

Public-Data File 87-24
WATER-USE DATA IN ALASKA, 1986

By
William A. Petrik ¹

Alaska Division of Geological and Geophysical Surveys

SEPTEMBER 1987

THIS REPORT HAS NOT BEEN REVIEWED FOR
TECHNICAL CONTENT (EXCEPT AS NOTED IN
TEXT) OR FOR CONFORMITY TO THE
EDITORIAL STANDARDS OF DGGS.

794 University Avenue, Suite 200
Fairbanks, Alaska 99709

¹ ADGGS, P.O. Box 772116, Eagle River, Alaska 99577

CONTENTS

	<u>Page</u>
Abstract	1
Introduction	1
Methods	7
Computing water-use from reports	9
Storing data	13
Data tabulation	14
Results	19
Acknowledgements	21
References cited	21

FIGURES

1. Generalized hydrologic unit map of Alaska.	23
2. Comparison of East Cook Inlet and statewide monthly water-use for 1986.	24

TABLES

1. Water-use data in Alaska, 1986, arranged by file type and number.	25
2. Comparison of water-use data by SIC code, by RETTYPE.	43
3. Water-use data arranged by SIC CODE, by RETURN TYPE.	44
4. Water-use data arranged by HYDROLOGIC UNIT.	50

APPENDICES

A. Cross reference of file numbers to locations.	56
B. Standard Industrial Classification (SIC) code listing.	60

ABSTRACT

In cooperation with the United States Geological Survey (USGS), the Alaska Department of Natural Resources (DNR), Division of Geological and Geophysical Surveys (DGGs) has undertaken the Alaska Water-Use Data System (AWUDS). In 1986, water-use data has been processed for 157 water sources throughout Alaska. An emphasis has been placed on tracking water-use in areas of existing or potential water-use related problems. AWUDS broadens the Alaskan hydrologic database used for many purposes including formulating water-rights adjudication decisions and hydrologic investigations. This program has accounted for 102,842 million gallons (MG) of water-use for calendar year 1986, including 15 types of water-use. The greatest number of reported water-users in Alaska are public water suppliers. The Eklutna hydroelectric power generation plant is the largest reported water-user.

INTRODUCTION

USGS began reporting water-use data on a nationwide basis in 1950 (Baron, 1984). These data have questionable reliability because of inconsistent estimating techniques and collection methods. In 1977, the U.S. Congress directed USGS to establish a National Water-Use Information Program for uniform data collection. This program was designed to be a cooperative effort between the States and the Federal Government. Alaska's cooperative program is the Alaska Water-Use Data System (AWUDS).

AWUDS establishes a statewide inventory of water-use information. The program collects water-use data, uses a computerized system for storage of collected data, and allows flexibility in analyzing and extracting information from the database for long-range management of water resources. AWUDS was

developed by the Division of Land and Water Management (DLWM) of DNR, in cooperation with USGS. In 1986, the AWUDS program was transferred to DGGS. It is an integral part of the Alaska Water Resources Evaluation (AWARE) Five-Year Plan (DGGS and USGS, 1985).

The goal of AWUDS is to establish a statewide site-specific water-use database to be used in conjunction with existing water-availability information. The inventory includes not only the collection of currently compiled water-use reports by other government agencies, but also the acquisition of new data from various communities and water-users.

Water-use data are available from large and small municipal water suppliers, commercial and industrial users, agricultural users, public utilities, and miscellaneous water-users statewide. An emphasis has been placed on collecting information from public water suppliers statewide and on areas of the State where existing or foreseeable water quality or quantity problems occur.

In conjunction with the AWUDS program, a database system was developed to store water-use information for statewide use. The Land Administration System (LAS) is a statewide computer database originally established for automating water-use information. In time, the water-use database became a subsystem as other databases were added to the LAS. Now the LAS has expanded to also include databases for the Lands section of DLWM, Division of Mining, Division of Oil and Gas, and Contract Administration. The water-use subsystem is only a small part of the LAS.

Water is used for many purposes in Alaska. DLWM has used a federally established system to categorize different types of water-use. The Standard Industrial Classification (SIC) code scheme is used by DLWM to correlate water-use to the type of business using water.

"The Standard Industrial Classification was developed for use in the classification of establishments by type of activity in which they are engaged; for purposes of facilitating the collection, tabulation, presentation, and analysis of data relating to establishments; and for promoting uniformity and comparability in the presentation of statistical data collected by various agencies of the United States government, state agencies, trade associations, and private research organizations. To be recognized as an industry, the group of establishments constituting the proposed classification must be statistically significant in the number of persons employed, the volume of business done, and other measures of economic activity" (U.S. Office of Management and Budget, 1972). SIC codes were not created exclusively for water-use purposes. DLWM assigns SIC codes to water-rights cases when entered in the LAS.

There are 11 SIC Divisions (see Appendix B). These divisions are designated "A" through "K". The divisions are subdivided into a total of 84 Major Groups, with each division containing from 1 to 20 Major Groups. Within Major Groups, specific industries are assigned four digit Industry Numbers. Industry Numbers are the codes assigned to water-rights cases by DLWM personnel. In 1986, AWUDS tracked water-use in 15 Industry Number categories which are included within 7 of the 11 SIC Divisions.

Regulations governing drinking water, defines "public water system" as meaning "any source of water, intake works, collection system, treatment works, storage facility, or distribution system from which water is available for human consumption; the term includes, but is also not limited to, systems providing water to more than one residential dwelling unit, or to a factory, office building, restaurant, school, and other similar facilities, but does not include a system serving only a single-family residence" (Alaska Department of Environmental Conservation, 1982). According to the DEC classification, this report contains 147 water-users that are public water suppliers. In this report, the SIC codes already existing in the LAS will be used to define public water suppliers. With minor exceptions, DLWM adheres to the definition of a public water supplier as being a water source serving more than two residential structures (B.E. Wright, DLWM, oral commun., 1987). Only 127 water-users are classified as public water suppliers by adjudicators with DLWM. The discrepancy between the number of public water suppliers as assigned by each agency is attributable to the greater detail of classification that is afforded by the SIC classification method. DEC includes many non-residential water-users in their public water supply inventory.

Public-supplied water-use amounts pumped during 1983 for selected communities comprise the first data entered into the LAS water-use subsystem. Although these data were the first water-use data to be automated, the Water Management Section of DLWM has been collecting and manually filing water-use figures in casefiles since about 1970. All available historic water-use figures extracted from the casefiles prior to 1983 were obtained from 77 water supply sites within 18 communities. These data have been compiled and

summarized and added to the LAS water-use subsystem. In 1986, 157 water sources within 50 communities are included in the AWUDS program.

Of the 157 reported water-use sources in this report, 147 are also listed in the Alaska Department of Environmental Conservation (DEC) Public Water Supply Program Inventory as of September 1986 (Richard Farnell, DEC, written commun., 1987). The remaining 10 water-users not listed include various water-use types. Water-use data are not available through DEC, although rough estimates of average daily water-usage, storage amounts, and potential maximum water pumpage per day exist. None of this information is used in this report. There are approximately 2,400 public water systems monitored in Alaska by DEC. This includes water sources which are derived from ground water and surface water.

There are many sources of historic water-use available. USGS has a number of related publications which include Alaska water-use. National Water Summaries (U.S. Geological Survey, 1983; 1984; 1985) included surface water, ground water, and general Alaska water-use data for 1980. The Municipality of Anchorage, Water and Wastewater Utility (AWWU) summarizes monthly water supply well production data and Ship Creek water treatment facility figures. Their December summary includes year end totals. Historic water-use data for Anchorage is summarized by USGS (1986). The Alaska Oil and Gas Conservation Commission Bulletin is a monthly publication which has monthly summaries of all oil, gas, and water production, recovery, and disposal wells in the Alaskan Oil and Gas industry. This information is available from the earliest wells of the 1960's to the present. Yearly summaries appear in the February issues.

Hydroelectric power generation water-use data is also available for six facilities in Alaska. The Alaska Power Administration has water-use data available in manual files for two hydroelectric projects and the Alaska Power Authority has four hydroelectric projects for which outflow streams are gaged (Eric Marchegiani, Alaska Power Authority, oral commun., 1987). These data are published by USGS in an annual report series entitled "Water Resources Data - Alaska".

The DNR Division of Mining has water-use estimates available from approximately 500 active State placer mining claim applications per year. These claim applications are entered in the LAS mining subsystem and reviewed by DLWM for water rights issuance. Most of the reliable water-use data for mining in Alaska is part of DLWM's water rights adjudication process.

This report provides detailed information regarding water-use in Alaska for the calendar year 1986 and lists critical geographic, demographic and specific water-use data for 157 water-users statewide. Most data published elsewhere (see above) are not included in this report. Data in this report include data received by DGGs through September 1, 1987.

Water-use data provide water resources information that can be used for more complete water resources analysis, planning, and to facilitate sound economic development. The data will also aid the State in the water rights adjudication process by assisting in evaluating the response of specific hydrologic or hydrogeologic environments to water extraction or diversion activities.

METHODS

AWUDS water-use data are collected in three ways:

- 1) by obtaining photocopies of water-use records submitted to DLWM;
- 2) by requesting monthly water-use data from water-users through questionnaire packets mailed at the beginning of each calendar year; and
- 3) by telephone conversations requesting water-use information from individuals, businesses, or other government agencies.

The first method of obtaining water-use data makes effective use of existing data collection activities of DLWM. DLWM requires metered water-use records from water rights permittees using 30,000 gal/day of water or more as part of the water-rights certification process. Water-rights permittees using between 500 gal/day and 30,000 gal/day of water may be required to submit water-use records at the discretion of the adjudicator (L.A. Carlson, DLWM, oral commun., 1987). The submission of water-use records helps to insure the State that water-users are not exceeding allocations of water quantities. The Division of Management (DM) produces a monthly printout which lists all permitted or certified water rights applicants that are required to submit water-use data. This printout is used to determine which of these applicants have water-use records available in DLWM's manual files and the potential to be used by AWUDS.

Many water-users have more than one water source or take point and consequently may also have more than one water right. In addition, one water source may have multiple water rights due to requests for additional water allocations. Water-use figures are sorted under one water right number if

there is more than one water right issued per source. Not every water right has a requirement for the holder to submit metered water-use data. Consequently, not every water right is useful in obtaining metered water-use data.

The second method of collecting water-use data is by sending a questionnaire packet directly to the water-user asking for voluntary information of any available water-use data. The questionnaire packet requests information on the type and location of water sources as well as any available historic water-use data not yet submitted. By mid-January of each calendar year all water-use questionnaire packets for that calendar year are mailed to selected communities or water-users by AWUDS staff. Criteria for selection of a site is if it already exists in the AWUDS program, a community that has its own public water supply system, or a water-user is in an area of hydrologic interest to the State. Fifty-three communities were inherited by DGGs as part of the AWUDS program transfer. The questionnaire packets include 12 monthly water-use forms and 12 stamped self-addressed envelopes for use in returning water-use information to DGGs during the calendar year.

A third method of obtaining water-use data is used if water-use data cannot be collected through DLWM Water Management Section nor via the questionnaire packet. This method involves making personal contact by telephone or mail. Sometimes this information is more effectively obtained over the telephone because the feedback is immediate.

Regardless of the water-use data collection method used, the quality of the data is similar. The quality is related to the accuracy of the data received as well as the frequency of data collection or submittal. Accuracy

is related to how well flow meters are read as well as how well the meters actually measure the amount of water that passes. The accuracy of meters in this program is not well documented and of a variable nature. At best, most meters used for this program are probably accurate within 20 percent of the actual pumpage figures. It is an added expense to have meters calibrated and most communities and water-users do not service these meters frequently enough to allow accurate (within 5 percent) measurements.

COMPUTING WATER-USE

In an ideal AWUDS scenario, water-use is metered at withdrawal points, from sources at intake and outlet distribution points of a reservoir or collection system, and at discharge points of water supply systems. In this summary, the amount of water reported is the quantity pumped from sources, usually at well heads or storage tank outlets, and not the cumulative amount which is received by water-users. Many water systems have substantial leaks, causing discrepancies between these two quantities.

Water-use records are computed in many ways. Qualitatively, they are measured or estimated by water meters, by weir techniques, by rate of flow through pipes or pumps or reservoir level change calculations. Many meters record water-usage in tens or hundreds of gallons instead of units, causing some meter readers to incorrectly record these figures. The interval consistency of the water-use figures is checked and compared with past records prior to entry into the LAS water-use subsystem. Also, reservoir-level change calculations typically require conversion of units from acre-feet per day or cubic feet per second to gallons per month.

Water-use data are reported by users in nearest whole tens or hundreds of gallons depending on the method of data collection. Data is then synthesized in its reported format. For the final reporting of these figures, they are rounded to the nearest hundred gallons. This level of precision allows meaningful reports of water-use figures by the smallest water-users and water-use to a reasonable level of significance by the majority of users. The accuracy of these reports is discussed in the following section on "Explanation of Headings" under "ACCURACY" and "METHOD".

Water-use records are reported on a yearly, quarterly, monthly, or daily basis. There is no relationship between the frequency of reporting water-use data and the specific types of water-uses. The most frequently received form of water-use records are monthly reports. Estimates indicate that 80 percent of the AWUDS water-use reports are reported on a monthly basis, 18 percent on a quarterly basis, and the remaining split between daily and yearly. Some information is submitted monthly as requested. For 1986, of 78 mail packets sent, 31 responded with full year's data, four responded with part of the year's data, and 43 never responded even after further requests for water-use data.

Water-use figures are reported in two different formats in this report. The first type is average monthly water-use and the second is average yearly water-use. The fundamental unit used in water-use reports are millions of gallons per day (MGD).

Monthly reports can consist of one figure for the whole month or daily figures and meter readings compiled into monthly summaries by water-users.

All monthly data are divided by the number of days in that month that the source was pumped to obtain the average number of gallons of water used per day. The monthly data are also used in calculating yearly average water-use. Average daily water-use per month (ADWUPM) in millions of gallons (MG) is calculated by the following formula:

$$\text{ADWUPM} = \frac{\text{Number of gallons of water used in month}}{\text{Number of days in that month water source was pumped} \times 1,000,000}$$

The second most frequently received form of water-use data are daily records. These are received as either daily meter readings or daily volume figures. When only daily volume figures are received, the figures are totalled for the month and divided by the number of days the water source was pumped. When only meter readings are received, monthly water-use totals are obtained by subtracting the reading nearest the beginning of this month from the reading nearest the beginning of the next month. The resulting figure is then divided by the number of days the water source was used between readings.

In the event that both water meter readings and volume figures are submitted, the monthly meter readings are subtracted and volume figures are used as a check against the meter reading differences. The differences are generally insignificant and simple arithmetic errors are occasionally found. But in the event of discrepancies, and if no major error is discovered, the meter reading differences are used because they are more likely to be correct.

Water-use reports are also received on a quarterly basis. They are reported as meter readings or volumes and often both. Only broad water-use trends are noted rather than monthly fluctuations. Quarterly figures are

divided by the number of days the water source was pumped to obtain average daily water-use per quarter.

The last type of water-use report is based on a year. Yearly water-use reports are least common and are less useful because water-use trends can only be observed over one year periods. This type of report can be used for annual average daily water-use only. The annual average daily water-use is computed by dividing the total yearly water-use by the number of days the water source is pumped during that year.

The average daily water-use per year (ADWUPY) is calculated by subtracting the meter reading nearest the beginning of the year from the meter reading nearest the beginning of the following year. This figure is then divided by the number of days the water source was reported to have been pumped that year. If water-use figures were reported in volume figures, annual totals are calculated from the monthly figures. This total is then divided by the number of days that the water source was pumped during the year. The ADWUPY is calculated from reports by adding them together to get yearly totals and reports are added to get yearly totals and dividing by the number of days the water source was pumped during the year. The result will be in MGD.

In some instances water sources are not pumped for complete time intervals of months, quarters, or years. In computing yearly water-use averages, two methods have been used in this report. The first method is the daily average water-use. It is computed by dividing the total amount of water used during a calendar year by the number of days the source was used. The

result is called "DAILY AVG". "YEARLY AVG" is obtained by dividing the total water-use in a calendar year by the number of days in that year. In the event that data is not available for part of the year, the "YEARLY AVG" is not computed because there is no way of knowing how much water-use truly occurred during periods of no records. Months during which water-use data is not reported are indicated by code " . " and months during which no water-use occurred is indicated by "0.0000".

Not all communities that provide water-use information meter water pumpage. These communities provide estimates based on educated guesses that water plant operators make from past data and recent events in their community. These estimated figures are incorporated in the report and noted as such.

STORING DATA

Water-use data are entered onto the State's LAS water-use subsystem. The water-use files were specifically designed to store and summarize water-use figures consistent with the National Water-Use Data System (NWUDS). The State's Geographic Information System (GIS) geoprocessor can be used to assist in water resources management and planning by locating and quantifying water-use data from the LAS on statewide maps. The database built through the AWUDS program has been duplicated onto the GIS geoprocessor and can create two types of data files. The types are:

- 1) geographically calculated maps showing the location of water pumpage and distribution points; and,
- 2) a record file storing attribute information such as use quantities, use codes, and water source types.

The second type of data file is used to provide information for this report.

DATA TABULATION

Contents of Tables and Appendices

Table 1 is a compilation of information on water-users and reported water-use. Specific data included identify the water-users by name and state established codes and descriptions. Water-use locations are described by latitude and longitude as well as meridian, township, range, and section. Water-use is reported by monthly and yearly daily averages and includes the number of days the source was used and maximum and minimum months of reported water-use.

Table 2 is an analysis of AWUDS reported water-use. The reported water-use data is sorted by SIC code (Industry Number) and RETURN TYPE for comparison of types of water-use to types of water sources. Water-use types are subdivided into amounts and percentages of ground water and surface water and totals of each reported SIC code (Industry Number).

Table 3 analyses the total amount of water used in each reported SIC code (Industry Number). It is subdivided into user name, a state identification case code, the number of days water source was pumped, the average daily water-use, and yearly total water-use.

Table 4 is a geographic breakdown of water-use. It is divided into hydrologic units, names of water-users, LAS case identifiers, the number of days water source was pumped, average daily water-use, and total water-use by individual users and entire hydrologic units.

Appendix A is a cross reference of names of water-users to their file type and number. Table 1 is sorted by file type and number whereas this appendix is sorted by name and offers a quick cross reference.

Appendix B is a listing of SIC divisions, Major Groups, and Industry Numbers.

Explanation of Table Headings

The following are explanations of the headings used for information printed in the tables for this report.

FILE or TYPE--NUMBER	A unique combination of the File Type and Number associated with this case. File types are initiated from the Alaska Division of Lands (ADL) and LAS, respectively. File may be split into TYPE and NUMBER for some tables.
FACILITY NAME	The name of the water-using facility or installation with-drawing, returning, delivering or releasing, water.
IDENT.	The Customer Identification Number (CID) and Customer Name involved in the case.
LATITUDE	The latitude of the water-using facility in degrees, minutes, and seconds. Precision to nearest tenth of a second.
LONGITUDE	The longitude of the water-using facility in degrees, minutes, and seconds. Precision to the nearest tenth of a second. East or west longitude indicated.
MERIDIAN	The meridian that the using facility is located in. (Alaska meridians are Copper River, Fairbanks, Kateel, Seward, and Umiat).
TOWN	The township that the using facility is located in.
RANGE	The range that the using facility is located in.
SECTION	The section that the using facility is located in.
QQ, Q	Aliquot parts of a section, describing the location of the using facility. Quarter quarter (QQ), and quarter (Q) sections are the limit of resolution, chosen from NE, NW, SW, or SE.

CW	The number of chains west of the east line of the Section. A chain equals 66 ft.																		
CN	The number of chains north of the south line of the Section. A chain equals 66 ft.																		
SOURCE/ DESTINATION	The name of the river, lake, bay, principal aquifer, public water supplier, sewage treatment facility, or entity from which water is withdrawn by the using facility./ The name of the river, lake, bay, principal aquifer, public water supplier, sewage treatment facility, or entity to which water is returned or sent.																		
STATUS DESCRIPTION	A two-word code used to describe the status of water rights casefile for this particular water source and using facility.																		
CODE	The numerical code representing the STATUS DESCRIPTION.																		
WITHCODE	A code indicating whether the related data elements are describing a withdrawal or return of water.																		
SEQ	A unique two-digit sequence code, within a facility, to identify a specific withdrawal, delivery or return of water. Facilities having many sources or returns, may have several unique withdrawal/return sequence codes.																		
TYPE, TY RETTYPE, or RETURN TYPE	The type of water body from which water is withdrawn or returned by the using facility. TYPE codes include: -Ground water (GW) -Surface water (SW) -Transferred water (TW) (that is, water transferred between two water-using facilities without passing through a natural water body) -Injection water (IW) (that is, water moved artificially from a surface location to the ground water system for storage or disposal). This code is valid only when the Withdrawal/Return Code is 'R'																		
NWUDS	The National Water Use Data System sub-category code that pertains to the water-use. NWUDS codes include: <table border="0" style="margin-left: 40px;"> <tr> <td>Agriculture (non-irrigated) (AG)</td> <td>Mining (MI)</td> </tr> <tr> <td>Aquaculture (AQ)</td> <td>Navigation (NV)</td> </tr> <tr> <td>Commercial (CO)</td> <td>Nuclear Energy Power (PN)</td> </tr> <tr> <td>Domestic (DO)</td> <td>Preservation (PR)</td> </tr> <tr> <td>Fossil Fuel Power (PF)</td> <td>Quality Improvement (QI)</td> </tr> <tr> <td>Geothermal Power (PG)</td> <td>Recreation (RC)</td> </tr> <tr> <td>Hydroelectric Power (PH)</td> <td>Sewage Treatment (ST)</td> </tr> <tr> <td>Industrial (IN)</td> <td>Treaties (TR)</td> </tr> <tr> <td>Irrigation (IR)</td> <td>Water Supplier (WS)</td> </tr> </table>	Agriculture (non-irrigated) (AG)	Mining (MI)	Aquaculture (AQ)	Navigation (NV)	Commercial (CO)	Nuclear Energy Power (PN)	Domestic (DO)	Preservation (PR)	Fossil Fuel Power (PF)	Quality Improvement (QI)	Geothermal Power (PG)	Recreation (RC)	Hydroelectric Power (PH)	Sewage Treatment (ST)	Industrial (IN)	Treaties (TR)	Irrigation (IR)	Water Supplier (WS)
Agriculture (non-irrigated) (AG)	Mining (MI)																		
Aquaculture (AQ)	Navigation (NV)																		
Commercial (CO)	Nuclear Energy Power (PN)																		
Domestic (DO)	Preservation (PR)																		
Fossil Fuel Power (PF)	Quality Improvement (QI)																		
Geothermal Power (PG)	Recreation (RC)																		
Hydroelectric Power (PH)	Sewage Treatment (ST)																		
Industrial (IN)	Treaties (TR)																		
Irrigation (IR)	Water Supplier (WS)																		
SIC	The Standard Industrial Classification (SIC) codes applicable to the type of water-use (see appendix B).																		

RECORDS	The method used by the facility to determine the total quantity of water withdrawn or returned to or from a body of water. Methods are metered, calculated or estimated.
ACCURACY	Contains a code indicating the accuracy of the methods used by the facility to measure the water quantity. The codes are: - Excellent - the figure for the amount of water used is accurate to within 5 percent of the actual value - Good - the figure for the amount of water used is accurate to within 5 to 10 percent of the actual value - Fair - the figure for the amount of water used is accurate within a range of 10 to 25 percent of the actual value - Poor - The figure for the amount of water used contains more than a 25 percent error. The code used is subjectively determined by conversations with meter readers and individuals reporting data. The degree of accuracy is sometimes absolutely known by meter calibrations or actual measurements with other types of flow meters. In instances when the accuracy cannot be reasonably determined, the code is chosen as fair or poor, depending on condition of equipment used or methods.
PERIOD	The applicable span of time over which water-use reports have been based. Choices are monthly, quarterly, and yearly.
MONTHS	The number of months of the report period year that water-use records were available. A water source may have been used a greater number of months than is shown under this category because of the lack of reported data.
DAYS	The number of days per year that the water source was reported to have been used.
DAILY AVG or MGD	The average daily amount of water used per day computed for the number of days the water source was used during the year. Reported in MGD.
YEARLY AVG	The average daily amount of water used per day computed for the number of days in the report year. Reported in MGD. This entry is not calculated if water-use reports for the calendar year are incomplete.
MAX. MONTH	The month of the calendar year during which the maximum amount of water was withdrawn or returned from a body of water according to available records.

MIN. MONTH	The month of the calendar year during which the minimum amount of water was withdrawn or returned from a body of water according to available records.
HYD or HYDRUNIT	The two digit hydrologic unit code for using facility, based on State revisions to the USGS map series, "State Basic Hydrologic Unit Maps" (fig. 1). The series provides a set of maps showing drainage, culture, and hydrologic boundaries. The codes are as follows: 11 - Eastern Arctic Slope 12 - Colville River System 13 - Western Arctic Slope 21 - Kotzebue Sound 22 - Norton Sound 31 - Canadian Drainage 32 - Upper Yukon 33 - Middle Yukon 34 - Tanana River System 35 - Koyukuk River System 36 - Lower Yukon 41 - Kuskokwim River System 42 - Bristol Bay 43 - Eastern Aleutians 44 - Western Aleutians 51 - Kodiak/Eastern Alaska Peninsula 52 - Western Cook Inlet 53 - Eastern Cook Inlet 54 - Prince William Sound/Eastern Kenai 55 - Copper River System 61 - Icy Bay/Yakutat Bay 62 - S.E. AK. Mainland - North 63 - S.E. AK. Mainland - Central 64 - S.E. AK. Mainland - South 65 - S.E. AK. Islands - North 66 - S.E. AK. Islands - Central 67 - S.E. AK. Islands - South
JANUARY.. DECEMBER	The quantity of water used during the named month (MGD). The entry "0.0000" indicates no water-use during the month. The entry " ." indicates no records available for the month.
CID	The Customer Identification Number (CID) is a unique six digit code used to identify the customer involved in the case. Established when new customers are initiated in the LAS.
OBS	The sequential order that a data entry appears in a table.

YEARLY The cumulative amount of water used in a calendar year.
 Obtained by multiplying DAYS and MGD (or DAILY AVG).

RESULTS

In reviewing the 1986 water-use figures, highest water usage (exclusive of hydropower usage) in developed areas such as East Cook Inlet generally occurs in the summer and lowest water usage in the winter (fig. 2). Eklutna Hydroelectric Power Generation Project water-use exceeded the total of all other AWUDS reported water-use in 1986. Exclusive of Eklutna hydropower water-use, the East Cook Inlet area also reported more water-use than the remainder of the state combined.

The peak water usage for months of lowest water consumption is not as pronounced as the peaks for months of maximum water consumption. This is attributed to the practice in many bush communities and southeast Alaska of keeping household water taps running through periods of cold weather or all winter to avoid water service-line freeze-up.

Of the 157 reported water sources during 1986, 127 are classified by DLWM as public water-suppliers (SIC code 4941), or 81 percent of the total reported water-users listed in this report. The next largest category is oil and gas extraction related usage (SIC code 1311) with 6 percent (7 users) followed closely by aquaculture (SIC code 921) with 3 percent (5 users).

Nitrogenous fertilizer manufacturers (SIC code 2873) comprise 2 percent of the total number of reported water-users with 3 water sources. Water-users involved in zoos, hydroelectric power generation, elementary and secondary

schools, and sewage treatment plants (SIC codes 200, 4912, 8211, and 9111, respectively) each have two water-users per industry number. Water-users from the finfish industry, seafood canning and curing plants, petroleum refineries, nonresidential building operators, operators of dwellings other than apartment buildings, car washes, and skating rinks (SIC codes 912, 2091, 2911, 6512, 6514, 7542, and 7997, respectively) each have one water-user per industry number.

Geographically, 50 percent of all reported water use occurred in the East Cook Inlet area which includes the Municipality of Anchorage (including Eagle River and Girdwood), Palmer, Kenai, Soldotna, and Homer. The next highest frequency of reported water-users (7 percent) occurs in the Prince William Sound/Eastern Kenai Peninsula area which includes Valdez, Seward and Tatitlek.

Some of the reported water-use data do not accurately represent actual water consumption. Two reasons for this are the lack of accurate meter readings, missing months of meter readings, and leaky water supply systems. Many of the water users that tend to have large leakage problems are smaller communities with inadequate funding for maintenance and communities with water supply lines buried too shallow and subject to freezing and subsequent bursting.

In analyzing DGGs reported water-use data by SIC code, the major water use in the state occurred in hydroelectric power generation, followed by public water suppliers, waste water treatment, and aquaculture (table 2). Water use in other categories comprise less than 1 percent of the total reported water use listed in this report.

Discrepancies, trends, and changes in data between the DGGS and USGS water-use reports for Alaska are not readily comparable because of large differences in the number of reported water users. The results of the 1986 DGGS report are not as extensive as the USGS report. The reader should evaluate this report with this information in mind.

ACKNOWLEDGEMENTS

Jim Jurgens of DNR-Division of Management provided valuable computer assistance in transferring data files from the LAS water subsystem to the DG computer and then translating these files into usable format. Leslie Patrick and Liska Snyder of USGS reviewed preliminary drafts and Bill Long of DGGS reviewed final phases of this report. Special thanks to Jim Munter of DGGS for his intense technical reviewing and expertise.

REFERENCES CITED

- Alaska Division of Geological and Geophysical Surveys and United States Geological Survey, 1985, Alaska water resources evaluation, five-year plan, 1985-1989, 47 p.
- Alaska Department of Environmental Conservation, 1982, State of Alaska, drinking water regulations, 20 p.
- Baron, E.A., 1984, AWUDS five-year management plan, FY '85-'89: Alaska Division of Land and Water Management, 2 p.
- Petrik, W.A., 1986, Plan for the continuation of the Alaska water-use data system (AWUDS): Fairbanks, Alaska: Division of Geological and Geophysical Surveys Public-data File 86-83, 4 p.
- U.S. Geological Survey, 1976, Hydrologic unit map - 1974, State of Alaska: United State Geological Survey Publication, 1:2,500,000 scale, 1 sh.
- _____, 1983, National Water Summary 1983 - Hydrologic events and issues: Water-supply paper 2250, 243 p.
- _____, 1984, National Water Summary 1984 - Hydrologic events, selected water quality trends, and ground-water resources: Water-supply paper 2275, 467 p.

U.S. Geological Survey, 1985, National Water Summary 1985 - Hydrologic events and surface-water resources: Water-supply paper 2300, 506 p.

_____, 1986, Pumpage data from public supply wells at Anchorage, Alaska, 1957-1985: Open File Report 86-542, 48 p.

U.S. Office of Management and Budget, 1972, Standard Industrial Classification Manual: Statistical Policy Division, 649 p.

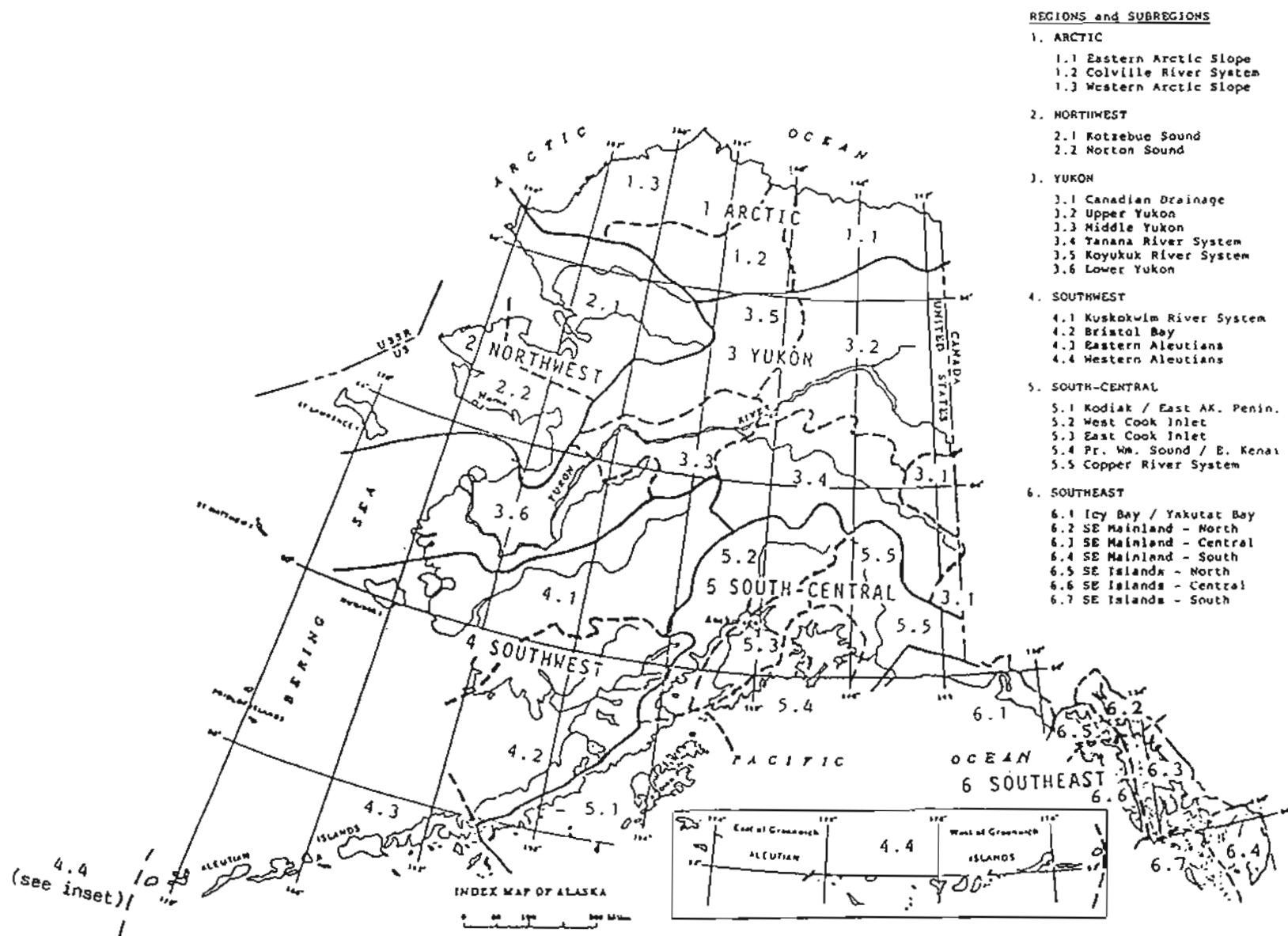


Figure 1. Generalized hydrologic unit map of Alaska.

1986 MONTHLY WATER USE

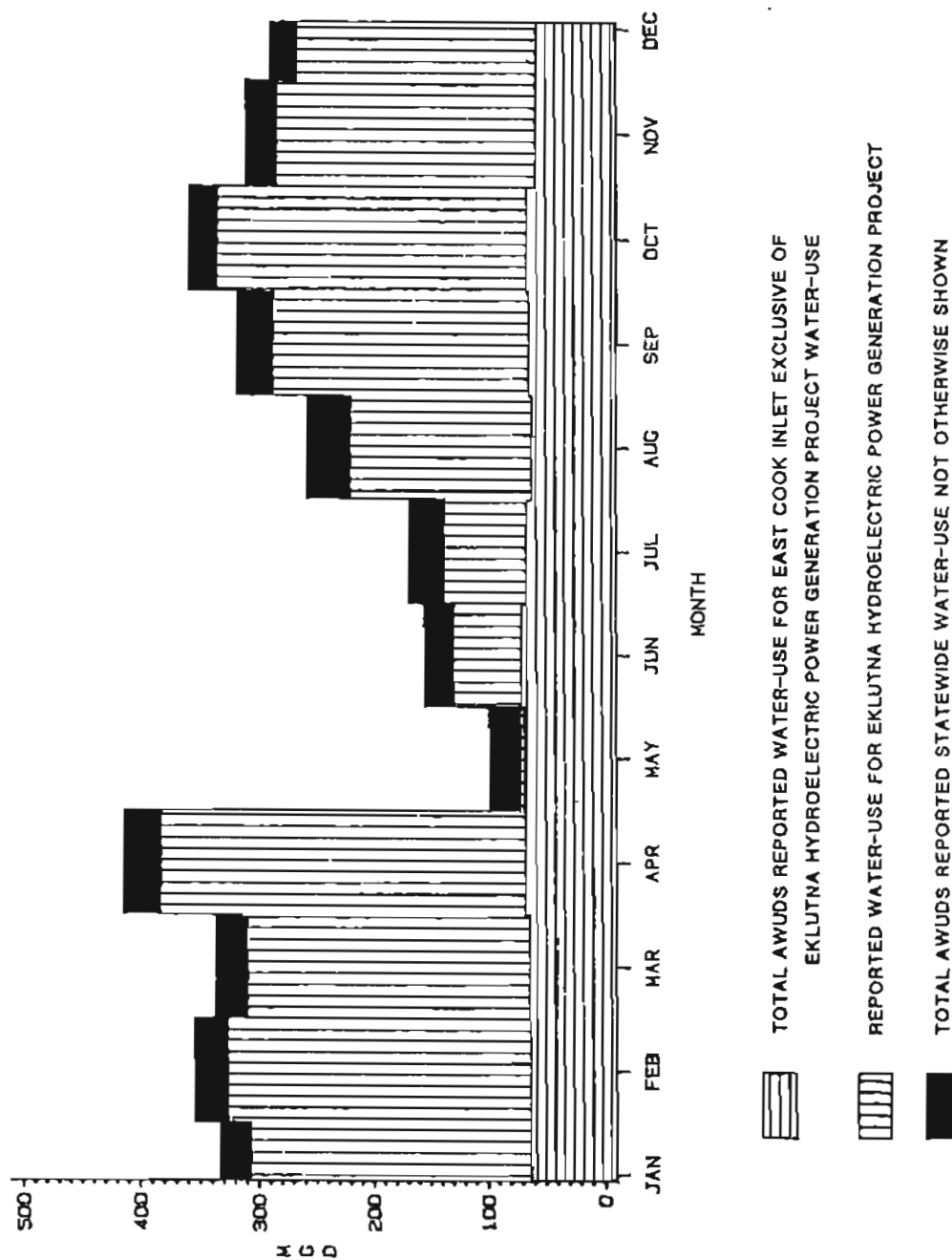


Figure 2. Comparison of East Cook Inlet and statewide monthly water-use for 1986.

Table 1. Water-use data in Alaska, 1986, arranged by file type and number.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS														
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RMSE	SEC	0	CM	CM	CM	CM	CM
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEQ	TYPE	NH003								
SIC	RECORDS	ACCURACY	PERIOD	DAYS	DAILY AVG	YEARLY AVG	MAX.	MONTH	MIN.	MONTH	MYD			
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
ADL 39797	KODIAK, CITY	126336	574807.8	1522402.1 N	SEWARD	0273	019N	30	SE	SE	13	7		
KODIAK CITY - PILLAR CREEK	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER									
8941	METERED FAIR	262	0.4651	0.3084	AUGUST									
0.9200	0.4571	0.0000	0.3200	0.0000	0.9667	0.0000	1.0387	0.4190	0.2767	0.0000	0.2801	51		
ADL 39936	SEWARD CITY	127408	600637.6	1492609.8 N	SEWARD	0015	001N	9	NW	SE	9	70		
SEWARD CITY	CERTIFICATE ISSUED	12		WITHDRAWAL 02	GROUNDWATER									
8941	METERED GOOD	365	0.2284	0.2284	JANUARY									
0.3667	0.2952	0.3011	0.3360	0.3000	0.1230	0.2075	0.2640	0.2851	0.2759	0.0151	0.1904	58		
ADL 39936	SEWARD CITY	127408	600637	1492609.8 N	SEWARD	0015	001N	9	NW	SE	9	70		
SEWARD CITY	CERTIFICATE ISSUED	12		WITHDRAWAL 03	GROUNDWATER									
8941	METERED GOOD	334	0.2615	0.2393	AUGUST									
0.3373	0.2399	0.3455	0.2276	0.2310	0.0658	0.3767	0.4360	0.5339	0.0607	0.0220	0.0000	54		
ADL 39936	SEWARD CITY	127408	600610.9	1492709.3 N	SEWARD	0015	001N	9	NW	SE	24	29		
SEWARD CITY	CERTIFICATE ISSUED	12		WITHDRAWAL 04	GROUNDWATER									
8941	METERED GOOD	62	0.4786	0.0613	AUGUST									
0.0000	0.0000	0.0000	0.0000	0.0000	0.0715	0.8857		0.0000	0.0000	0.0000	0.0000	54		
ADL 39936	SEWARD CITY	127408	600558.6	1492708.5 N	SEWARD	0025	001N	9	NW	SE	24	29		
SEWARD CITY	CERTIFICATE ISSUED	12		WITHDRAWAL 06	GROUNDWATER									
8941	METERED GOOD	335	0.3389	0.3110	MAY									
0.0000	0.1089	0.0266	0.8106	0.9205	0.8405	0.4901	0.2279	0.0024	0.0023	0.0004	0.3015	54		
ADL 40315	SOLDOTNA CITY	127502	602987.8	1510414.8 N	SEWARD	005N	010N	29	SE	NW	42	46		
SOLDOTNA CITY	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER									
8941	METERED GOOD	365	0.3097	0.3097	DECEMBER									
0.2733	0.2175	0.2166	0.1162	0.3551	0.4049	0.3738	0.3214	0.2543	0.4069	0.3884	0.4267	53		
ADL 42514	UNION CHEMICALS DIV, UNOCAL CO.	125261	604030.5	1512013.9 N	SEWARD	007N	012N	26	NE	NW	50	72		
UNION CHEMICALS DIV, UNOCAL CO.	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER									
2873	METERED GOOD	365	1.1294	1.1294	AUGUST									
1.1401	1.0236	0.8291	1.1154	1.1134	1.2332	1.2008	1.2594	1.2229	1.2551	1.0289	1.0950	53		
ADL 42595	KING COVE, CITY	126307	550339.2	1621910.1 N	SEWARD	0595	086N	22	NE	NW	72	63		
KING COVE / CITY OF KING COVE	CERTIFICATE ISSUED	12		WITHDRAWAL 01	SURFACE WATER									
8941	METERED GOOD	365	0.2996	0.2996	APRIL									
0.7458	0.0037	0.0065	0.5063	0.2107	0.3408	0.4998	0.4424	0.2141	0.2431	0.1911	0.2003	63		
ADL 42906	TESORO-ALASKAN PETROLEUM COMPANY	127684	604111.3	1512213.4 N	SEWARD	007N	012N	22	SE	NW	60	58		
WELL #1 / TESORO-ALASKA PETROLEUM COMPANY	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER									
8941	METERED GOOD	274	0.0006	0.0006	NOVEMBER									
0.0007	0.0011	0.0000	0.0000	0.0000	0.0002	0.0003	0.0000	0.0000	0.0000	0.0014	0.0004	54		

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS														
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	80	8	8	8	8	8
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEC	TYPE									
SIC	RECORDS	ACCURACY	PERIOD	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX.	MONTH	MYD				
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
ADL 42906	TESORO-ALASKAN PETROLEUM COMPANY	127684	604111.3	1512152.2	N	SEWARD	007N	012M	22	SE NW	44	58		
WELL #2 / TESORO-ALASKA PETROLEUM COMPANY	CERTIFICATE ISSUED	12	365	WITHDRAWAL	02	GROUNDWATER								
2911	METERED	GOOD	MONTHLY	12	365	0.3350	0.3350	AUGUST				54		
0.3202	0.3439	0.3204	0.3562	0.3709	0.2450	0.3216	0.3348	0.3478	0.3533	0.3540	0.3264			
ADL 42993	NOME, CITY	126821	643306.9	1652420.7	N	KATEEL	011S	034N	11	SE NE	18	53		
MOONLIGHT SPRINGS / NOME, CITY	PERMIT ISSUED	12	365	WITHDRAWAL	01	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	12	365	0.4614	0.4614	JUNE				22		
0.4426	0.4536	0.4694	0.4680	0.4878	0.5021	0.4961	0.4793	0.4248	0.4364	0.4417	0.4281			
ADL 43117	INDIAN COVE WATER COMPANY	126102	582243.3	1344201.5	N	COPPER RIVER	040S	065E	28	NW NW	78	73		
SOURCE AND DESTINATION LOCATIONS UNKNOWN	CERTIFICATE ISSUED	12	207	WITHDRAWAL	01	GROUNDWATER								
4941	METERED	FAIR	MONTHLY	7	207	0.0011	0.0011	JULY				62		
0.0000	0.0000	0.0000	0.0011	0.0012	0.0011	0.0011	0.0011	0.0009	0.0009	0.0009	0.0009			
ADL 43340	YAKUTAT, CITY	128153	593306.8	1394413.3	N	COPPER RIVER	027S	033E	25	NE NE	15	67		
YAKUTAT, CITY	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	12	365	0.1066	0.1066	AUGUST				61		
0.0723	0.0844	0.0622	0.1465	0.1320	0.1477	0.1495	0.1599	0.1488	0.0929	0.0361	0.0466			
ADL 43380	YAKUTAT, CITY	128153	593306.8	1394413.3	N	COPPER RIVER	027S	033E	25	NE NE	15	67		
YAKUTAT, CITY	CERTIFICATE ISSUED	12	183	WITHDRAWAL	02	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	6	183	0.0221	0.0111	SEPTEMBER				61		
0.0000	0.0000	0.0000	0.0256	0.0149	0.0081	0.0165	0.0305	0.0370	0.0000	0.0000	0.0000			
ADL 44121	SAXMAN, CITY	127363	551925.9	1313540.8	N	COPPER RIVER	075S	091E	33	SE NW	57	43		
SAXMAN CREEK / CITY OF SAXMAN	PERMIT ISSUED	12	365	WITHDRAWAL	01	SURFACE WATER								
4941	METERED	GOOD	MONTHLY	12	365	0.0435	0.0435	JANUARY				64		
0.0856	0.0616	0.0438	0.0397	0.0445	0.0361	0.0380	0.0271	0.0303	0.0448	0.0340	0.0367			
ADL 44197	ANCHORAGE, MUN. (ANKU)	167803	611926.5	1493333.9	N	SEWARD	014N	002M	12	NW NW	61	71		
ANKU / SUANYSLOPE	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01	GROUNDWATER								
4941	METERED	FAIR	MONTHLY	12	365	0.0642	0.0642	NOVEMBER				53		
0.0537	0.0560	0.0633	0.0640	0.0752	0.0730	0.0571	0.0496	0.0592	0.0647	0.0737	0.0265			
ADL 44626	ANCHORAGE, MUN. (ANKU)	167803	611314.7	1495132.1	N	SEWARD	013N	003M	17	SW NW	62	59		
WELL #3 / ANCHORAGE	CERTIFICATE ISSUED	12	365	WITHDRAWAL	03	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	12	365	0.3316	0.3316	FEBRUARY				53		
0.8483	0.9447	0.4116	0.5022	0.6381	0.1454	0.0283	0.0750	0.0990	0.1072	0.1476	0.0805			
ADL 44626	ANCHORAGE, MUN. (ANKU)	167803	611330.1	1494931.0	N	SEWARD	013N	003M	9	SE SW	52	3		
WELL #4 / ANCHORAGE	CERTIFICATE ISSUED	12	365	WITHDRAWAL	04	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	12	365	0.3648	0.3648	JULY				53		
0.3655	0.5588	0.6750	0.9100	0.7890	0.1753	0.0319	0.0630	0.2405	0.2336	0.2178	0.1186			

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS														
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	'SEC 00 0	'SN CM					
SOURCE / DESTINATION		STATUS DESCRIPTION		CODE	WITHCODE	SEQ	TYPE	NUMD8						
SIC RECORDS		ACCURACY	PERIOD	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH					
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER					
								NOVEMBER	DECEMBER					
ADL 44944	U.S. DEPARTMENT OF ENERGY, A.P.A.	173270	612945.1	1490727.8	N	SEWARD	016N	002E	8 NE NE 14 63					
EKLUTNA LAKE / POWERPLANT TAILRAGE	CERTIFICATE ISSUED	12	WITHDRAWAL 01			SURFACE WATER		HYDROELECTRIC POWER						
4912 CALCULATED GOOD	MONTHLY	12	189.0592	189.0592		APRIL		MAY	53					
243.4894	263.3970	244.9506	313.4072	3.0172	58.8575	72.4934	159.2047	222.9373	265.5040					
									206.7052					
ADL 45127	ANCHORAGE, MUN. (AMNU)	167803	610633.7	1495015.8	N	SEWARD	012N	003N	20 SW SE 17 2					
WELL #44 / BROOKWOOD #1, ANCHORAGE	CERTIFICATE ISSUED	12	WITHDRAWAL 01			GROUNDWATER		WATER SUPPLIER						
4941 METERED GOOD	MONTHLY	12	0.0201	0.0201		JUNE		JANUARY	53					
0.0147	0.0157	0.0163	0.0176	0.0222	0.0327	0.0275	0.0193	0.0205	0.0169					
									0.0168					
									0.0193					
ADL 45420	ANCHORAGE, MUN. (AMNU)	167803	610913.4	1495145.4	N	SEWARD	012N	003N	6 SE SE 3 8					
WELL #34 / POLLOWSBROOK, ANCHORAGE	CERTIFICATE ISSUED	12	WITHDRAWAL 01			GROUNDWATER		WATER SUPPLIER						
4941 METERED GOOD	MONTHLY	12	0.3163	0.3163		JUNE		MARCH	53					
0.1265	0.1938	0.0581	0.3191	0.4797	0.4900	0.3231	0.2149	0.2961	0.3758					
									0.4822					
									0.4347					
ADL 45780	ALASKA ELECTRIC LIGHT & POWER COMPANY	124871	582031.3	1342401.3	N	COPPER RIVER	041S	067E	2 NE SE 13 30					
SALMON CREEK/LOWER SALMON CREEK POWERHSE	CERTIFICATE REVIEWED	32	WITHDRAWAL 01			SURFACE WATER		HYDROELECTRIC POWER						
4912 METERED FAIR	MONTHLY	12	4.2476	4.2476		SEPTEMBER		JANUARY	62					
1.3939	3.4049	3.9802	5.4806	4.1824	3.6806	4.6294	5.4766	5.7859	4.9471					
									4.9997					
									2.7509					
ADL 46034	DILLINGHAM CITY	125481	590144.7	1582644.3	N	SEWARD	013S	052N	21 NW NE 1 1					
WELLS 1,2 & 3 / CITY OF DILLINGHAM	CERTIFICATE ISSUED	12	WITHDRAWAL 01			GROUNDWATER		WATER SUPPLIER						
4941 METERED FAIR	MONTHLY	12	0.0962	0.0962		JUNE		NOVEMBER	42					
0.0911	0.1133	0.1070	0.1134	0.1628	0.1776	0.1606	0.0782	0.0748	0.0976					
									0.0721					
									0.0824					
ADL 46360	VALDEZ CITY	127957	610807.9	1462141.6	N	COPPER RIVER	008S	006N	31 SE NE 17 61					
HANAGITA WELL #1 / CITY OF VALDEZ	PERMIT ISSUED	11	WITHDRAWAL 01			GROUNDWATER		WATER SUPPLIER						
4941 METERED GOOD	MONTHLY	8	0.2628	0.1742		APRIL		JULY	54					
0.2684	0.2684	0.2684	0.4810	0.0000	0.0585	0.0585	0.4191	0.2813	0.0000					
									0.0000					
									0.0000					
ADL 46360	VALDEZ, CITY	127957	610807.9	1462141.6	N	COPPER RIVER	008S	006N	31 SE NE 17 61					
HANAGITA WELL #3 / CITY OF VALDEZ	PERMIT ISSUED	11	WITHDRAWAL 03			GROUNDWATER		WATER SUPPLIER						
4941 METERED GOOD	MONTHLY	12	0.3716	0.3716		OCTOBER		JULY	54					
0.3385	0.3385	0.3385	0.2019	0.6782	0.0377	0.0377	0.3705	0.4587	0.8820					
									0.6997					
									0.7278					
ADL 46364	SCAMMON BAY, CITY	127365	615026	1453454.4	N	SEWARD	020N	090N	10 SE NW 52 53					
HILL STREAM / CITY OF SCAMMON BAY	CERTIFICATE ISSUED	12	WITHDRAWAL 01			SURFACE WATER		WATER SUPPLIER						
4941 METERED GOOD	MONTHLY	12	0.0005	0.0005		JULY		APRIL	36					
0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005					
									0.0005					
ADL 48794	KETCHIKAN CITY	126297	552136.1	1313707.3	N	COPPER RIVER	075S	091E	17 SE SW 52 3					
KETCHIKAN LAKE / KETCHIKAN, CITY	CERTIFICATE ISSUED	12	WITHDRAWAL 01			SURFACE WATER		WATER SUPPLIER						
4941 METERED FAIR	MONTHLY	12	3.7313	3.7313		FEBRUARY		JUNE	64					
5.0192	5.3016	4.7314	2.9955	2.9041	2.8323	3.4420	4.6517	3.4827	2.8877					
									3.1867					
									3.3739					

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS														
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	TOWN	RNGE	SEC	00	0	00	00	00	00	00
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEG	TYPE	MMUDS								
SIC	RECORDS	ACCURACY	PERIOD	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH	HYD					
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
ADL 48795	KETCHIKAN CITY	126297	552210.6	1314123.2 W	COPPER RIVER	0755	090E	14	3W	NE	38	56		
4941	METERED FAIR	MONTHLY	12	365	CERTIFICATE ISSUED	12	WITHDRAMAL	01	SURFACE WATER					
1.0187	1.2237	1.2758	1.2388	1.2673	1.2755	1.2592	1.2592	1.2592	AUGUST	JANUARY	1.2662	1.2668		
ADL 50906	ANCHORAGE, MUN. (AKKU)	167803	611305.6	1494500.1 W	SEWARD	013N	003W	14	SE	NE	11	45		
WELL #20 / ANCHORAGE		CERTIFICATE ISSUED	12	365	GROUNDWATER		WATER SUPPLIER							
4941	METERED GOOD	MONTHLY	12	365	CERTIFICATE ISSUED	12	WITHDRAMAL	01	GROUNDWATER					
0.1160	0.1503	0.2253	0.2506	0.2656	0.1988	0.1144	0.2017	0.2017	NOVEMBER	JULY	0.3014	0.1647		
ADL 50907	ANCHORAGE, MUN. (AKKU)	167803	610834.6	1495549.8 W	SEWARD	012N	004W	11	NW	SE	30	28		
WELL #40 / DIAMOND HIGH SCHOOL, ANCHORAGE		CERTIFICATE ISSUED	12	365	GROUNDWATER		WATER SUPPLIER							
4941	METERED GOOD	MONTHLY	12	365	CERTIFICATE ISSUED	12	WITHDRAMAL	01	GROUNDWATER					
0.5606	0.3825	0.5268	0.3787	0.7154	0.7269	0.6234	0.6053	0.6053	JUNE	APRIL	0.6454	0.6337		
ADL 50908	ANCHORAGE, MUN. (AKKU)	167803	610745.1	1495618.0 W	SEWARD	012N	004W	14	NE	SW	51	32		
WELL #37 / CAMPBELL LAKE, ANCHORAGE		CERTIFICATE ISSUED	12	184	GROUNDWATER		WATER SUPPLIER							
4941	METERED GOOD	MONTHLY	6	184	CERTIFICATE ISSUED	6	WITHDRAMAL	01	GROUNDWATER					
0.0000	0.0000	0.0000	0.0000	0.0000	0.1170	0.1305	0.0215	0.0215	JULY	NOVEMBER	0.0004	0.0044		
ADL 50909	ANCHORAGE, MUN. (AKKU)	167803	611027.4	1495017.2 W	SEWARD	013N	003W	32	SE	NE	7	42		
WELL #27 / ANCHORAGE		CERTIFICATE ISSUED	12	365	GROUNDWATER		WATER SUPPLIER							
4941	METERED GOOD	MONTHLY	12	365	CERTIFICATE ISSUED	12	WITHDRAMAL	01	GROUNDWATER					
0.0746	0.0816	0.0830	0.0762	0.0653	0.0650	0.1050	0.0799	0.0799	JULY	NOVEMBER	0.0869	0.0796		
ADL 50911	ANCHORAGE, MUN. (AKKU)	167803	610700.4	1495257.2 W	SEWARD	012N	003W	19	SE	NW	57	43		
WELL #33 / PESA VERDE, ANCHORAGE		CERTIFICATE ISSUED	12	273	GROUNDWATER		WATER SUPPLIER							
4941	METERED GOOD	MONTHLY	9	273	CERTIFICATE ISSUED	9	WITHDRAMAL	01	GROUNDWATER					
0.0363	0.0364	0.0323	0.0332	0.2949	0.0257	0.0276	0.0436	0.0436	PAY	SEPTEMBER	0.0000	0.0000		
ADL 50923	ANCHORAGE, MUN. (AKKU)	167803	610610.4	1495045.1 W	SEWARD	012N	003W	29	NW	SE	39	46		
WELL #32 / STATE MANOR, ANCHORAGE		PERMIT ISSUED	11	365	GROUNDWATER		WATER SUPPLIER							
4941	METERED GOOD	MONTHLY	12	365	CERTIFICATE ISSUED	12	WITHDRAMAL	01	GROUNDWATER					
0.0875	0.0875	0.1019	0.2936	0.3176	0.4187	0.3576	0.2964	0.2964	JUNE	FEBRUARY	0.3988	0.4135		
ADL 50924	ANCHORAGE, MUN. (AKKU)	167803	610924.5	1495719.0 W	SEWARD	012N	004W	3	NE	SE	16	25		
WELL #41 / IOAN & COUNTRY, ANCHORAGE		CERTIFICATE ISSUED	12	365	GROUNDWATER		WATER SUPPLIER							
4941	METERED GOOD	MONTHLY	12	365	CERTIFICATE ISSUED	12	WITHDRAMAL	01	GROUNDWATER					
0.1279	0.1345	0.1330	0.1345	0.2053	0.2308	0.1863	0.1638	0.1638	JUNE	JANUARY	0.1774	0.1298		
ADL 50926	ANCHORAGE, MUN. (AKKU)	167803	611041.7	1495029.3 W	SEWARD	013N	003W	32	NE	NE	16	64		
WELL #26 / WICKERSHAM PARK, ANCHORAGE		CERTIFICATE ISSUED	12	273	GROUNDWATER		WATER SUPPLIER							
4941	METERED GOOD	MONTHLY	9	273	CERTIFICATE ISSUED	9	WITHDRAMAL	01	GROUNDWATER					
0.0360	0.0311	0.0292	0.0201	0.0701	0.1093	0.0000	0.0354	0.0354	JUNE	OCTOBER	0.0628	0.0341		

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS												
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	00	0	ON	CH
SOURCE / DESTINATION		STATUS DESCRIPTION	CODE	WITHCODE	SEQ	TYPE	MMDS					
SIC RECORDS		ACCURACY PERIOD	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH					
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	HYD
ADL 50927	ANCHORAGE, MUN. (AKNU)	167803	611035.9	1495432.9 W	SEWARD	013N	004N	76	SW NE	37	55	
WELL #42 / WINDERMERE, ANCHORAGE	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER							
4941 METERED GOOD	365		0.5630	0.5630	JUNE							
0.4953	0.5253	0.4926	0.5174	0.5557	0.6036	0.5938	0.6030	0.6035	0.6017	0.5913	0.5712	
ADL 51573	ANCHORAGE, MUN. (AKNU)	167803	611907	1493216.8 W	SEWARD	014N	002N	12	SE NE	14	41	
AKNU / EAGLE RIVER HEIGHTS NORTH	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER							
4941 METERED FAIR	365		0.1069	0.1069	JUNE							
0.1706	0.1509	0.1649	0.1589	0.2209	0.2349	0.0335	0.0091	0.0153	0.0354	0.0671	0.0273	
ADL 52035	MAINES CITY	125925	591218.7	1352328.8 W	COPPER RIVER	031S	059E	12	NE NE	14	67	
LILY LAKE / MAINES CITY	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER							
4941 METERED FAIR	365		0.0175	0.0175	JULY							
0.1501	0.1631	0.1602	0.1667	0.1774	0.2089	0.2362	0.2062	0.1943	0.1842	0.1802	0.1660	
ADL 52342	SOLDOTNA CITY	127502	594235.9	1510054.5 W	SEWARD	005S	010W	29	SW SE	32	12	
SOLOOTNA CITY	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER							
4941 METERED GOOD	153		0.0148	0.0062	APRIL							
0.0000	0.0000	0.0000	0.0317	0.0294	0.0114	0.0009	0.0000	0.0000	0.0000	0.0000	0.0007	
ADL 52514	ANCHORAGE, MUN. (AKNU)	167803	611852	1493223.6 W	SEWARD	014N	002N	12	SE SE	9	12	
AKNU / EAGLE RIVER HEIGHTS	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER							
4941 METERED FAIR	365		0.0096	0.0096	JUNE							
0.0036	0.0074	0.0072	0.0080	0.0117	0.0171	0.0132	0.0094	0.0091	0.0091	0.0091	0.0084	
ADL 53282	KENAI CITY	126275	603358.6	1510916.4 W	SEWARD	006N	011N	35	NW SE	31	12	
WELL #1 / CITY OF KENAI	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER							
4941 ESTIMATED FAIR	365		0.3577	0.3577	APRIL							
0.2498	0.2781	0.3673	0.7067	0.6003	0.3386	0.3476	0.2852	0.3487	0.2543	0.2369	0.2582	
ADL 53282	KENAI, CITY	126275	603400.5	1510709.8 W	SEWARD	006N	011N	36	NE SE	15	25	
WELL #2 / CITY OF KENAI	CERTIFICATE ISSUED	12		WITHDRAWAL 02	GROUNDWATER							
4941 ESTIMATED FAIR	365		0.5234	0.5234	APRIL							
0.3622	0.4546	0.5446	1.0349	0.4720	0.5031	0.5554	0.5183	0.6482	0.3811	0.4688	0.3955	
ADL 53536	MAINES CITY	125925	591453	1352830.5 W	COPPER RIVER	030S	059E	28	NW NE	12	64	
WAINES CITY	CERTIFICATE ISSUED	12		WITHDRAWAL 01	SURFACE WATER							
4941 ESTIMATED FAIR	365		0.0044	0.0044	JUNE							
0.0006	0.0007	0.0006	0.0042	0.0040	0.0067	0.0065	0.0065	0.0067	0.0065	0.0050	0.0048	
ADL 53813	FAIRBANKS MUNICIPAL UTILITY SYSTEM	114790	645051.1	1474412.2 W	FAIRBANKS	001S	001N	10	NW NW	67	70	
FAIRBANKS, MUN	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER							
4941 METERED FAIR	365		3.1680	3.1680	JUNE							
3.1680	3.1680	3.1680	3.1680	3.1680	3.1680	3.1680	3.1680	3.1680	3.1680	3.1680	3.1680	

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS												
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	00	0	CM	CH
SOURCE / DESTINATION		STATUS DESCRIPTION		CODE	WITHCODE	SEQ	NWUDS					
SIC	RECORDS	ACCURACY	PERIOD	DAYS	DAILY AVG	YEARLY AVG	MAX.	MONTH	MIN.	MONTH	MYO	
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
ADL 53813	FAIRBANKS MUNICIPAL UTILITY SYSTEM	114790	645052.4	1474403.0 W	FAIRBANKS	0015	001M	10	NW	NW	61	72
4941	FAIRBANKS, MUN.	CERTIFICATE ISSUED	12	WITHDRAWAL 02	GROUNDWATER		WATER SUPPLIER					
	PETERED	1	30	3.7584	0.3089	0.0000	APRIL				34	
	0.0000	0.0000	3.7584	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
ADL 53813	FAIRBANKS MUNICIPAL UTILITY SYSTEM	114790	645051.8	1474355.3 W	FAIRBANKS	0015	001M	10	NE	NW	56	71
4941	FAIRBANKS, MUN.	CERTIFICATE ISSUED	12	WITHDRAWAL 03	GROUNDWATER		WATER SUPPLIER					
	PETERED	12	365	2.4480	2.4480	2.4480	JUNE				34	
	2.4480	2.4480	2.4480	2.4480	2.4480	2.4480	2.4480	2.4480	2.4480	2.4480	2.4480	
ADL 54850	ANCHORAGE, MUN. (AMNU)	167803	611030.7	1494315.1 W	SEWARD	013N	003M	36	SE	NE	13	47
4941	WELL #10A / ANCHORAGE	CERTIFICATE ISSUED	12	WITHDRAWAL 01	GROUNDWATER		WATER SUPPLIER					
	PETERED	12	365	1.5897	1.5897	0.9674	MAY				53	
	1.8381	2.0214	1.9085	1.9035	2.0273	1.8291	1.2608	1.0879	0.9674	0.9650	1.7949	
	0.0000	0.0034	0.0041	0.4006	2.1276	1.4523	0.6034	0.6034	0.6308	0.4775	0.5640	1.1551
ADL 54850	ANCHORAGE, MUN. (AMNU)	167803	611030.7	1494315.1 W	SEWARD	013N	003M	36	SE	NE	13	47
4941	WELL #118 / ANCHORAGE	CERTIFICATE ISSUED	12	WITHDRAWAL 02	GROUNDWATER		WATER SUPPLIER					
	PETERED	11	337	0.7670	0.7670	0.6308	JUNE				53	
	1.7286	0.0000	0.0034	0.0041	0.4006	2.1276	0.8308	0.6034	0.6308	0.4775	0.5640	1.1551
ADL 54851	ANCHORAGE, MUN. (AMNU)	167803	611324.5	1493737.4 W	SEWARD	013N	002M	16	NE	NE	2	74
4941	SHIP CREEK / WATER TREATMENT PLANT	CERTIFICATE ISSUED	12	WITHDRAWAL 01	GROUNDWATER		WATER SUPPLIER					
	PETERED	12	365	12.4062	12.4062	13.1451	JUNE				53	
	9.0076	10.0150	10.4144	9.2817	11.1187	16.3759	15.7631	14.2055	13.1451	12.9402	12.7512	13.1063
ADL 57850	HOHEM, CITY	126046	594040.3	1513413.3 W	SEWARD	006S	013M	7	NE	NE	78	74
4941	BRIDGE CREEK DAM / CITY OF HOHEM	CERTIFICATE ISSUED	12	WITHDRAWAL 01	SURFACE WATER		WATER SUPPLIER					
	PETERED	12	365	0.2984	0.2984	0.3734	AUGUST				58	
	0.2728	0.2509	0.2291	0.2655	0.2847	0.3633	0.3700	0.3779	0.3734	0.2798	0.2667	0.2439
ADL 57850	HOHEM, CITY	126046	594040.3	1513413.3 W	SEWARD	006S	013M	7	NE	NE	78	74
4941	BRIDGE CREEK DAM / CANNERIES	CERTIFICATE ISSUED	12	WITHDRAWAL 02	SURFACE WATER		WATER SUPPLIER					
	PETERED	12	365	0.0375	0.0375	0.0739	AUGUST				58	
	0.0170	0.0324	0.0206	0.0151	0.0422	0.0445	0.1254	0.1254	0.0739	0.0152	0.0083	0.0055
ADL 62222	ANCHORAGE, MUN. (AMNU)	167803	611117.6	1494242.9 W	SEWARD	013N	002M	30	NW	SW	69	39
4941	WELL #25 / ANCHORAGE	CERTIFICATE ISSUED	12	WITHDRAWAL 01	GROUNDWATER		WATER SUPPLIER					
	PETERED	12	365	0.5541	0.5541	0.5766	JUNE				53	
	0.4942	0.5676	0.5142	0.4654	0.5824	0.7340	0.5683	0.5637	0.5766	0.5479	0.5465	0.4929
ADL 62233	LACEN, NM. S. DBA TRIUNF SEAFODS CORP.	114842	540815.2	1654708.4 W	SEWARD	070S	112M	10	NE	NE	9	74
2091	UNLAD. STREAM / TRIUNF SEAFODS CORP.	PERMIT ISSUED	11	WITHDRAWAL 01	SURFACE WATER		WATER SUPPLIER					
	PETERED	11	337	0.1410	0.1410	0.1425	MAY				43	
	0.1572	0.1921	0.1833	0.1976	0.1118	0.1634	0.1294	0.1294	0.1425	0.1071	0.0587	0.1205

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS														
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SECT	CH	CH	CH	CH	CH	CH
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEQ	TYPE	MMDS								
SIC RECORDS	ACCURACY PERIOD	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MIN. MONTH	MAX. MONTH	HYD						
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
ADL 62346	CRAIG, CTY	125158	552813.7	1330739.1 W	COPPER RIVER 0745	081E	8 SE NE 24 54							
4941	METERED GOOD	CERTIFICATE ISSUED	12	0.2278	0.2278	0.2278	0.2278	0.2278	0.2278	0.2278	0.2278	0.2278	0.2278	0.2278
0.3645	0.3159	0.2317	0.2137	0.2126	0.2235	0.2149	0.2235	0.2235	0.2235	0.2235	0.2235	0.2235	0.2235	0.2235
ADL 63855	ANCHORAGE, MUN. (AKNU)	167803	610851.5	1494818.2 W	SEWARD	012N	003W	9 SE NE 9 54						
WELL #28 / WINCHESTER HEIGHTS	PERMIT ISSUED	11	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379
4941	METERED GOOD	CERTIFICATE ISSUED	12	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450
0.0568	0.0205	0.0214	0.0248	0.0248	0.0248	0.0248	0.0248	0.0248	0.0248	0.0248	0.0248	0.0248	0.0248	0.0248
ADL 65444	ANCHORAGE, MUN. (AKNU)	167803	610840.5	1495331.6 W	SEWARD	012N	003W	12 NE SE 7 37						
WELL #36 / QUEENSCATE, ANCHORAGE	CERTIFICATE ISSUED	12	0.1463	0.1463	0.1463	0.1463	0.1463	0.1463	0.1463	0.1463	0.1463	0.1463	0.1463	0.1463
4941	METERED GOOD	CERTIFICATE ISSUED	9	0.1735	0.1735	0.1735	0.1735	0.1735	0.1735	0.1735	0.1735	0.1735	0.1735	0.1735
0.0000	0.0000	0.0000	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123
ADL 65787	ANCHORAGE, MUN. (AKNU)	167803	611108.6	1495228.1 W	SEWARD	013N	003W	30 NW SE 24 25						
WELL #7 / ANCHORAGE	CERTIFICATE ISSUED	12	0.8448	0.8448	0.8448	0.8448	0.8448	0.8448	0.8448	0.8448	0.8448	0.8448	0.8448	0.8448
4941	METERED GOOD	CERTIFICATE ISSUED	12	1.3460	0.8259	0.7190	0.8259	0.8259	0.8259	0.8259	0.8259	0.8259	0.8259	0.8259
1.4325	1.1464	1.3925	1.2352	1.3460	0.8259	0.7190	0.8259	0.8259	0.8259	0.8259	0.8259	0.8259	0.8259	0.8259
ADL 66117	SONIO	126848	701720.3	1484249.0 W	UNIAT	011N	013E	24 SW SE 24 17						
816 LAKE / SONIO	CERTIFICATE ISSUED	12	0.1218	0.1218	0.1218	0.1218	0.1218	0.1218	0.1218	0.1218	0.1218	0.1218	0.1218	0.1218
1311	METERED EXCELLENT MONTHLY	12	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225
0.2127	0.2053	0.2300	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225
ADL 67133	MUSLIA, CTY	126089	654212.1	1562256.5 W	KATEEL	004N	012E	33 NE SW 36 32						
MAIN WELL / MUSLIA, CTY	CERTIFICATE ISSUED	12	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072
4941	METERED FAIR	CERTIFICATE ISSUED	12	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
0.0068	0.0064	0.0064	0.0072	0.0073	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068
ADL 67201	ANCHORAGE, MUN. (AKNU)	167803	611344.5	1494303.0 W	SEWARD	013N	003W	12 NE SE 4 25						
WELL #9 / ANCHORAGE	CERTIFICATE ISSUED	12	0.9088	0.9088	0.9088	0.9088	0.9088	0.9088	0.9088	0.9088	0.9088	0.9088	0.9088	0.9088
4941	METERED GOOD	CERTIFICATE ISSUED	11	0.9136	0.0016	0.0000	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
2.3149	1.9285	2.3062	2.2399	0.9136	0.0016	0.0000	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
ADL 73658	ANCHORAGE, MUN. (AKNU)	167803	610554.4	1494926.3 W	SEWARD	012N	003W	28 NE SW 60 22						
WELL #30 / TURNAGAIN VIEW, ANCHORAGE	CERTIFICATE ISSUED	12	0.1213	0.1213	0.1213	0.1213	0.1213	0.1213	0.1213	0.1213	0.1213	0.1213	0.1213	0.1213
4941	METERED GOOD	CERTIFICATE ISSUED	12	0.1739	0.1739	0.1739	0.1739	0.1739	0.1739	0.1739	0.1739	0.1739	0.1739	0.1739
0.1709	0.1922	0.1908	0.1739	0.1752	0.1930	0.1445	0.1739	0.1752	0.1930	0.1445	0.1739	0.1752	0.1930	0.1445
ADL 74176	NORTH WOODS, INC.	115001	612509.6	1492736.1 W	SEWARD	015N	001W	4 NW SE 33 39						
NORTH WOODS SUBDIVISION	PERMIT ISSUED	11	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318
4941	METERED FAIR	CERTIFICATE ISSUED	12	0.0296	0.0296	0.0296	0.0296	0.0296	0.0296	0.0296	0.0296	0.0296	0.0296	0.0296
0.0296	0.0336	0.0292	0.0271	0.0284	0.0330	0.0388	0.0271	0.0284	0.0330	0.0388	0.0271	0.0284	0.0330	0.0388

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS														
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TDMN	RNGE	SEC	00	0	CM	CM	CM	CM
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITCODE	SEP	TYPE	NRUDS								
SIC	RECORDS	ACCURACY	PERIOD	PONTHS	DAYS	DAILY AVG	YEARLY AVG							
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
ADL 74699	SETTLERS BAY PROPERTIES, INC.	127403	613104.5	1493656.3	N	SEWARD	017N	002M	34	NE	3M	48	25	
WELL / CONDOES	PERMIT ISSUED	11	WITHDRAWAL 01			GROUNDWATER								
4991	METERED	GOOD	MONTHLY	12	365	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	52
0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0002	0.0001							
ADL 74700	SETTLERS BAY PROPERTIES, INC.	127403	613023.3	1493644.9	N	SEWARD	016N	002M	31	SE	NW	41	42	
WELL#1 / GOLF COURSES & RESIDENCES	PERMIT ISSUED	11	WITHDRAWAL 01			GROUNDWATER								
4991	METERED	GOOD	MONTHLY	12	361	0.0047	0.0048	0.0036	0.0035	0.0036	0.0036	0.0036	0.0036	52
0.0064	0.0049	0.0066	0.0068	0.0068	0.0075	0.0077	0.0066							
ADL 74856	SHAGELUXCTY	127412	622601.5	1592128.0	N	SEWARD	027N	054M	18	SE	SE	30	59	
CITY OF SHAGELUX, CROSS REF, LAS 4670	ACTIVE DATA POINT	10	WITHDRAWAL 01			GROUNDWATER								
4991	METERED	FAIR	MONTHLY	2	59	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	36
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
ADL 75895	ELIK, CITY	125579	645551	1610408.5	N	KATEEL	0063	012M	31	NE	NE	11	70	
ELIK, CITY	CERTIFICATE ISSUED	12	WITHDRAWAL 01			GROUNDWATER								
4991	METERED	GOOD	MONTHLY	12	365	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	22
0.0101	0.0148	0.0114	0.0112	0.0106	0.0096	0.0160	0.0121							
ADL 75901	SHISHMAKEF, CITY	127428	661516.1	1660336.4	N	KATEEL	010N	035M	24	SW	NW	76	47	
LAKE / CITY OF SHISHMAKEF	CERTIFICATE ISSUED	8	WITHDRAWAL 01			SURFACE WATER								
4991	METERED	FAIR	MONTHLY	8	242	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	21
0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006							
ADL 75901	SHISHMAKEF, CITY	127428	661516.1	1660336.4	N	KATEEL	010N	035M	24	SW	NW	76	47	
LAKE / CITY OF SHISHMAKEF	CERTIFICATE ISSUED	6	WITHDRAWAL 01			SURFACE WATER								
4991	METERED	FAIR	MONTHLY	6	184	0.0017	0.0017	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	21
0.0023	0.0023	0.0020	0.0024	0.0020	0.0025	0.0069	0.0069							
ADL 75901	SHISHMAKEF, CITY	127428	661516.1	1660336.4	N	KATEEL	010N	035M	24	SW	NW	76	47	
LAKE / CITY OF SHISHMAKEF	CERTIFICATE ISSUED	12	WITHDRAWAL 02			SURFACE WATER								
4991	METERED	FAIR	MONTHLY	12	365	0.0032	0.0032	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	21
0.0023	0.0023	0.0020	0.0024	0.0020	0.0025	0.0069	0.0069							
ADL 75902	ADORVIAK, CITY	126422	645001.4	1610213.9	N	KATEEL	017N	011M	34	NW	NE	17	59	
KOBUK RIVER / CITY OF ADORVIAK	CERTIFICATE ISSUED	12	WITHDRAWAL 01			SURFACE WATER								
4991	METERED	GOOD	MONTHLY	12	364	0.0060	0.0059	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	13
0.0064	0.0053	0.0056	0.0061	0.0061	0.0063	0.0069	0.0062							
ADL 75908	GRAYLING, CITY	125469	625435.6	1600459.8	N	SEWARD	033N	057M	34	NW	SE	72	57	
GRAYLING, CITY	APPLICATION ACCEPTED	10	WITHDRAWAL 01			SURFACE WATER								
4991	METERED	GOOD	MONTHLY	12	365	0.0134	0.0136	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	36
0.0031	0.0045	0.0042	0.0047	0.0045	0.0043	0.0038	0.0241							

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS															
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	CO	Q	CM	CH			
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEO	TYPE	NKUUS									
SIC	RECORDS	ACCURACY PERIOD	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH							
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER				
AOL 75908	GRAYLING, CITY	125869	625436.9	1600459.9	N	SEWARD	033N	037W	34	NW	SE	72	59		
4981	PETERED	GOOD	MONTHLY	APPLICATION ACCEPTED	10	WITHDRAWAL	02	SURFACE WATER							
0.0023	0.0131	0.0187	0.0107	0.0022	0.0037	0.0031	0.0040	MARCH	0.0031	0.0031	0.0044	0.0050	36		
AOL 75979	SOMIO	107377	701954.5	1485708.5	N	UMIAT	011N	013E	6	SW	SW	70	15		
KUPARUK RIVER / RESERVOIR	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01	SURFACE WATER									
1311	PETERED	EXCELLENT MONTHLY	12	365	0.0437	0.0037	0.0187	AUGUST	0.0552	0.0552	0.0552	0.0552	11		
0.0226	0.0483	0.0712	0.0540	0.0540	0.0187	0.0187	0.0187	MARCH	0.0187	0.0552	0.0552	0.0552	44		
AOL 76070	SAINT MICHAEL, CITY	127559	632730	1620455.1	N	KATEEL	023S	018W	34	NW	NE	31	70		
LAKE / MAIN WELL	APPLICATION ACCEPTED	10	304	WITHDRAWAL	01	SURFACE WATER									
4981	PETERED	FAIR	MONTHLY	0.0002	0.0002	0.0002	0.0002	NOVEMBER	0.0002	0.0002	0.0002	0.0002	44		
0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	JANUARY	0.0002	0.0002	0.0002	0.0002	44		
AOL 76071	TATITLEK, VIL	127661	605152.6	1463821.8	N	COPPER RIVER	011S	008W	33	SE	SE	0	0		
TATITLEK, VIL	CLOSED	12	365	WITHDRAWAL	01	SURFACE WATER									
4981	PETERED	FAIR	MONTHLY	0.0002	0.0001	0.0001	0.0001	MARCH	0.0002	0.0002	0.0001	0.0001	34		
0.0002	0.0001	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	JUNE	0.0002	0.0002	0.0001	0.0001	54		
AOL 78075	UNION OIL COMPANY OF CA.	127892	604107.4	1512243.7	N	SEWARD	007N	012W	21	SE	NE	3	52		
UNION OIL, NON-PUBLIC SUPPLIER	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01	GROUNDWATER									
2873	PETERED	GOOD	MONTHLY	0.5281	0.5281	0.5281	0.7009	OCTOBER	0.4472	0.3773	0.4167	0.4447	54		
0.4229	0.3785	0.5186	0.6192	0.6035	0.7679	0.7679	0.7009	JULY	0.4472	0.3773	0.4167	0.4447	54		
AOL 80311	DIV. ADM. CONTR. & FAC.	124286	611438.6	1494249.5	N	SEWARD	013N	002W	6	NW	SW	73	28		
8 WELLS, 24-44" DEEP / FISH HATCHERY	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01	GROUNDWATER									
921	PETERED	FAIR	MONTHLY	0.5281	0.5281	0.5281	0.7009	DECEMBER	0.4472	0.3773	0.4167	0.4447	54		
1.7280	1.7280	1.7280	1.7280	1.7280	2.5920	2.5920	2.5920	AUGUST	2.5920	1.7280	0.7420	0.7920	53		
AOL 100066	JUNEAU CITY & BOROUGH	126204	581831	1342340.1	N	COPPER RIVER	041S	067E	13	SW	SW	76	5		
JUNEAU, C & B	PERMIT ISSUED	11	365	WITHDRAWAL	01	GROUNDWATER									
4981	PETERED	GOOD	MONTHLY	2.1515	2.1515	2.1515	2.1515	MARCH	2.6090	2.2386	1.3611	2.3029	62		
2.1941	2.2676	2.6872	2.2499	2.0651	2.1385	1.5496	2.1540	JUNE	2.6090	2.2386	1.3611	2.3029	62		
AOL 100411	KASIAAN, CITY	126230	533231.6	1322348.1	N	COPPER RIVER	073S	086E	18	SW	NE	31	51		
LINKUP CREEK DAM / KASIAAN	CLOSED	11	334	WITHDRAWAL	01	SURFACE WATER									
4981	PETERED	FAIR	MONTHLY	0.0062	0.0068	0.0068	0.0070	JANUARY	0.0037	0.0027	0.0039	0.0039	67		
0.0116	0.0129	0.0060	0.0063	0.0062	0.0077	0.0070	0.0070	JUNE	0.0037	0.0027	0.0039	0.0039	67		
AOL 202339	VALLI VUE ESTATES SUBDIVISION	127962	610732.7	1494521.9	N	SEWARD	012N	003W	14	SW	SE	38	13		
101" WELL / VALLI VUE SUBDIVISION	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01	GROUNDWATER									
4981	PETERED	FAIR	MONTHLY	0.0578	0.0578	0.0578	0.0578	MARCH	0.0477	0.0459	0.0423	0.0423	53		
0.0310	0.0639	0.0322	0.0369	0.0692	0.1029	0.0798	0.0364	JUNE	0.0477	0.0459	0.0423	0.0423	53		

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS																			
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	ANGE	SEC	00	0	ON	CM							
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WTHCODE	SEP	TYPE														
SIC	RECORDS	ACCURACY	PERIOD	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER						
ADL 201324	PALMER CITY	127015	613627.3	1490848.0 N	SEWARD	018N	0022	31	SE	NE	2	42							
WELLS 1, 2, & 3 / PALMER, CITY	CERTIFICATE ISSUED	12	365	WITHDRAWAL 01	GROUNDWATER														
4901	METERED FAIR	MONTHLY	0.5541	0.5434	0.5032	0.6397	0.7113	0.6543	0.6543	0.6110	0.5890	0.6135	0.6488						
ADL 201333	ANCHORAGE, MUN. (ANNU)	167803	610923.2	1495250.0 N	SEWARD	012N	003M	6	NE	SW	31	23							
WELL #35A / ALAGCU, ANCHORAGE	APPLICATION ACCEPTED	10	365	WITHDRAWAL 01	GROUNDWATER														
4901	METERED GOOD	MONTHLY	0.4368	0.4763	0.3860	0.7615	1.0259	0.9238	0.9238	0.8419	0.6560	0.4724	0.5456						
ADL 201803	SAND POINT, CITY	127351	552029.3	1602901.1 N	SEWARD	036S	073M	9	SW	SW	74	16							
HUNHOLDT CREEK / CITY OF SAND POINT	CERTIFICATE ISSUED	12	365	WITHDRAWAL 01	SURFACE WATER														
4901	METERED GOOD	MONTHLY	0.2500	0.1835	0.1937	0.1886	0.1650	0.1997	0.1955	0.1974	0.1876	0.1946	0.1750						
ADL 201881	ANCHORAGE, MUN. (ANNU)	167803	611936.1	1493051.1 N	SEWARD	014N	002M	2	SW	SE	38	4							
SMIP CREEK / EAGLE GLEN WEST	PERMIT ISSUED	11	306	WITHDRAWAL 01	GROUNDWATER														
4901	METERED GOOD	MONTHLY	0.0000	0.0000	0.0036	0.0087	0.0005	0.0077	0.0096	0.0099	0.0101	0.0092	0.0087						
ADL 201920	ANCHORAGE, MUN. (ANNU)	167803	610822.3	1494703.8 N	SEWARD	012N	003M	10	SW	SE	34	9							
WELL #29 / SERVICE HANSHAM HIGH SCHOOL	PERMIT ISSUED	12	365	WITHDRAWAL 01	GROUNDWATER														
4901	METERED GOOD	MONTHLY	0.0069	0.0056	0.0051	0.0053	0.0078	0.0061	0.0061	0.0070	0.0078	0.0057	0.0050						
ADL 201921	ANCHORAGE, MUN. (ANNU)	167803	610741.4	1495151.8 N	SEWARD	012N	003M	18	NE	SE	8	27							
WELL #30 / SPENARD BUILDERS, ANCHORAGE	CERTIFICATE ISSUED	12	365	WITHDRAWAL 01	GROUNDWATER														
4901	METERED GOOD	MONTHLY	0.6069	0.7233	0.7097	0.7080	0.7144	0.7075	0.7075	0.6874	0.7126	0.7160	0.7037						
ADL 202708	ANCHORAGE, MUN. (ANNU)	167803	611926.5	14930416.7 N	SEWARD	014N	002M	11	NE	NE	14	71							
ANANNU / EAGLE RIVER REGIONAL PARK	PERMIT ISSUED	11	0	WITHDRAWAL 01	GROUNDWATER														
4901	METERED GOOD	MONTHLY	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
ADL 202733	ANCHORAGE, MUN. (ANNU)	167803	610619.7	1495307.1 N	SEWARD	012N	000M	12	SW	SW	72	5							
WELL #39 / CUMMINS-NORTHWOOD, ANCHORAGE	CERTIFICATE ISSUED	12	243	WITHDRAWAL 01	GROUNDWATER														
4901	METERED GOOD	MONTHLY	0.1388	0.1168	0.1031	0.2222	0.2722	0.1906	0.1038	0.0000	0.0000	0.0000	0.0000						
ADL 202909	HILLSIDE PARK HOMEOWNER'S ASSOCIATION	163707	610720.1	1490848.3 N	SEWARD	012N	003M	14	SE	SE	10	4							
WELL #23 / HILLSIDE PARK SUBDIVISION	PERMIT ISSUED	12	365	WITHDRAWAL 01	GROUNDWATER														
4901	METERED FAIR	MONTHLY	0.0007	0.0041	0.0103	0.0109	0.0156	0.0181	0.0112	0.0182	0.0124	0.0110	0.0110						

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS													
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	00	6	CH	CM	
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEG	TYPE						MNUDS		
SIC	RECORDS	ACCURACY	PERIOD	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
JANUARY	FEBRUARY												
ADL 202997	ANCHORAGE, MUN. (AMNU)	167803	611103.4	1495255.0 W	SEWARD	013N	003N	30	SE	SW	44	17	
WELL #12 / ANCHORAGE	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	12	365								
0.9129	1.3028	1.1597	1.0867	1.3024	0.7358	0.7972	0.7995	0.4737	0.2726	0.2634	0.2418	1.0367	
ADL 203480	UNION OIL OF CALIF.	106901	604112.6	1512259.6 W	SEWARD	007N	012N	21	SE	NE	15	60	
WELL #4 / UNION OIL OF CALIF.	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER								
2873	METERED	GOOD	MONTHLY	12	324								
0.3882	0.3203	0.3803	0.2925	0.4467	0.2927	0.3169	0.2813	0.2471	0.1134	0.2594	0.2713	0.3595	
ADL 203956	ANCHORAGE, MUN. (AMNU)	167803	610621.5	1494956.0 W	SEWARD	012N	003N	29	NE	NE	4	63	
WELL #31 / PUFFMAN HILLS, ANCHORAGE	APPLICATION ACCEPTED	10		WITHDRAWAL 01	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	12	365								
0.2802	0.2471	0.2471	0.2844	0.5208	0.6805	0.5421	0.4259	0.3208	0.2785	0.2851	0.2238		
ADL 206632	CRESTBROOK WATER ASSOC., INC.	125365	610842.4	1495304.4 W	SEWARD	012N	003N	7	NW	SW	62	40	
WELL / CRESTBROOK WATER ASSOCIATION	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	9	269								
			0.0121	0.0146	0.0155	0.0115	0.0104	0.0108	0.0118	0.0121			
ADL 206780	OTV. ADM. CONTR. & FAC. OFC., DFG	124286	611434.7	1494234.7 W	SEWARD	013N	002N	6	SE	SW	62	22	
10 SHALLOW WELLS / FISH HATCHERY	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER								
921	METERED	FAIR	MONTHLY	12	365								
2.8400	2.5920	2.1600	2.5920	2.5920	2.1600	2.1570	2.1570	2.1600	2.1600	0.7920	0.7920		
ADL 206482	SOLDOTNA CITY	127502	602932.8	1510536.2 W	SEWARD	005N	010N	30	NW	SE	24	23	
SOLDOTNA	CERTIFICATE ISSUED	12		WITHDRAWAL 01	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	12	365								
0.2365	0.2911	0.3209	0.1817	0.0050	0.1714	0.3025	0.2194	0.3725	0.2391	0.2469	0.2927		
ADL 209576	NORFOLK UTILITIES, INC.	126831	611857.8	1493205.3 W	SEWARD	014N	001N	7	NW	SW	73	27	
WELL A / EAGLE RIVER VALLEY RAUCHETTES	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER								
4941	METERED	FAIR	MONTHLY	12	363								
0.1604	0.1659	0.1704	0.1735	0.2637	0.3488	0.2545	0.1839	0.1761	0.1676	0.1662	0.1739		
ADL 209428	SOUTHPARK TERRACE HOMEOWNERS ASSOCIATION	177519	610446.6	1494801.1 W	SEWARD	011N	003N	3	NW	NW	77	77	
WELL / SOUTHPARK TERRACE SUBD.	PERMIT ISSUED	11		WITHDRAWAL 01	SURFACE WATER								
4941	METERED	FAIR	MONTHLY	12	365								
0.0136	0.0189	0.0193	0.0259	0.0246	0.0305	0.0356	0.0208	0.0187	0.0197	0.0190	0.0260		
ADL 209799	VALDEZ, CITY	127957	610752.3	1462251.5 W	SEWARD	008S	006N	31	NW	SW	69	37	
UAK WEST EAGAN / CITY OF VALDEZ	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER								
4941	METERED	GOOD	MONTHLY	12	311								
0.7533	0.7533	0.7533	0.7451	0.7481	0.6856	0.4300	0.6183	0.4935	0.5595	0.5493	0.5684		

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS												
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	00	0	CM	CM
SOURCE / DESTINATION		STATUS DESCRIPTION		CODE	WITHCODE	SEQ	TYPE	MMDDSS				
SIC	RECORDS	ACCURACY	PERIOD	DAYS	MONTHS	DAILY AVG	YEARLY AVG	MAX. MONTH	MINI MONTH	MTD		
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
ADL 209828	ANCHORAGE, MUN. (AKNU)	167803	611848.1	1493202.6	K	SEWARD	014N	001W	7	SW	SW	71 12
AKNU / EAGLECREST	FAIR	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01						
4941	METERED	0.1426	0.1426	0.1435	0.1488	0.0897	0.0897	0.0494	0.0446	0.0589	0.0714	53
0.0862												
ADL 210826	SEWARD, CITY	127408	60633.1	1492711.9	K	SEWARD	001S	001W	9	NW	NE	26 63
MARATHON CREEK	GOOD	PERMIT ISSUED	11	335	WITHDRAWAL	01						
4941	METERED	0.2918	0.0000	0.3577	0.2139	0.3729	0.3423	0.1476	0.1428	0.9323	0.5199	54
0.3635												
ADL 214896	SOLDOTNA, CITY	127502	602854.9	1510524.3	K	SEWARD	005N	010W	31	SE	SW	15 45
SOLDOTNA, CITY	GOOD	PERMIT ISSUED	11	334	WITHDRAWAL	01						
7997	METERED	0.0123	0.0067	0.0018	0.0039	0.0077	0.0071	0.0045	0.0080	0.0082	0.0062	53
0.0162												
ADL 215028	ANCHORAGE, MUN. (AKNU)	167803	611934.7	1493449.8	K	SEWARD	014N	002W	2	SW	SE	37 4
SHIP CREEK / EAGLE GLEN EAST	FAIR	PERMIT ISSUED	11	306	WITHDRAWAL	01						
4941	METERED	0.0030	0.0079	0.0070	0.0230	0.0080	0.0067	0.0061	0.0004	0.0011	0.0100	53
0.0000												
ADL 215411	COOK INLET AQUACULTURE ASSOCIATION	156400	612836.1	1490908.3	K	SEWARD	016N	002E	18	NE	SE	8 37
EKLUTNA LAKE / POWERPLANT TAILRACE	FAIR	PERMIT ISSUED	11	365	WITHDRAWAL	01						
921	METERED	2.5000	2.5000	3.3387	4.5000	3.5342	3.5342	4.5000	4.5000	3.5000	2.5000	53
2.5000												
ADL 400616	NEENANA, CITY	126781	643345.7	1490529.3	K	FAIRBANKS	004S	008W	14	SW	SE	24 11
NEENANA, CITY	GOOD	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01						
4941	METERED	0.0305	0.0278	0.0324	0.0361	0.0342	0.0342	0.0349	0.0295	0.0332	0.0266	34
0.0309												
ADL 400793	ARCUS ALASKA INC.	155174	701936.4	1493741.8	K	UMIAT	011N	010E	9	NW	NW	70 67
UGNURAVIK RIVER / KUPARUK CPF-1 FACILITY	PERMIT ISSUED	9	273	WITHDRAWAL	01							
1311	METERED	0.0084	0.0086	0.0020	0.0011	0.0035	0.0026	0.0006	0.0000	0.0000	0.0000	11
0.0047												
ADL 401027	KOTZEBUE, CITY	126387	665248.5	1623011.9	K	KATEEL	017N	010W	13	NE	NE	19 75
DEVIL'S LAKE / VORTAC RESERVOIR	FAIR	PERMIT ISSUED	12	365	WITHDRAWAL	01						
4941	METERED	0.2909	0.3099	0.2910	0.3019	0.2745	0.2745	0.2871	0.1344	0.2415	0.2725	21
0.2623												
ADL 403254	NORTH POLE, CITY	126845	644504.3	1472054.8	K	FAIRBANKS	002S	002E	9	SW	SE	21 16
NORTH POLE, CITY	GOOD	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01						
4941	METERED	0.0773	0.0857	0.0895	0.1001	0.0846	0.0846	0.0783	0.0629	0.0000	0.0000	34
0.0643												

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS												
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	HERIOIAN	TOWN	RNGE	SEC	00	0	CH	CH
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEC	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
SIC	RECORDS	ACCURACY	PERIOD	PONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH	HYD	HYD	HYD
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	DECEMBER
ADL 403254	NORTH POLE, CITY	126845	644504.3	1472054.8 W	FAIRBANKS	0025	002E	9	SW	SE	21	16
4941	WATERED	GOOD	MONTHLY	CERTIFICATE ISSUED	12	59	WITHDRAWAL	02	GROUNDWATER	JANUARY	0.0000	0.0000
0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ADL 403254	NORTH POLE, CITY	126845	644504.3	1472054.8 W	FAIRBANKS	0025	002E	9	SW	SE	21	16
4941	WATERED	GOOD	MONTHLY	CERTIFICATE ISSUED	12	0	WITHDRAWAL	03	GROUNDWATER	JANUARY	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ADL 403885	EAGLE VILLAGE	154079	644718.2	1411222.4 W	FAIRBANKS	0013	033E	31	NW	NW	79	62
4941	ESTIMATED	POOR	MONTHLY	CERTIFICATE ISSUED	12	365	WITHDRAWAL	01	GROUNDWATER	FEBRUARY	0.0005	0.0005
0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
LAS 185	COOK INLET AQUACULTURE ASSOCIATION	156400	612836.1	1490902.9 W	SEWARD	016N	002E	18	NE	SE	14	37
4941	EKLUTHA LAKE / EKLUTHA FISH HATCHERY	PERMIT ISSUED	11	WITHDRAWAL	01	GROUNDWATER	DECEMBER	0.4827	0.4328	0.4328	0.4328	0.4328
6512	WATERED	FAIR	MONTHLY	11	257	1.4472	1.0190	1.9797	0.7608	0.7608	0.7608	0.7608
0.5760	2.1600	2.1600	0.5760	0.5760	0.5760	0.5760	0.5760	0.5760	0.5760	0.5760	0.5760	0.5760
LAS 198	JUNEAU CITY & BOROUGH	126204	582313	1343331.1 W	COPPER RIVER	040S	066E	20	NW	SW	65	39
4941	WATERED	GOOD	MONTHLY	CERTIFICATE ISSUED	12	324	WITHDRAWAL	01	GROUNDWATER	JULY	0.0065	0.0060
0.0060	0.0062	0.0066	0.0062	0.0599	0.0060	0.0056	0.0063	0.0065	0.0065	0.0065	0.0060	0.0060
LAS 246	ANCHORAGE, MUN. (AKNU)	167803	610949.2	1494857.2 W	SEWARD	012N	003W	4	NW	NE	38	63
4941	WELL #13 / SPRUCE & E. 64TH STS. ANCHORAGE PERMIT ISSUED	11	WITHDRAWAL	01	GROUNDWATER	SEPTEMBER	0.5769	0.5769	0.5769	0.5769	0.5769	0.5769
2.2617	1.6951	2.2155	2.2974	2.2425	1.7196	2.0892	2.2802	2.4011	2.3890	2.3890	2.3890	2.3890
LAS 259	EKLUTHA UTILITIES, INC.	125573	611825.8	1493235.8 W	SEWARD	014N	002W	13	SE	NE	18	58
4941	PARKVIEW TERRACE SUBDIVISION	PERMIT ISSUED	11	WITHDRAWAL	01	GROUNDWATER	JANUARY	0.0000	0.0000	0.0000	0.0000	0.0000
4941	WATERED	FAIR	MONTHLY	4	120	0.1134	0.1134	0.1134	0.1134	0.1134	0.1134	0.1134
0.1073	0.1082	0.1165	0.1214	0.1214	0.1134	0.1134	0.1134	0.1134	0.1134	0.1134	0.1134	0.1134
LAS 343	ANCHORAGE SCHOOL DISTRICT	166395	610504	1494440.3 W	SEWARD	012N	003W	35	NE	SE	7	24
4941	WELL / BEAR VALLEY ELEMENTARY	PERMIT ISSUED	11	WITHDRAWAL	01	GROUNDWATER	JULY	0.0002	0.0002	0.0002	0.0002	0.0002
8211	WATERED	GOOD	MONTHLY	12	347	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0002	0.0002	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002
LAS 636	ANCHORAGE SCHOOL DISTRICT	168395	611822.3	1493001.7 W	SEWARD	014N	001W	17	SW	NW	62	52
4941	RAVENWOOD ELEMENTARY SCHOOL	PERMIT ISSUED	11	WITHDRAWAL	01	GROUNDWATER	JULY	0.0002	0.0002	0.0002	0.0002	0.0002
8211	WATERED	GOOD	MONTHLY	12	331	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0002	0.0002	0.0001	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS														
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	84	84	CM			
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEQ	TYPE									
SIC	RECORDS	ACCURACY	PERIOD	DAYS	MONTHS	DAILY AVG	YEARLY AVG	MAX.	MONTH	MIN.	MONTH	HTD		
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
LAS 803	ANCHORAGE, MUN. (AKNU)	167803	612020.3	1493343.4	N	SEWARD	014N	002N	1	NE NW	62 74			
AKNU / BRADLEE SUBD. MC ALPINE SYSTEM	PERMIT ISSUED	11	WITHDRAWAL 01	GROUNDWATER	WATER SUPPLIER									
4941	METERED FAIR	12	0.0470	0.0470	FEBRUARY	0.0066	0.0071	0.0059	0.0085					
0.1708	0.1847	0.0737	0.0075	0.0073	0.0067	0.0087	0.0064							
LAS 897	MOONAH, CITY	126050	540353.9	1352329.5	N	COPPER RIVER 044S	061E	11	SE SW	47 16				
ELEPHANT EAR MTN. CREEK / MOONAH	PERMIT ISSUED	11	WITHDRAWAL 01	SURFACE WATER	WATER SUPPLIER									
4941	METERED GOOD	12	0.3145	0.3145	FEBRUARY	0.3191	0.2736	0.3082	0.2771					
0.3386	0.3539	0.3063	0.3522	0.2623	0.3228	0.3326	0.3317							
LAS 907	ANCHORAGE, MUN. (AKNU)	167803	610730.8	1494903.5	N	SEWARD	012N	003N	16	SE SW	43 10			
WELL #14 / SPRINGHILL ELEMENTARY SCHOOL	APPLICATION ACCEPTED	10	WITHDRAWAL 01	GROUNDWATER	WATER SUPPLIER									
4941	METERED GOOD	12	0.1525	0.1525	JULY	0.1524	0.1744	0.1367	0.1339					
0.1438	0.1010	0.1525	0.1579	0.1565	0.1569	0.1794	0.1791							
LAS 969	MCGRATH, CITY	126607	625705.6	1553501.3	N	SEWARD	033N	033N	17	SE NW	52 42			
KUSKOKWIM RIVER / CITY OF MC GRATH	PERMIT ISSUED	11	WITHDRAWAL 01	SURFACE WATER	WATER SUPPLIER									
4941	METERED FAIR	12	0.0263	0.0263	MAY	0.0217	0.0303	0.0236	0.0284					
0.0158	0.0277	0.0280	0.0230	0.0317	0.0273	0.0279	0.0298							
LAS 1059	ERU, INC.	162712	611845.5	1492907.7	N	SEWARD	014N	001N	8	SW SE	22 8			
WELLS #1 & 2 / HYLEN CREST SUBDIVISION	PERMIT ISSUED	9	WITHDRAWAL 01	GROUNDWATER	WATER SUPPLIER									
4941	METERED FAIR	12	0.0036	0.0036	DECEMBER	0.0038	0.0054	0.0051	0.0061					
0.0046	0.0048	0.0048	0.0050	0.0050	0.0050	0.0034	0.0054							
LAS 1101	ALYESKA UTILITIES, INC.	126675	605750.1	1490643.6	N	SEWARD	010N	002E	16	NE NW	56 76			
ALYESKA UTILITIES, INC.	PERMIT ISSUED	11	WITHDRAWAL 01	GROUNDWATER	WATER SUPPLIER									
4941	METERED FAIR	12	0.0592	0.0592	JANUARY	0.0537	0.0668	0.0668	0.0668					
0.0754	0.0754	0.0754	0.0413	0.0413	0.0413	0.0537	0.0537							
LAS 1141	NASILLA, CITY	128025	413532.9	1493102.7	N	SEWARD	017N	001N	6	NW SE	23 38			
MISSION HILLS SUBDIVISION, PHASE 2 & 3	PERMIT ISSUED	1	WITHDRAWAL 01	GROUNDWATER	WATER SUPPLIER									
4941	METERED FAIR	31	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083					
0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083							
LAS 1145	KODIAK, CITY	126354	575035	1522735.9	N	SEWARD	027S	020N	13	NW NW	77 74			
KODIAK, CITY - MONASHKA CREEK	PERMIT ISSUED	11	WITHDRAWAL 01	SURFACE WATER	WATER SUPPLIER									
4941	METERED FAIR	12	2.0733	2.0733	AUGUST	2.3352	2.0813	2.6852	1.5578					
1.7548	1.7143	1.7806	1.5000	2.0645	1.0733	2.4919	3.6400							
LAS 1174	CHEMUR, KING & CHERRIER	163303	605750.8	1490738.3	N	SEWARD	010N	002E	17	NE NE	17 77			
ALYESKA BASIN SUBDIVISION	PERMIT ISSUED	11	WITHDRAWAL 01	GROUNDWATER	WATER SUPPLIER									
4941	ESTIMATED FAIR	12	0.0703	0.0703	JANUARY	0.0681	0.0695	0.0695	0.0695					
0.0760	0.0760	0.0677	0.0677	0.0677	0.0677	0.0681	0.0695							

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS												
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	00	0	CR	CM

SOURCE / DESTINATION												

STATUS DESCRIPTION												

CODE												

WITHCODE												

SEQ												

TYPE												

NUMDS												

MIN. MONTH												

HYD												

NOVEMBER												

DECEMBER												

LAS 1257	KODIAK, CITY	126356	622343.7	1525314.2 W	SEWARD	027N	020W	25	SE	SE	13	7
KODIAK CITY - R-25 CREEK	CERTIFICATE ISSUED	12		WITHDRAWAL 01	SURFACE WATER							
4941	METERED	12	0.9347	0.9347	FEBRUARY							
1.0000	1.0714	0.9677	1.0000	0.9677	0.5000	0.8065					1.0000	0.9677
LAS 1270	TURNER COMPANY	159325	613607.8	1491004.4 W	SEWARD	018N	002E	31	SE	SW	52	12
EQUESTRIAN SUBDIVISION	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER							
4941	METERED	7	0.0004		DECEMBER							
			0.0002	0.0002	0.0005	0.0005					0.0005	
LAS 1942	JUNEAU CITY & BOROUGH	126204	581937.1	1342740.0 W	COPPER RIVER	041S	067E	9	NW	SE	30	27
JUNEAU, C & B	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER							
4941	METERED	12	0.6174	0.6174	OCTOBER							
0.3584	0.6034	0.4732	0.5736	0.7093	0.5708	0.8429					0.7382	0.6228
LAS 1947	ANCHORAGE, MUN. (AKNU)	166741	612429.8	1492700.5 W	SEWARD	015N	001W	9	SE	NE	7	58
OBORG FIELD, PETERS CREEK	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER							
6514	METERED	5	0.0130	0.0054	DECEMBER							
0.0000	0.0000	0.0000	0.0000	0.0000	0.0092	0.0084					0.0137	0.0247
LAS 2102	ORTNER, WALTER P.	167248	613600.7	1491220.3 W	SEWARD	018N	001E	36	SW	SW	79	1
EAGLE VIEW CAR WASH	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER							
7542	METERED	12	0.0023	0.0023	MARCH							
0.0032	0.0032	0.0027	0.0027	0.0014	0.0014	0.0020					0.0020	
LAS 2493	ANCHORAGE, MUN. (AKNU)	167803	611150	1500109.2 W	SEWARD	013N	004W	20	SE	SE	11	9
ANCHORAGE / SEWAGE TREATMENT PLANT	PERMIT ISSUED	11		RETURN	TRANSFERRED WATER							
9111	METERED	12	25.4060	25.4060	OCTOBER							
25.2860	24.8410	28.3030	24.4980	23.2320	23.2480	29.2480					25.3070	25.7650
LAS 2493	ANCHORAGE, MUN. (AKNU)	167803	611150	1500109.2 W	SEWARD	013N	004W	20	SE	SE	11	9
PT. KORONZOF / WASTEWATER TREATMENT PLNT	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER							
9111	METERED	12	25.4060	25.4060	OCTOBER							
25.2860	24.8410	28.3030	24.4980	23.2320	23.2480	29.2480					25.3070	25.7650
LAS 2698	VALDEZ, CITY	127957	610553.9	1461207.4 W	COPPER RIVER	009S	006W	12	SE	SE	16	15
ROBE RIVER / CITY OF VALDEZ	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER							
4941	METERED	12	0.0949	0.0944	APRIL							
0.1324	0.1324	0.1473	0.0881	0.0489	0.0489	0.0502					0.0578	0.0548
LAS 2699	VALDEZ, CITY	127957	610747.7	1461703.4 W	COPPER RIVER	008S	006W	34	NE	SW	50	30
LOOP ROAD / CITY OF VALDEZ	PERMIT ISSUED	11		WITHDRAWAL 01	GROUNDWATER							
4941	METERED	12	0.0224	0.0229	JULY							
0.0173	0.0173	0.0290	0.0224	0.0312	0.0183	0.0188					0.0164	0.0280

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS																			
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	00	00	00	CM	CM	CM	CM	CM	CM	CM	CM
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEQ	TYPE	NMUDS													
SIC	RECORDS	ACCURACY	PERIOD	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH	MONTH	MONTH	MONTH	MONTH	MONTH	MONTH	MONTH	MONTH	MONTH	MONTH
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER								
LAS 2700	VALDEZ, CITY	127957	610734	1461431.4 W	COPPER RIVER 0083	006N 35 SE SE 17 9													
SOUTH CENTRAL / CITY OF VALDEZ	APPLICATION ACCEPTED	10	WITHDRAWAL 01																
4941	METERED	GOOD	MONTHLY	9	270	0.3159													
0.2113	0.2113	0.2113	0.2113	0.3294			0.3518												
LAS 2762	ARCO ALASKA, INC.	155174	701726.1	1495338.9 W	UMIAT 011N	009E 20 NE SE 13 26													
UNAMED LAKE / ARCO ALASKA, INC.	PERMIT ISSUED	11	WITHDRAWAL 01																
1311	METERED	GOOD	MONTHLY	12	365	0.0333	0.0333												
0.0180	0.0601	0.0665	0.0349	0.0440	0.0371	0.0356	0.0407												
LAS 2764	ARCO ALASKA, INC.	155174	701903.3	1492421.3 W	UMIAT 011N	011E 8 SE SW 49 16													
? / GRAVEL SITE B (60,000 GPD)	PERMIT ISSUED	11	WITHDRAWAL 01																
1311	METERED	GOOD	MONTHLY	2	59	0.0337	0.0055												
0.0000	0.0616	0.0086	0.0000	0.0000	0.0000	0.0000	0.0000												
LAS 2768	ARCO ALASKA, INC.	155174	701915	1495617.6 W	UMIAT 011N	009E 7 NE SE 15 34													
UNAMED LAKE / ?	PERMIT ISSUED	11	WITHDRAWAL 01																
1311	METERED	GOOD	MONTHLY	1	31	0.0007	0.0001												
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000												
LAS 2769	ARCO ALASKA, INC.	155174	701940.3	1493902.6 W	UMIAT 011N	010E 8 NW NE 32 73													
UNAMED LAKE / ?	PERMIT ISSUED	11	WITHDRAWAL 01																
1311	METERED	GOOD	MONTHLY	3	89	0.0244	0.0060												
0.0000	0.0150	0.0459	0.0000	0.0000	0.0111	0.0000	0.0000												
LAS 3260	ALASKA 200	174735	610732.7	1494728.0 W	SEWARD 012N	003N 15 SE SW 52 13													
ALASKA 200 ELEPHANT & POLAR BEAR HOUSES	APPLICATION ACCEPTED	10	WITHDRAWAL 01																
200	METERED	GOOD	MONTHLY	3	78	0.0022													
LAS 3261	ALASKA 200	174735	610726.2	1494723.9 W	SEWARD 012N	003N 15 SE SW 49 3													
ALASKA 200 PUMPHOUSE	APPLICATION ACCEPTED	10	WITHDRAWAL 01																
200	METERED	GOOD	MONTHLY	3	78	0.0031													
LAS 3311	SANIT PAUL, CITY	154092	570845	1701528.3 W	SEWARD 035S	131N 18 SE SW 52 3													
NORTH & SOUTH WELLS / CITY OF SAINT PAUL	PERMIT ISSUED	11	WITHDRAWAL 01																
4941	METERED	FAIR	MONTHLY	11	334	0.0057													
0.0066	0.0098	0.0054	0.0023	0.0008	0.0042														
LAS 3357	PORT LIONS, CITY	127129	575220.8	1525350.5 W	SEWARD 027S	022N 6 SE NE 12 76													
PORT LIONS, CITY	PERMIT ISSUED	11	WITHDRAWAL 01																
4941	METERED	GOOD	MONTHLY	12	365	0.0719	0.0719												
0.0733	0.0785	0.0917	0.0775	0.0663	0.0630	0.0628	0.0631												
0.0733	0.0785	0.0917	0.0775	0.0663	0.0630	0.0628	0.0631												

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM 1986 SUMMARY REPORT ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS												
FILE	FACILITY NAME	IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	'SEC 00 0	CM CM			
SOURCE / DESTINATION	STATUS DESCRIPTION	CODE	WITHCODE	SEQ	TYPE	NRUOS						
SIC	RECORDS	ACCURACY PERIOD	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MIN.	MONTH	MYO			
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
LAS 3485	ANCHORAGE, MUN. (ANKU)	167803	611055.3	1493310.9 N	SEWARD	014N	002N	12	NE SW	44	23	
ANKU / PALC VERDES	APPLICATION ACCEPTED	10	WITHDRAWAL 01	GROUNDWATER								
4941	PETERED FAIR	11	0.0208	0.0191	MAY							
0.0377	0.0365	0.0389	0.0386	0.0440	0.0410	0.0000	0.0011	0.0019	0.0017	0.0047	0.0054	
LAS 3864	KLUKWAN, CITY	126331	592416.6	1355257.3 N	COPPER RIVER 0283							
SPRING / KLUKWAN RESERVOIR	PERMIT ISSUED	11	WITHDRAWAL 01	SURFACE WATER								
4941	PETERED FAIR	6	0.0309	DECEMBER								
					0.0300	0.0273	0.0379	0.0320	0.0379	0.0379	0.0379	
LAS 6550	PETERSBURG, CITY	127077	564724.8	1325423.8 N	COPPER RIVER 0593							
STREAM / CITY OF PETERSBURG	PERMIT ISSUED	11	WITHDRAWAL 01	SURFACE WATER								
4941	PETERED GOOD	12	0.9396	0.9396	AUGUST							
0.512E	0.6081	0.5361	0.6070	0.7596	0.9678	1.4655	2.6038	1.4105	0.6654	0.6074	0.5130	
LAS 11215	SOLDOTNA, CITY	127502	602040.6	1510150.8 N	SEWARD	005N	010N	33	NE SE	13	23	
WELL "E" / CITY OF SOLDOTNA	APPLICATION ACCEPTED	10	WITHDRAWAL 01	GROUNDWATER								
4941	PETERED GOOD	3	0.0006	0.0001	DECEMBER							
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0007	0.0007	
LAS 11267	ALAKANUK, VIL	6343	624007	1643914.4 N	SEWARD	030N	082N	21	NE NE	0	0	
ALUKONUK SLUGH / VILLAGE OF ALAKANUK	ACTIVE DATA POINT	10	WITHDRAWAL 01	SURFACE WATER								
4941	PETERED FAIR	12	0.0063	0.0063	AUGUST							
0.0059	0.0056	0.0056	0.0060	0.0055	0.0042	0.0027	0.0083	0.0083	0.0083	0.0083	0.0083	
LAS 11320	EEL, CITY	7264	601248.6	1620033.1 N	SEWARD	002N	073N	31	NE SW	0	0	
UNKNOWN / CITY OF EEL	ACTIVE DATA POINT	10	WITHDRAWAL 01	SURFACE WATER								
4941	PETERED FAIR	6	0.0024	0.0036	JULY							
					0.0026	0.0033	0.0016	0.0016	0.0004	0.0004	0.0004	
LAS 11321	FORT YUKON, CITY	6292	663309	1451440.2 N	FAIRBANKS	020N	012E	18	NE NE	0	0	
MAIN WELL / CITY OF FORT YUKON	ACTIVE DATA POINT	10	WITHDRAWAL 01	GROUNDWATER								
4941	PETERED FAIR	12	0.0120	0.0120	JUNE							
0.0123	0.0103	0.0067	0.0082	0.0108	0.0257	0.0113	0.0106	0.0083	0.0124	0.0133	0.0144	
LAS 11322	QUINNAGAK, CITY	6293	594504.7	1415140.2 N	SEWARD	0053	072N	9	SW NW	0	0	
KAREKTON RIVER / CITY OF QUINNAGAK	ACTIVE DATA POINT	10	WITHDRAWAL 01	SURFACE WATER								
4941	PETERED FAIR	12	0.0039	0.0039	JUNE							
0.0049	0.0027	0.0041	0.0019	0.0052	0.0091	0.0023	0.0045	0.0035	0.0046	0.0033	0.0026	
LAS 11323	UNALAKLEET, CITY	6295	635611.8	1404835.3 N	SEWARD	0188	011N	9	SE SW	0	0	
POWERS CREEK / CITY OF UNALAKLEET	ACTIVE DATA POINT	10	WITHDRAWAL 01	SURFACE WATER								
4941	PETERED FAIR	12	0.0596	0.0596	OCTOBER							
0.054E	0.0536	0.0581	0.0580	0.0613	0.0583	0.0633	0.0613	0.0633	0.0613	0.0633	0.0597	

Table 1. Continued.

ALASKA WATER-USE DATA SYSTEM
1986 SUMMARY REPORT
ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

FILE	FACILITY NAME			IDENT.	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RNGE	SEC	00	0	CM	CM	
SOURCE / DESTINATION				STATUS DESCRIPTION		CODE	WITHCODE	SEQ	TYPE	NWUDS					
SIC	RECORDS	ACCURACY	PERIOD	MONTHS	DAYS	DAILY AVG	YEARLY AVG		MAX. MONTH	MIN. MONTH		MTD			
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
LAS 11324	HALES, CITY				6298	653547.8	1680319.4	N	KATEEL	002N	045N	5	SW	NW	0 0
GILBERT CREEK / WASHMETERIA				ACTIVE DATA POINT		10	WITHDRAWAL	01	SURFACE WATER		WATER SUPPLIER				
4941	METERED	FAIR	MONTHLY	12	365	0.0009	0.0009		JUNE		OCTOBER				22
	0.0009	0.0009	0.0010	0.0010	0.0011	0.0012	0.0011	0.0010	0.0006	0.0006	0.0011	0.0009			
LAS 1000014	ANNETTE ISLAND PACKING CO.				154154	550649.7	1313240.9	N	COPPER RIVER	0783	092E	9	SE	NW	0 0
UNKNOWN / ANNETTE ISLAND PACKING CO.				ACTIVE DATA POINT		10	WITHDRAWAL	02	GROUNDWATER		WATER SUPPLIER				
921	METERED	FAIR	MONTHLY	3	70	0.3284			AUGUST		SEPTEMBER				64
	.	.	.	.	.	0.3266	0.5277	0.1230		.	.		.	.	.
LAS 1000014	PETLAKATLA COLD STORAGE				154154	550649.7	1313240.9	N	COPPER RIVER	0783	092E	9	SE	NW	0 0
UNKNOWN / PETLAKATLA COLD STORAGE				ACTIVE DATA POINT		10	WITHDRAWAL	03	GROUNDWATER		WATER SUPPLIER				
921	METERED	FAIR	MONTHLY	3	70	0.1309			AUGUST		SEPTEMBER				64
	.	.	.	.	.	0.1149	0.1544	0.1072		.	.		.	.	.
LAS 1000014	PETLAKATLA, CITY				154154	550649.7	1313240.9	N	COPPER RIVER	0783	092E	9	SE	NW	0 0
UNKNOWN SOURCE / WATER TREATMENT PLANT				ACTIVE DATA POINT		10	WITHDRAWAL	01	GROUNDWATER		WATER SUPPLIER				
4941	METERED	FAIR	MONTHLY	10	284	0.7058			AUGUST		OCTOBER				64
	0.8939	.	.	0.8008	0.7788	0.5474	0.6998	1.2218	0.7515	0.4379	0.5484	0.4808			

Table 2. Comparison of water-use by SIC code, by RETURN TYPE.

SIC Code	Description	Ground water (MG)	% GW	Surface Water (MG)	% SW	Total (MG)	% of Total	% of total GW
200	Animals Non-commercial	.4132	100	-	-	.4132	<.01	<<.01
912	Finfish	-	-	13.6963	100	13.6963	.01	-
921	Aquaculture	1498.5022	54	1290.0002	46	2788.5023	2.70	5.58
1311	Crude Petroleum & Natural Gas	-	-	88.3566	100	88.3566	.09	-
2091	Canned and Cured Seafoods	-	-	47.5207	100	47.5207	.05	-
2873	Nitrogeaneous Fertilizers	707.6969	100	-	-	-	.69	2.64
2911	Petroleum Refining	122.2757	100	-	-	-	.12	.46
4912	Electric Power Generation	-	-	70556.9692	100	70556.9692	68.61	-
4941	Public Water Supply	14872.2235	79	3990.8401	21	3990.8401	18.34	55.38
6512	Office Bldg. Operations	371.9191	100	-	-	371.9191	.36	1.38
6514	2-4 Unit Housing or 2 Houses	4.7421	100	-	-	4.7421	<.01	.02
7542	Car washes	.8486	100	-	-	.8486	<.01	<.01
7997	Ice Arenas	2.5812	100	-	-	2.5812	.01	.01
8211	Elementary & Secondary Schools	.0941	100	-	-	.0941	.01	.01
9111	Waste Water Treatment Plants	9273.1900	100	-	-	9273.1900	9.02	34.43
Total		26854.4866	26.11	75987.3831	73.89	102841.8696	100.0	100.0
Total w/o SIC 4912		26854.4866	45.41	32284.9044	54.59	59139.3870	57.51	100.0

Table 3. Water-use data arranged by SIC CODE, by RETURN TYPE.

-----SIC CODE=200 RETURN TYPE=GM-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
1	200	GM	ALASKA ZOO	LAS	3260	7P	0.0022	0.1732	
2	200	GM	ALASKA ZOO	LAS	3241	70	0.0031	0.2401	

RETTYPE								0.4132	
SICCODE								0.4132	
-----SIC CODE=912 RETURN TYPE=SN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
3	912	SN	WOMER, CITY	ADL	57950	345	0.0375	13.6963	
-----SIC CODE=921 RETURN TYPE=GN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
4	921	GN	ANNETTE ISLAND PACKING CO.	LAS	1000014	70	0.3284	22.9887	
5	921	GN	OLV. ADM. CONTR. & FAC. OFC.,	ADL	80511	365	1.8604	679.0321	
6	921	GN	OLV. ADM. CONTR. & FAC. OFC.,	ADL	204740	365	2.1570	787.3200	
7	921	GN	MELAKATLA COLO STORAGE	LAS	1000014	70	0.1309	9.1614	

RETTYPE								1498.5022	
-----SIC CODE=921 RETURN TYPE=SN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
8	921	SN	COCK INLET AQUACULTURE ASSOCIATION	ADL	215011	365	3.5342	1290.0002	

SICCODE								2780.5023	
-----SIC CODE=1311 RETURN TYPE=SN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
9	1311	SN	AWCO ALASKA INC.	ADL	400793	273	0.0035	0.9623	
10	1311	SN	ARCO ALASKA, INC.	LAS	2762	365	0.0333	12.1443	
11	1311	SN	ARCO ALASKA, INC.	LAS	2760	59	0.0337	1.9910	
12	1311	SN	ARCO ALASKA, INC.	LAS	274P	31	0.0007	0.0231	
13	1311	SN	ARCO ALASKA, INC.	LAS	2769	49	0.0204	2.1728	
14	1311	SN	SUMIO	ADL	44117	365	0.1218	48.4446	
15	1311	SN	SUMIO	ADL	75979	365	0.0037	15.9680	

RETTYPE								77.7061	
SICCODE								77.7061	

Table 3. Continued.

-----SIC CODE=2091 RETURN TYPE=SW-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
16	2091	SW	LAGEH, W. S. DBA TRIDENT SEAFOODS CORP.	ADL	62233	337	0.1410	47.5207	
-----SIC CODE=2873 RETURN TYPE=GW-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
17	2873	GW	UNION CHEMICALS DIV, UNOCAL CO.	ADL	42514	365	1.1294	412.2489	
18	2873	GW	UNION OIL COMPANY OF CA.	ADL	72075	365	0.5281	192.7402	
19	2873	GW	UNION OIL OF CALIF.	ADL	203480	324	0.3169	102.6879	
-----	RETTYPE							-----	
-----	SICCODE							-----	
707.6969								707.6969	
707.6969								707.6969	
-----SIC CODE=2911 RETURN TYPE=GW-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
20	2911	GW	TESORO-ALASKAN PETROLEUM COMPANY	ADL	42906	365	0.3350	122.2757	
-----SIC CODE=4912 RETURN TYPE=SW-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
21	4912	SW	ALASKA ELECTRIC LIGHT & POWER COMPANY	ADL	45780	365	4.2476	1550.3561	
22	4912	SW	U.S. DEPARTMENT OF ENERGY, A.P.A.	ADL	44944	365	189.0592	69006.6131	
-----	RETTYPE							-----	
-----	SICCODE							-----	
70556.9692								70556.9692	
70556.9692								70556.9692	
-----SIC CODE=4941 RETURN TYPE=GW-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
23	4941	GW	ALYESKA UTILITIES, INC.	LAS	1101	365	0.0592	21.6230	
24	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	44197	365	0.0642	23.4312	
25	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	44626	365	0.3316	121.0333	
26	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	44626	365	0.3648	133.1462	
27	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	45127	365	0.0201	7.3478	
28	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	45420	365	0.3163	115.4393	
29	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50906	365	0.2017	73.6110	
30	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50907	365	0.6053	220.9163	
31	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50908	184	0.0426	7.8364	
32	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50909	365	0.0799	29.1588	
33	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50911	273	0.0583	15.9080	
34	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50923	365	0.2964	108.1940	
35	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50924	365	0.1638	59.7717	
36	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50926	273	0.0473	12.9189	
37	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	50927	365	0.5630	205.4910	
38	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	51573	365	0.1089	39.0167	
39	4941	GW	ANCHORAGE, MUN. (AKMU)	ADL	52514	365	0.0096	3.5055	

Table 3. Continued.

-----SIC CODE#4941 RETURN TYPE=GW-----								
DB3	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
40	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	54850	365	1.5897	580.2401
41	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	54850	337	0.8308	279.9708
42	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	54851	365	12.4062	4528.2721
43	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	62222	365	0.5541	202.2348
44	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	63855	365	0.0379	13.8299
45	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	65644	275	0.1463	40.2303
46	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	65747	365	0.8448	308.3469
47	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	67201	334	0.9088	303.5536
48	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	73658	365	0.1213	44.2895
49	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	201555	365	0.6340	231.4188
50	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	201881	306	0.0067	2.0542
51	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	201920	365	0.0061	2.2345
52	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	201921	365	0.7075	258.2441
53	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	202702	0	0.0000	0.0000
54	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	202733	243	0.1560	37.8968
55	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	202997	365	0.7972	290.9809
56	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	203956	365	0.3620	132.1176
57	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	209828	365	0.0897	32.7580
58	4941	GW	ANCHORAGE, MUN. (AMNU)	ADL	215028	306	0.0080	2.8849
59	4941	GW	ANCHORAGE, MUN. (AMNU)	LAS	246	334	2.1471	717.1374
60	4941	GW	ANCHORAGE, MUN. (AMNU)	LAS	403	365	0.0470	17.1495
61	4941	GW	ANCHORAGE, MUN. (AMNU)	LAS	907	365	0.1525	55.6479
62	4941	GW	ANCHORAGE, MUN. (AMNU)	LAS	3485	334	0.0208	6.9589
63	4941	GW	CHERRIER, KING & CHERRIER	LAS	1174	365	0.0703	25.6635
64	4941	GW	CRESTBROOK WATER ASSOC., INC.	ADL	206632	269	0.0124	3.3302
65	4941	GW	DILLINGHAM CITY	ADL	44054	365	0.0962	35.1053
66	4941	GW	EAGLE VILLAGE	ADL	443885	365	0.0005	0.1883
67	4941	GW	EKLUTNA UTILITIES, INC.	LAS	259	120	0.1134	13.6040
68	4941	GW	ELIM, CITY	ADL	75895	365	0.0129	4.6913
69	4941	GW	ERU, INC.	LAS	1059	273	0.0036	0.9956
70	4941	GW	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	365	3.1680	1156.3200
71	4941	GW	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	30	3.7584	112.7520
72	4941	GW	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	365	2.4480	893.5200
73	4941	GW	FORT YUKON, CITY	LAS	11321	365	0.0120	4.3844
74	4941	GW	HAINEES CITY	ADL	52025	365	0.0175	6.3756
75	4941	GW	HILLSIDE PARK HOMEOWNER'S ASSOCIATION	ADL	202909	365	0.0124	4.5286
76	4941	GW	MUSLIA, CITY	ADL	67133	365	0.0072	2.6295
77	4941	GW	INDIAN COVE WATER COMPANY	ADL	43117	207	0.0011	0.2236
78	4941	GW	JUNEAU CITY & BOROUGH	ADL	140066	365	2.1515	785.2880
79	4941	GW	JUNEAU CITY & BOROUGH	LAS	198	324	0.0164	5.3052
80	4941	GW	JUNEAU CITY & BOROUGH	LAS	1942	365	0.6174	225.3649
81	4941	GW	KENAI CITY	ADL	53282	365	0.3577	130.5561
82	4941	GW	KENAI, CITY	ADL	53282	365	0.5238	191.1947
83	4941	GW	KODIAK, CITY	ADL	39797	242	0.4651	112.5498
84	4941	GW	METLAXATLA, CITY	LAS	1000014	784	0.7050	200.4549
85	4941	GW	NENANA, CITY	ADL	400616	365	0.0342	12.4717
86	4941	GW	NOKE, CITY	ADL	42993	365	0.4614	168.4205
87	4941	GW	NORFOLK UTILITIES, INC.	ADL	209576	363	0.0020	0.7256
88	4941	GW	NORTH POLE, CITY	ADL	403254	365	0.0846	30.8761
89	4941	GW	NORTH POLE, CITY	ADL	403254	59	0.0037	0.2209
90	4941	GW	NORTH POLE, CITY	ADL	403254	0	0.0000	0.0000
91	4941	GW	NORTH WOODS, INC.	ADL	74176	365	0.0318	11.6183
92	4941	GW	PALMER CITY	ADL	201324	365	0.6126	223.5994

Table 3. Continued.

-----SIC CODE=4941 RETURN TYPE=GN-----								
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
93	4941	GN	SAINT PAUL, CITY	LAS	3311	334	0.0057	1.9188
94	4941	GN	SETTLERS BAY PROPERTIES, INC.	ADL	74699	365	0.0002	0.0814
95	4941	GN	SETTLERS BAY PROPERTIES, INC.	ADL	74700	341	0.0047	1.6075
96	4941	GN	SEWARD CITY	ADL	39936	365	0.2244	81.8881
97	4941	GN	SEWARD CITY	ADL	39936	334	0.2615	87.3460
98	4941	GN	SEWARD CITY	ADL	39936	62	0.4786	29.6750
99	4941	GN	SEWARD CITY	ADL	39936	335	0.3389	113.5285
100	4941	GN	SEWARD, CITY	ADL	210826	335	0.3729	124.9292
101	4941	GN	SHAGELUXCTY	ADL	75856	59	0.0000	0.0001
102	4941	GN	SOLDOTNA CITY	ADL	40315	365	0.3097	113.0270
103	4941	GN	SOLDOTNA CITY	ADL	52342	193	0.0148	2.2694
104	4941	GN	SOLDOTNA CITY	ADL	206983	365	0.2441	89.1078
105	4941	GN	SOLDOTNA, CITY	LAS	11215	92	0.0006	0.0525
106	4941	GN	TESORO-ALASKAN PETROLEUM COMPANY	ADL	42906	274	0.0006	0.1548
107	4941	GN	TURNER COMPANY	LAS	1270	214	0.0004	0.0839
108	4941	GN	VALDEZ CITY	ADL	46360	242	0.2628	63.5877
109	4941	GN	VALDEZ, CITY	ADL	46360	365	0.3716	135.6435
110	4941	GN	VALDEZ, CITY	ADL	209799	311	0.6786	211.0490
111	4941	GN	VALDEZ, CITY	LAS	2648	363	0.0949	34.4464
112	4941	GN	VALDEZ, CITY	LAS	2649	366	0.0228	8.3510
113	4941	GN	VALDEZ, CITY	LAS	2700	270	0.3159	85.2892
114	4941	GN	VALLI VUE ESTATES SUBDIVISION	ADL	200239	365	0.0578	21.1021
115	4941	GN	WASILLA,CTY	LAS	1141	31	0.0083	0.2582
116	4941	GN	YAKUTAT, CITY	ADL	43340	365	0.1066	38.9002
117	4941	GN	YAKUTAT,CTY	ADL	43340	183	0.0221	4.0395
-----								14897.6619
RETTYPE								

-----SIC CODE=4941 RETURN TYPE=SW-----								
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
118	4941	SW	ALAKANUK,VIL	LAS	11267	365	0.0063	2.3075
119	4941	SW	CRAIG,CTY	ADL	62386	365	0.2278	83.1550
120	4941	SW	EEK, CITY	LAS	11320	184	0.0024	0.4355
121	4941	SW	GHAYLIAC, CITY	ADL	75908	365	0.0136	4.9593
122	4941	SW	GRAYLIAC, CITY	ADL	75908	365	0.0061	2.2338
123	4941	SW	HAINES CITY	ADL	53556	365	0.0044	1.6100
124	4941	SW	HOMER, CITY	ADL	57850	365	0.2984	108.9007
125	4941	SW	HOONAH, CITY	LAS	897	365	0.3145	114.7899
126	4941	SW	KASAAH, CITY	ADL	100811	334	0.0068	2.2679
127	4941	SW	KETCHIKAN CITY	ADL	48794	365	3.7313	1361.9110
128	4941	SW	KETCHIKAN CITY	ADL	48795	365	1.2592	459.6000
129	4941	SW	KING COVE, CITY	ADL	42595	365	0.2996	109.3390
130	4941	SW	KLUKWAN, CITY	LAS	3864	160	0.0309	4.9485
131	4941	SW	KUDIAK, CITY	LAS	1145	365	2.0733	756.7366
132	4941	SW	KODIAK, CITY	LAS	1257	365	0.9347	341.1713
133	4941	SW	KOTZEBUE, CITY	ADL	401827	365	0.2745	100.2075
134	4941	SW	MCGRATH, CITY	LAS	949	365	0.0263	9.5922
135	4941	SW	NOORVIK, CITY	ADL	75902	364	0.0060	2.1691
136	4941	SW	PETERSBURG, CITY	LAS	6550	365	0.9396	342.9420
137	4941	SW	PORT LIONS, CTY	LAS	3357	365	0.0719	26.2523
138	4941	SW	QUINHAGAX, CITY	LAS	11322	365	0.0039	1.4396

Table 3. Continued.

-----SIC CODE=4901 RETURN TYPE=SW-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
139	4941	SW	SAINT MICHAEL, CTY	ADL	76070	304	0.0002	0.0742	
140	4941	SW	SAND POINT, CITY	ADL	201803	365	0.1955	71.3677	
141	4941	SW	SAXMAN, CITY	ADL	44121	365	0.0435	15.8720	
142	4941	SW	SCAMMON BAY, CITY	ADL	46344	365	0.0005	0.1661	
143	4941	SW	SHISHMARF, CITY	ADL	75901	242	0.1411	34.1457	
144	4941	SW	SHISHMARF, CITY	ADL	75901	184	0.0017	0.3132	
145	4941	SW	SHISHMARF, CTY	ADL	75901	365	0.0032	1.1757	
146	4941	SW	SOUTHPARK TERRACE HOMEOWNERS ASSOCIATION	ADL	209628	365	0.0230	8.3848	
147	4941	SW	TATITLEK, VIL	ADL	76071	365	0.0002	0.0551	
148	4941	SW	UNALAKLEET, CITY	LAS	11323	365	0.0596	21.7401	
149	4941	SW	WALES, CITY	LAS	11324	365	0.0009	0.3457	

RETTYPE								1990.6088	
SICCODE								18888.2707	
-----SIC CODE=6512 RETURN TYPE=GN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
150	6512	GN	COOK INLET AQUACULTURE ASSOCIATION	LAS	185	257	1.4472	371.9191	
-----SIC CODE=6514 RETURN TYPE=GN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
151	6514	GN	ANCHORAGE, MUN. (AMNU)	LAS	1947	153	0.0130	1.9878	
-----SIC CODE=7542 RETURN TYPE=GN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
152	7542	GN	ORTNER, HALTER P.	LAS	2102	365	0.0023	0.8486	
-----SIC CODE=7997 RETURN TYPE=GN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
153	7997	GN	SOLOOTNA, CITY	ADL	214896	134	0.0077	2.5812	
-----SIC CODE=8211 RETURN TYPE=GN-----									
OBS	SICCODE	RETTYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY	
154	8211	GN	ANCHORAGE SCHOOL DISTRICT	LAS	563	347	0.0002	0.0531	
155	8211	GN	ANCHORAGE SCHOOL DISTRICT	LAS	634	331	0.0001	0.0410	

RETTYPE								0.0941	
SICCODE								0.0941	

Table 3. Continued.

-----SIC CODE=9111 RETURN TYPE=GK-----								
089	SICCODE	RETYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
156	9111	GW	ANCHORAGE, MUN. (ANNU)	LAS	2493	365	25.0060	9273.1900
-----SIC CODE=9111 RETURN TYPE=TW-----								
089	SICCODE	RETYPE	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
157	9111	Th	ANCHORAGE, MUN. (ANNU)	LAS	2493	365	25.4060	9273.1900
-----								16546.3800
SICCODE								*****
								112126.8619

Table 4. Water-use data arranged by HYDROLOGIC UNIT.

-----HYDROLOGIC UNIT=1-----									
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY		
1	11	ARCO ALASKA INC.	ADL	400793	273	0.0035	0.9623		
2	11	ARCO ALASKA, INC.	LAS	2762	365	0.0333	12.1443		
3	11	ARCO ALASKA, INC.	LAS	2762	59	0.0337	1.9910		
4	11	ARCO ALASKA, INC.	LAS	2762	31	0.0007	0.0231		
5	11	ARCO ALASKA, INC.	LAS	2769	89	0.0244	2.1728		
6	11	SOHIO	ADL	66117	365	0.1218	44.4646		
7	11	SOHIO	ADL	75979	365	0.0437	15.9680		
-----							-----		
	HYDRUNIT						77.7061		
-----HYDROLOGIC UNIT=11-----									
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY		
8	13	NOORVIAK, CITY	ADL	75902	364	0.0060	2.1691		
-----HYDROLOGIC UNIT=21-----									
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY		
9	21	KOTZERUE, CITY	ADL	401827	365	0.2745	100.2075		
10	21	SHISHMARIEF, CITY	ADL	75901	242	0.1411	34.1857		
11	21	SHISHMARIEF, CITY	ADL	75901	184	0.0017	0.3132		
12	21	SHISHMARIEF, CITY	ADL	75901	365	0.0032	1.1757		
-----							-----		
	HYDRUNIT						135.8420		
-----HYDROLOGIC UNIT=22-----									
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY		
13	22	ELIM, CITY	ADL	75895	365	0.0124	4.6913		
14	22	NGKE, CITY	ADL	42993	365	0.4614	168.4205		
15	22	UNALAKLEET, CITY	LAS	11323	365	0.0596	21.7401		
16	22	KALES, CITY	LAS	11324	365	0.0009	0.3457		
-----							-----		
	HYDRUNIT						195.1976		
-----HYDROLOGIC UNIT=32-----									
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY		
17	32	EAGLE VILLAGE	ADL	402885	365	0.0005	0.1883		
18	32	FORT YUKON, CITY	LAS	11321	365	0.0120	4.3644		
-----							-----		
	HYDRUNIT						4.5727		

Table 4. Continued.

-----HYDROLOGIC UNIT=34-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
19	34	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	365	3.1680	1156.3200
20	34	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	30	3.7584	112.7520
21	34	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	365	2.4480	893.5200
22	34	NENANA, CTY	ADL	400616	365	0.0342	12.4717
23	34	NORTH POLE, CTY	ADL	403254	365	0.0846	30.8761
24	34	NORTH POLE, CTY	ADL	403254	59	0.0037	0.2209
25	34	NORTH POLE, CTY	ADL	403254	0	0.0000	0.0000
-----							2206.1607
-----HYDROLOGIC UNIT=35-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
26	35	KUSLIA, CTY	ADL	67133	365	0.0072	2.6295
-----HYDROLOGIC UNIT=36-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
27	36	ALAKANUK, VIL	LAS	11267	365	0.0063	2.3075
28	36	GRAYLING, CITY	ADL	75908	365	0.0136	4.9593
29	36	GRAYLING, CITY	ADL	75908	365	0.0081	2.2338
30	36	SCAMPON BAY, CITY	ADL	46364	365	0.0005	0.1661
31	36	SHAGELUKCTY	ADL	75856	59	0.0001	0.0059
-----							9.6726
-----HYDROLOGIC UNIT=41-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
32	41	EEK, CITY	LAS	11320	184	0.0024	0.4355
33	41	MCGRATH, CITY	LAS	969	365	0.0263	9.5922
34	41	QUINHAGAK, CITY	LAS	11322	365	0.0039	1.4396
-----							11.4673
-----HYDROLOGIC UNIT=42-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
35	42	DILLINGHAM CITY	ADL	46054	365	0.0962	35.1053

Table 4. Continued.

-----HYDROLOGIC UNIT=43-----

OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
36	43	KING COVE, CITY	ADL	42595	365	0.2996	106.3390
37	43	LAGEN, W. S. DBA TRIDENT SEAFOODS CORP.	ADL	62233	337	0.1410	47.5207
38	43	SAND POINT, CITY	ADL	201803	365	0.1955	71.3677
-----							-----
HYDRUNIT							228.2275

-----HYDROLOGIC UNIT=44-----

OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
39	44	SAINT MICHAEL, CITY	ADL	76070	304	0.0002	0.0742
40	44	SAINT PAUL, CITY	LAS	3311	334	0.0057	1.9188
-----							-----
HYDRUNIT							1.9930

-----HYDROLOGIC UNIT=51-----

OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
41	51	KODIAK, CITY	ADL	39797	242	0.4651	112.5498
42	51	KODIAK, CITY	LAS	1145	365	2.0733	756.7366
43	51	KODIAK, CITY	LAS	1257	365	0.9347	341.1713
44	51	PORT LIONS, CITY	LAS	3357	365	0.0719	26.2523
-----							-----
HYDRUNIT							1236.7101

-----HYDROLOGIC UNIT=52-----

OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
45	52	SETTLERS BAY PROPERTIES, INC.	ADL	74699	365	0.0002	0.0814
46	52	SETTLERS BAY PROPERTIES, INC.	ADL	74700	341	0.0047	1.6075
47	52	WASILLA, CITY	LAS	1141	31	0.0083	0.2582
-----							-----
HYDRUNIT							1.9470

-----HYDROLOGIC UNIT=53-----

OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
48	53	ALASKA ZOO	LAS	3260	78	0.0022	0.1732
49	53	ALASKA ZOO	LAS	3261	78	0.0031	0.2401
50	53	ALYESKA UTILITIES, INC.	LAS	1101	365	0.0592	21.6230
51	53	ANCHORAGE SCHOOL DISTRICT	LAS	563	347	0.0002	0.0531
52	53	ANCHORAGE SCHOOL DISTRICT	LAS	636	331	0.0001	0.0410
53	53	ANCHORAGE, MUN. (AKMU)	ADL	44197	365	0.0642	23.4312
54	53	ANCHORAGE, MUN. (AKMU)	ADL	44626	365	0.3316	121.0323
55	53	ANCHORAGE, MUN. (AKMU)	ADL	44626	365	0.3648	133.1462
56	53	ANCHORAGE, MUN. (AKMU)	ADL	45127	365	0.0201	7.3478
57	53	ANCHORAGE, MUN. (AKMU)	ADL	45420	365	0.3163	115.4393

Table 4. Continued.

-----HYDROLOGIC UNIT=53-----							
CBS	HYDROUNIT	NAME	TYPE	NUMRER	DAYS	MGD	YEARLY
58	53	ANCHORAGE, PUN. (AKNU)	ADL	50906	365	0.2017	73.6110
59	53	ANCHORAGE, PUN. (AKNU)	ADL	50907	365	0.6053	220.9163
60	53	ANCHORAGE, PUN. (AKNU)	ADL	50908	184	0.0426	7.8364
61	53	ANCHORAGE, PUN. (AKNU)	ADL	50909	365	0.0799	29.1588
62	53	ANCHORAGE, PUN. (AKNU)	ADL	50911	273	0.0583	19.9080
63	53	ANCHORAGE, PUN. (AKNU)	ADL	50923	365	0.2964	108.1940
64	53	ANCHORAGE, PUN. (AKNU)	ADL	50924	365	0.1638	59.7717
65	53	ANCHORAGE, PUN. (AKNU)	ADL	50926	273	0.0473	12.9129
66	53	ANCHORAGE, PUN. (AKNU)	ADL	50927	365	0.5630	205.4510
67	53	ANCHORAGE, PUN. (AKNU)	ADL	51573	365	0.1069	39.0167
68	53	ANCHORAGE, PUN. (AKNU)	ADL	52514	365	0.0096	3.5055
69	53	ANCHORAGE, PUN. (AKNU)	ADL	54850	365	1.5897	580.2461
70	53	ANCHORAGE, PUN. (AKNU)	ADL	54850	337	0.8308	279.9708
71	53	ANCHORAGE, PUN. (AKNU)	ADL	54851	365	12.4062	4528.2721
72	53	ANCHORAGE, PUN. (AKNU)	ADL	62222	365	0.5541	202.2348
73	53	ANCHORAGE, PUN. (AKNU)	ADL	63855	365	0.0379	13.8299
74	53	ANCHORAGE, PUN. (AKNU)	ADL	65644	275	0.1463	40.2303
75	53	ANCHORAGE, PUN. (AKNU)	ADL	65787	365	0.8448	308.3469
76	53	ANCHORAGE, PUN. (AKNU)	ADL	67201	334	0.9088	303.5536
77	53	ANCHORAGE, PUN. (AKNU)	ADL	73658	365	0.1213	44.2895
78	53	ANCHORAGE, PUN. (AKNU)	ADL	201555	365	0.6340	231.4188
79	53	ANCHORAGE, PUN. (AKNU)	ADL	201881	306	0.0067	2.0542
80	53	ANCHORAGE, PUN. (AKNU)	ADL	201920	365	0.0061	2.2345
81	53	ANCHORAGE, PUN. (AKNU)	ADL	201921	365	0.7075	258.2481
82	53	ANCHORAGE, PUN. (AKNU)	ADL	202708	0	0.0000	0.0000
83	53	ANCHORAGE, PUN. (AKNU)	ADL	202733	243	0.1560	37.8928
84	53	ANCHORAGE, PUN. (AKNU)	ADL	202997	365	0.7972	290.9809
85	53	ANCHORAGE, PUN. (AKNU)	ADL	203956	365	0.3620	132.1176
86	53	ANCHORAGE, PUN. (AKNU)	ADL	209828	365	0.0897	32.7920
87	53	ANCHORAGE, PUN. (AKNU)	ADL	215028	306	0.0080	2.4449
88	53	ANCHORAGE, PUN. (AKNU)	LAS	246	334	2.1471	717.1274
89	53	ANCHORAGE, PUN. (AKNU)	LAS	203	365	0.0070	17.1495
90	53	ANCHORAGE, PUN. (AKNU)	LAS	907	365	0.1525	55.6479
91	53	ANCHORAGE, PUN. (AKNU)	LAS	1947	153	0.0130	1.9878
92	53	ANCHORAGE, PUN. (AKNU)	LAS	2493	365	25.4060	9273.1900
93	53	ANCHORAGE, PUN. (AKNU)	LAS	2493	365	25.4060	9273.1900
94	53	ANCHORAGE, PUN. (AKNU)	LAS	3485	334	0.0208	6.9989
95	53	CHERRIER, KING & CHERRIER	LAS	1174	365	0.0703	25.6635
96	53	COOK INLET AQUACULTURE ASSOCIATION	ADL	215411	365	3.5342	1290.0002
97	53	COOK INLET AQUACULTURE ASSOCIATION	LAS	185	257	1.4472	371.9191
98	53	CRESTBROOK WATER ASSOC., INC.	ADL	206632	269	0.0124	3.3302
99	53	DIV. ADM. CONTR. & FAC. OFC., OFC	ADL	80511	365	1.8604	679.0321
100	53	DIV. ADM. CONTR. & FAC. OFC., OFC	ADL	206780	365	2.1570	787.3200
101	53	EKLUTNA UTILITIES, INC.	LAS	259	120	0.1134	13.6040
102	53	ERU, INC.	LAS	1059	273	0.0036	0.9926
103	53	HILLSIDE PARK HOMEOWNER'S ASSOCIATION	ADL	202909	365	0.0124	4.5226
104	53	KENAI CITY	ADL	53282	365	0.3577	130.5961
105	53	KENAI, CITY	ADL	53282	365	0.5238	191.1447
106	53	NORFOLK UTILITIES, INC.	ADL	209576	365	0.0020	0.7256
107	53	NORTH WOODS, INC.	ADL	74176	365	0.0318	11.6123
108	53	ORTNER, WALTER P.	LAS	2102	365	0.0023	0.8486
109	53	PALMER CITY	ADL	201324	365	0.6126	223.5994
110	53	SOLOOTNA CITY	ADL	40315	365	0.3097	113.0270

Table 4. Continued.

-----HYDROLOGIC UNIT=53-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
111	53	SOLDOTNA CITY	ADL	52342	153	0.0140	2.2694
112	53	SOLDOTNA CITY	ADL	205983	365	0.2441	89.1078
113	53	SOLDOTNA, CITY	ADL	210896	330	0.0077	2.5812
114	53	SOLDOTNA, CITY	LAS	11215	92	0.0006	0.0323
115	53	SOUTHPARK TERRACE HOMEOWNERS ASSOCIATION	ADL	209628	365	0.0230	8.3848
116	53	TESORO-ALASKAN PETROLEUM COMPANY	ADL	42906	274	0.0006	0.1548
117	53	TESORO-ALASKAN PETROLEUM COMPANY	ADL	42906	365	0.3350	122.2757
118	53	TURNER COMPANY	LAS	1270	214	0.0004	0.0839
119	53	U.S. DEPARTMENT OF ENERGY, A.P.A.	ADL	44904	365	189.0592	69006.6131
120	53	UNION CHEMICALS DIV, UNOCAL CO.	ADL	42514	365	1.1294	412.2489
121	53	UNION OIL COMPANY OF CA.	ADL	78675	365	0.5281	192.7602
122	53	UNION OIL OF CALIF.	ADL	203420	328	0.3169	102.6879
123	53	VALLI VUE ESTATES SUBDIVISION	ADL	200239	365	0.0578	21.1021
-----							101643.5268
HYDROLOGIC UNIT=53							

-----HYDROLOGIC UNIT=54-----									
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY		
124	54	HOMER, CITY	ADL	57850	265	0.2984	106.9007		
125	54	HOMER, CITY	ADL	57850	345	0.0375	13.6963		
126	54	SEWARD CITY	ADL	39936	365	0.2208	81.0881		
127	54	SEWARD CITY	ADL	39936	330	0.2615	87.3460		
128	54	SEWARD CITY	ADL	39936	62	0.4726	29.6750		
129	54	SEWARD CITY	ADL	39936	335	0.3329	113.5285		
130	54	SEWARD, CITY	ADL	210826	335	0.3729	124.9292		
131	54	TATILEK,VIL	ADL	76071	365	0.0002	0.0551		
132	54	VALDEZ CITY	ADL	46360	242	0.2628	63.5877		
133	54	VALDEZ, CITY	ADL	46360	345	0.3716	135.6435		
134	54	VALDEZ, CITY	ADL	209799	311	0.6726	211.0490		
135	54	VALDEZ, CITY	LAS	2698	363	0.0949	34.4469		
136	54	VALDEZ, CITY	LAS	2699	366	0.0228	8.3510		
137	54	VALDEZ, CITY	LAS	2700	270	0.3159	85.2892		
-----							1098.3861		
HYDRUNIT									

-----HYDROLOGIC UNIT=61-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
138	61	YAKUTAT, CITY	ADL	43340	305	0.1044	38.9002
139	61	YAKUTAT, CITY	ADL	43360	143	0.0221	4.0395
-----							42.9398
HYDRUNIT							

Table 4. Continued.

-----HYDROLOGIC UNIT=62-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
140	62	ALASKA ELECTRIC LIGHT & POWER COMPANY	ADL	45780	365	4.2476	1550.3561
141	62	HAINEB CITY	ADL	52025	365	-0.0175	6.2758
142	62	HAINEB CITY	ADL	53556	365	0.0044	1.6100
143	62	INDIAN COVE WATER COMPANY	ADL	43117	207	-0.0011	0.2236
144	62	JUNEAU CITY & BOROUGH	ADL	100066	365	2.1515	785.2880
145	62	JUNEAU CITY & BOROUGH	LAS	198	324	-0.0164	5.1052
146	62	JUNEAU CITY & BOROUGH	LAS	1942	365	0.6174	225.7649
147	62	KLUKWAH, CITY	LAS	3864	160	0.0309	4.5485
-----							2579.4720
-----HYDROLOGIC UNIT=63-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
148	63	PETERSBURG, CITY	LAS	6550	365	0.9396	342.9420
-----HYDROLOGIC UNIT=64-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
149	64	ANNEETTE ISLAND PACKING CO.	LAS	1000014	70	0.3284	22.9887
150	64	KETCHIKAN CITY	ADL	48794	365	3.7313	1361.9110
151	64	KETCHIKAN CITY	ADL	48795	365	1.2592	459.6000
152	64	METLAKATLA COLD STORAGE	LAS	1000014	70	0.1309	9.1614
153	64	METLAKATLA, CITY	LAS	1000014	284	0.7058	200.4549
154	64	SAXMAN, CITY	ADL	44121	365	0.0435	15.8720
-----							2069.9879
-----HYDROLOGIC UNIT=65-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
155	65	KODIAK, CITY	LAS	897	365	0.3145	114.7899
-----HYDROLOGIC UNIT=67-----							
OBS	HYDRUNIT	NAME	TYPE	NUMBER	DAYS	MGD	YEARLY
156	67	CHAD, CITY	ADL	62346	365	0.2274	83.1550
157	67	KASAAK, CITY	ADL	100911	334	0.0062	2.2679
-----							85.4229
-----							112126.8678

Appendix A.

Cross reference of file numbers to locations.

OBS	NAME	TYPE	NUMBER	CIO
1	ALAKANUK,VIL	LAS	11267	6343
2	ALASKA ELECTRIC LIGHT & POWER COMPANY	ADL	45780	124471
3	ALASKA ZOO	LAS	3260	174735
4	ALASKA ZOO	LAS	3261	174735
5	ALYESKA UTILITIES, INC.	LAS	1101	124675
6	ANCHORAGE SCHOOL DISTRICT	LAS	563	168395
7	ANCHORAGE SCHOOL DISTRICT	LAS	636	168395
8	ANCHORAGE, MUN. (AWWU)	ADL	44197	167803
9	ANCHORAGE, MUN. (AWWU)	ADL	44624	167803
10	ANCHORAGE, MUN. (AWWU)	ADL	44626	167803
11	ANCHORAGE, MUN. (AWWU)	ADL	45127	167803
12	ANCHORAGE, MUN. (AWWU)	ADL	45420	167803
13	ANCHORAGE, MUN. (AWWU)	ADL	50906	167803
14	ANCHORAGE, MUN. (AWWU)	ADL	50907	167803
15	ANCHORAGE, MUN. (AWWU)	ADL	50908	167803
16	ANCHORAGE, MUN. (AWWU)	ADL	50909	167803
17	ANCHORAGE, MUN. (AWWU)	ADL	50911	167803
18	ANCHORAGE, MUN. (AWWU)	ADL	50923	167803
19	ANCHORAGE, MUN. (AWWU)	ADL	50924	167803
20	ANCHORAGE, MUN. (AWWU)	ADL	50926	167803
21	ANCHORAGE, MUN. (AWWU)	ADL	50927	167803
22	ANCHORAGE, MUN. (AWWU)	ADL	51573	167803
23	ANCHORAGE, MUN. (AWWU)	ADL	52514	167803
24	ANCHORAGE, MUN. (AWWU)	ADL	54850	167803
25	ANCHORAGE, MUN. (AWWU)	ADL	54850	167803
26	ANCHORAGE, MUN. (AWWU)	ADL	54851	167803
27	ANCHORAGE, MUN. (AWWU)	ADL	62222	167803
28	ANCHORAGE, MUN. (AWWU)	ADL	63855	167803
29	ANCHORAGE, MUN. (AWWU)	ADL	65644	167803
30	ANCHORAGE, MUN. (AWWU)	ADL	65787	167803
31	ANCHORAGE, MUN. (AWWU)	ADL	67201	167803
32	ANCHORAGE, MUN. (AWWU)	ADL	73658	167803
33	ANCHORAGE, MUN. (AWWU)	ADL	201555	167803
34	ANCHORAGE, MUN. (AWWU)	ADL	201881	167803
35	ANCHORAGE, MUN. (AWWU)	ADL	201920	167803
36	ANCHORAGE, MUN. (AWWU)	ADL	201921	167803
37	ANCHORAGE, MUN. (AWWU)	ADL	202708	167803
38	ANCHORAGE, MUN. (AWWU)	ADL	202733	167803
39	ANCHORAGE, MUN. (AWWU)	ADL	202997	167803
40	ANCHORAGE, MUN. (AWWU)	ADL	203956	167803
41	ANCHORAGE, MUN. (AWWU)	ADL	209828	167803
42	ANCHORAGE, MUN. (AWWU)	ADL	215028	167803
43	ANCHORAGE, MUN. (AWWU)	LAS	246	167803
44	ANCHORAGE, MUN. (AWWU)	LAS	803	167803
45	ANCHORAGE, MUN. (AWWU)	LAS	907	167803
46	ANCHORAGE, MUN. (AWWU)	LAS	1947	166741
47	ANCHORAGE, MUN. (AWWU)	LAS	2493	167803
48	ANCHORAGE, MUN. (AWWU)	LAS	2493	167803
49	ANCHORAGE, MUN. (AWWU)	LAS	3485	167803
50	ANNETTE ISLAND PACKING CO.	LAS	1000014	154154
51	ARCO ALASKA INC.	ADL	400793	155174
52	ARCO ALASKA, INC.	LAS	2762	155174
53	ARCO ALASKA, INC.	LAS	2764	155174
54	ARCO ALASKA, INC.	LAS	2764	155174

OBS	NAME	TYPE	NUMBER	CID
55	ARCO ALASKA, INC.	LAS	2769	155174
56	CHERRIER, KING & CHERRIER	LAS	1174	163303
57	COOK INLET AQUACULTURE ASSOCIATION	ADL	215411	156400
58	COOK INLET AQUACULTURE ASSOCIATION	LAS	185	156400
59	CRAIG,CTY	ADL	62346	125358
60	CRESTBROOK WATER ASSOC., INC.	ADL	206632	125365
61	DILLINGHAM CITY	ADL	46054	125481
62	DIV. ADM. CONTR. & FAC. OFC., DFG	ADL	80511	124286
63	DIV. ADM. CONTR. & FAC. OFC., DFG	ADL	206780	124286
64	EAGLE VILLAGE	ADL	403885	154079
65	EEK, CITY	LAS	11320	7264
66	EKLUTNA UTILITIES, INC.	LAS	259	125573
67	ELIM, CITY	ADL	75895	125579
68	ERU, INC.	LAS	1059	162712
69	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	114790
70	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	114790
71	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	114790
72	FORT YUKON, CITY	LAS	11321	6292
73	GRAYLING, CITY	ADL	75908	125869
74	GRAYLING, CITY	ADL	75908	125869
75	HAINES CITY	ADL	52025	125925
76	HAINES CITY	ADL	53556	125925
77	HILLSIDE PARK HOMEOWNER'S ASSOCIATION	ADL	202909	165707
78	HOMER, CITY	ADL	57850	126046
79	HOMER, CITY	ADL	57850	126046
80	HOONAH, CITY	LAS	897	126050
81	HUSLIA, CTY	ADL	67133	126089
82	INDIAN COVE WATER COMPANY	ADL	43117	126102
83	JUNEAU CITY & BOROUGH	ADL	100066	126204
84	JUNEAU CITY & BOROUGH	LAS	198	126204
85	JUNEAU CITY & BOROUGH	LAS	1942	126204
86	KASAAN, CITY	ADL	100411	126238
87	KENAI CITY	ADL	53282	126275
88	KENAI, CITY	ADL	53282	126275
89	KETCHIKAN CITY	ADL	48794	126297
90	KETCHIKAN CITY	ADL	48795	126297
91	KING COVE, CITY	ADL	42595	126307
92	KLUKWAN, CITY	LAS	3864	126331
93	KODIAK, CITY	ADL	39797	126356
94	KODIAK, CITY	LAS	1145	126356
95	KODIAK, CITY	LAS	1257	126356
96	KOTZEBUE, CITY	ADL	401827	126367
97	LAGEN, WM. S. DBA TRIDENT SEAFOODS CORP.	ADL	62233	114842
98	MCGRATH, CITY	LAS	969	126607
99	METLAKATLA COLD STORAGE	LAS	1000014	154154
100	METLAKATLA, CITY	LAS	1000014	154154
101	NENANA,CTY	ADL	400616	126781
102	NOME, CITY	ADL	42993	126821
103	NOORVIK, CITY	ADL	75902	126822
104	NORFOLK UTILITIES, INC.	ADL	209576	126831
105	NORTH POLE, CTY	ADL	403254	126845
106	NORTH POLE,CTY	ADL	403254	126845
107	NORTH POLE,CTY	ADL	403254	126845
108	NORTH WOODS, INC.	ADL	74176	115001

OBS	NAME	TYPE	NUMBER	CID
109	ORTNER, WALTER P.	LAS	2102	167248
110	PALMER CITY	ADL	201324	127015
111	PETERSBURG, CITY	LAS	6550	127077
112	PORT LIONS, CTY	LAS	3357	127129
113	QUINHAGAK, CITY	LAS	11322	6293
114	SAINT MICHAEL,CTY	ADL	76070	127559
115	SAINT PAUL, CITY	LAS	3311	154092
116	SAND POINT, CITY	ADL	201803	127351
117	SAXMAN, CITY	ADL	44121	127363
118	SCAMMON BAY, CITY	ADL	46364	127365
119	SETTLERS BAY PROPERTIES, INC.	ADL	74699	127403
120	SETTLERS BAY PROPERTIES, INC.	ADL	74700	127403
121	SEWARD CITY	ADL	39936	127408
122	SEWARD CITY	ADL	39936	127408
123	SEWARD CITY	ADL	39936	127408
124	SEWARD CITY	ADL	39936	127408
125	SEWARD, CITY	ADL	210826	127408
126	SHAGELUKCTY	ADL	75856	127412
127	SHISHMAREF, CITY	ADL	75901	127428
128	SHISHMAREF, CITY	ADL	75901	127428
129	SHISHMAREF,CTY	ADL	75901	127428
130	SOHIO	ADL	66117	124848
131	SOHIO	ADL	75979	107377
132	SOLOOTNA CITY	ADL	40315	127502
133	SOLOOTNA CITY	ADL	52342	127502
134	SOLOOTNA CITY	ADL	206983	127502
135	SOLOOTNA, CITY	ADL	214896	127502
136	SOLOOTNA, CITY	LAS	11215	127502
137	SOUTHPARK TERRACE HOMEOWNERS ASSOCIATION	ADL	209628	177519
138	TATITLEK,VIL	ADL	76071	127661
139	TESORO-ALASKAN PETROLEUM COMPANY	ADL	42906	127684
140	TESORO-ALASKAN PETROLEUM COMPANY	ADL	42906	127684
141	TURNER COMPANY	LAS	1270	159325
142	U.S. DEPARTMENT OF ENERGY, A.P.A.	ADL	44944	173270
143	UNALAKLEET, CITY	LAS	11323	6295
144	UNION CHEMICALS DIV, UNOCAL CO.	ADL	42514	125261
145	UNION OIL COMPANY OF CA.	ADL	78075	127892
146	UNION OIL OF CALIF.	ADL	203480	106901
147	VALDEZ CITY	ADL	46360	127957
148	VALDEZ, CITY	ADL	46360	127957
149	VALDEZ, CITY	ADL	209799	127957
150	VALDEZ, CITY	LAS	2698	127957
151	VALDEZ, CITY	LAS	2699	127957
152	VALDEZ, CITY	LAS	2700	127957
153	VALLI VUE ESTATES SUBDIVISION	ADL	200239	127962
154	WALES, CITY	LAS	11324	6298
155	WASILLA,CTY	LAS	1141	128025
156	YAKUTAT, CITY	ADL	43340	128153
157	YAKUTAT,CTY	ADL	43340	128153

Appendix B

Standard Industrial Classification (SIC) code listing.

Standard Industrial Classification (S.I.C.) Code List

1. Select the "Division" from the list below.

DIVISION A - AGRICULTURE, FORESTRY & FISHING
 DIVISION B - MINING
 DIVISION C - CONSTRUCTION
 DIVISION D - MANUFACTURING
 DIVISION E - TRANSPORTATION, COMMUNICATIONS,
 ELECTRIC, GAS & SANITARY SVCS.

DIVISION F - WHOLESALE TRADE
 DIVISION G - RETAIL TRADE
 DIVISION H - FINANCE, INSURANCE & REAL ESTATE
 DIVISION I - SERVICES
 DIVISION J - PUBLIC ADMINISTRATION
 DIVISION K - NONCLASSIFIABLE ESTABLISHMENTS

2. Check the sub-heading as set out under each "division" on the list.
3. Select the little under the sub-heading which best describes your business activity.
4. Write the four-digit number that appears in front of your selection in the space provided on your application.
5. Numbers ending with 99 will indicate "nec." which means "not elsewhere classified."
6. If the S.I.C. Code that describes your business is printed in bold italics, you must meet additional regulatory requirements. Please see the instructions on the Alaska Business License Application.

DIVISION A. AGRICULTURE, FORESTRY, & FISHING

0100 Agricultural Production-Crops
 0134 Potatoes
 0150 Vegetables & Melons
 0170 Fruits & Tree Nuts
 0180 Horticultural Specialties
 0190 General Farms

 0200 Agricultural Production-Livestock
 0211 Beef Cattle
 0213 Hogs
 0214 Sheep & Goats
 0219 General Livestock
 0240 Dairy Farms
 0250 Poultry & Eggs
 0270 Animal Specialties
 0271 Fur Animals & Rabbits
 0272 Horses & Other Equines

 0700 Agricultural Services
 0710 Soil Preparation Services
 0720 Crop Services
 0722 Crop Harvesting
 0729 General Crop Services
 0740 Veterinary Services
 0741 Veterinary Svcs. Farm Livestock
 0752 Animal Specialty Services
 0750 Landscape & Horticultural Svcs.
 0781 Landscape Consulting & Planning
 0782 Lawn & Garden Services

 0800 Forestry
 0820 Forest Nurseries
 0830 Forest Services

 0900 Fishing, Hunting, & Trapping
 0910 Fish Buyer
 0911 Commercial Fishing
 0912 Furfish
 0913 Seelish
 0919 Misc. Marine Products
 0920 Fish Hatcheries & Preserves
 0970 Hunt, Trap, Game Propagation

DIVISION B. MINING

1000 Metal Mining
 1010 Iron Ores
 1020 Copper Ores
 1030 Lead & Zinc Ores
 1040 Gold & Silver Ores
 1080 Metal Mining Services
 1090 Metal Ores, nec.

 1100 Anthracite Mining

 1200 Bituminous Coal & Lignite Mining

 1300 Oil & Gas Extraction
 1310 Crude Petroleum & Natural Gas
 1320 Natural Gas Liquids
 1380 Oil & Gas Field Services
 1381 Drilling Oil & Gas Wells
 1382 Oil & Gas Exploration Services
 1385 Oil & Gas Field Services, nec.

 1400 Nonmetallic Minerals, Except Fuels
 1410 Dimension Stone
 1420 Crushed & Broken Stone
 1440 Sand & Gravel
 1450 Clay & Related Minerals
 1470 Chemical & Fertilizer Minerals
 1480 Misc. Nonmetallic Minerals
 1490 Nonmetallic Minerals, nec.

DIVISION C. CONSTRUCTION

1500 General Building Contractors
 1520 Residential Bldg. Construction
 1522 Residential Construction, nec.
 1530 Operating Builders
 1540 Nonresidential Bldg. Construction
 1542 Nonresidential Construction, nec.

 1600 Heavy Construction Contractors
 1610 Highway & Street Construction
 1620 Heavy Construction, Except Highway
 1622 Bridge, Tunnel, & Elevated Highway
 1623 Water, Sewer, & Utility Lines
 1629 Heavy Construction, nec.

DIVISION D. MANUFACTURING

1700 Special Trade Contractors
 1710 Plumbing, Heating, Air Conditioning
 1720 Painting, Paper Hanging, Decorating
 1730 Electrical Work
 1740 Masonry, Stonemasonry, & Plastering
 1750 Carpentry & Flooring
 1751 Carpentry
 1752 Floor Laying & Floor Work, nec.
 1760 Roofing & Sheet Metal Work
 1770 Concrete Work
 1780 Water Well Drilling
 1790 Misc. Special Trade Contractors
 1799 Special Trade Contractors, nec.

 2000 Food & Kindred Products
 2010 Meat Products
 2020 Dairy Products
 2030 Preserved Fruits & Vegetables
 2040 Grain Mill Products
 2050 Bakery Products
 2060 Sugar & Confectionary Products
 2070 Fats & Oils
 2080 Beverages
 2082 Milk Beverages
 2084 Wines, Brandy & Spirits
 2085 Distilled Liquor, Except Brandy
 2086 Bottled and Canned Soft Drinks
 2087 Flavored Extracts & Syrups, nec.
 2090 Misc. Foods & Kindred Products
 2091 Canned & Cured Seafoods
 2092 Fresh or Frozen Packaged Fish
 2097 Manufactured Ice
 2099 Food Preparations, nec.

 2100 Tobacco Manufacturers

 2200 Textile Mill Products
 2270 Floor Covering Mills
 2280 Yarn & Twined Mills
 2290 Misc. Textile Goods
 2299 Textile Goods, nec.

 2300 Apparel & Other Textile Products
 2350 Misc. Apparel & Accessories
 2390 Misc. Fabricated Textile Products

 2400 Lumber & Wood Products
 2410 Logging Camps & Contractors
 2420 Sawmills & Planing Mills
 2430 Millwork, Plywood, Structural
 2440 Wood Containers
 2450 Wood Buildings & Mobile Homes
 2451 Mobile Homes
 2452 Prefabricated Wood Buildings
 2490 Misc. Wood Products
 2498 Wood Products, nec.

 2500 Furniture & Fixtures
 2510 Household Furniture
 2520 Office Furniture
 2540 Partitions & Fixtures
 2580 Misc. Furniture & Fixtures
 2598 Furniture & Fixtures, nec.

 2600 Paper & Allied Products
 2610 Pulp Mills
 2620 Paper Mills, Except Blot. Paper
 2630 Paperboard Mills
 2640 Misc. Converted Paper Products
 2650 Paperboard Containers & Boxes
 2660 Building Paper & Board Mills

 2700 Printing & Publishing
 2710 Newspapers
 2720 Periodicals
 2731 Book Publishing
 2732 Book Printing
 2740 Miscellaneous Publishing
 2750 Commercial Printing
 2780 Manifold Business Forms
 2780 Printing Trade Services

 2800 Chemicals and Like Products
 2810 Industrial Inorganic Chemicals
 2820 Plastics and Synthetics
 2830 Drugs
 2840 Soap, Cleaners, & Toilet Goods
 2880 Industrial Organic Chemicals
 2870 Agricultural Chemicals
 2890 Misc. Chemicals Products

2900 Petroleum and Coal Products
 2910 Petroleum Refining
 2950 Paving & Roofing Material
 2990 Misc. Petroleum & Coal Products

 3000 Rubber & Misc. Plastics Products
 3070 Misc. Plastics Products

 3100 Leather and Leather Products
 3110 Leather Tanning and Finishing
 3130 Boot & Shoe Cut Stock & Findings
 3140 Footwear, Except Rubber
 3150 Leather Goods & Millions
 3170 Handbags & Personal Leather Goods
 3199 Leather Goods, nec.

 3200 Stone, Clay, and Glass Products
 3260 Pottery and Related Products
 3270 Concrete Gypsum & Plaster Products
 3280 Cut Stone & Stone Products
 3299 Nonmetallic Mineral Products, nec.

 3300 Primary Metal Industries

 3400 Fabricated Metal Products

 3500 Machinery, Except Electrical

 3600 Electric and Electronic Equipment

 3700 Transportation Equipment
 3710 Motor Vehicles & Equipment
 3720 Aircraft & Parts
 3730 Ship & Boat Building & Repairing
 3750 Motorcycles, Bicycles, & Parts
 3760 Misc. Transportation Equipment
 3782 Travel Trailers & Campers

 3800 Instruments and Related Products

 3900 Miscellaneous Manufacturing Industries
 3910 Jewelry, Silversmiths, & Plated Ware
 3911 Jewelry, Precious Metal
 3915 Jewellers, Watchmakers & Lapidary Work
 3930 Musical Instruments
 3940 Toys & Sporting Goods
 3960 Costume Jewelry & Novelties
 3990 Misc. Manufactures

DIVISION E. TRANSPORTATION & PUBLIC UTILITIES

4000 Railroad Transportation

 4100 Local & Interurban Passenger Transit
 4110 Local & Suburban Transportation
 4120 Taxicabs
 4130 Inter-city Highway Transportation
 4140 Transportation Charter Services
 4151 School Buses
 4170 Bus Terminal & Service Facilities

 4200 Trucking & Warehousing
 4210 Trucking, Local & Long Distance
 4220 Public Warehousing
 4230 Trucking Terminal Facilities

 4300 U.S. Postal Service

 4400 Water Transportation
 4410 Deep Sea Foreign Transportation
 4420 Deep Sea Domestic Transportation
 4450 Local Water Transportation
 4454 Towing & Tugboat Service
 4456 Local Water Transportation, nec.
 4480 Water Transportation Services
 4483 Marine Cargo Handling
 4489 Water Transportation Svcs., nec.

 4500 Air Transportation
 4510 Certified Air Transportation
 4520 Noncertified Air Transportation
 4580 Air Transportation Services
 4582 Airports & Flying Fields
 4583 Airport Terminal Services

 4600 Pipelines, Except Natural Gas
 4610 Pipelines, Except Natural Gas
 4612 Crude Petroleum Pipelines
 4613 Refined Petroleum Pipelines
 4619 Pipelines, nec.

