (Feet):		80
Length of cradle.....		60
Clear width of blocks.....		18 (22 feet maximum).
Depth over blocks at top of keel blocks.....		7
Forward.....		7
Aft.....		
Hauling capacity (tons)		75
Largest vessel handled (feet)		80-foot length by 20-foot beam by 7-foot draft.
Date built/rebuilt		1926
Utilities available	Water and A.C., 110/220 volts.	A.C., 110/220 volts, compressed air and water.
REMARKS	Welding and diesel engine repair work is subcontracted. Yard has 2 acres for storing lifted-out, small vessels.	Transfer tracks extend from railway to storage tracks in yard and to 10 sheds at rear of wharves.

SUMMARY OF DRY BULK HANDLING  
(OTHER THAN COAL)

P.W.D. REF. NO.	WWY	MILE/BANK	OPERATOR	BERTHING SPACE (FEET)	DEPTH ALONGSIDE (FEET)	HANDLING EQUIPMENT TYPE/RATE (TONS/HOUR)	PRODUCTS	STORAGE CAPACITY
160	R	330.1 E	Acme Steel Co., Inc.	1,187	22-29	Two traveling, bridge cranes with buckets, one 20-ton (1,500), one 12-ton (350).	Iron ore pellets, scrap iron, and limestone.	900,000 tons.
161	R	330.3 E	do.	801	22-29	Self-unloading vessels.	Iron ore pellets, scrap iron, and limestone.	325,000 tons.
22	N	326.8 E	Alzo Nobel Salt, Inc.	518	16-21	Crane with 7½-ton bucket (300).	Salt.	8,000 tons (building); 7,000 tons.
124	R	332.0 W	Argus Marine Corp.	330	15-16	Two cranes with 7, and 2½-cy buckets (250, salt), and one 1½-cy backhoe.	Salt. Sand and misc.	60,000 tons. 240,000 tons.
156	R	328.3 E	Arrow Terminal Co. (P)	410	16	Pedestal crane with 4-cy bucket (120).	Alloys, pig iron, fertilizer, salt, and misc.	235,600 sq ft (buildings); 2.4 acres.
20	N	327.1 E	Barge Terminal Trucking, Inc.	462	17-21	Crane with 4-cy bucket (175).	Salt.	50,000 tons.
40	S	321.3 S	do.	730	6-9	Crane with 3-cy bucket (150).	Salt.	7 acres.
41	D	321.0 S	do.	441	10-15	Crane with 3-cy bucket (150).	Salt.	7 acres.
132	R	330.9 W	Beemsterboer Slag and Ballast Corp. (P)	1,020 240 730	21 21 15-23	Three cranes with 5- to 6½-cy buckets (185, each), and one ship, and one barge-loading conveyors (500 & 185).	Bauxite and misc.	30 acres.
166	R	331.3 E	Bell S. H., Co. (P)	500	12	{ { {	{ { {	22,800 tons (covered); 89,000 sq ft (building); 6 acres.
167	R	331.4 E	do.	535	16	{ { {	{ { {	8,100 sq ft (building); 3 acres.
169	R	331.4 E	do.	640	17	{ { {	{ { {	34,650 sq ft (building); 3 acres.

(See footnotes at end of tabulation.)

SUMMARY OF LIQUID BULK HANDLING  
(OTHER THAN PETROLEUM)

P.W.D. REF. NO.	WWY	MILE/BANK	OPERATOR	BERTHING SPACE (FEET)	DEPTH ALONGSIDE (FEET)	PRODUCTS	STORAGE TANKS	
							NO.	CAPACITY (GALLONS)
65	D	314.2 N	Amoco Oil Co.	555	12-14	Petrochemicals.	11	20,487,600 (M)
74	D	310.6 S	Argo Terminal Co., Subsidiary of Great Lakes Terminal & Transport Corp.	930	12	Solvents.	18	10,920,000
185	I	316.8 N	BTL, Inc.	376	9-13	Acetone.	2	711,000
154	R	327.5 E	Crompton & Knowles Corp., Ingredient Technology Division	275	9-13	Molasses.	2	789,000
180(X)	H	324.9 S	Fina Oil and Chemical Co.	320	8-12	Styrene monomer.	3	2,200,000
187	I	315.8 N	First Brands Corp.	220	12	Ethylene glycol.	1	1,895,500
71	D	311.2 S	GATX Terminals Corp. (P)	250	10-13	Chemicals. }		
72	D	311.1 S	do. (P)	300	12-14	Chemicals. }	79	31,668,000
73	D	311.0 S	do. (P)	300	12-14	Chemicals and tallow. }		
85(X)	D	301.1 N	Heritage Environmental Services, Inc.	600	33	Waste liquids.	20	378,000
88	D	301.0 N	INTAC Automotive Products, Inc.	635	25	Ethylene glycol.	3	1,950,000
57	D	316.8 N	Koppers Industries, Inc.	920	11-15	Orthoxylene.	1	825,000
66	D	314.1 N	Lake River Corp., Terminals Division Subsidiary of Kinark Corp. (P)	760	11	Chemicals and vegetable oils. Causitic soda. Unused. Herbicides.	179	43,000,000 420,000 420,000 (X) 30,000 (X)
153(X)	R	327.3 E	Marsulex, Inc.	150	22	Sulfuric acid.	1	2,000,000
19(X)	N	327.5 E	National By-Products, Inc.	500	13-16	Tallow.	6	707,000
55	D	317.0 S	Olympic Oil Ltd., Inc.	427	11	Ethylene glycol. Antifreeze solution.	2 1	720,000 120,000 (X)

(See footnotes at end of tabulation.)

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# Dredging Information System

**Example**

**Dredging Information System**

US ARMY CORPS OF ENGINEERS  
FY 95 CONTRACT DREDGING PROGRAM

Advertising Schedule FY 95

Date: 06/08/95

SEQ	J S	ADVER DATE	BID OPEN	QUANTITY CUBIC YDS	W C	D T	M U	D S	S \$	A	Job Name
LMK District VICKSBURG											
4	**A	02/01/95	02/28/95	2,000,000	M	P	H	O	D	N	WEST PEARL RIVER
1	**A	02/15/95	03/15/95	3,000,000	M	P	H	O	D	N	RED RIVER AND LOWER BLACK
2	**A	02/17/95	03/17/95	1,000,000	M	P	H	O	D	N	OUACHITA R. ABOVE JONESVILLE
5	A	06/23/95	07/24/95	2,166,000	N	u	Y	C	E	N	YAZOO RIVER, ITEM 3A-2
3	A			1,700,000	M	P	H	O	D	Y	MISS RIVER HARBORS (8A)
LMK Totals: 5 Contracts				9,866,000	CYS						
LMM District MEMPHIS											
2	A	04/04/95	05/05/95	2,054,250	M	P	H	O	D	N	White River Dredging
1	A	04/04/95	05/12/95	2,387,000	M	P	H	O	D	N	Miss. R. & Harbors
LMM Totals: 2 Contracts				4,441,250	CYS						
LMN District NEW ORLEANS											
5	**A	12/13/94	01/18/95	717,762	M	P	H	O	C	N	MISS RIV NEW ORL HARBOR 1-95
65	**A	12/21/94	01/20/95	386,000	M	P	H	O	C	N	BERWICK BAY LSD CUTTER 1-95
250	**A	01/06/95	02/07/95	90,000	N	P	Y	B	B	N	PASS MANCHAC - NORTH PASS
61	**A	01/18/95	02/08/95	1,400,000	M	P	H	O	D	N	ATCH RIV GRAND/SIXMILE LAKE
60	**A	01/17/95	02/16/95	2,000,000	M	P	H	M	D	N	ATCH RIV BAY @ BAR LSD CUTT
180	**A	02/03/95	02/23/95	900,000	M	P	Y	O	D	N	HOUMA NAV CANAL MI 0-3.0
225	**A	01/19/95	03/02/95	750,000	M	P	H	O	C	N	ATCH RIV HORSESHOE LSD CUT-1
30	**OA	11/14/94	03/14/95	4,080,000	M	H	H	O	D	N	MISS RIV SWP LSD HOPPER 1-95
155	**A	02/13/95	03/14/95	3,500,000	M	P	Y	W	D	N	MRGO MI 18.0 TO 13.9
150	**A	12/22/94	03/15/95	300,000	M	P	Y	W	C	N	OUTLETS @ VEN BAP COLLETE #1
260	**A	03/20/95	03/27/95	3,500,000	M	P	H	O	D	N	ATCH RIVER BAR CHANNEL
125	**A	03/07/95	04/06/95	7,000,000	M	H	H	O	D	N	CALC RIV BAR CHANNEL LSD HOP
40	**OA	11/18/94	05/16/95	2,300,000	M	H	H	O	D	N	MISS RIV SWP LSD HOPPER 3-95
45	**OA	11/23/94	05/23/95	2,300,000	M	H	H	O	D	N	MISS RIV SWP LSD HOPPER 4-95
20	**OA	12/30/94	05/23/95	3,000,000	M	P	Y	W	D	N	MISS RIV SWP CUTTERHEAD 1-95
116	A	03/29/95	06/07/95	9,000,000	M	P	Y	M	D	N	ATCH RIVER BAR CY CUTTERHEAD
70	A	01/13/95	06/13/95	2,000,000	M	P	H	O	D	N	BERWICK BAY LSD CUTTER 2-95
145	A	05/10/95	06/15/95	350,000	M	P	Y	C	C	N	GIWW BELOW BAYOU SORREL
165	A	05/03/95	06/20/95	700,000	M	P	H	O	C	N	3 RIV ORL FBAY PAL FBAY BR H
181	A	06/23/95	07/25/95	300,000	M	P	Y	W	C	N	HOUMA NAV. CANAL MI 36.4-4.1
255	A	07/06/95	08/05/95	10,000,000	M	D	H	O	C	N	MISS RIV CROSS WALLACE MCGRG
230	A	07/14/95	08/15/95	2,000,000	M	X	Y	W	D	N	MRGO, MICHOU CANAL
185	A	07/12/95	08/16/95	1,570,182	M	H	H	O	D	N	MRGO BAR CHANNEL LSD HOPPER
171	A	08/25/95	09/26/95	350,000	M	P	Y	W	D	N	BARATARIA WW BAR CHANNEL
265	A	09/01/95	10/03/95	20,000	M	P	Y	S	A	N	BY TECHE E&W CALUMET FLDGATE
245	A	12/01/95	01/01/96	2,500,000	M	P	Y	W	D	N	WEST BELLE PASS
170	A	12/15/95	01/16/96	1,800,000	M	P	Y	W	D	N	BARATARIA BAY MI 0-16 AND Y
210	A	01/01/96	02/01/96	2,300,000	M	P	Y	C	D	N	GIWW MAIN STEM CUTTERHEAD
35	OA	11/17/94		6,800,000	M	H	H	O	D	N	MISS RIV SWP LSD HOPPER 2-95

**Example**

**Dredging Information System**

Advertising Schedule FY 95

Date: 06/08/95

**LEGEND for Advertising Schedule**

**JOB STATUS (JS)**

A Active-fully expect to award  
C Completed  
CC Claim on Payment Pending  
H Hold-Miscellaneous Reason  
HB Hold-Protest on Bid  
HF Hold-Awaiting Funding  
HP Hold-Awaiting Permit(s)  
M Moved to Another FY  
OA Open by Amendment  
P Proposed- >80% chance to award  
u undefined  
W Withdrawn

**WORK CLASS (WC)**

M Maintenance  
N New Work  
B Both M&N

**DREDGE TYPE (DT)**

B Bucket  
D Dustpan  
H Hopper  
N Nonconventional type  
P Pipeline  
S Sidcaster  
W All Types  
X Pipeline & Bucket  
Y Pipeline & Hopper  
Z Hopper & Bucket

**MATERIAL UNITS (MU)**

Y Cubic Yards  
D Days  
H Hours  
L Lump Sum  
O Other (Station etc.)

**DISPOSAL TYPE (DS)**

B Beach Nourishment  
C Confined  
M Mixed  
O Overboard & Open Water  
S Open & Upland  
T Beach Nour & Upland  
U Upland  
W Wetland Nour or Creation  
x undefined

**SMALL BUSINESS**

**SET ASIDE (SA)**  
Y Yes  
N No

**DOLLAR RANGE (\$)**

A Up to \$99,999  
B \$100,000 - \$499,999  
C \$500,000 - \$999,999  
D \$1,000,000 - \$4,999,999  
E \$5,000,000 and above

**Example**

**Dredging Information System**

US ARMY CORPS OF ENGINEERS  
FY 95 Contract Dredging Program

Dredging Contracts Awarded to Date FY 95

Date: 06/08/95

1

DST SEQ	Job Name	D T	ADVER DATE	BID DATE	QUANTITY CUBIC YDS	GOVT EST.	WINNING BID	WINNING BIDDER	S # B BDS
LMK 4	WEST PEARL RIVER	P	02/01/95	02/28/95	2,000,000	1,116,182	2,584,500	MID-SOUTH DREDGING CO.	E 2
LMK 1	RED RIVER AND LOWER BLACK	P	02/15/95	03/15/95	3,000,000	3,331,543	4,373,000	T.L. JAMES & CO., INC.	L 2
LMK District VICKSBURG Totals:		2			5,000,000	\$4,447,725	\$6,957,500		
LMN 5	MISS RIV NEW ORL HARBOR 1-95	P	12/13/94	01/18/95	717,762	716,678	717,965	T.L. JAMES & CO., INC.	L 3
LMN 65	BERWICK BAY LSD CUTTER 1-95	P	12/21/94	01/20/95	386,000	658,700	673,200	T.L. JAMES & CO., INC.	L 3
LMN 250	PASS MANCHAC - NORTH PASS	P	01/06/95	02/07/95	90,000	382,000	338,200	RIVER ROAD CONSTRUCTION INC	L 5
LMN 61	ATCH RIV GRAND/SIXMILE LAKE	P	01/18/95	02/08/95	1,400,000	2,015,560	1,921,100	MIKE HOOKS INC.	L 1
LMN 180	HOUMA NAV CANAL MI 0-3.0	P	02/03/95	02/23/95	900,000	1,644,000	1,568,000	GREAT LAKES DREDGE & DOCK CO.	L 2
LMN 225	ATCH RIV HORSESHOE LSD CUT-1	P	01/19/95	03/02/95	750,000	1,854,092	1,875,025	T.L. JAMES & CO., INC.	L 2
LMN 30	MISS RIV SWP LSD HOPPER 1-95	H	11/14/94	03/14/95	4,080,000	4,629,360	5,333,295	GREAT LAKES/GULF COAST JV	L 2
LMN 155	MRGO MI 18.0 TO 13.9	P	02/13/95	03/14/95	3,500,000	1,432,000	1,568,000	GREAT LAKES DREDGE & DOCK CO.	L 4
LMN 150	OUTLETS @ VEN BAP COLLETEE #1	P	12/22/94	03/15/95	300,000	890,000	918,000	BEAN DREDGING CORP.	L 3
LMN 260	ATCH RIVER BAR CHANNEL	P	03/20/95	03/27/95	3,500,000	1,299,860	1,148,000	T.L. JAMES & CO., INC.	L 1
LMN 125	CALC RIV BAR CHANNEL LSD HOP	H	03/07/95	04/06/95	7,000,000	2,428,625	2,572,044	GULF COAST TRAILING CO.	L 2
LMN 40	MISS RIV SWP LSD HOPPER 3-95	H	11/18/94	05/16/95	2,300,000	2,682,650	3,190,600	NATCO LIMITED PARTNERSHIP	L 1
LMN 45	MISS RIV SWP LSD HOPPER 4-95	H	11/23/94	05/23/95	2,300,000	2,682,598	3,921,190	NATCO LIMITED PARTNERSHIP	L 1
LMN 20	MISS RIV SWP CUTTERHEAD 1-95	P	12/30/94	05/23/95	3,000,000	3,862,950	3,781,750	T.L. JAMES & CO., INC.	L 2
LMN 50	MISS RIV SWP LSD HOPPER 5-95	H	11/23/94		2,300,000	1,559,150	1,870,180	BEAN DREDGING CORP.	L 1
LMN District NEW ORLEANS Totals:		15			32,523,762	\$28,738,223	\$31,396,549		
NAB 1	POCOMOKE RIV, SOMERSET CO,MD	P	08/19/94	09/20/94	139,500	753,750	607,500	MARYLAND ENGINEERING & DRDGING	E 5
NAB 2	RHODES PT. TO TYLERTON, MD	P	10/10/94	11/10/94	42,000	688,283	822,000	COTTRELL ENGINEERING CORP.	E 1
NAB 9	BALT. HARB. CAPE HENRY, VA	H	12/12/94	01/11/95	500,000	1,745,855	1,575,000	NO. AMERICAN TRAILING CO.	L 3
NAB 3	OCEAN CITY, WORCESTER CO, MD	P	12/26/94	01/31/95	78,409	639,704	474,272	COTTRELL ENGINEERING CORP.	E 2
NAB 5	ISLAND CK, ST.GEORGE IS, MD.	P	01/19/95	02/28/95	11,430	209,980	104,707	COTTRELL ENGINEERING CORP.	E 5
NAB District BALTIMORE Totals:		5			771,339	\$4,037,573	\$3,583,479		
NAN 2	Lake Montauk Harbor, NY	p	09/30/94	11/10/94	50,000	466,331	560,400	GIBSON & CUSHMAN DREDGING CO.	S 2
NAN 3	BROWNS CREEK	P	11/15/94	12/19/94	14,013	321,812	136,288	GIBSON & CUSHMAN DREDGING CO.	S 5
NAN District NEW YORK Totals:		2			64,013	\$788,143	\$696,688		

Date: 06/08/95

2

DST SEQ	Job Name	D T	ADVER DATE	BID DATE	QUANTITY CUBIC YDS	GOVT EST.	WINNING BID	WINNING BIDDER	S # B BDS
NAO 3	AIW - LOWER NORTHLANDING RIV	P	09/16/94	10/18/94	150,000	1,064,000	524,000	COTTRELL ENGINEERING CORP.	E 5
NAO 13	JAMES RIVER - TURKEY ISLAND	P	10/14/94	10/21/94	33,000	0	331,650	COTTRELL ENGINEERING CORP.	E 1
NAO 14	JAMES RIVER - DANCING/SWAN	P	11/09/94	11/16/94	306,500	796,300	572,460	NORFOLK DREDGING COMPANY	L 4
NAO 11	BALTIMORE HBR CAPE HENRY	H	12/12/94	01/11/95	300,000	1,745,855	1,575,000	NATCO LIMITED PARTNERSHIP	L 3
NAO 4	GREENVALE CREEK	P	12/05/94	01/18/95	11,000	312,347	95,663	M.C.M. MARINE INC.	E 6
NAO 6	QUINBY CREEK	P	01/03/94	02/02/95	57,000	363,256	221,480	COTTRELL ENGINEERING CORP.	E 2
NAO 7	WCV - ACCOMACK COUNTY	P	01/09/94	02/08/95	185,000	672,061	500,000	WOODINGTON CORP	S 2
NAO 8	RUDEE INLET	P	02/02/95	02/23/95	110,000	695,619	638,000	COTTRELL ENGINEERING CORP.	E 2
NAO 5	CHINCOTEAGUE IN. OCEAN BAR	H	01/26/95	02/28/95	110,000	622,023	716,400	GULF COAST TRAILING CO.	L 2
NAO District NORFOLK Totals:		9			1,262,500	\$6,271,461	\$5,174,653		
NAP 9	OCEAN CITY/PECK BEACH	P	08/12/94	09/13/94	400,000	2,399,000	2,425,000	GREAT LAKES DREDGE & DOCK CO.	L 2
NAP 8	CAPE MAY BEACHFILL	P	08/19/94	09/22/94	300,000	2,338,458	2,438,995	GREAT LAKES DREDGE & DOCK CO.	L 2
NAP 6	NIJWW/CAPE MAY HBR	P	12/16/94	01/18/95	350,000	1,574,886	1,478,600	BARNEGAT BAY DREDGING COMPANY	E 1
NAP 1	DEL RIV, PHILA-SEA	W	01/20/95	02/22/95	2,830,000	5,863,601	4,330,900	WEEKS MARINE/AMERICAN DRDG JV	L 3
NAP 10	SALEM RIVER, NJ	P	01/27/95	04/05/95	800,000	4,824,451	5,181,613	WEEKS MARINE/AMERICAN DRDG JV	L 3
NAP District PHILADELPHIA Totals:		5			4,680,000	\$17,000,397	\$15,855,108		
NCB 2	CLEVELAND	b	01/05/95	02/03/95	275,000	1,411,130	1,467,500	GREAT LAKES DOCK AND DREDGE	S 3
NCB 7	ROCHESTER	b	01/18/95	02/22/95	225,000	685,250	725,000	LUEDTKE ENGINEERING CO.	S 4
NCB 9	TOLEDO OPEN	H	01/19/95	02/22/95	200,000	466,000	520,000	B&B DREDGING CORPORATION	S 4
NCB 8	SANDUSKY	p	02/01/95	03/07/95	300,000	1,932,000	986,000	KING COMPANY, INC.	E 4
NCB 10	TOLEDO CONFINED	h	02/15/95	03/21/95	600,000	1,711,000	1,560,000	B&B CONTRACTING	S 2
NCB 5	LORAIN 8a	B	03/21/95	04/20/95	90,000	612,575	612,575	LAKE MICHIGAN CONTRACTORS, INC	E 1

**Example**

**Dredging Information System**

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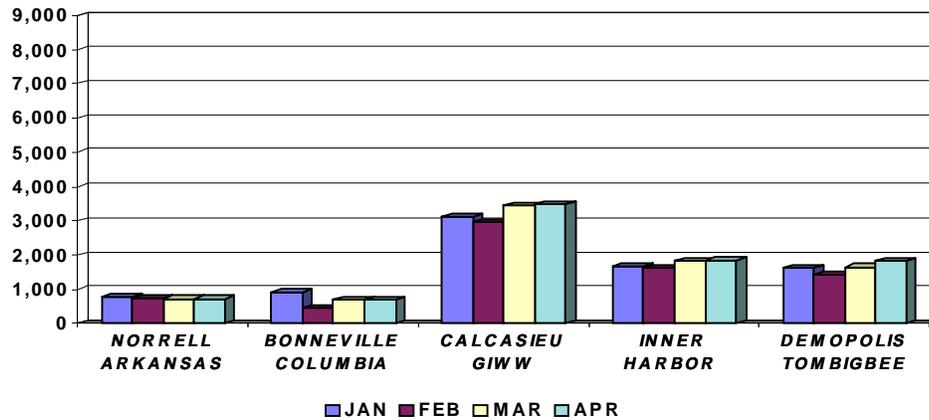
NCB 6 ROCKY RIVER 8a	B 03/21/95 04/20/95	20,000	224,799	224,799	LAKE MICHIGAN CONTRACTORS, INC E	1
NCB District BUFFALO	Totals: 7	1,710,000	\$7,042,754	\$6,095,874		

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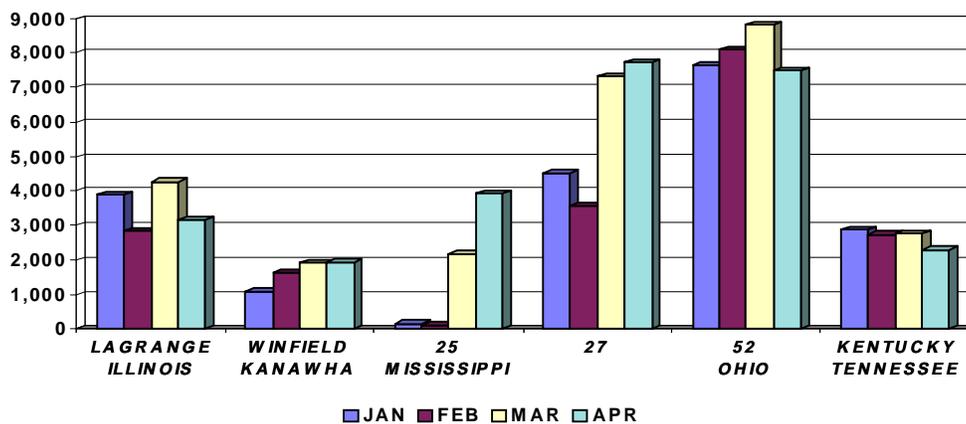
# LPMS

# Key Lock Report

## Monthly Tonnage for 1996



River	Lock	JAN	FEB	MAR	APR
ARKANSAS	NORRELL	771.2	748.6	710.1	712.2
COLUMBIA	BONNEVILLE	924.2	457.8	693.3	706.2
GIWW	CALCASIEU	3,126.4	2,968.1	3,453.3	3,478.3
	INNER HARBOR	1,665.9	1,630.5	1,827.9	1,851.3
TOMBIGBEE	DEMOPOLIS	1,618.7	1,430.8	1,645.3	1,835.3



River	Lock	JAN	FEB	MAR	APR
ILLINOIS	LAGRANGE	3,885.6	2,855.3	4,275.8	3,172.7
KANAWHA	WINFIELD	1,088.4	1,642.6	1,921.3	1,936.2
MISSISSIPPI	25	156.3	120.9	2,180.2	3,950.6
	27	4,519.0	3,562.0	7,321.8	7,737.0
OHIO	52	7,656.7	8,097.1	8,819.8	7,492.6
TENNESSEE	KENTUCKY	2,874.1	2,740.9	2,754.7	2,300.2

**K E Y L O C K R E P O R T** Page: 10

RIVER: MISSISSIPPI DIVISION: LMVD DATA MO/YR : NOV 1995  
 LOCK : 27 DISTRICT: LMS REPORT DATE: 12/22/95

COMMOD(Ktons)	Up(MO)	Dn(MO)	Tot(MO)	MO/DF/PY	Up(YTD)	Dn(YTD)	Tot(YTD)	YTD/DF/PY	
10 COAL	272.3	117.2	389.6	-180.7	5699.6	873.1	6572.7	-1589.3	
20 PETROLEUM	161.0	380.1	541.1	+158.6	1710.8	2586.1	4296.9	-440.4	
30 CHEMICALS	537.4	128.7	666.1	-114.8	6654.0	1455.6	8109.7	-902.0	
40 CRUDE MAT	369.3	126.5	495.7	+69.3	3683.2	933.3	4616.4	-260.7	
50 PROCD MAT	198.4	202.8	401.1	-33.1	2978.5	1346.8	4325.3	-590.1	
60 FARM PROD	25.6	6247.4	6273.0	+1997.4	385.6	44009.9	44395.5	+9743.4	
70 MFRD EQUI	5.0	.3	5.3	-3.1	62.5	69.8	132.3	+74.8	
80 WASTE MAT	.0	.0	.0	+0	9.0	1.4	10.4	+8.8	
99 UNKNOWN	37.3	42.4	79.8	+39.9	505.5	327.1	832.6	+622.8	
-----									
Total Ktons	1606.3	7245.4	8851.7	+1933.5	21688.7	51603.1	73291.8	+6667.3	
EMPTY BRGS	2902	310	3212	+1257	22906	2513	25419	+7543	
LOADED BRGS	994	4672	5666	+1239	13707	33287	46994	+4181	
-----									
Tot Number	3896	4982	8878	+2496	36613	35800	72413	+11724	
								% MO/DF(Ktns) =	+27.9
								% YTD/DF(Ktns) =	+10.0

**K E Y L O C K R E P O R T** Page: 12

RIVER: OHIO DIVISION: ORD DATA MO/YR : NOV 1995  
 LOCK : 52 DISTRICT: ORL REPORT DATE: 12/22/95

COMMOD(Ktons)	Up(MO)	Dn(MO)	Tot(MO)	MO/DF/PY	Up(YTD)	Dn(YTD)	Tot(YTD)	YTD/DF/PY	
10 COAL	1379.7	1554.5	2934.1	-297.5	13629.5	19265.8	32895.2	-5355.1	
20 PETROLEUM	469.0	47.1	516.1	+176.0	4362.7	913.1	5275.8	+778.9	
30 CHEMICALS	600.5	101.1	701.6	+115.8	6976.5	1135.9	8112.3	+209.1	
40 CRUDE MAT	704.5	1142.7	1847.2	+86.6	7206.9	11101.2	18308.1	+424.7	
50 PROCD MAT	355.7	128.8	484.5	-16.8	4265.5	1332.5	5598.0	+190.3	
60 FARM PROD	225.9	700.9	926.8	-452.8	2231.0	8452.0	10683.0	+90.1	
70 MFRD EQUI	19.9	71.2	91.1	+87.3	447.4	505.1	952.5	+753.7	
80 WASTE MAT	.0	.0	.0	+0	.0	.0	.0	+0	
99 UNKNOWN	78.3	85.0	163.2	+92.3	818.3	681.8	1500.1	+971.2	
-----									
Total Ktons	3833.5	3831.3	7664.6	-209.1	39937.8	43387.4	83325.0	-1937.1	
EMPTY BRGS	1609	1290	2899	+631	16063	13481	29544	-727	
LOADED BRGS	2424	2531	4955	-252	25395	29044	54439	-1568	
-----									
Tot Number	4033	3821	7854	+379	41458	42525	83983	-2295	
								% MO/DF(Ktns) =	-2.7
								% YTD/DF(Ktns) =	-2.3

**LPMS Summary by River Basin**  
**January - March 1996**

<u>River/ Lock Chamber</u>	<u>River Mile</u>	<u>Vessels Total</u>	<u>Tonnage ktons</u>	<u>Lockages Total</u>	<u>Hardware Ops.<sup>1</sup> Total</u>	<u>Percent —Delayed— Vessel</u>	<u>Percent —Delayed— Tows</u>	<u>Average Delay<sup>2</sup> —Delayed— Vessels</u>	<u>Average Delay<sup>2</sup> —Delayed— Tows</u>	<u>Lock Closures Avg Time<sup>2</sup></u>	<u>Freq. Total</u>
<b>Alabama</b>											
Claiborne Main	117.5	74	109	66	66	0	0	0.00	0.00	0.00	0
<b>Albemarle &amp; Chesapeake Canal</b>											
Great Bridge Main	11.5	705	173	608	869	86	100	0.06	0.05	0.00	0
<b>Allegheny</b>											
2 Main	6.7	416	497	401	985	19	18	0.65	0.71	53.00	1
3 Main	14.5	336	518	331	897	16	16	1.02	0.85	8.90	3
4 Main	24.2	122	105	122	253	11	12	1.00	1.12	22.42	8
5 Main	30.4	46	32	46	89	7	9	0.49	0.49	73.38	2
*6 Main	36.3	33	28	33	72	6	7	0.17	0.17	0.00	0
*7 Main	45.7	24	21	23	52	4	6	2.00	2.00	0.00	0
*8 Main	52.6	0	0	0	0	0	0	0.00	0.00	719.97	2
*9 Main	62.2	0	0	0	0	0	0	0.00	0.00	719.97	2
<b>Apalachicola</b>											
Jim Woodruff Main	106.3	218	135	196	269	3	4	0.49	0.49	0.92	1

\* Lock data not available for all months

## LPMS Summary by Division/District

January - March 1995 and 1996

Berwick Atchafalaya	Main River Mile: 1.5				Lower Miss Valley Divisor New Orleans District				
Jan - Mar	Vessels				Barges			Bottoms	Tonnage
1995	<u>Total</u>	<u>Rec.</u>	<u>Tows</u>	<u>Other</u>	<u>Total</u>	<u>Loaded</u>	<u>Empty</u>	<u>Total</u>	<u>ktons</u>
Upbound	664	474	52	138	91	20	71	755	4
Downbound	<u>676</u>	<u>497</u>	<u>50</u>	<u>129</u>	<u>68</u>	<u>58</u>	<u>10</u>	<u>744</u>	<u>110</u>
Total	1,340	971	102	267	159	78	81	1,499	114
<b>1996</b>									
Upbound	532	342	48	142	67	24	43	599	2
Downbound	<u>508</u>	<u>329</u>	<u>49</u>	<u>130</u>	<u>83</u>	<u>76</u>	<u>7</u>	<u>591</u>	<u>69</u>
Total	1,040	671	97	272	150	100	50	1,190	71
Percent Change	-22%	-31%	-5%	2%	-6%	28%	-38%	-21%	-38%

Jan - Mar	Lockages				Number Delayed	Average Delay		Total Delay
1995	<u>Total</u>	<u>Rec.</u>	<u>Comm.</u>	<u>Other</u>	<u>Tows</u>	<u>(hrs)</u>	<u>(hrs)</u>	<u>Time Tows</u>
Upbound	442	257	96	89	52	0.94	0.94	48.63
Downbound	<u>479</u>	<u>303</u>	<u>78</u>	<u>98</u>	<u>50</u>	<u>0.21</u>	<u>0.21</u>	<u>10.72</u>
Total	921	560	174	187	102	0.58	0.58	59.35
<b>1996</b>								
Upbound	358	181	63	114	48	0.05	0.05	2.17
Downbound	<u>354</u>	<u>188</u>	<u>68</u>	<u>98</u>	<u>49</u>	<u>0.05</u>	<u>0.05</u>	<u>2.23</u>
Total	712	369	131	212	97	0.05	0.05	4.40
Percent Change	-23%	-34%	-25%	13%	-5%	-91%	-91%	-93%

*1996 data unavailable for the following month(s): Jan*

Freshwater Bayou Freshwater Bayou	Main River Mile: 1.2				Lower Miss Valley Divisor New Orleans District				
Jan - Mar	Vessels				Barges			Bottoms	Tonnage
1995	<u>Total</u>	<u>Rec.</u>	<u>Tows</u>	<u>Other</u>	<u>Total</u>	<u>Loaded</u>	<u>Empty</u>	<u>Total</u>	<u>ktons</u>
Upbound	3,038	215	53	2,770	946	920	26	3,984	556
Downbound	<u>3,019</u>	<u>227</u>	<u>54</u>	<u>2,738</u>	<u>1,204</u>	<u>1,187</u>	<u>17</u>	<u>4,223</u>	<u>754</u>
Total	6,057	442	107	5,508	2,150	2,107	43	8,207	1,310
<b>1996</b>									
Upbound	3,347	162	45	3,140	1,180	1,162	18	4,527	667
Downbound	<u>3,359</u>	<u>160</u>	<u>51</u>	<u>3,148</u>	<u>1,618</u>	<u>1,601</u>	<u>17</u>	<u>4,977</u>	<u>959</u>
Total	6,706	322	96	6,288	2,798	2,763	35	9,504	1,626
Percent Change	11%	-27%	-10%	14%	30%	31%	-19%	16%	24%

Jan - Mar	Lockages				Number Delayed	Average Delay		Total Delay
1995	<u>Total</u>	<u>Rec.</u>	<u>Comm.</u>	<u>Other</u>	<u>Tows</u>	<u>(hrs)</u>	<u>(hrs)</u>	<u>Time Tows</u>
Upbound	1,945	77	974	894	53	0.27	0.27	14.10
Downbound	<u>1,993</u>	<u>90</u>	<u>1,156</u>	<u>747</u>	<u>54</u>	<u>0.23</u>	<u>0.23</u>	<u>12.18</u>
Total	3,938	167	2,130	1,641	107	0.25	0.25	26.28
<b>1996</b>								
Upbound	2,032	56	994	982	45	0.26	0.26	11.53
Downbound	<u>2,065</u>	<u>61</u>	<u>1,260</u>	<u>744</u>	<u>51</u>	<u>0.26</u>	<u>0.26</u>	<u>13.33</u>
Total	4,097	117	2,254	1,726	96	0.26	0.26	24.86
Percent Change	4%	-30%	6%	5%	-10%	4%	4%	-5%

# Lock Characteristics

## Lock Characteristics General Report

River/ Lock	Chamber	River Mile	Year Open	Length	Width	Lift	Status	Owner/Operator	Gate type
<b>ALABAMA</b>									
CLAIBORNE	MAIN	117.5	1969	600	84	30	OPERATIONAL	CORPS / CORPS	MOVEABLE
* MILLERS FERRY	MAIN	178	1969	600	84	45	OPERATIONAL	CORPS / CORPS	MOVEABLE
* ROBERT F. HENRY	MAIN	281.2	1972	600	84	45	OPERATIONAL	CORPS / CORPS	MOVEABLE
<b>ALBEMARLE &amp; CHESAPEAKE CANAL</b>									
GREAT BRIDGE	MAIN	11.5	1932	600	72	3	OPERATIONAL	CORPS / CONTRACTOR	MITER
<b>ALLEGHENY</b>									
2	MAIN	6.7	1934	360	56	11	OPERATIONAL	CORPS / CORPS	FIXED
3	MAIN	14.5	1934	360	56	14	OPERATIONAL	CORPS / CORPS	FIXED
4	MAIN	24.2	1927	360	56	11	OPERATIONAL	CORPS / CORPS	FIXED
5	MAIN	30.4	1927	360	56	12	OPERATIONAL	CORPS / CORPS	FIXED
6	MAIN	36.3	1928	360	56	12	OPERATIONAL	CORPS / CORPS	FIXED
7	MAIN	45.7	1930	360	56	13	OPERATIONAL	CORPS / CORPS	FIXED
8	MAIN	52.6	1931	360	56	18	OPERATIONAL	CORPS / CORPS	FIXED
9	MAIN	62.2	1938	360	56	22	OPERATIONAL	CORPS / CORPS	FIXED
<b>APALACHICOLA</b>									
JIM WOODRUFF	MAIN	106.3	1954	450	82	33	OPERATIONAL	CORPS / CORPS	MOVEABLE
<b>ARKANSAS</b>									
NORRELL	MAIN	10.3	1967	600	110	30	OPERATIONAL	CORPS / CORPS	FIXED
2	MAIN	13.3	1967	600	110	20	OPERATIONAL	CORPS / CORPS	SECTOR
JOE HARDIN	MAIN	50.2	1968	600	110	20	OPERATIONAL	CORPS / CORPS	SECTOR
EMMETT SANDERS	MAIN	66	1968	600	110	14	OPERATIONAL	CORPS / CORPS	SECTOR
5	MAIN	86.3	1968	600	110	17	OPERATIONAL	CORPS / CORPS	SECTOR
DAVID T. TERRY	MAIN	108.1	1968	600	110	18	OPERATIONAL	CORPS / CORPS	SECTOR
MURRAY	MAIN	125.4	1969	600	110	18	OPERATIONAL	CORPS / CORPS	SECTOR
TOAD SUCK FERRY	MAIN	155.9	1969	600	110	16	OPERATIONAL	CORPS / CORPS	SECTOR
ARTHUR V. ORMOND	MAIN	176.9	1969	600	110	19	OPERATIONAL	CORPS / CORPS	SECTOR
DARDANELLE	MAIN	205.5	1969	600	110	55	OPERATIONAL	CORPS / CORPS	SECTOR
OZARK - JETA TAYLOR	MAIN	256.8	1969	600	110	34	OPERATIONAL	CORPS / CORPS	SECTOR
JAMES W. TRIMBLE	MAIN	292.8	1969	600	110	20	OPERATIONAL	CORPS / CORPS	SECTOR
W.D. MAYO	MAIN	319.6	1970	600	110	21	OPERATIONAL	CORPS / CORPS	MOVEABLE
ROBERT S. KERR	MAIN	336.2	1970	600	110	48	OPERATIONAL	CORPS / CORPS	MOVEABLE
WEBBERS FALLS	MAIN	366.6	1970	600	110	30	OPERATIONAL	CORPS / CORPS	MOVEABLE
<b>ATCHAFALAYA</b>									
BERWICK	MAIN	1.5	1950	307	45	14	OPERATIONAL	CORPS / CORPS	SECTOR
<b>BAYOU TECHE</b>									
* EAST & WEST CALUMET	CNTRL	4	1950	0	45	0	SEASONAL	CORPS / CORPS	SECTOR
* KEYSTONE	MAIN	72	1913	162	36	8	OPERATIONAL	CORPS / CORPS	MITER
<b>BLACK</b>									
JONESVILLE	MAIN	25	1972	655	84	30	OPERATIONAL	CORPS / CORPS	MOVEABLE
<b>BLACK ROCK CHANNEL</b>									
BLACK ROCK	MAIN	4	1914	650	70	5	OPERATIONAL	CORPS / CORPS	REPLACED

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# APPENDIX 8

## Ordering Information



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**ORDERING GUIDE FOR THE NAVIGATION DATA CENTER REPORTS**  
**Waterborne Commerce, Vessel and Locks Statistics**

<u>Title</u>	<u>Sales Price*</u>
Waterborne Commerce of the United States (WCUS)	
Part 1 WCUS, Waterways and Harbors on the Atlantic Coast .....	\$ 19.00
Manuscript Data on diskette .....	5.00
Part 2 WCUS, Waterways and Harbors on the Gulf Coast, Mississippi River System and Antilles .....	21.00
Manuscript Data on diskette .....	5.00
Part 3 WCUS, Waterways and Harbors of the Great Lakes .....	9.00
Manuscript Data on diskette .....	5.00
Part 4 WCUS, Waterways and Harbors on the Pacific Coast, Alaska and Hawaii .....	14.00
Manuscript Data on diskette .....	5.00
Part 5 WCUS, National Summaries .....	7.00
Public Domain Database (Area to Area or State to State)	
Hardcopy .....	15.00
Diskette .....	5.00
Waterborne Transportation Lines of the United States (WTLUS)	
Volume 1, National Summaries .....	**
Volume 2, Vessel Company Summary .....	7.00
Vessel Company Information on diskettes .....	10.00
Volume 3, Vessel Characteristics .....	27.00
Vessel Characteristics on diskettes .....	40.00

\* Effective with the calendar year 1994 publications.

\*\* Prices have yet to be determined. Material may be ordered from:

Waterborne Commerce Statistics Center  
U.S. Army Corps of Engineers  
PO Box 61280  
New Orleans, LA 70161-1280  
Check or money order should be made payable to:FAO-USAED, New Orleans. Point of contact is Ms. Peggy Galliano (504) 862-1424 or Mr. Thomas Mire (504) 862-1470; FAX (504) 862-1423.

## ORDERING GUIDE FOR PORT SERIES REPORTS

<u>NO.</u>	<u>PRICE</u>	<u>DATE OF SALES PUBLICATION</u>	<u>PRICE</u>
1	Portland and Searsport, ME, and Portsmouth, NH.....	1985	\$ 7.00
3	Boston, MA.....	1994	14.00
4	Ports of Southern New England (Bridgeport, CT; New Haven, CT; New London, CT; Providence, RI; Fall River, MA; New Bedford, MA).....	1994	17.00
5	New York, NY, and NJ, and Ports on Long Island, NY.....	1988	15.50
6	Albany and Ports on Hudson River, NY.....	1996*	-
8	Philadelphia, PA; Camden, NJ; Wilmington, DE; and Ports on Delaware River.	1984	10.00
10	Baltimore, MD.....	1991	8.00
11	Ports of Hampton Roads, and Ports on the James and York Rivers, VA.....	1993	26.00
12	Wilmington and Morehead City, NC.....	1987	7.00
13	Charleston and Georgetown, SC.....	1987	7.00
14	Savannah and Brunswick, GA.....	1990	7.50
15	Jacksonville and Fernandina Beach, FL.....	1986	7.00
16	Miami, Port Everglades, Palm Beach, and Port Canaveral, FL.....	1991	8.50
17	Tampa and Port Manatee, FL.....	1996*	-
18	Mobile, AL.....	1986	6.50
19	Panama City and Pensacola, FL; Pascagoula and Gulfport, MS; and Ports on the Apalachicola, Chattahoochee, and Flint Rivers.....	1986	9.50
20	New Orleans, LA.....	1990	10.00
20A	Mississippi River Ports Below and Above New Orleans, LA.....	1992	10.50
21	Baton Rouge and Lake Charles, LA.....	1990	11.00
22	Port Arthur, Beaumont, and Orange, TX.....	1988	8.00
23	Galveston and Texas City, TX.....	1996	15.00
24	Houston, TX.....	1989	10.00
25	Corpus Christi, TX.....	1993	10.00
26	Freeport, Point Comfort/Port Lavaca, Brownsville, and Ports along Gulf Intracoastal Waterway, TX.....	1991	10.00
27	San Diego, CA.....	1987	6.50
28	Los Angeles, Long Beach, and Port Hueneme, CA.....	1996*	-
30	San Francisco, Redwood City, and Humboldt Bay, CA.....	1991	8.00
31	Oakland, Alameda, Richmond, and Ports on Carquinez Strait, CA.....	1991	8.00
32	Sacramento, Stockton, Pittsburg, and Antioch, CA.....	1986	7.00
33	Coos Bay, OR and Ports on Columbia-Snake River System.....	1986	11.00
34	Portland, Astoria, The Dalles, Boardman, and Umatilla, OR; Longview, Kalama, Vancouver, Pasco/Kennewick, Wilma, and Clarkston, WA; and Lewiston, ID....	1996*	-
35	The Ports of Tacoma, Olympia, and Grays Harbor, WA.....	1993	13.00
36	Seattle, WA.....	1993	19.00
37	Port Angeles, Port Townsend, Everett, Anacortes, and Bellingham, WA.....	1987	7.50
38	Ports of Alaska (Anchorage, Kenai, Valdez, Kodiak, Unalaska, Kotzebue, Nome, Bethel, Ketchikan, Wrangell, Petersburg, Sitka, Juneau, etc.)....	1995	20.00
39	Ports of Southwest and Western Alaska.....(NEW EDITION)	1995	20.00
41	Buffalo, NY.....	1990	6.50
42	U.S. Ports on Lake Erie (Erie, PA; and Conneaut, Ashtabula, Fairport Harbor, Lorain, Huron, and Sandusky, OH).....	1990	8.50
43	Cleveland, OH.....	1989	7.00
44	Toledo, OH.....	1989	6.00
45	Detroit and Ports on the Saginaw River, MI.....	1996*	-
46	Chicago, IL.....	1995	20.00
48	The Port of Milwaukee, Wisconsin and Ports on Lake Michigan.....	1995	23.00
49	Duluth, MN; Superior, WI; Taconite Harbor, Silver Bay, and Two Harbors, MN; and Ashland, WI.....	1987	6.50
50	Ports of Hawaii (Honolulu, Port Allen, Nawiliwili, Kahului, Kaunakakai, Kawaihae, and Hilo).....	1987	7.00
60	Pittsburgh, PA, and Ports on the Ohio, Monongahela, and Allegheny Rivers, PA.....	1992	12.00
61	Huntington, WV, Ports on Ohio River Miles 40-317, and Kanawha River, WV...	1992	12.00
62	Cincinnati, OH, and Ports on Ohio River Miles 317-560.....	1991	8.50
63	Louisville, KY, Ports on Ohio River Miles 560-980, and Cumberland and Green Rivers.....	1992	10.50
64	Ports on Tennessee River, Tennessee-Tombigbee and Black Warrior-Tombigbee Waterways, and Alabama River.....	1986	11.00
65	Illinois Waterway, IL.....	1994	12.00
68	Ports on the Missouri, Arkansas, Verdigris, White, and Ouachita Rivers....	1987	10.00
69	Minneapolis-St. Paul, MN, and Ports on Upper Mississippi River Miles 300-860 AOR.....	1994	33.00
70	St. Louis, MO, and Ports on Upper Mississippi River Miles 0-300 AOR.....	1992	9.50
71	Memphis, TN; Helena, AR; and Ports on Lower Mississippi River Miles 620-954 AHP.....	1994	10.00
72	Natchez, Vicksburg, and Greenville, MS, and Ports on Lower Mississippi River Miles 255-620 AHP.....	1991	8.00

\* Tentative date of publication.

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For a review of other services we provide through the Navigation Data Center, visit the internet home page for NDC at <http://www.wrc-ndc.usace.army.mil>

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