STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

Walter J. Hickel, *Governor*

Harold C. Heinze, *Commissioner*

Robert B. Forbes, *Director and State Geologist*

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the data as well as suggestions to improve the report.

Report of Investigations 90-2
SUMMARY OF WATER-USE DATA IN ALASKA, 1986

By
William A. Petrik

STATE OF ALASKA
Department of Natural Resources
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

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SUMMARY OF WATER-USE DATA IN ALASKA, 1986

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William A. Petrik¹

INTRODUCTION

The Alaska Water-Use Data System (AKWUDS), operated by the Alaska Division of Geological and Geophysical Surveys (DGGs), collects, stores, evaluates, and distributes water-use data for the purpose of conducting water-resource investigations, planning, adjudicating water rights, and facilitating sound economic development. DGGs cooperates closely with the U.S. Geological Survey (USGS) and the Alaska Division of Land and Water Management (DLWM) in operating AKWUDS.

The goal of AKWUDS is to establish and operate a statewide site-specific water-use database for most types of water use in Alaska, to coordinate with other water-use databases, and to publish water-use data. This report, the first annual summary of water use in Alaska published by DGGs, presents site-specific data reported during calendar year 1986 from 198 active water-use take points in Alaska. This report describes data collection, verification, storage, and presentation methods. Water-use data were collected from 81 unique user groups. Most of these data (68 percent) are from public-water supplies in 63 Alaskan communities. Thirty-five reported water-use data points from crude petroleum and natural gas related use constitute the next largest group (18 percent) in this report. AKWUDS contains only sporadic data in other water-use categories such as agricultural, commercial, or industrial water supply. This report also describes the location and accessibility of other publicly available water-use data in Alaska.

ACKNOWLEDGMENTS

This report was funded through a cooperative program with the U.S. Geological Survey. Jim Jurgens of the Department of Natural Resources (DNR) Division of Management provided valuable computer assistance transferring data files from the Land Administration System (LAS) water subsystem to the Data General computer and then translating them into usable format. John Cacy, also of the DNR Division of Management, provided the original LAS water-use subsystem database extraction onto tape. Leslie Patrick and Liska Snyder (USGS) reviewed first drafts, and Bill Long (DGGs) reviewed final phases of the preliminary report. Special thanks to Jim Munter (DGGs) who provided technical review and comments. Initial review of the final report was performed by Steve Mack and Scott Ray, both of DGGs.

SOURCES OF ALASKA WATER-USE DATA

Statewide summaries which contain reported data and estimates for all types of water use in Alaska are published at 5-year intervals by the USGS (U.S. Geological Survey, 1983, 1985). Monthly reports of oil, gas, and water production, and injection wells serving the oil and gas industry in Alaska are published in the Alaska Oil and Gas Conservation Commission (AOGCC) Bulletin; AOGCC reports are available from the early 1960's to the present, encompassing virtually the entire history of oil and gas production in Alaska. Monthly AOGCC reports are summarized each year in the February issue. Oil- and gas-related water-use data that appear in RI 90-2, however, are collected not from the AOGCC Bulletin but from water rights reports.

Water-use records for hydroelectric power generation were obtained from only three facilities in Alaska for this report. Hydroelectric power generation water-use data are also available for at least ten facilities in Alaska. The U.S. Department of Energy, Alaska Power Administration, maintains manual files of water-use data for two hydroelectric projects. The Alaska Energy Authority (AEA, formerly Alaska Power Authority) has four hydroelectric projects for which outflow streams are gaged and average water-use calculated (Eric

¹Alaska Division of Geological and Geophysical Surveys, 3700 Airport Way, Fairbanks, Alaska 99709-4699.

Marchegiani, Alaska Power Authority, oral commun., 1987). These data are published by USGS in their annual report series, "Water Resources Data - Alaska." Other hydroelectric water-use data can be obtained directly from power plant managers.

Most water-use data in Alaska are obtained through the water rights system administered by DLWM. Many water users are required to submit water-use data to DLWM as a condition of their water-use permits. DLWM maintains computer files of all water rights holders on a LAS database, which contains numerous databases, including water rights and water-use subsystems. Water-use data are entered in a separate, but related, working area of the LAS and maintained by AKWUDS personnel.

Alaska Department of Natural Resources (DNR) Division of Mining water-use estimates are available from approximately 500 active Alaskan placer mining claim applications per year, which are entered in LAS and reviewed by DLWM for water rights issuance. No placer mining water-use data were included in RI 90-2. Most of the reliable water-use data for placer mining in Alaska are calculated during DLWM's water rights adjudication process and are classified by type of placer mining equipment in use. In southcentral Region of DLWM, 384 permits, several certificates, and 31 applications for mining water rights were pending as of September 1989 (G.J. Prokosch, DLWM, oral commun., 1989).

ACQUISITION OF WATER-USE DATA

AKWUDS water-use data are acquired from:

- 1) photocopies of raw water-use records submitted to DLWM;
- 2) monthly water-use data requested from selected water users in an annual questionnaire; and
- 3) telephone requests for water-use information from individuals, businesses, or other government agencies.

The first method of obtaining AKWUDS 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 or more, and those 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). DNR Division of Management produces a monthly list of all permitted or certified water rights holders required to submit water-use data. This printout is used to determine which applicants have water-use records available in DLWM's manual files that can be used by AKWUDS.

The second method of acquiring AKWUDS water-use data is a questionnaire packet sent directly to the water user, asking for voluntary submittal of water-use data. 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 AKWUDS staff. 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. The questionnaire packet also requests information on type and location of water sources and historic water-use data not yet submitted. Criteria used to select questionnaire recipients are: (1) they have received questionnaires in previous years; (2) they are a community with its own public water-supply system; or (3) they are in an area of hydrologic interest to the State.

After DGGs assumed responsibility for the entire AKWUDS project from DLWM in 1986, most of the documented water users from previous years were asked to report water use to DGGs. The main criterion used by DLWM for selecting an AKWUDS water-use site was that it be a public supplier. DGGs also includes public water supply as a major water-use type in Alaska, because the State has an interest in documenting quantity and quality of water used by public water systems. In addition, DGGs surveys water users in areas of hydrologic interest to the State. Many entities asked to report water use are being monitored for possible deletion from the AKWUDS because of non-cooperation or reporting poor quality

data. Generally, sites chosen by DLWM for water-use data reporting continue to be asked by DGGs to cooperate, because the quality of information received is at least adequate.

The third method of obtaining AKWUDS water-use data involves making personal contact by telephone or mail, when water-use data cannot be acquired through DLWM or the questionnaire packet. When monthly water-use reports from DLWM are missing or monthly water-use questionnaire mailers lost or delinquent, mail or telephone inquiries are made to fill these gaps in data. DLWM personnel are contacted to make sure there are no missing reports available before reporting parties are contacted regarding missing data. If water-use reporting is a requirement of water right permit issuance, DLWM personnel pursue the acquisition of missing water-use data. Otherwise AKWUDS personnel attempt to obtain these data. Sometimes telephone contact is more effective because the feedback is immediate.

METHODS OF DATA COLLECTION

Water-use data are collected through use of water meters, weir techniques, pumping rate and time measurements, and reservoir level change calculations. Water use is most commonly recorded and reported monthly (84 percent - 166 responders). For some systems, use is recorded on a daily, quarterly, semi-annual, or annual basis. Approximately 4 percent of all reports record water use on a quarterly basis (7 responders), and approximately 15 percent of the reports are sent either as daily meter records (22 responders) or as water-use quantities that have to be calculated and converted into monthly totals (7 responders). Only 1 percent of all reported water-use data are acquired as semi-annually or annually recorded data (1 responder). About 4 percent (8 responders) of all monthly recorded water-use reports also include daily meter readings. Data are usually collected at well heads or at inlets or outlets of storage tanks, or water or wastewater treatment facilities. These reports are stored in AKWUDS manual files.

Some communities in Alaska do not have equipment for measuring actual water use but provide estimates based on past data and recent events in their community. Although these estimates are included under the term "water-use data" in this report, they are specifically noted as estimates in the data tables. Similarly, most hydroelectric power generation sites measure water use in cubic feet per second (cfs) or acre-feet (AF), and fish hatcheries measure gallons per minute (gpm). Quantities reported as such have been converted to million gallons per day (MGD) and are noted as "calculated" in the data tables.

VERIFICATION AND STORAGE OF DATA

Water-use reports are date-stamped when received, then checked-in on a spreadsheet and tracked for timeliness, missing report months, and correspondence sent to water users. Reported water-use data are checked for obvious clerical or reporting errors, then manually synthesized into monthly and yearly water-use averages, by a calculator. The calculations sheet is stored in manual files after these water-use data are entered in the LAS database as monthly totals, along with information about the number of days per month that water was used or that data are available. Additionally, information such as location, type of water source, type of records, type of use, and qualitative accuracy are entered. These data are available to any LAS user familiar with water rights computer files.

To classify types of water use, AKWUDS utilizes the Standard Industrial Classification (SIC) system, described by the U.S. Office of Management and Budget (1987) as follows:

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 conducted, and other measures of economic activity.

The SIC system designates different types of business activities by 4-digit codes (app. F). An SIC code is assigned to each water user and entered into the LAS system. In addition to classification of water use by type of business activity or establishment, hydrologic unit codes (shown in fig. 1) are assigned.

To provide more flexibility in data manipulation and retrieval, 1988 water use data were transferred from the LAS system to a Data General MV-8000 minicomputer known as the "geoprocessor." This computer has geographic information system capabilities and commercially available statistical software packages (SAS and SASGRAPH). The data presented in this report came from geoprocessor files duplicated from the original LAS database.

All reported water users are assigned unique LAS file numbers. Approximately 94 percent (186 responders) of all reported water users have some form of water rights: 42 percent are certificated, 30 percent are permitted, 5 percent are applications, and 17 percent are closed; the remaining 6 percent (12 responders) are recorded as active water data points and do not have water rights. Priority dates of water rights are stored in the database under the water rights inquiry (WRI) screen data.

RESULTS

Table 1 summarizes types of reported water-use data in Alaska for 1986. In reporting frequency, public water supplies constitute the dominant category of data, representing the major communities and many smaller ones from all geographic areas in Alaska. Water-use data are also reported from a diverse array of other water-using establishments.

Table 1. *Types of water-use reported in Alaska, 1986*

SIC ^a category	Number of sources	Percent of total users
Public water supplies	134	68
Crude petroleum and natural gas	35	18
Aquaculture	5	3
Seafood processing	4	2
Hydroelectric power generation	3	2
Petroleum refining	3	2
Crude petroleum pipeline services	2	1
Elementary schools	2	1
Nitrogenous fertilizer manufacture	2	1
Recreational services	2	1
Sewerage systems	2	1
Zoological gardens	2	1
Other (car washes and heavy construction)	<u>2</u>	<u>1</u>
TOTAL	198	102

^aStandard Industrial Classification code (see app. F).

A comparison of types of water-use is presented in table 2. Appendix A contains complete explanations of data parameters and appendix B contains a complete data listing ordered by facility name. Appendix C provides a cross reference between commonly used facility names and file numbers with LAS customer identification numbers for use in locating site specific data in appendix B. Appendix D contains an abbreviated printout of the data ordered by SIC codes, and appendix E contains an abbreviated printout ordered by hydrologic unit code.

Figure 1. AKWUDS generalized hydrologic unit map of Alaska showing the two-digit hydrologic unit code for using facility (modified from U.S. Geological Survey, 1973).

Table 2. Comparison of water-use in Alaska by types of withdrawal, 1986

SIC ^a code	Description	Transferred water (MG) ^b	%TW ^c	Ground water(MG)	%GW ^d	Surface water(MG)	%SW ^e	Total (MG)	% of total	% of total TW	% of total GW	% of total SW
921	Aquaculture	13463.8259	88	1838.2712	12			15302.0971	8.58	100.00	13.72	-
1311	Crude petroleum and natural gas	-	-	-	-	225.4045	100	225.4045	.13	-	-	.15
1629	Heavy construction	-	-	1.8711	100	-	-	1.8711	<.01	-	.01	-
2091	Canned and cured seafoods	-	-	-	-	51.4690	100	51.4690	.03	-	-	.03
2092	Fresh and frozen seafoods	-	-	32.1501	70	13.6963	30	45.8464	.03	-	.24	.01
2873	Nitrogenous fertilizers	-	-	707.6970	100	-	-	707.6970	.40	-	5.28	-
2911	Petroleum refining	-	-	122.4305	100	-	-	122.4305	.07	-	.91	-
4612	Crude petroleum pipelines	-	-	3.7756	100	-	-	3.7756	<.01	-	.03	-
4912	Hydroelectric power generation	-	-	-	-	132981.6742	100	132981.6742	74.53	-	-	87.74
4941	Public water supply	-	-	10689.3215	55	8705.6426	45	19394.9641	10.87	-	79.77	5.74
4952	Sewerage systems	-	-	-	-	9584.1901	100	9584.1901	5.37	-	-	6.32
7542	Car washes	-	-	.8486	100	-	-	.8486	<<.01	-	.01	-
7999	Recreational services	-	-	3.2615	100	-	-	3.2615	<.01	-	.02	-
8211	Elementary and secondary schools	-	-	.9414	100	-	-	.9414	<<.01	-	.01	-
8422	Zoological gardens	-	-	.4110	100	-	-	.4110	<<.01	-	<.01	-
TOTAL		13463.8259	7.55	13400.9735	7.51	151562.0767	84.94	178426.8821	100.02	100.00	100.00	99.99

^aStandard Industrial Classification code (see app. F).^bMG = million gallons.^cTW = transferred water.^dGW = ground water.^eSW = surface water.

Total reported 1986 water use in Alaska was 178,427 million gallons (MG). Hydroelectric power generation was the largest reported water use in Alaska in 1986 (132,982 MG) (table 2); this total included one federal and two municipal or borough hydroelectric facilities operating in Alaska during 1986. Hydroelectric water usage varies seasonally as a result of low summer and high winter electrical demand patterns.

The second largest and most frequently reported use of water is public water supplies (19,395 MG). The reporting frequency results, at least partly, from the emphasis of the AKWUDS program on collecting these types of data. To avoid confusion, it must be pointed out that DNR has not formally defined "public water supplier." In water rights adjudications, DLWM uses the criterion of 5 or more homes on a single water system to assign the SIC code 4941 for a public water supplier (G.J. Prokosch, DLWM, oral commun., 1989). The SIC Manual (U.S. OMB, 1987) defines water supply as "establishments primarily engaged in distributing water for sale for domestic, commercial, and industrial use." The DLWM definition of a public water system used in this report differs from the SIC definition used by Alaska Department of Environmental Conservation (DEC). DEC (1982) defines a public water system as: "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 or other similar facility, but does not include a system serving only a single-family residence."

DEC lists 3,148 active public water systems in Alaska (K.L. Lindley, DEC, written commun., 1989), 143 of which are among the 198 sources contained in this report. The discrepancy between the 143 DEC-listed public water systems and the 134 public water suppliers contained in this report (table 1) is attributable to the greater number of classification categories of the SIC system compared to the DEC system. A large number of the approximately 3,005 public water systems not contained in this report are relatively small systems. This illustrates, however, that even within a water-use category emphasized in the AKWUDS program, a significant amount of water use may be unreported.

Fifty-two percent of all reported water use occurred in the East Cook Inlet area comprising the Municipality of Anchorage (including Eagle River and Girdwood), Palmer, Kenai, Soldotna, and Homer. The next highest area of reported water use (35 percent) occurred in the Sitka area (hydrologic unit 66, fig. 1). The major water use in these areas was hydroelectric. Exclusive of hydroelectric water use, the percentages of reported water use were 53 percent in the East Cook Inlet area, 29 percent in the Prince William Sound area, and between 2 and 5 percent in 3 other hydrologic units. East Cook Inlet area accounted for 69 percent of all water use in Alaska, exclusive of water use reported for aquaculture and hydroelectric, and the Fairbanks area was next, at 7 percent.

Water use in Alaska is typically dominated by hydroelectric power generation (75 percent) and public water supply (11 percent); aquaculture water use was the third greatest use reported (9 percent). All reported water-use for hydroelectric power generation was surface water as was most reported aquaculture use. Surface water therefore constitutes the major source for reported water withdrawal in Alaska.

Excluding hydroelectric power generation, public water supply was the dominant water-use type in 1986, at 43 percent, followed by aquaculture, 34 percent, and sewerage systems at 21 percent. Excluding both hydroelectric and aquaculture water use, public water supply was 64 percent and sewerage systems 32 percent of reported use.

DISCUSSION

Water-use data reported here do not always accurately represent the actual level of water use in Alaska. Field verification by AKWUDS personnel of water-users' data collection procedures does not occur. Water meters are commonly uncalibrated, especially in smaller communities, and leaky water-supply lines exist. Many water users with large leakage problems are smaller communities who have inadequate funding for maintenance or communities whose shallowly buried water supply lines are subject to freezing and bursting.

Additionally, even though public water supplies are normally used year-round, some data are missing for 19 of the 198 sources listed in appendix B.

As previously stated, this report does not describe all water use in Alaska in 1986. In addition to omitting data available elsewhere on hydroelectric use, oil and gas related water extraction, and placer mining use, water is estimated to have been used in Alaska in significantly greater quantities than are reported here for public water-supply, agriculture, seafood processing, manufacturing, and retail trade (U.S. Geological Survey, 1985). Considering all uses of water, the USGS (1985) estimated that 707,005 MG of water was used during 1985. Assuming no significant change between 1985 and 1986, this would imply that only approximately 25 percent of all water use is reported here.

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APPENDIX A

Explanation of terms

APPENDIX A

Explanation of terms

The following explanations of headings and abbreviations in this report are listed in the order in which they appear in appendix B through E.

PAC NAME or FACILITY NAME	The name of the water-using facility or installation withdrawing, returning, delivering, or releasing water.
FILE, TYPE, FILE TYPE, FILE NUMBER	A unique combination of the File Type and Number assigned to the case. File types are initiated from the Alaska Division of Lands (ADL) and Land Administration System (LAS), respectively. File may be split into TYPE and NUMBER for some tables.
CID	The Customer Identification Number; a unique six-digit LAS code used to identify the customer. Established when new customers are initiated.
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 from which the longitude of the using facility is measured (Alaska meridians are Copper River, Fairbanks, Katcel, Seward, and Umiat).
TOWN	The township where the using facility is located.
RANGE	The range where the using facility is located.
SEC	The section number where the using facility is located.
QQ, Q	Aliquot parts of a section, describing location of using facility. Quarter-quarter (QQ), and quarter (Q) sections designated NE, NW, SW, or SE.
CN	The number of chains north of the south line of the section. A chain equals 66 ft.
CW	The number of chains west of the east 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 a water source and using facility.
FS	An assigned sequential number used to differentiate two or more facilities with the same water rights number, withdrawal sequence, and use code.
USECODE or USE CODE	A one-character code expanded to a word and used to describe the nature of the water use: W = WITHDRAWAL from a water body D = DELIVERY to the using facility T = RELEASE from the using facility R = RETURN to the water body

WS	A unique two-digit sequence code, within a facility, to identify a specific withdrawal, delivery , release, or return of water. Facilities having many sources or returns may have several unique withdrawal/return sequence codes.																			
USETYPE or USE TYPE	<p>The type of water body from which water is withdrawn or returned by the using facility. TYPE codes include:</p> <ul style="list-style-type: none">- Ground water (GW)- Surface water (SW)- Transferred water (TW) (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	<p>The National Water Use Data System sub-category code that pertains to the water-use. NWUDS codes include:</p> <table><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 or SIC CODE	Standard Industrial Classification (SIC) code applicable to the type of water-use (see app. F).																			
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.																			
PERIOD	The span of time over which water-use reports are based: monthly, quarterly, or yearly.																			
ACCURACY	<p>Code indicating the accuracy of the methods used by the facility to measure water quantity:</p> <table><tr><td>Excellent-</td><td>the figure for the amount of water used is accurate to within 5 percent of the actual value</td></tr><tr><td>Good-</td><td>the figure for the amount of water used is accurate to within 5 to 10 percent of the actual value</td></tr><tr><td>Fair-</td><td>the figure for the amount of water used is accurate within a range of 10 to 25 percent of the actual value</td></tr><tr><td>Poor</td><td>the figure for the amount of water used contains more than a 25 percent error.</td></tr></table> <p>The code used is subjectively determined by conversations with meter readers and individuals reporting data. The degree of accuracy can sometimes be determined absolutely by meter calibrations or by actual measurements with other types of flow meters. In instances where accuracy cannot be reasonably determined, the code chosen is Fair or Poor, depending on condition of equipment used or methods.</p>		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.										
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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.																			

MONTHS	The number of months in the reporting 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 unreported or missing data.																																				
DAYS	The number of days per year that the water source was reported to have been used.																																				
DAILY AVG or DAILYAVG	The average daily amount of water used per day, computed on the number of days the water source was reportedly used during the year. Reported in MGD.																																				
YEARLY AVG	The average daily amount of water used per day, computed on the number of days in the report year. Reported in MGD. This entry is not calculated and a "." will appear if water-use reports for the calendar year are incomplete. Length of report years may vary from calendar years. YEARLY AVG may differ from DAILY AVG.																																				
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. May be indeterminate because of poor or missing data, and field will be blank.																																				
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. May be indeterminate because of poor or missing data, and field will be blank.																																				
HYD	<p>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 map series shows drainage, culture, and hydrologic boundaries. The codes are:</p> <table> <tr> <td>11 - Eastern Arctic Slope</td><td>51 - Kodiak/Eastern Alaska Peninsula</td></tr> <tr> <td>12 - Colville River System</td><td>52 - Western Cook Inlet</td></tr> <tr> <td>13 - Western Arctic Slope</td><td>53 - Eastern Cook Inlet</td></tr> <tr> <td></td><td>54 - Prince William Sound/Eastern Kenai</td></tr> <tr> <td>21 - Kotzebue Sound</td><td>55 - Copper River System</td></tr> <tr> <td>22 - Norton Sound</td><td></td></tr> <tr> <td></td><td>61 - Icy Bay/Yakutat Bay</td></tr> <tr> <td>31 - Canadian Drainage</td><td>62 - Southeast Alaska Mainland - North</td></tr> <tr> <td>32 - Upper Yukon</td><td>63 - Southeast Alaska Mainland - Central</td></tr> <tr> <td>33 - Middle Yukon</td><td>64 - Southeast Alaska Mainland - South</td></tr> <tr> <td>34 - Tanana River System</td><td>65 - Southeast Alaska Islands - North</td></tr> <tr> <td>35 - Koyukuk River System</td><td>66 - Southeast Alaska Islands - Central</td></tr> <tr> <td>36 - Lower Yukon</td><td>67 - Southeast Alaska Islands - South</td></tr> <tr> <td></td><td></td></tr> <tr> <td>41 - Kuskokwim River System</td><td></td></tr> <tr> <td>42 - Bristol Bay</td><td></td></tr> <tr> <td>43 - Eastern Aleutians</td><td></td></tr> <tr> <td>44 - Western Aleutians</td><td></td></tr> </table>	11 - Eastern Arctic Slope	51 - Kodiak/Eastern Alaska Peninsula	12 - Colville River System	52 - Western Cook Inlet	13 - Western Arctic Slope	53 - Eastern Cook Inlet		54 - Prince William Sound/Eastern Kenai	21 - Kotzebue Sound	55 - Copper River System	22 - Norton Sound			61 - Icy Bay/Yakutat Bay	31 - Canadian Drainage	62 - Southeast Alaska Mainland - North	32 - Upper Yukon	63 - Southeast Alaska Mainland - Central	33 - Middle Yukon	64 - Southeast Alaska Mainland - South	34 - Tanana River System	65 - Southeast Alaska Islands - North	35 - Koyukuk River System	66 - Southeast Alaska Islands - Central	36 - Lower Yukon	67 - Southeast Alaska Islands - South			41 - Kuskokwim River System		42 - Bristol Bay		43 - Eastern Aleutians		44 - Western Aleutians	
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JANUARY... DECEMBER	The quantity of water (in MGD) used during the named month. The entry "0.0000" indicates no water-use during the month. The entry " ." indicates no records available for the month.																																				
OBS	The sequential order of data entry in appendix C, D, and E.																																				
MG/YEAR	The cumulative amount of water used in a calendar year. Obtained by multiplying DAYS and DAILYAVG.																																				

APPENDIX B

Summary of 1986 Alaska water-use data by facility name

(Each facility listed in appendix B has four lines of data listed that comprise a complete record. Generally, there are nine records per page. The header on top of each page lists the fields of data that exist in each record, line for line. Appendix A contains explanations of appendix B headings and abbreviations.)

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FACILITY NAME			FILE	CID	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RANGE	SEC	QQ	Q	CN	CW
SOURCE/DESTINATION					STATUS DESCRIPTION		FS	USE CODE		WS	USE TYPE		NWUDS	
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS		DAILY AVG	YEARLY AVG	MAX. MONTH		MIN. MONTH		HYD	
JANUARY	FEBRUARY		MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER		DECEMBER	
ALAKANUK, VILLAGE OF ALUKONUK SLOUGH/VILLAGE OF ALAKANUK #941 0.0059	METERED 0.0056	MONTHLY	LAS 11267	6343	624007.0	1643914.4 W	SEWARD	030N	082W	21	NE	NE	0	0
					ACTIVE DATA POINT		1	WITHDRAWAL	1		SURFACE WATER	WATER SUPPLIER		
			FAIR	12	365		0.0063	0.0063			JULY	36		
			0.0056	0.0060	0.0055	0.0042	0.0027	0.0083	0.0083	0.0083	0.0083	0.0083		
ALASKA ELECTRIC LIGHT & POWER COMPANY SALMON CREEK/LOWER SALMON CREEK POWERHSE #912 10.4265	METERED 26.1153	MONTHLY	ADL 45780	124471	582031.0	1342401.3 W	COPPER RIVER	041S	067E	2	NE	SE	30	13
					CERTIFICATE REVIEWED		1	WITHDRAWAL	1		SURFACE WATER	HYDROELECTRIC POWER		
			FAIR	12	365		4.2476	4.2476	APRIL		JANUARY	62		
			17.0616	40.9736	31.2844	27.5312	34.6277	40.9653	38.1947	36.4831	37.4790	20.5765		
ALASKA POWER AUTHORITY, DCED 80' WELL/BRADLEY LAKE CONSTRUCTION CMP 1629	METERED	MONTHLY	LAS 2838	124562	594549.2	1505716.1 W	SEWARD	005S	010W	10	NW	NE	69	22
					PERMIT ISSUED		1	WITHDRAWAL	1		GROUNDWATER	WATER SUPPLIER		
			GOOD	5	106		0.0177					53		
							0.0273	0.0135		0.0153	0.0367	0.0137		
ALASKA ZOO 1 WELLS/ELEPHANT & POLAR BEAR HOUSES #422	METERED	MONTHLY	LAS 3260	174735	610732.0	1494728.0 W	SEWARD	012N	003W	15	SE	SW	13	52
					APPLICATION ACCEPTED		1	WITHDRAWAL	1		GROUNDWATER	COMMERCIAL		
			GOOD	3	77		0.0022					59		
										0.0031	0.0021	0.0016		
ALASKA ZOO WELL/PUMPHOUSE & PUBLIC USE #422	METERED	MONTHLY	LAS 3261	174735	610726.0	1494723.9 W	SEWARD	012N	003W	15	SE	SW	3	49
					APPLICATION ACCEPTED		1	WITHDRAWAL	1		GROUNDWATER	COMMERCIAL		
			GOOD	3	78		0.0031					59		
										0.0029	0.0031	0.0032		
ALYESKA PIPELINE SERVICE COMPANY WELL/PUMP STATION #3 4612	METERED	MONTHLY	ADL 64153	124668	685026.5	1484934.4 W	UMIAT	007S	014E	16	NW	NW	66	77
					CERTIFICATE ISSUED		1	WITHDRAWAL	1		GROUNDWATER	WATER SUPPLIER		
			GOOD	10	306		0.0047					11		
			0.0049	0.0050	0.0052	0.0048	0.0065	0.0044	0.0041	0.0041	0.0043	0.0038		
ALYESKA PIPELINE SERVICE COMPANY 40' WELL/PUMP STATION #5 4612	METERED	MONTHLY	ADL 401822	124668	664914.5	1504039.5 W	FAIRBANKS	023N	014W	18	SE	NW	47	51
					CERTIFICATE ISSUED		1	WITHDRAWAL	1		GROUNDWATER	INDUSTRIAL		
			GOOD	12	365		0.0064		JUNE		FEBRUARY	35		
			0.0050	0.0043	0.0061	0.0114	0.0068	0.0051	0.0127	0.0051	0.0054	0.0053		
ALYESKA UTILITIES, INC. WELL 1/ALYESKA UTILITIES, INC. #941	METERED	MONTHLY	LAS 1101	124675	605750.0	1490643.6 W	SEWARD	010N	002E	16	NE	NW	76	56
					PERMIT ISSUED		1	WITHDRAWAL	1		GROUNDWATER	WATER SUPPLIER		
			FAIR	12	365		0.0592	0.0592				53		
			0.0754	0.0413	0.0413	0.0413	0.0537	0.0537	0.0537	0.0668	0.0668	0.0668		
ANCHORAGE SCHOOL DISTRICT WELL/BEAR VALLEY ELEMENTARY #211	METERED	MONTHLY	LAS 543	168395	610504.0	1494440.3 W	SEWARD	012N	003W	35	NE	SE	24	7
					CERTIFICATE ISSUED		1	WITHDRAWAL	1		GROUNDWATER	WATER SUPPLIER		
			GOOD	12	347		0.0015	0.0015	DECEMBER		JULY	53		
			0.0018	0.0017	0.0019	0.0010	0.0010	0.0010	0.0018	0.0016	0.0018	0.0020		

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FACILITY NAME			FILE	CID	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RANGE	SEC	QQ	Q	CN	CW	
SOURCE/DESTINATION			STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS			
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH		HYD				
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER				
ANCHORAGE SCHOOL DISTRICT WELL/RAVENWOOD ELEMENTARY SCHOOL 8211 METERED MONTHLY 0.0016 0.0017			LAS 636	168995	611822.0 PERMIT ISSUED 331	1493001.7 W 1 0.0012	SEWARD WITHDRAWAL 0.0011	014N 1 SEPTEMBER	001W 1 0.0016	17 GROUNDWATER	SW NW	NW S3	52 62		
ANCHORAGE, MUN. (AWWU) EAGLE RIVER #7, SUNNYSLOPE/AWWU 4941 METERED MONTHLY 0.0537 0.0560			ADL 44197	167803	611926.5 CERTIFICATE ISSUED 365	1493333.9 W 1 0.0642	SEWARD WITHDRAWAL 0.0642	014N 1 DECEMBER	002W 1 0.0647	12 GROUNDWATER	NW NW	NW S3	71 61		
ANCHORAGE, MUN. (AWWU) WELL #3/ANCHORAGE, MUN. (AWWU) 4941 METERED MONTHLY 0.8443 0.9447			ADL 44626	167803	611314.0 CERTIFICATE ISSUED 365	1495132.1 W 1 0.3316	SEWARD WITHDRAWAL 0.3316	013N 3 FEBRUARY	003W 3 0.1072	17 GROUNDWATER	SW NW	NW S3	59 62		
ANCHORAGE, MUN. (AWWU) WELL #4/ANCHORAGE, MUN. (AWWU) 4941 METERED MONTHLY 0.3635 0.5588			ADL 44626	167803	611330.0 CERTIFICATE ISSUED 365	1494931.0 W 1 0.3648	SEWARD WITHDRAWAL 0.3648	013N 4 APRIL	003W 4 0.2336	9 GROUNDWATER	SE SW	SW S3	3 52		
ANCHORAGE, MUN. (AWWU) WELL #44, BROOKWOOD #1/ANCHORAGE 4941 METERED MONTHLY 0.0147 0.0157			ADL 45127	167803	610633.0 CLOSED 365	1495015.8 W 1 0.0201	SEWARD WITHDRAWAL 0.0201	012N 1 JUNE	003W 1 0.0169	20 GROUNDWATER	SW SE	SE S3	2 17		
ANCHORAGE, MUN. (AWWU) WELL #34, HOLLOWBROOK/ANCHORAGE 4941 METERED MONTHLY 0.1265 0.1938			ADL 45420	167803	610913.0 CERTIFICATE ISSUED 365	1495145.4 W 1 0.3163	SEWARD WITHDRAWAL 0.3163	012N 1 JUNE	003W 1 0.3758	6 GROUNDWATER	SE SE	SE S3	8 3		
ANCHORAGE, MUN. (AWWU) WELL #20/ANCHORAGE, MUN. (AWWU) 4941 METERED MONTHLY 0.1160 0.1503			ADL 50906	167803	611305.0 CERTIFICATE ISSUED 365	1494500.1 W 1 0.2017	SEWARD WITHDRAWAL 0.2017	013N 1 NOVEMBER	003W 1 0.2262	14 GROUNDWATER	SE NE	NE S3	45 11		
ANCHORAGE, MUN. (AWWU) WELL #40, DIMOND HIGH SCHOOL/ANCHORAGE 4941 METERED MONTHLY 0.5606 0.5825			ADL 50907	167803	610834.0 CERTIFICATE ISSUED 365	1495549.8 W 1 0.6053	SEWARD WITHDRAWAL 0.6053	012N 1 JUNE	004W 1 0.6454	11 GROUNDWATER	NW SE	SE S3	28 30		
ANCHORAGE, MUN. (AWWU) WELL #37, CAMPBELL LAKE/ANCHORAGE, MUN 4941 METERED MONTHLY 0.0000 0.0000			ADL 50908	167803	610745.0 CERTIFICATE ISSUED 184	1495618.0 W 1 0.9426	SEWARD WITHDRAWAL 0.0215	012N 1 JULY	004W 1 0.0021	14 GROUNDWATER	NE SW	SW S3	32 51		

ANCHORAGE, MUN. (AWWU) WELL #27/ANCHORAGE, MUN. (AWWU) #941 METERED MONTHLY 0.0746 0.0816	ADL 50909	167803	611027.0 CERTIFICATE ISSUED 365 0.0653 0.0650 0.1050	1495017.2 W 1 0.0799 0.0799 0.1001	SEWARD WITHDRAWAL JULY	013N 003W 1	32 SE GROUNDWATER NOVEMBER 0.0469	NE 42 7 WATER SUPPLIER 53 0.0796
ANCHORAGE, MUN. (AWWU) WELL #33, MESA VERDE/ANCHORAGE #941 METERED MONTHLY 0.0363 0.0364	ADL 50911	167803	610700.0 CLOSED 273 0.0332 0.2949 0.0257	1495257.2 W 1 0.0583 0.0276 0.0218	SEWARD WITHDRAWAL MAY	012N 003W 1	19 SE GROUNDWATER SEPTEMBER 0.0000	NW 43 57 WATER SUPPLIER 53 0.0000
ANCHORAGE, MUN. (AWWU) WELL #32, STATE MANOR/ANCHORAGE, MUN. #941 METERED MONTHLY 0.0875 0.0875	ADL 50923	167803	610610.0 CLOSED 365 0.1019 0.2936 0.3176	1495045.1 W 1 0.2964 0.3576 0.2817	SEWARD WITHDRAWAL JUNE	012N 003W 1	20 NW GROUNDWATER FEBRUARY 0.3988	SE 46 39 WATER SUPPLIER 53 0.4135
ANCHORAGE, MUN. (AWWU) WELL #41, TOWN & COUNTRY/ANCHORAGE #941 METERED MONTHLY 0.1279 0.1345	ADL 50924	167803	610924.0 CERTIFICATE ISSUED 365 0.1330 0.1345 0.2053	1495719.0 W 1 0.1638 0.1883 0.1633	SEWARD WITHDRAWAL JUNE	012N 004W 1	3 NE GROUNDWATER JANUARY 0.1774	SE 25 16 WATER SUPPLIER 53 0.1298
ANCHORAGE, MUN. (AWWU) WELL #26, WICKERSHAM PARK/ANCHORAGE #941 METERED MONTHLY 0.0380 0.0311	ADL 50926	167803	611041.0 CERTIFICATE ISSUED 273 0.0301 0.0701 0.1093	1495029.3 W 1 0.0473 0.0000 0.0000	SEWARD WITHDRAWAL JUNE	013N 003W 1	32 NE GROUNDWATER OCTOBER 0.0628	NE 64 16 WATER SUPPLIER 53 0.0341
ANCHORAGE, MUN. (AWWU) WELL #42, WINDEMERE/ANCHORAGE, MUN. #941 METERED MONTHLY 0.4953 0.5253	ADL 50927	167803	611035.0 CERTIFICATE ISSUED 365 0.5174 0.5357 0.6036	1495432.9 W 1 0.5630 0.5938 0.6030	SEWARD WITHDRAWAL JUNE	013N 004W 1	36 SW GROUNDWATER MARCH 0.5913	NE 55 37 WATER SUPPLIER 53 0.5712
ANCHORAGE, MUN. (AWWU) E.R. #4, E.R. HEIGHTS NORTH/AWWU #941 METERED MONTHLY 0.1706 0.1509	ADL 51573	167803	611907.0 CERTIFICATE ISSUED 365 0.1589 0.2209 0.2349	1493216.8 W 1 0.1069 0.0335 0.0091	SEWARD WITHDRAWAL JUNE	014N 002W 1	12 SE GROUNDWATER AUGUST 0.0671	NE 41 4 WATER SUPPLIER 53 0.0273
ANCHORAGE, MUN. (AWWU) E.R. #5/E.R. HEIGHTS SOUTH/AWWU #941 METERED MONTHLY 0.0056 0.0074	ADL 52514	167803	611852.0 CERTIFICATE ISSUED 365 0.0080 0.0117 0.0171	1493223.6 W 1 0.0096 0.0132 0.0094	SEWARD WITHDRAWAL JUNE	014N 002W 1	12 SE GROUNDWATER JANUARY 0.0091	SE 18 9 WATER SUPPLIER 53 0.0084
ANCHORAGE, MUN. (AWWU) WELL #10A/ANCHORAGE, MUN. (AWWU) #941 METERED MONTHLY 1.8381 2.0214	ADL 54850	167803	611030.0 CERTIFICATE ISSUED 365 1.9035 2.0273 1.8291	1494315.1 W 1 1.5807 1.2608 1.0879	SEWARD WITHDRAWAL MAY	013N 003W 1	36 SE GROUNDWATER OCTOBER 1.5095	NE 47 13 WATER SUPPLIER 53 1.7949
ANCHORAGE, MUN. (AWWU) WELL #11B/ANCHORAGE, MUN. (AWWU) #941 METERED MONTHLY 1.7286 0.0000	ADL 54850	167803	611030.0 CERTIFICATE ISSUED 337 0.0034 0.0041 0.4006	1494315.1 W 1 0.8308 1.4523 0.6034	SEWARD WITHDRAWAL JUNE	013N 003W 2	36 SE GROUNDWATER FEBRUARY 0.5640	NE 47 13 WATER SUPPLIER 53 1.1551
ANCHORAGE, MUN. (AWWU) SHIP CREEK/AWWU WATER TREATMENT PLANT #941 METERED MONTHLY 9.0076 10.0150	ADL 54851	167803	611324.5 CERTIFICATE ISSUED 365 9.8817 11.1187 16.3759	1493737.4 W 1 12.4062 15.7631 14.2055	SEWARD WITHDRAWAL JUNE	013N 002W 1	16 NE SURFACE WATER JANUARY 12.7512	NE 74 2 WATER SUPPLIER 53 13.1063
ANCHORAGE, MUN. (AWWU) WELL #25, MILITARY #1/ANCHORAGE, MUN. #941 METERED MONTHLY 0.4942 0.5676	ADL 62222	167803	611117.0 CERTIFICATE ISSUED 365 0.4654 0.5824 0.7340	1494242.9 W 1 0.5541 0.5683 0.5637	SEWARD WITHDRAWAL JUNE	013N 002W 1	30 NW GROUNDWATER APRIL 0.5465	SW 39 69 WATER SUPPLIER 53 0.4929

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SOURCE/DESTINATION			STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS		
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS		DAILY AVG	YEARLY AVG	MAX. MONTH		MIN. MONTH		HYD	
JANUARY	FEBRUARY		MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER		DECEMBER	
NO	ANCHORAGE, MUN. (AWWU) WELL #28A, WINCHESTER HEIGHTS/AWWU #941 METERED MONTHLY 0.0568 0.0205	ADL 63855	167803	610851.0 PERMIT ISSUED 12 365 0.0214 0.0248	1494818.2 W 1 0.0379 0.0486	SEWARD WITHDRAWAL JANUARY 0.0254 0.0293	012N	003W 1	9	SE GROUNDWATER FEBRUARY 0.0542	NE WATER SUPPLIER S3 0.0448	54	9	
	ANCHORAGE, MUN. (AWWU) WELL #36, QUEENSGATE/ANCHORAGE, MUN. #941 METERED MONTHLY 0.0000 0.0000	ADL 65644	167803	610840.0 CERTIFICATE ISSUED 12 275 0.0123 0.1735	1495331.6 W 1 0.1463 0.1662	SEWARD WITHDRAWAL NOVEMBER 0.1503 0.1517	012N	004W 1	12	NE GROUNDWATER APRIL 0.1836	SE WATER SUPPLIER S3 0.1381	37	7	
	ANCHORAGE, MUN. (AWWU) WELL #7, 40TH & DENALI STS./ANCHORAGE #941 METERED MONTHLY 1.4325 1.1464	ADL 65787	167803	611188.0 CERTIFICATE ISSUED 12 365 1.2352 1.3460	1495228.1 W 1 0.8448 0.7190	SEWARD WITHDRAWAL JANUARY 0.4253 0.4046	013N	003W 1	30	NW GROUNDWATER OCTOBER 0.4737	SE WATER SUPPLIER S3 0.4680	25	24	
	ANCHORAGE, MUN. (AWWU) WELL #9, CENTENNIAL PARK/ANCHORAGE #941 METERED MONTHLY 2.3149 1.9285	ADL 67201	167803	611344.0 CERTIFICATE ISSUED 12 334 2.2399 0.9136	1494303.0 W 1 0.9088 0.0016	SEWARD WITHDRAWAL JANUARY 0.0017 0.0002	013N	003W 1	12	NE GROUNDWATER AUGUST 0.2113	SE WATER SUPPLIER S3 0.0699	25	4	
	ANCHORAGE, MUN. (AWWU) WELL #30, TURNAGAIN VIEW/ANCHORAGE #941 METERED MONTHLY 0.1709 0.1922	ADL 73658	167803	610554.0 CLOSED 12 365 0.1709 0.1752	1494926.3 W 1 0.1213 0.1445	SEWARD WITHDRAWAL JUNE 0.0207 0.0092	012N	003W 1	28	NE GROUNDWATER SEPTEMBER 0.0435	SW WATER SUPPLIER S3 0.0883	22	60	
	ANCHORAGE, MUN. (AWWU) WELL #35A, ALAGCO/ANCHORAGE #941 METERED MONTHLY 0.4368 0.4763	ADL 201555	167803	610923.0 APPLICATION ACCEPTED 12 365 0.6784 0.3860	1495250.0 W 1 0.6340 1.0259	SEWARD WITHDRAWAL JULY 0.9238 0.8119	012N	003W 1	6	NE GROUNDWATER APRIL 0.4724	SW WATER SUPPLIER S3 0.5456	23	51	
	ANCHORAGE, MUN. (AWWU) SHIP CREEK/EAGLE GLEN WEST #941 METERED MONTHLY 0.0000 0.0000	ADL 201881	167803	611936.0 PERMIT ISSUED 12 306 0.0031 0.0036	1493451.1 W 1 0.0067 0.0077	SEWARD WITHDRAWAL OCTOBER 0.0056 0.0099	014N	002W 1	2	SW GROUNDWATER JUNE 0.0092	SE WATER SUPPLIER S3 0.0087	6	38	
	ANCHORAGE, MUN. (AWWU) WELL #29-1, SERVICE HANSHIEW H.S./AWWU #941 METERED MONTHLY 0.0069 0.0056	ADL 201920	167803	610822.0 PERMIT ISSUED 12 365 0.0054 0.0051	1494703.8 W 1 0.0061 0.0063	SEWARD WITHDRAWAL OCTOBER 0.0056 0.0070	012N	003W 1	10	SW GROUNDWATER DECEMBER 0.0057	SE WATER SUPPLIER S3 0.0050	9	34	
	ANCHORAGE, MUN. (AWWU) WELL #38, SPENARD BUILDERS/ANCHORAGE #941 METERED MONTHLY 0.6969 0.7233	ADL 201921	167803	610741.0 CERTIFICATE ISSUED 12 365 0.7074 0.7097	1495751.8 W 1 0.7075 0.7075	SEWARD WITHDRAWAL FEBRUARY 0.7049 0.6874	012N	003W 1	18	NE GROUNDWATER SEPTEMBER 0.7160	SE WATER SUPPLIER S3 0.7037	27	8	

ANCHORAGE, MUN. (AWWU) E.R.#3, E.R. REGIONAL PARK/AWWU 4941 METERED MONTHLY 0.0000 0.0000	ADL 202708	167803	611926.0 PERMIT ISSUED 12 0 0.0000 0.0000 0.0000	1493418.7 W 1 0.0000 0.0000	SEWARD WITHDRAWAL 0.0000 0.0000 0.0000	014N 002W 1	11 NE GROUNDWATER	NE 71 14 WATER SUPPLIER S3 0.0000
ANCHORAGE, MUN. (AWWU) WELL #39, DIMOND-NORTHWOOD/ANCHORAGE 4941 METERED MONTHLY 0.1388 0.1168	ADL 202733	167803	610819.0 CLOSED 12 243 0.2222 0.2722 0.1906	1495507.1 W 1 0.1560 0.1906	SEWARD WITHDRAWAL 0.1038 0.1334 0.0000	012N 004W 1 JUNE	12 SW GROUNDWATER MARCH	SW 5 78 WATER SUPPLIER S3 0.0000
ANCHORAGE, MUN. (AWWU) WELL #12, 40TH & B' STS./ANCHORAGE 4941 METERED MONTHLY 0.9129 1.3028	ADL 202997	167803	611103.0 PERMIT ISSUED 12 365 1.0867 1.3024 0.7358 0.7972 0.7995	1495253.0 W 1 0.7972 0.7995	SEWARD WITHDRAWAL 0.7972 0.4737 0.2726 0.2634	013N 003W 1 FEBRUARY	30 SE GROUNDWATER NOVEMBER	SW 17 44 WATER SUPPLIER S3 1.0967
ANCHORAGE, MUN. (AWWU) WELL #31, HUFFMAN HILLS/ANCHORAGE, MUN 4941 METERED MONTHLY 0.2802 0.2471	ADL 203956	167803	610621.0 CERTIFICATE ISSUED 12 365 0.2844 0.5208 0.6805 0.5421	1494958.0 W 1 0.3620 0.5421	SEWARD WITHDRAWAL 0.3620 0.4259 0.3208 0.2785	012N 003W 1 JUNE	29 NE GROUNDWATER DECEMBER	NE 63 4 WATER SUPPLIER S3 0.2238
ANCHORAGE, MUN. (AWWU) E.R.#8/EAGLECREST 4941 METERED MONTHLY 0.0862 0.1240	ADL 209828	167803	611848.0 CERTIFICATE ISSUED 12 365 0.1428 0.1435 0.1468 0.0433	1493202.6 W 1 0.0897 0.0433	SEWARD WITHDRAWAL 0.0897 0.0262 0.0494 0.0446	014N 001W 1 JUNE	7 SW GROUNDWATER AUGUST	SW 12 71 WATER SUPPLIER S3 0.0714
ANCHORAGE, MUN. (AWWU) SHIP CREEK/E.R. #1, EAGLE GLEN EAST 4941 METERED MONTHLY 0.0000 0.0000	ADL 215028	167803	611934.0 PERMIT ISSUED 12 306 0.0030 0.0079 0.0070 0.0230 0.0204	1493449.8 W 1 0.0080 0.0204	SEWARD WITHDRAWAL 0.0067 0.0031 0.0061 0.0004	014N 002W 1 JUNE	2 SW SURFACE WATER OCTOBER	SE 4 37 WATER SUPPLIER S3 0.0100
ANCHORAGE, MUN. (AWWU) WELL #13, SPRUCE & E64TH STS./ANCHORAG 4941 METERED MONTHLY 2.2617 1.6951	LAS 246	167803	610949.0 CERTIFICATE ISSUED 12 334 2.2974 2.2425 1.7196 2.0892	1494857.2 W 1 2.1471 2.0892	SEWARD WITHDRAWAL 1.9648 2.2802 2.4011 2.3890	012N 003W 1 SEPTEMBER	4 NW GROUNDWATER FEBRUARY	NE 63 38 WATER SUPPLIER S3 1.9769 0.0000
ANCHORAGE, MUN. (AWWU) ER #6/BRANDEE SUBD.-Mc ALPINE SYSTEM 4941 METERED MONTHLY 0.1708 0.1847	LAS 803	167803	612020.0 PERMIT ISSUED 12 365 0.0375 0.0073 0.0067 0.0087	1493343.4 W 1 0.0470 0.0087	SEWARD WITHDRAWAL 0.0470 0.0064 0.0066 0.0071	014N 002W 1 FEBRUARY	1 NE GROUNDWATER NOVEMBER	NW 74 68 WATER SUPPLIER S3 0.0059 0.0085
ANCHORAGE, MUN. (AWWU) WELL #14, SPRINGHILL ELEM. SCHOOL/AWWU 4941 METERED MONTHLY 0.1438 0.1010	LAS 907	167803	610738.0 CLOSED 12 365 0.1579 0.1565 0.1569 0.1794	1494903.5 W 1 0.1525 0.1794	SEWARD WITHDRAWAL 0.1525 0.1791 0.1534 0.1744	012N 003W 1 JULY	16 SE GROUNDWATER FEBRUARY	SW 10 43 WATER SUPPLIER S3 0.1367 0.1339
ANCHORAGE, MUN. (AWWU) PT. WORONZOF WASTEWATER TREAT./INLET 4952 METERED MONTHLY 25.2860 24.8410	LAS 2493	167803	611150.0 PERMIT ISSUED 12 365 28.3030 26.0020 24.4980 23.2320	1500109.2 W 1 25.4060 23.2320	SEWARD RETURN 25.4060 23.2480 23.7040 29.2480	013N 004W 1 OCTOBER	20 SE SURFACE WATER JULY	SE 9 11 SEWAGE TREATMENT S3 25.3070 25.7650
ANCHORAGE, MUN. (AWWU) EAGLE RIVER WELL #9, PALOS VERDES/AWWU 4941 METERED MONTHLY 0.0377 0.0365	LAS 3485	167803	611855.0 APPLICATION ACCEPTED 12 334 0.0386 0.0440 0.0410 0.0000	1493310.9 W 1 0.0228 0.0000	SEWARD WITHDRAWAL 0.0208 0.0011 0.0019 0.0017	014N 002W 1 MAY	12 NE GROUNDWATER JULY	SW 23 44 WATER SUPPLIER S3 0.0047 0.0054
ANCHORAGE, MUN. (AWWU) OBERG WELL (184)/PETERS CREEK 4941 METERED MONTHLY 0.0000 0.0000	LAS 11862	167803	612432.3 APPLICATION ACCEPTED 12 183 0.0000 0.0000 0.0000 0.0000	1492714.0 W 1 0.0130 0.0000	SEWARD WITHDRAWAL 0.0065 0.0088 0.0092 0.0084	015N 001W 1 DECEMBER	9 NE GROUNDWATER OCTOBER	NE 62 17 WATER SUPPLIER S3 0.0137 0.0247

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FACILITY NAME	FILE	CID	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RANGE	SEC	QQ	Q	CN	CW
SOURCE/DESTINATION	STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS		
SKC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH	HYD		
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
ANCHORAGE, MUN. (AWWD) ER WASTEWATER TREAT. PLANT/EAGLE RIVER 4952 0.8290	METERED 0.8571	MONTHLY	GOOD 0.8935	12 0.9767	365 0.8516	1493520.9 W 1 0.8521	SEWARD RETURN 0.8521	014N 1 APRIL	002W 1 0.8742	11 SW SURFACE WATER JULY 0.8267	NW SEWAGE TREATMENT 53 0.8419	20 60
ANNETTE ISLAND PACKING CO. UNKNOWN/ANNETTE ISLAND PACKING CO. 2092 0.0000	METERED 0.0000	MONTHLY	FAIR 0.0000	12 0.0000	365 0.0000	1313240.9 W 1 0.3284	COPPER RIVER WITHDRAWAL 0.0630	078S 2 AUGUST	092E 2 0.0000	9 SE GROUNDWATER SEPTEMBER 0.0000	NW COMMERCIAL 64 0.0000	0 0
ARCO ALASKA, INC. UGNURAVIK RIVER/KUPARUK CPF-1 FACILITY 1311 0.0047	METERED 0.0043	MONTHLY	GOOD 0.0084	12 0.0086	365 0.0200	1493741.8 W 1 0.0035	UMIAT WITHDRAWAL 0.0026	011N 1 JUNE	010E 1 0.0000	9 NW SURFACE WATER SEPTEMBER 0.0000	NW MINING 11 0.0000	67 70
ARCO ALASKA, INC. UGNURAVIK RIVER/KUPARUK CPF-1 FACILITY 1311 0.1176	METERED 0.1189	MONTHLY	GOOD 0.1165	12 0.1105	365 0.0895	1493741.8 W 1 0.0999	UMIAT WITHDRAWAL 0.0999	011N 2 FEBRUARY	010E 2 0.0965	9 NW SURFACE WATER DECEMBER 0.0905	NW MINING 11 0.0581	67 70
ARCO ALASKA, INC. LK/KUPARUK WEST SAG. PILOT SOURCE WATER 1311 0.0964	METERED 0.0886	MONTHLY	GOOD 0.0983	12 0.0527	334 0.0000	1463527.6 W 1 0.1087	UMIAT WITHDRAWAL 0.0995	006N 1 JULY	022E 1 0.1038	22 NE SURFACE WATER MAY 0.0988	SE MINING 11 0.0957	0 0
ARCO ALASKA, INC. EXCON GRAVEL PIT/KUPARUK RIG, CAMP USE 1311 0.0016	METERED 0.0049	MONTHLY	GOOD 0.0000	12 0.0000	59 0.0000	1481134.8 W 1 0.0032	UMIAT WITHDRAWAL 0.0005	010N 2 FEBRUARY	015E 2 0.0000	1 NW SURFACE WATER JANUARY 0.0000	NW MINING 11 0.0000	0 0
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIGS, CAMPS, ROAD 1311 0.0809	METERED 0.1110	MONTHLY	GOOD 0.0996	12 0.0129	212 0.0004	1481134.8 W 1 0.0508	UMIAT WITHDRAWAL 0.0295	010N 3 FEBRUARY	015E 3 0.0000	1 SW SURFACE WATER MAY 0.0027	NW MINING 11 0.0511	0 0
ARCO ALASKA, INC. WEBSTER LAKE/KUPARUK RIGS, CAMPS, PIPE 1311 0.0000	METERED 0.0000	MONTHLY	GOOD 0.0000	12 0.0000	61 0.0000	1481641.9 W 1 0.0257	UMIAT WITHDRAWAL 0.0043	011N 5 AUGUST	015E 5 0.0000	34 SE SURFACE WATER JUNE 0.0000	NW MINING 11 0.0000	0 0
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIGS, CAMPS, PIPE 1311 0.0024	METERED 0.0000	MONTHLY	GOOD 0.0000	12 0.0000	123 0.0000	1481641.9 W 1 0.0125	UMIAT WITHDRAWAL 0.0042	011N 6 NOVEMBER	015E 6 0.0070	34 NW SURFACE WATER JANUARY 0.0386	SE MINING 11 0.0000	0 0

ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIG & CAMP USE 1311 METERED MONTHLY 0.0448 0.0052	LAS 2356	106346	701852.9 CLOSED 12 151 0.0000 0.0000 0.0000 0.0000	1481408.9 W 1 0.0222 0.0092 0.0000 0.0000	UMIAT WITHDRAWAL 011N 015E JANUARY 8 0.0291	17 SW SURFACE WATER DECEMBER 0.0293	NE MINING 11 0.0012	0 0
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIG, CAMP, ICE RD 1311 METERED MONTHLY 0.0419 0.0753	LAS 2356	106346	701709.2 CLOSED 12 212 0.0111 0.0000 0.0000 0.0415	1482424.1 W 1 0.0330 0.0192 0.0028 0.0237	UMIAT WITHDRAWAL 011N 015E FEBRUARY 9 0.0000	19 SE SURFACE WATER AUGUST 0.0000	NE MINING 11 0.0000	0 0
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIG & CAMP USE 1311 METERED MONTHLY 0.0000 0.0000	LAS 2356	106346	701709.2 CLOSED 12 61 0.0000 0.0000 0.0000 0.0000	1482648.8 W 1 0.0104 0.0017 0.0185 0.0020	UMIAT WITHDRAWAL 011N 014E AUGUST 10 0.0000	24 SW SURFACE WATER SEPTEMBER 0.0000	SE MINING 11 0.0000	0 0
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIGS, CAMPS, ROADS 1311 METERED MONTHLY 0.0180 0.0601	LAS 2762	155174	701726.1 PERMIT ISSUED 12 365 0.0349 0.0440 0.0371 0.0333	1495338.9 W 1 0.0333 0.0017 0.0407 0.0359	UMIAT WITHDRAWAL 011N 009E MARCH 1 0.0011	20 NE SURFACE WATER NOVEMBER 0.0000	SE MINING 11 0.0266	26 13
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK GRAVEL SITE 'B' 1311 METERED MONTHLY 0.0000 0.0616	LAS 2764	155174	701903.3 PERMIT ISSUED 12 90 0.0000 0.0000 0.0000 0.0227	1492421.3 W 1 0.0227 0.0056 0.0000 0.0000	UMIAT WITHDRAWAL 011N 011E FEBRUARY 1 0.0000	8 SE SURFACE WATER DECEMBER 0.0000	SW MINING 11 0.0018	16 49
ARCO ALASKA, INC. UNNAMED LAKE/7 1311 METERED MONTHLY 0.0000 0.0000	LAS 2767	155174	702702.3 PERMIT ISSUED 12 245 0.0000 0.0000 0.0078 0.0312	1494125.5 W 1 0.0312 0.0209 0.0318 0.0526	UMIAT WITHDRAWAL 013N 009E NOVEMBER 1 0.0470	25 NW SURFACE WATER MARCH 0.0625	SE MINING 11 0.0113	34 24
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK FIELD SUPPORT 1311 METERED MONTHLY 0.0000 0.0000	LAS 2768	155174	701915.0 PERMIT ISSUED 12 31 0.0000 0.0000 0.0000 0.0007	1495617.6 W 1 0.0007 0.0001 0.0000 0.0000	UMIAT WITHDRAWAL 011N 009E 1 0.0000	7 NE SURFACE WATER 11 0.0000	SE MINING 11 0.0007	34 15
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIGS CAMPS & ROADS 1311 METERED MONTHLY 0.0000 0.0150	LAS 2769	155174	701940.3 PERMIT ISSUED 12 89 0.0000 0.0000 0.0111 0.0244	1493902.6 W 1 0.0244 0.0060 0.0000 0.0000	UMIAT WITHDRAWAL 011N 010E MARCH 1 0.0000	8 NW SURFACE WATER JUNE 0.0000	NE MINING 11 0.0000	73 32
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIG AND CAMP USE 1311 METERED MONTHLY 0.0000 0.0000	LAS 2805	155174	701525.2 CLOSED 12 92 0.0000 0.0000 0.0133 0.0457	1481915.6 W 1 0.0258 0.0065 0.0182 0.0000	UMIAT WITHDRAWAL 011N 015E JULY 1 0.0000	33 NE SURFACE WATER JUNE 0.0000	SW MINING 11 0.0000	0 0
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIG & CAMP USE 1311 METERED MONTHLY 0.0000 0.0000	LAS 2848	155174	701349.7 CLOSED 12 31 0.0000 0.0000 0.0000 0.0212	1482648.8 W 1 0.0212 0.0018 0.0000 0.0000	UMIAT WITHDRAWAL 010N 014E 1 0.0212	13 SE SURFACE WATER 11 0.0000	SE MINING 11 0.0000	0 0
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK PLINE HYDROTEST 1311 METERED MONTHLY 0.0000 0.0000	LAS 2851	155174	701709.2 CLOSED 12 31 0.0000 0.0000 0.0000 0.0375	1482150.4 W 1 0.0375 0.0032 0.0375 0.0000	UMIAT WITHDRAWAL 011N 015E 1 0.0000	20 SE SURFACE WATER 11 0.0000	SE MINING 11 0.0000	0 0
ARCO ALASKA, INC. UNNAMED LAKE/KUPARUK RIG & CAMP USE 1311 METERED MONTHLY 0.0000 0.0000	LAS 2852	155174	701709.2 CLOSED 12 92 0.0000 0.0000 0.0012 0.0244	1482922.6 W 1 0.0244 0.0062 0.0182 0.0000	UMIAT WITHDRAWAL 011N 014E JULY 1 0.0000	23 SE SURFACE WATER JUNE 0.0000	SW MINING 11 0.0000	0 0

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FACILITY NAME			FILE	CID	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RANGE	SEC	QO	Q	CN	CW
SOURCE/DESTINATION				STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS	
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS		DAILY AVG	YEARLY AVG	MAX. MONTH		MIN. MONTH		HYD	
JANUARY	FEBRUARY		MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER		DECEMBER	
24	ARCO ALASKA, INC. UNNAMED LAKE?/KUPARUK RIG AND CAMP USE 1311 0.0000	METERED MONTHLY 0.0000	LAS 2854 GOOD 0.0000	155174 12 0.0000	702128.8 CLOSED 92 0.0000	1482923.3 W 1 0.0373 0.0406	UMIAT WITHDRAWAL 0.0094 0.0532	012N 1 JULY	014E 1	26 SURFACE WATER AUGUST 0.0000	SE MINING 11 0.0000	0	0	
	ARCO ALASKA, INC. UNNAMED LAKE?/KUPARUK HYDROTEST, FIRE 1311 0.0000	METERED MONTHLY 0.0000	LAS 2855 GOOD 0.0000	155174 12 0.0000	701709.2 CLOSED 60 0.0000	1483156.3 W 1 0.0114 0.0026	UMIAT WITHDRAWAL 0.0019 0.0000	011N 1 SEPTEMBER	014E 1	22 SURFACE WATER JUNE 0.0000	SE MINING 11 0.0000	0	0	
	ARCO ALASKA, INC. LAKE?/KUPARUK RIGS, CAMPS, & ICE ROADS 1311 0.0527	METERED MONTHLY 0.0232	LAS 2889 GOOD 0.0063	155174 12 0.0000	701709.2 CLOSED 151 0.0000	1481642.2 W 1 0.0262 0.0000	UMIAT WITHDRAWAL 0.0108 0.0169	011N 1 JANUARY	015E 1	22 SURFACE WATER MARCH 0.0000	SE MINING 11 0.0000	0	0	
	ARCO ALASKA, INC. LAKE?/KUPARUK FIELD SUPPORT SERVICES 1311 0.0000	METERED MONTHLY 0.0000	LAS 3348 GOOD 0.0000	155174 12 0.0000	702456.5 CLOSED 31 0.0000	1494808.3 W 1 0.0003 0.0000	UMIAT WITHDRAWAL 0.0000 0.0000	012N 1 0.0000	009E 1	3 SURFACE WATER 0.0000	SE MINING 11 0.0003	0	0	
	ARCO ALASKA, INC. UNNAMED LAKE?/KUPARUK RIG & CAMP USE 1311 0.0098	METERED MONTHLY 0.0000	LAS 3348 GOOD 0.0000	155174 12 0.0000	702312.5 CLOSED 31 0.0000	1494807.9 W 1 0.0098 0.0000	UMIAT WITHDRAWAL 0.0008 0.0000	012N 3 0.0000	009E 3	15 SURFACE WATER 0.0000	SE MINING 11 0.0000	0	0	
	ARCO ALASKA, INC. UNNAMED LAKE?/KUPARUK RIG & CAMP USE 1311 0.1050	METERED MONTHLY 0.1532	LAS 3348 GOOD 0.0018	155174 12 0.0000	702220.6 CLOSED 89 0.0000	1495042.0 W 1 0.0854 0.0000	UMIAT WITHDRAWAL 0.0208 0.0000	012N 4 FEBRUARY	009E 4	21 SURFACE WATER MARCH 0.0000	NE MINING 11 0.0000	0	0	
	ARCO ALASKA, INC. UNNAMED LAKE?/KUPARUK RIG & CAMP USE 1311 0.0000	METERED MONTHLY 0.0000	LAS 3348 GOOD 0.0000	155174 12 0.0000	702732.4 CLOSED 31 0.0000	1494314.2 W 1 0.0217 0.0000	UMIAT WITHDRAWAL 0.0018 0.0000	013N 8 0.0000	009E 8	23 SURFACE WATER 0.0000	NE MINING 11 0.0217	0	0	
	ARCO ALASKA, INC. UNNAMED LAKE?/KUPARUK RIG & CAMP USE 1311 0.0000	METERED MONTHLY 0.0000	LAS 3348 GOOD 0.0000	155174 12 0.0000	702640.2 CLOSED 61 0.0000	1494314.2 W 1 0.0210 0.0244	UMIAT WITHDRAWAL 0.0035 0.0176	013N 9 JUNE	009E 9	26 SURFACE WATER JULY 0.0000	NE MINING 11 0.0000	0	0	
	ARCO ALASKA, INC. LAKE?/KUPARUK ICE ROADS 1311 0.0000	METERED MONTHLY 0.0000	LAS 3529 GOOD 0.0571	155174 12 0.0000	701944.8 CLOSED 31 0.0000	1495315.4 W 1 0.0571 0.0000	UMIAT WITHDRAWAL 0.0049 0.0000	011N 6 0.0000	009E 6	5 SURFACE WATER 0.0000	SE MINING 11 0.0000	0	0	

ARCO ALASKA, INC. LAKE7/KUPARUK ICE ROADS 1311 METERED MONTHLY 0.0000 0.0000	LAS 3529	155174	702037.0 CLOSED 12 31 0.0000 0.0000 0.0000 0.0000	1495549.8 W 1 0.1133 0.0000	UMIAT WITHDRAWAL 0.0000 0.0000	012N 16	009E 16	31 NW SURFACE WATER	SE MINING 11 0.0000	0 0
ARCO ALASKA, INC. LAKE7/KUPARUK RIG & CAMP USE 1311 METERED MONTHLY 0.0000 0.0280	LAS 3861	155174	701617.0 CLOSED 12 120 0.0648 0.0475 0.0000 0.0000	1483156.3 W 1 0.0361 0.0000	UMIAT WITHDRAWAL 0.0119 0.0000	011N 1	014E 1	27 NE SURFACE WATER MARCH 0.0000	SW MINING 11 0.0000	0 0
ARCO ALASKA, INC. LAKE7/KUPARUK RIG & CAMP USE 1311 METERED MONTHLY 0.0000 0.0000	LAS 6362	155174	701944.8 ACTIVE DATA POINT 12 91 0.0990 0.0963 0.0108 0.0000	1494035.4 W 1 0.0690 0.0000	UMIAT WITHDRAWAL 0.0172 0.0000	011N 1	010E 1	6 SW SURFACE WATER JUNE 0.0000	NE MINING 11 0.0000	0 0
ARCO ALASKA, INC. UNNAMED LAKE7/KUPARUK RIG & CAMP USE 1311 METERED MONTHLY 0.0000 0.0000	LAS 7101	155174	701433.4 CLOSED 12 30 0.0000 0.0000 0.0552 0.0000	1481641.9 W 1 0.0552 0.0000	UMIAT WITHDRAWAL 0.0045 0.0000	010N 1	015E 1	3 NE SURFACE WATER	SW MINING 11 0.0000	0 0
CHERRIER, KING & CHERRIER 77 WELL/ALYESKA BASIN SUBDIVISION 4941 ESTIMATED MONTHLY 0.0760 0.0760	LAS 1174	163303	605750.0 PERMIT ISSUED 12 365 0.0677 0.0677 0.0677 0.0681	1490738.3 W 1 0.0703 0.0681	SEWARD WITHDRAWAL 0.0703 0.0681	010N 1	002E 1	17 NE GROUNDWATER	NE WATER SUPPLIER 53 0.0695	77 17
CONOCO, INC. UNNAMED LAKE/MINE SITE 'B' (GRAVEL PIT) 1311 METERED MONTHLY 0.0009 0.0005	LAS 2285	106432	701904.6 PERMIT ISSUED 12 77 0.0000 0.0000 0.0000 0.0000	1492419.4 W 1 0.0036 0.0000	UMIAT WITHDRAWAL 0.0008 0.0000	011N 1	011E 1	8 SE SURFACE WATER FEBRUARY 0.0000	SW MINING 11 0.0082	18 48
COOK INLET AQUACULTURE ASSOCIATION, INC. EKLUTNA LAKE/POWERPLANT TAILRACE 921 CALCULATED MONTHLY 2.5000 2.5000	ADL 215411	156400	612836.0 CERTIFICATE ISSUED 12 365 2.5000 3.3387 4.5000 4.5000	1490908.3 W 1 3.5342 4.5000	SEWARD WITHDRAWAL 3.5342 4.5000	016N 1	002E 1	18 NE TRANSFER. WATER	SE AQUACULTURE 53 2.5000	37 8
COOK INLET AQUACULTURE ASSOCIATION, INC. DEEP WELL/EKLUTNA FISH HATCHERY 921 CALCULATED MONTHLY 0.5760 2.1600	LAS 185	156400	612836.0 CLOSED 12 257 2.1600 2.1600 0.5760 0.5760	1490902.9 W 1 1.4472 0.5760	SEWARD WITHDRAWAL 1.0190 1.9797	016N 1	002E 1	18 NE GROUNDWATER	SE AQUACULTURE 53 0.4388	37 4
CRAIG, CITY OF SUNNY HAY MT. SPRING/CITY OF CRAIG 4941 METERED MONTHLY 0.3645 0.3139	ADL 62346	125358	552813.0 CERTIFICATE ISSUED 12 365 0.2137 0.2126 0.2235 0.2149	1330739.1 W 1 0.2278 0.2149	COPPER RIVER WITHDRAWAL 0.2278 0.1739	074S 1	081E 1	8 SE GROUNDWATER SEPTEMBER 0.2035	NE WATER SUPPLIER 67 0.1807	54 24
CRESTBROOK WATER ASSOCIATION, INC. WELL/CRESTBROOK WATER ASSOCIATION 4941 METERED MONTHLY 0.0111 0.0123	ADL 206632	125365	610842.0 CERTIFICATE ISSUED 10 269 0.0123 0.0146 0.0156 0.0127	1495304.4 W 1 0.0124 0.0127	SEWARD WITHDRAWAL 0.0106 0.0108	012N 1	003W 1	7 NW GROUNDWATER AUGUST 0.0121	SW WATER SUPPLIER 53 0.0135	40 62
DAWN DEVELOPMENT CORPORATION WELL/WYNTER PARK SUBDIVISION 4941 METERED MONTHLY 0.1382 0.1382	LAS 863	125408	612442.8 PERMIT ISSUED 12 365 0.1376 0.1376 0.1376 0.1156	1492518.9 W 1 0.1315 0.1156	SEWARD WITHDRAWAL 0.1315 0.1156	015N 1	001W 1	10 NE GROUNDWATER	NE WATER SUPPLIER 53 0.1377	78 12
DAWN DEVELOPMENT CORPORATION OUTSIDE WELL/DAWN SUBDIVISION 4941 METERED MONTHLY 0.0002 0.0002	LAS 864	125408	612502.5 PERMIT ISSUED 12 365 0.0004 0.0004 0.0004 0.0005	1492506.7 W 1 0.0004 0.0005	SEWARD WITHDRAWAL 0.0004 0.0005	015N 1	001W 1	3 NE GROUNDWATER	SE WATER SUPPLIER 53 0.0005	28 3

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FACILITY NAME			FILE	CID	LATITUDE	LONGITUDE	MERIDIAN	TOWN	RANGE	SEC	QQ	Q	CN	CW
SOURCE/DESTINATION			STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS		
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH		MIN. MONTH	HYD			
JANUARY	FEBRUARY		MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
DAWN DEVELOPMENT CORPORATION INSIDE WELL/DAWN SUBDIVISION			LAS 865	125408	612501.8	1492506.7 W	SEWARD	015N	001W	3	NE	SE	27	3
4941	METERED	MONTHLY	GOOD	12	365	0.0001	0.0001	WITHDRAWAL	1	GROUNDWATER	WATER SUPPLIER			
0.0002	0.0002		0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001			
DILLINGHAM, CITY OF WELLS 1 - 3/CITY OF DILLINGHAM			ADL 46054	125481	590229.5	1582718.4 W	SEWARD	013S	055W	21	NW	NE	70	28
4941	METERED	MONTHLY	FAIR	12	365	0.0962	0.0962	WITHDRAWAL	1	GROUNDWATER	WATER SUPPLIER			
0.0911	0.1133		0.1070	0.1134	0.1628	0.1776	0.1606	0.0782	0.0748	0.0976	0.0721	0.0824		
DIV. ADM. CONTR. & FAC. OFC., DFG 8 WELLS, 24-44' DEEP/FT. RICH HATCHERY			ADL 80511	163021	611438.0	1494249.5 W	SEWARD	013N	002W	6	NW	SW	28	73
921	CALCULATED	MONTHLY	FAIR	12	365	1.8604	1.8604	WITHDRAWAL	1	GROUNDWATER	AQUACULTURE			
1.7280	1.7280		1.7280	1.7280	1.7280	2.5920	2.5920	2.5920	2.5920	1.7280	0.7920	0.7920		
DIV. ADM. CONTR. & FAC. OFC., DFG 10 SHALLOW WELLS/FT. RICH. HATCHERY			ADL 206780	163021	611434.0	1494234.7 W	SEWARD	013N	002W	6	SE	SW	22	62
921	CALCULATED	MONTHLY	FAIR	12	365	2.1570	2.1570	WITHDRAWAL	1	GROUNDWATER	AQUACULTURE			
2.8800	2.5920		2.1600	2.5920	2.5920	2.1600	2.1600	2.1600	2.8800	2.1600	0.7920	0.7920		
EAGLE VILLAGE OF WELL 1/VILLAGE OF EAGLE			ADL 403885	154079	644718.0	1411222.4 W	FAIRBANKS	001S	033E	31	NW	NW	62	79
4941	ESTIMATED	MONTHLY	POOR	12	365	0.0005	0.0005	WITHDRAWAL	1	GROUNDWATER	WATER SUPPLIER			
0.0005	0.0006		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005		
BEK, CITY OF UNKNOWN/CITY OF BEK			LAS 11320	7264	601248.0	1620033.1 W	SEWARD	002N	073W	31	NE	SW	0	0
4941	METERED	MONTHLY	FAIR	6	184	0.0024	0.0024	WITHDRAWAL	1	SURFACE WATER	WATER SUPPLIER			
						0.0036	0.0028	0.0026	0.0033	0.0016	0.0004			
EKLUTNA UTILITIES, INC. EAGLERIDGE WELLS 1-3/PARKVIEW TERRACE			LAS 1848	125573	611838.8	1493247.9 W	SEWARD	014N	002W	13	NW	NE	78	27
4941	METERED	MONTHLY	GOOD	12	360	0.1528	0.1507	WITHDRAWAL	1	GROUNDWATER	WATER SUPPLIER			
0.1073	0.1099		0.1033	0.1231	0.1250	0.1952	0.1824	0.1563	0.1698	0.1816	0.1822	0.1807		
ELIM, CITY OF ELIM, CITY			ADL 75895	125579	645551.0	1610948.5 W	KATEEL	006S	012W	31	NE	NE	70	11
4941	METERED	MONTHLY	GOOD	12	365	0.0129	0.0129	WITHDRAWAL	1	GROUNDWATER	WATER SUPPLIER			
0.0101	0.0148		0.0114	0.0112	0.0106	0.0096	0.0160	0.0121	0.0134	0.0129	0.0169	0.0151		
ERU, INC. WELLS #1 & 2/HYLEN CREST SUBDIVISION			LAS 1059	162712	611845.0	1492907.7 W	SEWARD	014N	001W	8	SW	SE	8	22
4941	METERED	MONTHLY	FAIR	9	273	0.0049	0.0049	WITHDRAWAL	1	GROUNDWATER	WATER SUPPLIER			
0.0046	0.0048		0.0055	0.0050				0.0036	0.0036	0.0054	0.0051	0.0061		

FAIRBANKS MUNICIPAL UTILITY SYSTEM WELL 1A/CITY OF FAIRBANKS #941 METERED MONTHLY 3.1680 3.1680	ADL 53813	114790	645051.0 CERTIFICATE ISSUED 12 365 3.1680 3.1680 3.1680	1474412.2 W 1 3.1680 3.1680 3.1680	FAIRBANKS WITHDRAWAL 001S 001W 1 3.1680 3.1680 3.1680	10 NW GROUNDWATER NW 70 67 34 WATER SUPPLIER 3.1680 3.1680
FAIRBANKS MUNICIPAL UTILITY SYSTEM WELL 2A/CITY OF FAIRBANKS #941 METERED MONTHLY 0.0000 0.0000	ADL 53813	114790	645052.0 CERTIFICATE ISSUED 12 30 3.7584 0.0000 0.0000 0.0000	1474403.0 W 1 3.7584 0.0000 0.0000	FAIRBANKS WITHDRAWAL 001S 001W 2 0.0000 0.0000 0.0000	10 NW GROUNDWATER NW 72 61 34 WATER SUPPLIER 0.0000 0.0000
FAIRBANKS MUNICIPAL UTILITY SYSTEM WELL 3A/CITY OF FAIRBANKS #941 METERED MONTHLY 2.4480 2.4480	ADL 53813	114790	645051.0 CERTIFICATE ISSUED 12 365 2.4480 2.4480 2.4480	1474355.3 W 1 2.4480 2.4480 2.4480	FAIRBANKS WITHDRAWAL 001S 001W 3 2.4480 2.4480 2.4480	10 NE GROUNDWATER NW 71 56 34 WATER SUPPLIER 2.4480 2.4480
FORT YUKON, CITY OF MAIN WELL/CITY OF FORT YUKON #941 METERED MONTHLY 0.0123 0.0103	LAS 11321	6292	663309.0 ACTIVE DATA POINT 12 365 0.0067 0.0082 0.0108 0.0257 0.0113	1451440.2 W 1 0.0120 0.0120 0.0113	FAIRBANKS WITHDRAWAL 020N 012E 1 0.0106 0.0083 0.0124	18 NE GROUNDWATER NE 0 0 32 WATER SUPPLIER 0.0133 0.0144
GRAYLING, CITY OF LOOP #1/CITY OF GRAYLING #941 METERED MONTHLY 0.0031 0.0045	ADL 75908	125869	625435.0 APPLICATION ACCEPTED 12 365 0.0042 0.0047 0.0045 0.0043 0.0038	1600459.8 W 1 0.0136 0.0038	SEWARD WITHDRAWAL 033N 057W 1 0.0136 0.0277 0.0275	34 NW SURFACE WATER SE 57 72 36 WATER SUPPLIER 0.0268 0.0259
GRAYLING, CITY OF LOOP #2/CITY OF GRAYLING #941 METERED MONTHLY 0.0023 0.0131	ADL 75908	125869	625436.0 APPLICATION ACCEPTED 12 365 0.0187 0.0107 0.0022 0.0037 0.0031	1600459.9 W 1 0.0061 0.0031	SEWARD WITHDRAWAL 033N 057W 2 0.0061 0.0031 0.0031	34 NW SURFACE WATER SE 59 72 36 WATER SUPPLIER 0.0044 0.0059
HAINES, CITY OF LILY LAKE/CITY OF HAINES #941 METERED MONTHLY 0.1501 0.1631	ADL 52025	125925	591218.0 CERTIFICATE ISSUED 12 365 0.1602 0.1667 0.1774 0.2089 0.2362	1352328.8 W 1 0.0175 0.0175 0.2362	COPPER RIVER WITHDRAWAL 031S 059E 1 0.0175 0.1943 0.1842	12 NE SURFACE WATER NE 67 14 62 WATER SUPPLIER 0.1802 0.1660
HAINES, CITY OF MEDAD SPRINGS/CITY OF HAINES #941 ESTIMATED MONTHLY 0.0006 0.0007	ADL 53556	125925	591453.0 CERTIFICATE ISSUED 12 365 0.0006 0.0042 0.0040 0.0067 0.0065	1352830.5 W 1 0.0044 0.0065	COPPER RIVER WITHDRAWAL 030S 059E 1 0.0044 0.0067 0.0065	28 NW GROUNDWATER NE 64 12 62 WATER SUPPLIER 0.0050 0.0048
HILLSIDE PARK HOMEOWNER'S ASSOCIATION 283' WELL/HILLSIDE PARK SUBDIVISION #941 METERED MONTHLY 0.0087 0.0091	ADL 202909	165707	610728.0 CERTIFICATE ISSUED 12 365 0.0081 0.0103 0.0109 0.0156 0.0181	1494444.3 W 1 0.0124 0.0181	SEWARD WITHDRAWAL 012N 003W 1 0.0112 0.0182 0.0124	14 SE GROUNDWATER SE 6 10 53 WATER SUPPLIER 0.0110 0.0110
HOMER, CITY OF BRIDGE CREEK DAM/CITY OF HOMER #941 METERED MONTHLY 0.2728 0.2509	ADL 57850	126046	594040.3 CERTIFICATE ISSUED 12 365 0.2291 0.2655 0.2847 0.3633 0.3700	1513413.3 W 1 0.2984 0.3700	SEWARD WITHDRAWAL 006S 013W 1 0.2984 0.3734 0.2798	7 NE SURFACE WATER NE 74 78 53 WATER SUPPLIER 0.2667 0.2439
HOMER, CITY OF BRIDGE CREEK DAM/HOMER CANNERIES 2092 METERED MONTHLY 0.0170 0.0324	ADL 57850	126046	594040.3 CERTIFICATE ISSUED 12 365 0.0206 0.0151 0.0422 0.0485 0.0445	1513413.3 W 1 0.0375 0.0445	SEWARD WITHDRAWAL 006S 013W 2 0.0375 0.0739 0.0152	7 NE SURFACE WATER NE 74 78 53 COMMERCIAL 0.0083 0.0055
HOONAH, CITY OF ELEPHANT EAR MTN. CREEK/CITY OF HOONAH #941 METERED MONTHLY 0.3386 0.3539	LAS 897	126050	580353.0 PERMIT ISSUED 12 365 0.3063 0.3522 0.2623 0.3228 0.3326	1352129.5 W 1 0.3145 0.3326	COPPER RIVER WITHDRAWAL 044S 061E 1 0.3145 0.3191 0.2736	11 SE SURFACE WATER SW 16 47 66 WATER SUPPLIER 0.3082 0.2771

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SOURCE/DISTINATION			STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS		
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH		HYD			
JANUARY		FEBRUARY		MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
HUSLIA, CITY OF MAIN WELL/CITY OF HUSLIA 4941 0.0068			ADL 67133	126089	654212.0 CERTIFICATE ISSUED 365 0.0078	1562256.5 W 1 0.0072 0.0068	KATEEL WITHDRAWAL 0.0072 0.0064	004N 1 OCTOBER 0.0080	012E 1 0.0089	33 GROUNDWATER AUGUST 0.0074	NE SW WATER SUPPLIER 35 0.0074	32 36		
INDIAN COVE WATER COMPANY SOURCE AND DESTINATION LOCATIONS UNKNOWN 4941 .			ADL 43117	126102	582243.3 CERTIFICATE ISSUED 207 .	1344201.5 W 1 0.0011 0.0012	COPPER RIVER WITHDRAWAL . 0.0011	040S 1 0.0011	065E 1 0.0011	28 GROUNDWATER 0.0009	NW NW WATER SUPPLIER 62 0.0009	73 78		
JUNEAU, CITY & BOROUGH OF WELLS 1-3/CITY OF JUNEAU 4941 2.1941			ADL 100066	126204	581831.0 CERTIFICATE ISSUED 365 2.0651	1342340.1 W 1 2.1515 1.5496	COPPER RIVER WITHDRAWAL 2.1515 2.1540	041S 1 MARCH 2.6090	067E 1 2.2386	13 GROUNDWATER NOVEMBER 1.3611	SW SW WATER SUPPLIER 62 2.3029	5 76		
JUNEAU, CITY & BOROUGH OF WELL/COHO PARK, JUNEAU C & B 4941 0.0060			LAS 198	126204	582313.0 CERTIFICATE ISSUED 324 0.0599	1343331.1 W 1 0.0164 0.0056	COPPER RIVER WITHDRAWAL 0.0145 0.0063	040S 1 APRIL 0.0065	066E 1 0.0061	20 GROUNDWATER DECEMBER 0.0065	NW SW WATER SUPPLIER 62 0.0060	39 65		
JUNEAU, CITY & BOROUGH OF SALMON CREEK TAILRACE/CITY OF JUNEAU 4941 0.3584			LAS 1942	126204	581937.0 PERMIT ISSUED 365 0.6545	1342740.0 W 1 0.6174 0.7093	COPPER RIVER WITHDRAWAL 0.6174 0.7049	041S 1 OCTOBER 0.5708	067E 1 0.8429	9 GROUNDWATER JANUARY 0.7382	NW SE WATER SUPPLIER 62 0.6228	27 30		
KASAAH, CITY OF LINKUM CREEK DAM/CITY OF KASAAH 4941 0.0116			ADL 100411	126238	553231.0 CLOSED 327 0.0062	1322348.1 W 1 0.0068 0.0070	COPPER RIVER WITHDRAWAL . 0.0070	073S 1 0.0037	086E 1 0.0027	18 SURFACE WATER 0.0039	SW NE WATER SUPPLIER 67 .	51 31		
KENAI, CITY OF WELL #1/CITY OF KENAI 4941 0.2498			ADL 53282	126275	603358.0 CERTIFICATE ISSUED 365 0.6003	1510916.4 W 1 0.3577 0.3476	SEWARD WITHDRAWAL 0.3577 0.2852	006N 1 APRIL 0.3487	011W 1 0.2543	35 GROUNDWATER JANUARY 0.2569	NW SE WATER SUPPLIER 53 0.2582	32 31		
KENAI, CITY OF WELL #2/CITY OF KENAI 4941 0.3622			ADL 53282	126275	603400.0 CERTIFICATE ISSUED 365 0.4720	1510709.8 W 1 0.5238 0.5554	SEWARD WITHDRAWAL 0.5238 0.5183	006N 2 APRIL 0.6882	011W 2 0.3811	36 GROUNDWATER JANUARY 0.4688	NE SE WATER SUPPLIER 53 0.3955	35 15		
KETCHIKAN, CITY OF KETCHIKAN LAKE/CITY OF KETCHIKAN 4941 5.0192			ADL 48794	126297	552136.0 CERTIFICATE ISSUED 365 2.9955	1313707.3 W 1 3.7313 3.4820	COPPER RIVER WITHDRAWAL 3.7313 4.6517	075S 1 FEBRUARY 3.4827	091E 1 2.8877	17 SURFACE WATER JUNE 3.1867	SE SW WATER SUPPLIER 64 3.3739	3 52		

KETCHIKAN, CITY OF CARLANNA LAKE/CITY OF KETCHIKAN 4941 METERED MONTHLY 1.0187 1.2237	ADL 48795	126297	552210.0 CERTIFICATE ISSUED 12 365 1.2592 1.2388 1.2673 1.2755 1.3249	1314123.2 W 1 1.2592	COPPER RIVER WITHDRAWAL 07SS 090E AUGUST 1 1.3571 1.2685 1.2662	14 SW SURFACE WATER JANUARY 1.3050	NE 56 38 WATER SUPPLIER 64 1.2868
KING COVE, CITY OF RAM CREEK/CITY OF KING COVE 4941 METERED MONTHLY 0.7458 0.0057	ADL 42595	126307	550339.2 CERTIFICATE ISSUED 12 365 0.2996 0.5063 0.2107 0.3408 0.4998	1621910.1 W 1 0.2996	SEWARD WITHDRAWAL 059S 086W JANUARY 1 0.4424 0.2141 0.2431	22 NE SURFACE WATER FEBRUARY 0.1511	NW 63 72 WATER SUPPLIER 43 0.2005
KLUKWAN, CITY OF SPRING/KLUKWAN RESERVOIR 4941 METERED MONTHLY .	LAS 3864	126331	592416.0 PERMIT ISSUED 6 160 0.0309 . . 0.0285	1355257.3 W 1 0.0309	COPPER RIVER WITHDRAWAL 028S 056E 1 0.0283 0.0300 0.0273	33 SE GROUNDWATER 0.0320	NE 51 9 WATER SUPPLIER 62 0.0379
KODIAK, CITY OF PILLAR CREEK/CITY OF KODIAK 4941 METERED MONTHLY 0.9290 0.4571	ADL 39797	126356	574807.0 CERTIFICATE ISSUED 12 242 0.4651 0.0000 0.3200 0.0000 0.9667 0.0000	1522442.1 W 1 0.3084	SEWARD WITHDRAWAL 027S 019W AUGUST 1 1.0387 0.4190 0.2767	30 SE SURFACE WATER OCTOBER 0.0000	SE 7 13 WATER SUPPLIER 51 0.2801
KODIAK, CITY OF MONASHKA CREEK/CITY OF KODIAK 4941 METERED MONTHLY 1.7548 1.7143	LAS 1145	126356	575035.0 PERMIT ISSUED 12 365 2.0733 1.5000 2.0645 1.0733 2.4919	1522735.9 W 1 2.0733	SEWARD WITHDRAWAL 027S 020W AUGUST 1 3.6400 2.5352 2.0813	13 NW SURFACE WATER JUNE 2.6852	NW 74 77 WATER SUPPLIER 51 1.5578
KODIAK, CITY OF R-25 CREEK/CITY OF KODIAK 4941 METERED MONTHLY 1.0000 1.0714	LAS 1257	126356	622343.0 CERTIFICATE ISSUED 12 365 0.9347 1.0000 0.9677 1.0000 0.9677	1525314.2 W 1 0.9347	SEWARD WITHDRAWAL 027N 020W FEBRUARY 1 0.9677 0.5000 0.8065	25 SE SURFACE WATER SEPTEMBER 1.0000	SE 7 13 WATER SUPPLIER 51 0.9677
KOTZEBUE, CITY OF DEVIL'S LAKE/VORTAC RESERVOIR 4941 METERED MONTHLY 0.2623 0.2612	ADL 401827	126367	665248.0 PERMIT ISSUED 12 365 0.2745 0.2909 0.3099 0.2910 0.3019 0.3130	1623011.9 W 1 0.2745	KATEEL WITHDRAWAL 017N 018W AUGUST 1 0.3290 0.2871 0.1344	13 NE SURFACE WATER OCTOBER 0.2415	NE 75 19 WATER SUPPLIER 21 0.2725
METLAKATLA COLD STORAGE UNKNOWN/METLAKATLA COLD STORAGE 2092 METERED MONTHLY 0.0000 0.0000	LAS 1000014	154154	550649.0 ACTIVE DATA POINT 12 70 0.1309 0.0000 0.0000 0.0000 0.0000 0.1149	1313240.9 W 1 0.1309	COPPER RIVER WITHDRAWAL 078S 092E AUGUST 3 0.1584 0.1072 0.0000	9 SE GROUNDWATER SEPTEMBER 0.0000	NW 0 0 COMMERCIAL 64 0.0000
METLAKATLA, CITY OF UNKNOWN SOURCE/WATER TREATMENT PLANT 4941 METERED MONTHLY 0.8959 .	LAS 1000014	154154	550649.0 ACTIVE DATA POINT 10 284 0.7058 0.8008 0.7788 0.5474 0.6998	1313240.9 W 1 0.7058	COPPER RIVER WITHDRAWAL 078S 092E 1 1.2218 0.7515 0.4379	9 SE GROUNDWATER 0.5484	NW 0 0 WATER SUPPLIER 64 0.4806
McGRATH, CITY OF KUSKOKWIM RIVER/CITY OF McGRATH 4941 METERED MONTHLY 0.0158 0.0277	LAS 969	126607	625705.0 PERMIT ISSUED 12 365 0.0263 0.0280 0.0230 0.0317 0.0273 0.0279	1553501.3 W 1 0.0263	SEWARD WITHDRAWAL 033N 033W MAY 1 0.0298 0.0217 0.0303	17 SE SURFACE WATER JANUARY 0.0236	NW 48 58 WATER SUPPLIER 41 0.0284
NENANA, CITY OF WELL/CITY OF NENANA 4941 METERED MONTHLY 0.0309 0.0305	ADL 400616	126781	643345.7 CERTIFICATE ISSUED 12 365 0.0342 0.0324 0.0253 0.0361 0.0600	1490529.3 W 1 0.0342	FAIRBANKS WITHDRAWAL 004S 008W JULY 1 0.0427 0.0349 0.0295	14 SW GROUNDWATER MAY 0.0332	SE 11 24 WATER SUPPLIER 34 0.0266
NOME, CITY OF MOONLIGHT SPRINGS/CITY OF NOME 4941 METERED MONTHLY 0.4426 0.4536	ADL 42993	126821	643308.0 PERMIT ISSUED 12 365 0.4614 0.4694 0.4680 0.4878 0.5021 0.4961	1652420.7 W 1 0.4614	KATEEL WITHDRAWAL 011S 034W JUNE 1 0.4793 0.4248 0.4364	11 SE GROUNDWATER SEPTEMBER 0.4417	NE 53 18 WATER SUPPLIER 22 0.4281

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SOURCE/DESTINATION			STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS		
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH	MIN. MONTH		HYD			
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
NOORVIK, CITY OF KOBUK RIVER/CITY OF NOORVIK 4941 0.0064	ESTIMATED MONTHLY 0.0035	ADL 79902	126822	665081.0	1610213.9 W	KATEEL	017N	011W	34	NW	NE	39	17	
			CERTIFICATE ISSUED	1	WITHDRAWAL	JULY	SURFACE WATER	WATER SUPPLIER						
			12	365	0.0060	0.0060	MAY	1	0.0054	13				
			0.0056	0.0061	0.0087	0.0053	0.0049	0.0052	0.0035	0.0062	0.0054	0.0053		
NORFOLK UTILITIES, INC. WELL A/EAGLE RIVER VALLEY RANCHETTES 4941 0.1604	METERED MONTHLY 0.1639	ADL 209576	126831	611857.0	1493205.3 W	SEWARD	014N	001W	7	NW	SW	27	73	
			PERMIT ISSUED	1	WITHDRAWAL	JUNE	GROUNDWATER	WATER SUPPLIER						
			12	366	0.1999	0.2005		1	0.1662	53				
			0.1704	0.1735	0.2637	0.3488	0.2545	0.1839	0.1761	0.1676	0.1662	0.1739		
NORTH POLE, CITY OF WELLS 2 & 3/CITY OF NORTH POLE 4941 0.0643	METERED MONTHLY 0.0773	ADL 403254	126845	644504.0	1472054.8 W	FAIRBANKS	002S	002E	9	SW	SE	16	21	
			CERTIFICATE ISSUED	1	WITHDRAWAL	MAY	GROUNDWATER	WATER SUPPLIER						
			12	365	0.0846	0.0846		1	0.0923	34				
			0.0857	0.0895	0.1022	0.1001	0.0946	0.0806	0.0783	0.0639	0.0923	0.0871		
NORTH POLE, CITY OF WELL 4F/CITY OF NORTH POLE 4941 0.0075	METERED MONTHLY 0.0000	ADL 403254	126845	644504.0	1472054.8 W	FAIRBANKS	002S	002E	9	SW	SE	16	21	
			CERTIFICATE ISSUED	1	WITHDRAWAL	JANUARY	GROUNDWATER	WATER SUPPLIER						
			12	39	0.0037	0.0006		2	0.0000	34				
			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
NORTH POLE, CITY OF WELL 5F/CITY OF NORTH POLE 4943 0.0000	METERED MONTHLY 0.0000	ADL 403254	126845	644504.0	1472054.8 W	FAIRBANKS	002S	002E	9	SW	SE	16	21	
			CERTIFICATE ISSUED	1	WITHDRAWAL		GROUNDWATER	WATER SUPPLIER						
			12	8	0.0000	0.0000		3	0.0000	34				
			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
NORTH WOODS, INC. 340' WELL/NORTHWOODS SUBDIVISION 4941 0.0296	METERED MONTHLY 0.0336	ADL 74176	115001	612509.6	1492736.1 W	SEWARD	015N	001W	4	NW	SE	30	33	
			PERMIT ISSUED	1	WITHDRAWAL	JULY	GROUNDWATER	WATER SUPPLIER						
			12	355	0.0324	0.0315		1	0.0370	53				
			0.0292	0.0271	0.0284	0.0330	0.0388	0.0376	0.0376	0.0370	0.0360	0.0307		
ORTNER, WALTER P. WELL/EAGLE VIEW CAR WASH 7542 0.0032	METERED MONTHLY 0.0032	LAS 2102	167248	613600.0	1491220.3 W	SEWARD	018N	001E	36	SW	SW	1	79	
			PERMIT ISSUED	1	WITHDRAWAL		GROUNDWATER	COMMERCIAL						
			12	365	0.0023	0.0023		1	0.0020	53				
			0.0032	0.0027	0.0027	0.0014	0.0014	0.0014	0.0020	0.0020	0.0020	0.0020		
PALMER, CITY OF WELLS 1-3/CITY OF PALMER 4941 0.5541	METERED MONTHLY 0.5434	ADL 201324	127015	613627.0	1490850.7 W	SEWARD	018N	002E	33	SE	NE	42	4	
			CERTIFICATE ISSUED	1	WITHDRAWAL	JUNE	GROUNDWATER	WATER SUPPLIER						
			12	365	0.6126	0.6126		1	0.6135	53				
			0.5832	0.6397	0.7113	0.6543	0.6543	0.6110	0.5890	0.6135	0.6488			
PETERSBURG, CITY OF STREAM/CITY OF PETERSBURG 4941 0.5126	METERED MONTHLY 0.6081	LAS 6550	127077	564724.0	1325423.8 W	COPPER RIVER	059S	079E	1	NW	NW	60	65	
			PERMIT ISSUED	1	WITHDRAWAL	AUGUST	SURFACE WATER	WATER SUPPLIER						
			12	365	0.9396	0.9396		1	0.6074	63				
			0.5361	0.6070	0.7596	0.9678	1.4655	2.6038	1.4105	0.6654	0.6074	0.5130		

PORT LIONS, CITY OF BRANCHWATER CREEK/CITY OF PORT LIONS #941 METERED MONTHLY 0.0733 0.0785	LAS 3357	127129	575228.0 PERMIT ISSUED 12 365 0.0775 0.0663 0.0630 0.0628	1525350.5 W 1 0.0719 0.0687	SEWARD WITHDRAWAL 027S MARCH 0.0688	0.022W 1	6 SE SURFACE WATER JULY 0.0723	NE WATER SUPPLIER 51 0.0771	76 12
PRINCE WILLIAM SOUND AQUACULTURE CORP. ESTHER LAKE HYDRO/ESTHER IS. HATCHERY 921 CALCULATED MONTHLY 38.1300 34.8987	LAS 1312	127145	604806.4 PERMIT ISSUED 12 365 34.2524 27.7807 36.8375 35.5450	1480501.8 W 1 33.3529 35.5450	SEWARD DELIVERY 008N AUGUST 34.8987	0.088E 1	8 SW TRANSFERRED WATER MARCH 36.8375	NE AQUACULTURE 58 32.9599	35
QUINHAGAK, CITY OF KANEXTOK RIVER/CITY OF QUINHAGAK #941 METERED MONTHLY 0.0049 0.0027	LAS 11322	6293	594504.0 ACTIVE DATA POINT 12 365 0.0019 0.0052 0.0091 0.0023	1615148.2 W 1 0.0039 0.0023	SEWARD WITHDRAWAL 005S JUNE 0.0035	0.074W 1	9 SW SURFACE WATER APRIL 0.0033	NW WATER SUPPLIER 41 0.0026	0 0
SAINT MICHAEL, CITY OF MAIN WELL/CITY OF SAINT MICHAEL #941 METERED MONTHLY 0.0299 0.0268	ADL 76070	127559	632730.0 APPLICATION ACCEPTED 10 289 0.0266 0.0236 0.0172 0.0236	1620655.1 W 1 0.0244 0.0236	KATEEL WITHDRAWAL 023S 0.0233	0.018W 1	34 NW SURFACE WATER 0.0159	NE WATER SUPPLIER 44 0.0163	70 31
SAINT PAUL, CITY OF 86(N), 110(S) WELLS/CITY OF ST. PAUL #941 METERED MONTHLY 0.0066	LAS 3311	154092	570845.0 PERMIT ISSUED 11 334 0.0054 0.0054 0.0023 0.0008	1701528.3 W 1 0.0057 0.0008	SEWARD WITHDRAWAL 035S 0.0042 0.0031	131W 1	18 SE GROUNDWATER 0.0112	SW WATER SUPPLIER 44 0.0117	3 58
SAND POINT, CITY OF HUMBOLDT CREEK/CITY OF SAND POINT #941 METERED MONTHLY 0.2300 0.1835	ADL 201803	127351	552029.0 CERTIFICATE ISSUED 12 365 0.1940 0.1937 0.1886 0.1650 0.1997	1602901.1 W 1 0.1953 0.1997	SEWARD WITHDRAWAL 056S JANUARY 0.2103 0.1974	0.073W 1	9 SW SURFACE WATER JUNE 0.1996	SW WATER SUPPLIER 43 0.1750	16 79
SAXMAN, CITY OF SAXMAN CREEK/CITY OF SAXMAN #941 METERED MONTHLY 0.0856 0.0616	ADL 44121	127363	551925.0 PERMIT ISSUED 12 365 0.0438 0.0397 0.0445 0.0361 0.0380	1313540.8 W 1 0.0435 0.0380	COPPER RIVER WITHDRAWAL 075S JANUARY 0.0271 0.0303	0.018E 1	33 SE SURFACE WATER AUGUST 0.0340	NW WATER SUPPLIER 64 0.0367	43 57
SCAMMON BAY, CITY OF HILL STREAM/CITY OF SCAMMON BAY #941 METERED MONTHLY 0.0391 0.0439	ADL 46364	127365	615026.0 CERTIFICATE ISSUED 12 365 0.0376 0.0489 0.0505 0.0521	1653454.4 W 1 0.0455 0.0521	SEWARD WITHDRAWAL 026N JULY 0.0470 0.0472	0.090W 1	10 SE SURFACE WATER APRIL 0.0476	NW WATER SUPPLIER 36 0.0458	53 52
SETTLERS BAY PROPERTIES, INC. WELL/CONDOS #941 METERED MONTHLY 0.0016 0.0023	ADL 74699	127403	613104.0 PERMIT ISSUED 12 365 0.0030 0.0030 0.0030 0.0019	1493656.3 W 1 0.0022 0.0019	SEWARD WITHDRAWAL 017N JUNE 0.0015 0.0018	0.002W 1	34 NE GROUNDWATER AUGUST 0.0020	SW WATER SUPPLIER 52 0.0016	25 44
SETTLERS BAY PROPERTIES, INC. WELL #1/GOLF COURSES & RESIDENCES #941 METERED MONTHLY 0.0069 0.0049	ADL 74700	127403	613023.3 PERMIT ISSUED 12 341 0.0066 0.0066 0.0075 0.0077	1493644.9 W 1 0.0047 0.0077	SEWARD WITHDRAWAL 016N JULY 0.0046 0.0036	0.002W 1	3 SE GROUNDWATER DECEMBER 0.0034	NW WATER SUPPLIER 52 0.0030	42 41
SEWARD, CITY OF FT. RAYMOND WELL #2/CITY OF SEWARD #941 METERED MONTHLY 0.3667 0.2952	ADL 39936	127408	600637.0 CERTIFICATE ISSUED 12 365 0.3360 0.3080 0.1230 0.2075	1492649.8 W 1 0.2244 0.2075	SEWARD WITHDRAWAL 001S JANUARY 0.2640 0.2851	0.001W 2	9 NW GROUNDWATER NOVEMBER 0.0151	SE WATER SUPPLIER 54 0.1904	70 9
SEWARD, CITY OF FT. RAYMOND WELL #3/CITY OF SEWARD #941 METERED MONTHLY 0.3373 0.2399	ADL 39936	127408	600637.0 CERTIFICATE ISSUED 12 334 0.2278 0.2310 0.0458 0.3767	1492648.4 W 1 0.2615 0.3767	SEWARD WITHDRAWAL 001S AUGUST 0.4360 0.5339	0.001W 3	9 NW GROUNDWATER DECEMBER 0.0220	SE WATER SUPPLIER 54 0.0000	69 8

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SOURCE/DESTINATION			STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS		
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH		MIN. MONTH		HYD		
JANUARY	FEBRUARY		MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
SEWARD, CITY OF FT. RAYMOND WELL #4/CITY OF SEWARD 4941 METERED MONTHLY 0.0000 0.0000			ADL 39936	127408	600610.0 CERTIFICATE ISSUED 12 62 0.0000 0.0000	1492709.3 W 1 0.4786 0.0715	SEWARD WITHDRAWAL 0.0813 0.8857	001S 001W 4 AUGUST	9 NW GROUNDWATER SE	29 24 WATER SUPPLIER 54	0.0000			
SEWARD, CITY OF FT. RAYMOND WELL #1/CITY OF SEWARD 4941 METERED MONTHLY 0.0000 0.1049			ADL 39936	127408	600658.0 CERTIFICATE ISSUED 12 335 0.0266 0.8106	1492708.5 W 1 0.3389 0.9205	SEWARD WITHDRAWAL 0.3110 0.4901	002S 001W 6 MAY	9 NW GROUNDWATER SE	28 24 WATER SUPPLIER 54	0.0004	0.3015		
SEWARD, CITY OF MARATHON CREEK/CITY OF SEWARD 4941 METERED MONTHLY 0.3635 0.4221			ADL 210826	127408	600633.0 PERMIT ISSUED 12 335 0.2918 0.0000	1492711.9 W 1 0.3729 0.3577	SEWARD WITHDRAWAL 0.3423 0.7055	001S 001W 1 NOVEMBER	9 NW SURFACE WATER NE	63 26 WATER SUPPLIER 54	0.9323	0.5199		
SHAGELUK, CITY OF UNKNOWN SOURCE/CITY OF SHAGELUK 4941 METERED MONTHLY 0.0001 0.0001			ADL 75856	127412	624037.8 PERMIT ISSUED 2 59 POOR	1593324.0 W 1 0.0001	SEWARD WITHDRAWAL 0.0001	030N 035W 1	22 SE GROUNDWATER NE	48 4 WATER SUPPLIER 36				
SHISHMAREF, CITY OF LAKE/CITY OF SHISHMAREF 4941 METERED MONTHLY 0.0005 0.0005			ADL 75901	127428	661516.0 CERTIFICATE ISSUED 8 242 0.0005 0.0006	1660336.4 W 1 0.1411	KATEEL WITHDRAWAL 0.0003	010N 035W 1	24 SW SURFACE WATER NW	47 76 WATER SUPPLIER 21	0.0011	0.0007		
SHISHMAREF, CITY OF LAKE/CITY OF SHISHMAREF WASHETERIA 4941 METERED MONTHLY 0.0023 0.0023			ADL 75901	127428	661516.0 CERTIFICATE ISSUED 12 365 0.0020 0.0024	1660336.4 W 1 0.0032 0.0020	KATEEL WITHDRAWAL 0.0032 0.0069	010N 035W 2 AUGUST	24 SW SURFACE WATER NW	47 76 WATER SUPPLIER 21	0.0019	0.0023		
SHISHMAREF, CITY OF LAKE/CITY OF SHISHMAREF PUBLIC SELF-SERV 4941 METERED MONTHLY . .			ADL 75901	127428	661516.0 CERTIFICATE ISSUED 6 184 FAIR	1660336.4 W 1 0.0017 0.0012	KATEEL WITHDRAWAL 0.0074	010N 035W 3	24 SW SURFACE WATER NW	47 76 WATER SUPPLIER 21	0.0002	0.0003		
SITKA, CITY & BOROUGH OF GREEN LAKES DAM/HYDROELECTRIC POWER 4912 CALCULATED MONTHLY 189.3577 206.1608			ADL 100007	127456	565841.5 CERTIFICATE ISSUED 12 365 193.2353 197.7592	1350554.2 W 1 171.0266 175.1997	COPPER RIVER WITHDRAWAL 171.0266 160.9217	056S 065E 1 FEBRUARY	29 SE SURFACE WATER NW	0 0 HYDROELECTRIC POWER 66	135.7171	200.3443		
SOLDOTNA, CITY OF WELL 'B'/CITY OF SOLDOTNA 4941 METERED MONTHLY 0.2733 0.2175			ADL 40315	127502	602947.0 CERTIFICATE ISSUED 12 365 0.2166 0.1168	1510414.8 W 1 0.3097 0.3551	SEWARD WITHDRAWAL 0.3097 0.3738	005N 010W 1 DECEMBER	29 SE GROUNDWATER NW	46 42 WATER SUPPLIER 53	0.3484	0.4267		

3	SOLDOTNA, CITY OF WELL 'A'/CITY OF SOLDOTNA 4941 METERED MONTHLY 0.0000 0.0000	ADL 52342	127502	602925.0 CERTIFICATE ISSUED 12 153 0.0317 0.0294 0.0114 0.0009	1510481.6 W 1 0.0148 0.0062 0.0000 0.0000	SEWARD WITHDRAWAL 005N APRIL 010W 1 0.0000 0.0000	29 SW GROUNDWATER DECEMBER 0.0000	SE 12 32 WATER SUPPLIER S3 0.0007
	SOLDOTNA, CITY OF WELL 'C'/CITY OF SOLDOTNA 4941 METERED MONTHLY 0.2365 0.2911	ADL 206983	127502	602932.0 CERTIFICATE ISSUED 12 365 0.3209 0.1817 0.0050 0.1714 0.3025	1510536.2 W 1 0.2441 0.2441 0.2194 0.3725 0.2391	SEWARD WITHDRAWAL 005N SEPTEMBER 010W 1 0.2969 0.2927	30 NW GROUNDWATER MAY 0.2969	SE 23 24 WATER SUPPLIER S3 0.2927
	SOLDOTNA, CITY OF WELL 'D'/SPORTS CENTER 7999 METERED MONTHLY 0.0162 0.0123	ADL 214896	127502	602854.0 PERMIT ISSUED 12 334 0.0138 0.0067 0.0018 0.0039 0.0000	1510534.3 W 1 0.0077 0.0071 0.0033 0.0045 0.0080	SEWARD WITHDRAWAL 005N JANUARY 010W 1 0.0082 0.0062	31 SE GROUNDWATER JULY 0.0082	SW 45 15 WATER SUPPLIER S3 0.0062
	SOLDOTNA, CITY OF WELL 'E'/CITY OF SOLDOTNA AIRPORT 4941 METERED MONTHLY 0.0000 0.0000	LAS 11215	127502	602840.0 APPLICATION ACCEPTED 12 92 0.0000 0.0000 0.0000 0.0000 0.0000	1510150.8 W 1 0.0006 0.0001 0.0000 0.0000 0.0005	SEWARD WITHDRAWAL 005N DECEMBER 010W 1 0.0005 0.0005	33 NE GROUNDWATER NOVEMBER 0.0005	SE 23 13 WATER SUPPLIER S3 0.0007
	SOUTHPARK TERRACE HOMEOWNERS ASSOC. INFIL. GALLERY/SOUTHPARK TERRACE 4941 METERED MONTHLY 0.0156 0.0189	ADL 209628	177519	610446.0 PERMIT ISSUED 12 365 0.0193 0.0259 0.0246 0.0305 0.0356	1494801.1 W 1 0.0230 0.0230 0.0208 0.0187 0.0197	SEWARD WITHDRAWAL 011N JULY 003W 1 0.0197 0.0197	3 NW SURFACE WATER JANUARY 0.0190	NW 77 77 WATER SUPPLIER S3 0.0260
	STANDARD ALASKA PRODUCTION COMPANY BIG LAKE/STANDARD AK. PROD. CO. 1311 METERED MONTHLY 0.2127 0.2053	ADL 66117	124848	701720.0 CERTIFICATE ISSUED 12 365 0.1225 0.1225 0.1225 0.0860 0.0860	1484249.0 W 1 0.1218 0.1218 0.0860 0.0860 0.0643	UMIAT WITHDRAWAL 011N MARCH 013E 1 0.0643 0.0643	24 SW SURFACE WATER MINING 11 0.0643	SE 17 24 MINING S3 0.0643
	STANDARD ALASKA PRODUCTION COMPANY KUPARUK RIVER/RESERVOIR #4 1311 METERED MONTHLY 0.0226 0.0483	ADL 75979	107377	701954.0 CERTIFICATE ISSUED 12 365 0.0712 0.0540 0.0540 0.0540 0.0187	1485708.5 W 1 0.0437 0.0437 0.0187 0.0187 0.0552	UMIAT WITHDRAWAL 011N MARCH 013E 1 0.0552 0.0552	6 SW SURFACE WATER MINING 11 0.0552	SW 15 70 MINING S3 0.0552
	TATTILEK, VILLAGE OF WATER TREATMENT FACILITY/TATTILEK 4941 METERED MONTHLY 0.0154 0.0137	ADL 76071	127661	605152.0 CLOSED 12 365 0.0168 0.0118 0.0095 0.0108 0.0122	1463821.8 W 1 0.0151 0.0151 0.0122 0.0190 0.0162	COPPER RIVER WITHDRAWAL 011S MARCH 008W 1 0.0162 0.0162	33 SE SURFACE WATER JUNE 0.0148	SE 0 0 WATER SUPPLIER S4 0.0122
	TESORO ALASKAN PETROLEUM COMPANY WELL #1/TESORO ALASKA PETROLEUM COMPANY 2911 METERED MONTHLY 0.0007 0.0011	ADL 42906	127684	604111.0 CERTIFICATE ISSUED 12 274 0.0000 0.0000 0.0002 0.0003 0.0000	1512213.4 W 1 0.0006 0.0004 0.0000 0.0000 0.0000	SEWARD WITHDRAWAL 007N NOVEMBER 012W 1 0.0000 0.0000	22 SE GROUNDWATER OCTOBER 0.0014	NW 56 60 INDUSTRIAL S3 0.0004
	TESORO ALASKAN PETROLEUM COMPANY WELL #2/TESORO ALASKA PETROLEUM COMPANY 2911 METERED MONTHLY 0.3202 0.3439	ADL 42906	127684	604111.0 CERTIFICATE ISSUED 12 365 0.3582 0.3709 0.2458 0.3216 0.3648	1512152.2 W 1 0.3350 0.3350 0.3648 0.3478 0.3533	SEWARD WITHDRAWAL 007N AUGUST 012W 1 0.3533 0.3533	22 SE GROUNDWATER JUNE 0.3540	NW 58 44 INDUSTRIAL S3 0.3264
	THORNE BAY, CITY OF WATER LAKE/CITY OF THORNE BAY 4941 METERED MONTHLY 0.0040 0.0033	LAS 11465	184125	554134.7 ACTIVE DATA POINT 10 303 0.0035 0.0033 0.0041 0.0044 0.0040	1323048.7 W 1 0.0044 0.0044 0.0046 0.0052 0.0059	COPPER RIVER WITHDRAWAL 071S 084E 1 0.0059 0.0061	22 SW SURFACE WATER JUNE 0.0061	SE 6 36 WATER SUPPLIER S7 0.0061
	TRIDENT SEAFOODS CORP., WILLIAM S. LAGEN UNAMED STREAM/TRIDENT SEAFOODS CORP. 2091 METERED MONTHLY 0.1578 0.1921	ADL 62233	2328	540815.0 PERMIT ISSUED 11 365 0.1833 0.1976 0.1118 0.1634 0.1298	1654748.4 W 1 0.1410 0.1410 0.1298 0.1425 0.1071	SEWARD WITHDRAWAL 070S 112W 1 0.1071 0.1071	10 NE SURFACE WATER JUNE 0.0587	NE 74 9 COMMERCIAL S3 0.1205

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SOURCE/DESTINATION			STATUS DESCRIPTION			FS	USE CODE		WS	USE TYPE		NWUDS		
SIC	RECORDS	PERIOD	ACCURACY	MONTHS	DAYS	DAILY AVG	YEARLY AVG	MAX. MONTH		MIN. MONTH	HYD			
JANUARY	FEBRUARY		MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		
TURNER CONSTRUCTION CO. 2 WELLS/EQUESTRIAN ACRES SUBDIVISION 4941 0.0000			LAS 1270	159325	613607.8	1491004.4 W	SEWARD	018N	002E	31	SE	SW	12	58
METERED MONTHLY			FAIR	12	214	0.0390	0.0229	DECEMBER	1	GROUNDWATER	JULY	WATER SUPPLIER	53	
0.0000			0.0000	0.0000	0.0212	0.0201	0.0449	0.0463	0.0460	0.0460	0.0460	0.0483		
U.S. DEPARTMENT OF ENERGY, A.P.A. EKLUTNA LAKE/POWERPLANT TAILRACE 4912 243.4894			ADL 44944	173270	612945.1	1490727.8 W	SEWARD	016N	002E	8	NE	NE	63	14
CALCULATED MONTHLY			GOOD	12	365	189.0592	189.0592	APRIL	1	SURFACE WATER	MAY	HYDROELECTRIC POWER	53	
263.3970			244.9506	313.4072	3.0172	58.8575	72.4934	159.2047	222.9373	265.5040	224.2020	206.7052		
UNALAKLEET, CITY OF POWERS CREEK/CITY OF UNALAKLEET 4941 0.0548			LAS 11323	6295	635611.0	1604835.3 W	KATEEL	018S	011W	9	SE	SW	0	0
METERED MONTHLY			FAIR	12	365	0.0596	0.0596	AUGUST	1	SURFACE WATER	FEBRUARY	WATER SUPPLIER	22	
0.0536			0.0581	0.0580	0.0613	0.0583	0.0581	0.0645	0.0633	0.0613	0.0633	0.0597		
UNION CHEMICALS DIV., UNOCAL CO. WELL #7/UNION CHEMICALS DIV., UNOCAL 2873 1.1401			ADL 42514	125261	604030.0	1512013.9 W	SEWARD	007N	012W	26	NE	NW	75	50
METERED MONTHLY			GOOD	12	365	1.1294	1.1294	AUGUST	1	GROUNDWATER	MARCH	INDUSTRIAL	53	
1.0236			0.8291	1.1154	1.1134	1.2332	1.2008	1.2594	1.2229	1.2551	1.0589	1.0950		
UNION OIL COMPANY DIV., UNOCAL CO. WELLS #1 & 5/UNOCAL 2873 0.4229			ADL 78075	127892	604107.4	1512243.7 W	SEWARD	007N	012W	21	SE	NE	52	3
METERED MONTHLY			GOOD	12	365	0.5281	0.5281	JULY	1	GROUNDWATER	OCTOBER	INDUSTRIAL	53	
0.3785			0.5146	0.6192	0.6035	0.6295	0.7679	0.7009	0.4472	0.3773	0.4167	0.4447		
UNION OIL COMPANY DIV., UNOCAL CO. WELL #6/UNOCAL 2873 0.3882			ADL 203480	106901	604112.0	1512259.6 W	SEWARD	007N	012W	21	SE	NE	60	15
METERED MONTHLY			GOOD	12	324	0.3169	0.2813	MAY	1	GROUNDWATER	SEPTEMBER	INDUSTRIAL	53	
0.3203			0.3803	0.2925	0.4467	0.2927	0.2824	0.2471	0.1134	0.2594	0.2713	0.3595		
USDA/FS, CHUGACH NATIONAL FOREST 100' WELL/PORTAGE VISITOR'S CENTER 7999 0.0001			LAS 5036	151454	604705.7	1485021.4 W	SEWARD	008N	003E	13	SW	NE	45	24
METERED MONTHLY			GOOD	12	356	0.0019	0.0019	APRIL	1	GROUNDWATER	FEBRUARY	WATER SUPPLIER	53	
0.0001			0.0032	0.0048	0.0022	0.0028	0.0040	0.0035	0.0018	0.0010	0.0001	0.0001		
VALDEZ, CITY OF HANAGITA WELL #1/CITY OF VALDEZ 4941 0.0000			ADL 46360	127957	610807.9	1462141.6 W	COPPER RIVER	008S	006W	31	SE	NE	61	17
METERED MONTHLY			GOOD	12	210	0.3326	0.1913	FEBRUARY	1	GROUNDWATER		WATER SUPPLIER	54	
0.5696			0.5629	0.4810	0.0000	0.0585	0.0585	0.4191	0.2813	0.0000	0.0000	0.0000		
VALDEZ, CITY OF HANAGITA WELL #3/CITY OF VALDEZ 4941 0.5765			ADL 46360	127957	610807.9	1462141.6 W	COPPER RIVER	008S	006W	31	SE	NE	61	17
METERED MONTHLY			GOOD	12	365	0.3716	0.3716	OCTOBER	3	GROUNDWATER	MARCH	WATER SUPPLIER	54	
0.0886			0.0260	0.2019	0.6782	0.0377	0.0377	0.3705	0.4587	0.8820	0.6997	0.7278		

W U	VALDEZ, CITY OF HANAGITA WELLS #1-3/CITY OF VALDEZ 4941 METERED MONTHLY 0.5765 0.6581	ADL 46360	127957	592559.9 PERMIT ISSUED 365 0.6782	1502102.2 W 1 0.5856 0.0962	SEWARD WITHDRAWAL 0.5856 0.7400	008S 4 OCTOBER	006W 4 0.8820	31 SE GROUNDWATER APRIL	NE 0 0 WATER SUPPLIER 54 0.7278
	VALDEZ, CITY OF UAK WEST EAGAN/CITY OF VALDEZ 4941 METERED MONTHLY 0.7533 0.7533	ADL 209799	127957	610752.0 PERMIT ISSUED 311 0.7481	1462251.5 W 1 0.6786 0.4380	COPPER RIVER WITHDRAWAL 0.5782 0.4935	008S 1 JULY	006W 1 0.5595	31 NW GROUNDWATER	SW 37 69 WATER SUPPLIER 54 0.5884
	VALDEZ, CITY OF WELL 7, ROBE RIVER/CITY OF VALDEZ 4941 METERED MONTHLY 0.1324 0.1324	LAS 2698	127957	610553.0 PERMIT ISSUED 363 0.1473	1461207.4 W 1 0.0949 0.0489	COPPER RIVER WITHDRAWAL 0.0944 0.0469	009S 1 APRIL	006W 1 0.0502	12 SE GROUNDWATER SEPTEMBER	SE 15 16 WATER SUPPLIER 54 0.0548
	VALDEZ, CITY OF WELL 5, LOOP ROAD/CITY OF VALDEZ 4941 METERED MONTHLY 0.0173 0.0173	LAS 2699	127957	610747.0 PERMIT ISSUED 365 0.0290	1461703.4 W 1 0.0228 0.0312	COPPER RIVER WITHDRAWAL 0.0228 0.0183	008S 1 JULY	006W 1 0.0188	34 NE GROUNDWATER NOVEMBER	SW 30 50 WATER SUPPLIER 54 0.0280
	VALDEZ, CITY OF WELL 6, SOUTH CENTRAL/CITY OF VALDEZ 4941 METERED MONTHLY 0.2113 0.2113	LAS 2700	127957	610734.0 PERMIT ISSUED 270 -	1461431.4 W 1 0.3159 -	COPPER RIVER WITHDRAWAL - 0.3518	008S 1 -	006W 1 0.3675	35 SE GROUNDWATER	SE 9 17 WATER SUPPLIER 54 0.4131
	VALLI VUE ESTATES SUBDIVISION 181' WELL/VALLI VUE SUBDIVISION 4941 METERED MONTHLY 0.0494 0.0715	ADL 200239	127962	610732.7 CERTIFICATE ISSUED 365 0.0766	1494521.9 W 1 0.0578 0.1029	SEWARD WITHDRAWAL 0.0578 0.0511	012N 1 JUNE	003W 1 0.0459	14 SW GROUNDWATER MARCH	SE 13 38 WATER SUPPLIER 53 0.0481
	WALES, CITY OF GILBERT CREEK/WASHETERIA 4941 METERED MONTHLY 0.0009 0.0009	LAS 11324	6298	653547.0 ACTIVE DATA POINT 365 0.0011	1680314.4 W 1 0.0009 0.0012	KATEEL WITHDRAWAL 0.0009 0.0006	002N 1 JUNE	045W 1 0.0006	5 SW SURFACE WATER OCTOBER	NW 0 0 WATER SUPPLIER 22 0.0009
	WASILLA, CITY OF JOFAROD WELL #22137/CITY OF WASILLA 4941 METERED MONTHLY 0.2000 0.1943	ADL 209104	128025	613513.3 PERMIT ISSUED 365 0.2191	1492607.8 W 1 0.2169 0.2489	SEWARD WITHDRAWAL 0.2169 0.2426	017N 1 JUNE	001W 1 0.2265	3 SE GROUNDWATER MARCH	SE 8 47 WATER SUPPLIER 52 0.2048
	WASILLA, CITY OF WELL #223763/MISSION HILLS SUB. PHASE 2&3 4941 METERED MONTHLY 0.0090 0.0064	LAS 1141	128025	613532.9 PERMIT ISSUED 365 0.0076	1493102.7 W 1 0.0090 0.0376	SEWARD WITHDRAWAL 0.0090 0.0047	017N 1 JUNE	001W 1 0.0051	6 NW GROUNDWATER JULY	SE 38 23 WATER SUPPLIER 52 0.0038
	WASILLA, CITY OF DEC WELL #224109/LUCY LAINE SUBD. 4941 METERED MONTHLY 0.0002 0.0003	LAS 1541	128025	613558.9 PERMIT ISSUED 365 0.0006	1492602.3 W 1 0.0006 0.0030	SEWARD WITHDRAWAL 0.0006 0.0007	017N 1 JUNE	001W 1 0.0009	3 NE GROUNDWATER JANUARY	NW 78 43 WATER SUPPLIER 52 0.0006
	YAKUTAT, CITY OF MAIN WELL 'A', 325'/CITY OF YAKUTAT 4941 METERED MONTHLY 0.0723 0.0844	ADL 43340	128153	593306.8 CERTIFICATE ISSUED 365 0.1320	1394413.3 W 1 0.1066 0.1477	COPPER RIVER WITHDRAWAL 0.1066 0.1488	027S 1 AUGUST	033E 1 0.0929	25 NE GROUNDWATER NOVEMBER	NE 67 15 WATER SUPPLIER 61 0.0466
	YAKUTAT, CITY OF BACK-UP WELL/CITY OF YAKUTAT 4941 METERED MONTHLY 0.0000 0.0000	ADL 43340	128153	593306.0 CERTIFICATE ISSUED 183 0.0149	1394413.3 W 1 0.0221 0.0165	COPPER RIVER WITHDRAWAL 0.0111 0.0370	027S 2 SEPTEMBER	033E 2 0.0000	25 NE GROUNDWATER JUNE	NE 67 15 WATER SUPPLIER 61 0.0000

APPENDIX C

Alaska facilities reporting water-use in 1986

APPENDIX C

Alaska facilities reporting water use in 1986
Cross-referenced by ADL/LAS file type and number

OBS	FILE TYPE	FILE NUMBER	FACILITY NAME	CID NUMBER
1	ADL	39797	KODIAK, CITY OF	126356
2	ADL	39936	SEWARD, CITY OF	127408
3	ADL	39936	SEWARD, CITY OF	127408
4	ADL	39936	SEWARD, CITY OF	127408
5	ADL	39936	SEWARD, CITY OF	127408
6	ADL	40315	SOLDOTNA, CITY OF	127502
7	ADL	42514	UNION CHEMICALS DIV., UNOCAL CO.	125261
8	ADL	42595	KING COVE, CITY OF	126307
9	ADL	42906	TESORO ALASKAN PETROLEUM COMPANY	127684
10	ADL	42906	TESORO ALASKAN PETROLEUM COMPANY	127684
11	ADL	42993	NOME, CITY OF	126821
12	ADL	43117	INDIAN COVE WATER COMPANY	126102
13	ADL	43340	YAKUTAT, CITY OF	128153
14	ADL	43340	YAKUTAT, CITY OF	128153
15	ADL	44121	SAXMAN, CITY OF	127363
16	ADL	44197	ANCHORAGE, MUN. (AWWU)	167803
17	ADL	44626	ANCHORAGE, MUN. (AWWU)	167803
18	ADL	44626	ANCHORAGE, MUN. (AWWU)	167803
19	ADL	44944	U.S. DEPARTMENT OF ENERGY, A.P.A.	173270
20	ADL	45127	ANCHORAGE, MUN. (AWWU)	167803
21	ADL	45420	ANCHORAGE, MUN. (AWWU)	167803
22	ADL	45780	ALASKA ELECTRIC LIGHT & POWER COMPANY	124471
23	ADL	46054	DILLINGHAM, CITY OF	125481
24	ADL	46360	VALDEZ, CITY OF	127957
25	ADL	46360	VALDEZ, CITY OF	127957
26	ADL	46360	VALDEZ, CITY OF	127957
27	ADL	46364	SCAMMON BAY, CITY OF	127365
28	ADL	48794	KETCHIKAN, CITY OF	126297
29	ADL	48795	KETCHIKAN, CITY OF	126297
30	ADL	50906	ANCHORAGE, MUN. (AWWU)	167803
31	ADL	50907	ANCHORAGE, MUN. (AWWU)	167803
32	ADL	50908	ANCHORAGE, MUN. (AWWU)	167803
33	ADL	50909	ANCHORAGE, MUN. (AWWU)	167803
34	ADL	50911	ANCHORAGE, MUN. (AWWU)	167803
35	ADL	50923	ANCHORAGE, MUN. (AWWU)	167803
36	ADL	50924	ANCHORAGE, MUN. (AWWU)	167803
37	ADL	50926	ANCHORAGE, MUN. (AWWU)	167803
38	ADL	50927	ANCHORAGE, MUN. (AWWU)	167803
39	ADL	51573	ANCHORAGE, MUN. (AWWU)	167803
40	ADL	52025	HAINES, CITY OF	125925
41	ADL	52342	SOLDOTNA, CITY OF	127502
42	ADL	52514	ANCHORAGE, MUN. (AWWU)	167803
43	ADL	53282	KENAI, CITY OF	126275
44	ADL	53282	KENAI, CITY OF	126275
45	ADL	53556	HAINES, CITY OF	125925

OBS	FILE TYPE	FILE NUMBER	FACILITY NAME	CID NUMBER
46	ADL	53813	FAIRBANKS MUNICIPAL UTILITY SYSTEM	114790
47	ADL	53813	FAIRBANKS MUNICIPAL UTILITY SYSTEM	114790
48	ADL	53813	FAIRBANKS MUNICIPAL UTILITY SYSTEM	114790
49	ADL	54850	ANCHORAGE, MUN. (AWWU)	167803
50	ADL	54850	ANCHORAGE, MUN. (AWWU)	167803
51	ADL	54851	ANCHORAGE, MUN. (AWWU)	167803
52	ADL	57850	HOMER, CITY OF	126046
53	ADL	57850	HOMER, CITY OF	126046
54	ADL	62222	ANCHORAGE, MUN. (AWWU)	167803
55	ADL	62233	TRIDENT SEAFOODS CORP., WILLIAM S. LAGEN	2328
56	ADL	62346	CRAIG, CITY OF	125358
57	ADL	63855	ANCHORAGE, MUN. (AWWU)	167803
58	ADL	64153	ALYESKA PIPELINE SERVICE COMPANY	124668
59	ADL	65644	ANCHORAGE, MUN. (AWWU)	167803
60	ADL	65787	ANCHORAGE, MUN. (AWWU)	167803
61	ADL	66117	STANDARD ALASKA PRODUCTION COMPANY	12484
62	ADL	67133	HUSLIA, CITY OF	126089
63	ADL	67201	ANCHORAGE, MUN. (AWWU)	167803
64	ADL	73658	ANCHORAGE, MUN. (AWWU)	167803
65	ADL	74176	NORTH WOODS, INC.	115001
66	ADL	74699	SETTLERS BAY PROPERTIES, INC.	127403
67	ADL	74700	SETTLERS BAY PROPERTIES, INC.	127403
68	ADL	75856	SHAGELUK, CITY OF	127412
69	ADL	75895	ELIM, CITY OF	125579
70	ADL	75901	SHISHMAREF, CITY OF	127428
71	ADL	75901	SHISHMAREF, CITY OF	127428
72	ADL	75901	SHISHMAREF, CITY OF	127428
73	ADL	75902	NOORVIK, CITY OF	126822
74	ADL	75908	GRAYLING, CITY OF	125869
75	ADL	75908	GRAYLING, CITY OF	125869
76	ADL	75979	STANDARD ALASKA PRODUCTION COMPANY	107377
77	ADL	76070	SAINT MICHAEL, CITY OF	127559
78	ADL	76071	TATTILEK, VILLAGE OF	127661
79	ADL	78075	UNION OIL COMPANY DIV., UNOCAL CO.	127892
80	ADL	80511	DIV. ADM. CONTR. & FAC. OFC., DFG	163021
81	ADL	100007	SITKA, CITY & BOROUGH OF	127456
82	ADL	100066	JUNEAU, CITY & BOROUGH OF	126204
83	ADL	100411	KASAAN, CITY OF	126238
84	ADL	200239	VALLI VUE ESTATES SUBDIVISION	127962
85	ADL	201324	PALMER, CITY OF	127015
86	ADL	201555	ANCHORAGE, MUN. (AWWU)	167803
87	ADL	201803	SAND POINT, CITY OF	127351
88	ADL	201881	ANCHORAGE, MUN. (AWWU)	167803
89	ADL	201920	ANCHORAGE, MUN. (AWWU)	167803
90	ADL	201921	ANCHORAGE, MUN. (AWWU)	167803
91	ADL	202708	ANCHORAGE, MUN. (AWWU)	167803
92	ADL	202733	ANCHORAGE, MUN. (AWWU)	167803
93	ADL	202909	HILLSIDE PARK HOMEOWNER'S ASSOCIATION	16570
94	ADL	202997	ANCHORAGE, MUN. (AWWU)	167803
95	ADL	203480	UNION OIL COMPANY DIV., UNOCAL CO.	106901
96	ADL	203956	ANCHORAGE, MUN. (AWWU)	167803

OBS	FILE TYPE	FILE NUMBER	FACILITY NAME	CID NUMBER
97	ADL	206632	CRESTBROOK WATER ASSOCIATION, INC.	125365
98	ADL	206780	DIV. ADM. CONTR. & FAC. OFC., DFG	163021
99	ADL	206983	SOLDOTNA, CITY OF	127502
100	ADL	209104	WASILLA, CITY OF	128025
101	ADL	209576	NORFOLK UTILITIES, INC.	126831
102	ADL	209628	SOUTHPARK TERRACE HOMEOWNERS ASSOCIATION	177519
103	ADL	209799	VALDEZ, CITY OF	127957
104	ADL	209828	ANCHORAGE, MUN. (AWWU)	167803
105	ADL	210826	SEWARD, CITY OF	127408
106	ADL	214896	SOLDOTNA, CITY OF	127502
107	ADL	215028	ANCHORAGE, MUN. (AWWU)	167803
108	ADL	215411	COOK INLET AQUACULTURE ASSOCIATION, INC.	156400
109	ADL	400616	NENANA, CITY OF	126781
110	ADL	400793	ARCO ALASKA, INC.	155174
111	ADL	400793	ARCO ALASKA, INC.	155174
112	ADL	401822	ALYESKA PIPELINE SERVICE COMPANY	124668
113	ADL	401827	KOTZEBUE, CITY OF	126367
114	ADL	403254	NORTH POLE, CITY OF	126845
115	ADL	403254	NORTH POLE, CITY OF	126845
116	ADL	403254	NORTH POLE, CITY OF	126845
117	ADL	403885	EAGLE, VILLAGE OF	154079
118	LAS	185	COOK INLET AQUACULTURE ASSOCIATION	156400
119	LAS	198	JUNEAU, CITY & BOROUGH OF	126204
120	LAS	246	ANCHORAGE, MUN. (AWWU)	167803
121	LAS	563	ANCHORAGE SCHOOL DISTRICT	168395
122	LAS	636	ANCHORAGE SCHOOL DISTRICT	168395
123	LAS	803	ANCHORAGE, MUN. (AWWU)	167803
124	LAS	863	DAWN DEVELOPMENT CORPORATION	125408
125	LAS	864	DAWN DEVELOPMENT CORPORATION	125408
126	LAS	865	DAWN DEVELOPMENT CORPORATION	125408
127	LAS	897	HOONAH, CITY OF	126050
128	LAS	907	ANCHORAGE, MUN. (AWWU)	167803
129	LAS	969	MCGRATH, CITY OF	126607
130	LAS	1059	ERU, INC.	162712
131	LAS	1101	ALYESKA UTILITIES, INC.	124675
132	LAS	1141	WASILLA, CITY OF	128025
133	LAS	1145	KODIAK, CITY OF	126356
134	LAS	1174	CHERRIER, KING & CHERRIER	163303
135	LAS	1229	ARCO ALASKA, INC.	106600
136	LAS	1257	KODIAK, CITY OF	126356
137	LAS	1270	TURNER CONSTRUCTION CO.	159325
138	LAS	1312	PRINCE WILLIAM SOUND AQUACULTURE CORP.	127145
139	LAS	1541	WASILLA, CITY OF	128025
140	LAS	1848	EKLUTNA UTILITIES, INC.	125573
141	LAS	1942	JUNEAU, CITY & BOROUGH OF	126204
142	LAS	2102	ORTNER, WALTER P.	167248
143	LAS	2285	CONOCO, INC.	106432
144	LAS	2356	ARCO ALASKA, INC.	106346
145	LAS	2356	ARCO ALASKA, INC.	106346
146	LAS	2356	ARCO ALASKA, INC.	106346
147	LAS	2356	ARCO ALASKA, INC.	106346

OBS	FILE TYPE	FILE NUMBER	FACILITY NAME	CID NUMBER
148	LAS	2356	ARCO ALASKA, INC.	106346
149	LAS	2356	ARCO ALASKA, INC.	106346
150	LAS	2356	ARCO ALASKA, INC.	106346
151	LAS	2493	ANCHORAGE, MUN. (AWWU)	167803
152	LAS	2698	VALDEZ, CITY OF	127957
153	LAS	2699	VALDEZ, CITY OF	127957
154	LAS	2700	VALDEZ, CITY OF	127957
155	LAS	2762	ARCO ALASKA, INC.	155174
156	LAS	2764	ARCO ALASKA, INC.	155174
157	LAS	2767	ARCO ALASKA, INC.	155174
158	LAS	2768	ARCO ALASKA, INC.	155174
159	LAS	2769	ARCO ALASKA, INC.	155174
160	LAS	2805	ARCO ALASKA, INC.	155174
161	LAS	2838	ALASKA POWER AUTHORITY, DCED	124562
162	LAS	2848	ARCO ALASKA, INC.	155174
163	LAS	2851	ARCO ALASKA, INC.	155174
164	LAS	2852	ARCO ALASKA, INC.	155174
165	LAS	2854	ARCO ALASKA, INC.	155174
166	LAS	2855	ARCO ALASKA, INC.	155174
167	LAS	2889	ARCO ALASKA, INC.	155174
168	LAS	3260	ALASKA ZOO	174735
169	LAS	3261	ALASKA ZOO	174735
170	LAS	3311	SAINT PAUL, CITY OF	154092
171	LAS	3348	ARCO ALASKA, INC.	155174
172	LAS	3348	ARCO ALASKA, INC.	155174
173	LAS	3348	ARCO ALASKA, INC.	155174
174	LAS	3348	ARCO ALASKA, INC.	155174
175	LAS	3348	ARCO ALASKA, INC.	155174
176	LAS	3357	PORT LIONS, CITY OF	127129
177	LAS	3485	ANCHORAGE, MUN. (AWWU)	167803
178	LAS	3529	ARCO ALASKA, INC.	155174
179	LAS	3529	ARCO ALASKA, INC.	155174
180	LAS	3861	ARCO ALASKA, INC.	155174
181	LAS	3864	KLUKWAN, CITY OF	126331
182	LAS	5036	USDA/FS, CHUGACH NATIONAL FOREST	151454
183	LAS	6362	ARCO ALASKA, INC.	155174
184	LAS	6550	PETERSBURG, CITY OF	127077
185	LAS	7201	ARCO ALASKA, INC.	155174
186	LAS	11215	SOLDOTNA, CITY OF	127502
187	LAS	11267	ALAKANUK, VILLAGE OF	6343
188	LAS	11320	EEK, CITY OF	7264
189	LAS	11321	FORT YUKON, CITY OF	6292
190	LAS	11322	QUINHAGAK, CITY OF	6293
191	LAS	11323	UNALAKLEET, CITY OF	6295
192	LAS	11324	WALES, CITY OF	6298
193	LAS	11465	THORNE BAY, CITY OF	184125
194	LAS	11862	ANCHORAGE, MUN. (AWWU)	167803
195	LAS	12453	ANCHORAGE, MUN. (AWWU)	167803
196	LAS	1000014	ANNETTE ISLAND PACKING CO.	154154
197	LAS	1000014	METLAKATLA COLD STORAGE	154154
198	LAS	1000014	METLAKATLA, CITY OF	154154

APPENDIX D

Alaska 1986 water-use data listed by SIC code

APPENDIX D

Alaska 1986 water-use data listed by SIC code

SIC CODE=921 WITHDRAWAL TYPE=GROUND WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
1	COOK INLET AQUACULTURE ASSOCIATION, INC.	LAS	185	257	1.4472	371.9191
2	DIV. ADM. CONTR. & FAC. OFC., DFG	ADL	80511	365	1.8604	679.0321
3	DIV. ADM. CONTR. & FAC. OFC., DFG	ADL	206780	365	2.1570	787.3200
USETYPE						1838.2712
SIC CODE=921 WITHDRAWAL TYPE=TRANSFERRED WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
4	COOK INLET AQUACULTURE ASSOCIATION, INC.	ADL	215411	365	3.5342	1290.0002
5	PRINCE WILLIAM SOUND AQUACULTURE CORP.	LAS	1312	365	33.3529	12173.8257
USETYPE						13463.8259
SICCODE						15302.0971
SIC CODE=1311 WITHDRAWAL TYPE=SURFACE WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
6	ARCO ALASKA, INC.	ADL	400793	273	0.0035	0.9623
7	ARCO ALASKA, INC.	ADL	400793	365	0.0999	36.4569
8	ARCO ALASKA, INC.	LAS	1229	365	0.0995	36.3076
9	ARCO ALASKA, INC.	LAS	2356	59	0.0032	0.1869
10	ARCO ALASKA, INC.	LAS	2356	212	0.0508	10.7656
11	ARCO ALASKA, INC.	LAS	2356	61	0.0257	1.5698
12	ARCO ALASKA, INC.	LAS	2356	123	0.0125	1.5364
13	ARCO ALASKA, INC.	LAS	2356	151	0.0222	3.3533
14	ARCO ALASKA, INC.	LAS	2356	212	0.0330	6.9958
15	ARCO ALASKA, INC.	LAS	2356	61	0.0104	0.6321
16	ARCO ALASKA, INC.	LAS	2762	365	0.0333	12.1443
17	ARCO ALASKA, INC.	LAS	2764	90	0.0227	2.0454
18	ARCO ALASKA, INC.	LAS	2767	245	0.0312	7.6381
19	ARCO ALASKA, INC.	LAS	2768	31	0.0007	0.0231
20	ARCO ALASKA, INC.	LAS	2769	89	0.0244	2.1728
21	ARCO ALASKA, INC.	LAS	2805	92	0.0258	2.3726
22	ARCO ALASKA, INC.	LAS	2848	31	0.0212	0.6561
23	ARCO ALASKA, INC.	LAS	2851	31	0.0375	1.1620
24	ARCO ALASKA, INC.	LAS	2852	92	0.0244	2.2487
25	ARCO ALASKA, INC.	LAS	2854	92	0.0373	3.4310
26	ARCO ALASKA, INC.	LAS	2855	60	0.0114	0.6829
27	ARCO ALASKA, INC.	LAS	2889	151	0.0262	3.9567
28	ARCO ALASKA, INC.	LAS	3348	31	0.0003	0.0082
29	ARCO ALASKA, INC.	LAS	3348	31	0.0098	0.3024
30	ARCO ALASKA, INC.	LAS	3348	89	0.0854	7.6025
31	ARCO ALASKA, INC.	LAS	3348	31	0.0217	0.6720

SIC CODE = 1311 WITHDRAWAL TYPE = SURFACE WATER (continued)

32	ARCO ALASKA, INC.	LAS	3348	61	0.0210	1.2789
33	ARCO ALASKA, INC.	LAS	3529	31	0.0571	1.7706
34	ARCO ALASKA, INC.	LAS	3529	31	0.1133	3.5120
35	ARCO ALASKA, INC.	LAS	3861	120	0.0361	4.3374
36	ARCO ALASKA, INC.	LAS	6362	91	0.0690	6.2789
37	ARCO ALASKA, INC.	LAS	7101	30	0.0552	1.6548
38	CONOCO, INC.	LAS	2285	77	0.0036	0.2738
39	STANDARD ALASKA PRODUCTION COMPANY	ADL	66117	365	0.1218	44.4446
40	STANDARD ALASKA PRODUCTION COMPANY	ADL	75979	365	0.0437	15.9680

USETYPE	225.4045
SICCODE	225.4045

SIC CODE = 1629 WITHDRAWAL TYPE = GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
41	ALASKA POWER AUTHORITY, DCED	LAS	2838	106	0.0177	1.8711

SIC CODE = 2091 WITHDRAWAL TYPE = SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
42	TRIDENT SEAFOODS CORP., WILLIAM S. LAGEN	ADL	62233	365	0.1410	51.4690

SIC CODE = 2092 WITHDRAWAL TYPE = GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
43	ANNETTE ISLAND PACKING CO.	LAS	1000014	70	0.3284	22.9887
44	METLAKATLA COLD STORAGE	LAS	1000014	70	0.1309	9.1614

USETYPE	32.1501
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SIC CODE = 2092 WITHDRAWAL TYPE = SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
45	HOMER, CITY OF	ADL	57850	365	0.0375	13.6963

SICCODE	45.8464
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SIC CODE = 2873 WITHDRAWAL TYPE = GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
46	UNION CHEMICALS DIV., UNOCAL CO.	ADL	42514	365	1.1294	412.2489
47	UNION OIL COMPANY DIV., UNOCAL CO.	ADL	78075	365	0.5281	192.7602
48	UNION OIL COMPANY DIV., UNOCAL CO.	ADL	203480	324	0.3169	102.6879

USETYPE	707.6970
SICCODE	707.6970

SIC CODE=2911 WITHDRAWAL TYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
49	TESORO ALASKAN PETROLEUM COMPANY	ADL	42906	274	0.0006	0.1548
50	TESORO ALASKAN PETROLEUM COMPANY	ADL	42906	365	0.3350	122.2757
USETYPE						122.4305
SICCODE						122.4305

SIC CODE=4612 WITHDRAWAL TYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
51	ALYESKA PIPELINE SERVICE COMPANY	ADL	64153	306	0.0047	1.4443
52	ALYESKA PIPELINE SERVICE COMPANY	ADL	401822	365	0.0064	2.3313
USETYPE						3.7756
SICCODE						3.7756

SIC CODE=4912 WITHDRAWAL TYPE=SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
53	ALASKA ELECTRIC LIGHT & POWER COMPANY	ADL	45780	365	4.2476	1550.3561
54	SITKA, CITY & BOROUGH OF	ADL	100007	365	171.0266	62424.7050
55	U.S. DEPARTMENT OF ENERGY, A.P.A.	ADL	44944	365	189.0592	69006.6131
USETYPE						132981.6742
SICCODE						132981.6742

SIC CODE=4941 WITHDRAWAL TYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
56	ALYESKA UTILITIES, INC.	LAS	1101	365	0.0592	21.6230
57	ANCHORAGE, MUN. (AWWU)	ADL	44197	365	0.0642	23.4312
58	ANCHORAGE, MUN. (AWWU)	ADL	44626	365	0.3316	121.0333
59	ANCHORAGE, MUN. (AWWU)	ADL	44626	365	0.3648	133.1462
60	ANCHORAGE, MUN. (AWWU)	ADL	45127	365	0.0201	7.3478
61	ANCHORAGE, MUN. (AWWU)	ADL	45420	365	0.3163	115.4393
62	ANCHORAGE, MUN. (AWWU)	ADL	50906	365	0.2017	73.6110
63	ANCHORAGE, MUN. (AWWU)	ADL	50907	365	0.6053	220.9163
64	ANCHORAGE, MUN. (AWWU)	ADL	50908	184	0.0426	7.8364
65	ANCHORAGE, MUN. (AWWU)	ADL	50909	365	0.0799	29.1588
66	ANCHORAGE, MUN. (AWWU)	ADL	50911	273	0.0583	15.9080
67	ANCHORAGE, MUN. (AWWU)	ADL	50923	365	0.2964	108.1940
68	ANCHORAGE, MUN. (AWWU)	ADL	50924	365	0.1638	59.7717
69	ANCHORAGE, MUN. (AWWU)	ADL	50926	273	0.0473	12.9189
70	ANCHORAGE, MUN. (AWWU)	ADL	50927	365	0.5630	205.4910
71	ANCHORAGE, MUN. (AWWU)	ADL	51573	365	0.1069	39.0167
72	ANCHORAGE, MUN. (AWWU)	ADL	52514	365	0.0096	3.5055
73	ANCHORAGE, MUN. (AWWU)	ADL	54850	365	1.5897	580.2401
74	ANCHORAGE, MUN. (AWWU)	ADL	54850	337	0.8308	279.9708

SIC CODE=4941 WITHDRAWAL TYPE=GROUND WATER (continued)

75	ANCHORAGE, MUN. (AWWU)	ADL	62222	365	0.5541	202.2348
76	ANCHORAGE, MUN. (AWWU)	ADL	63855	365	0.0379	13.8299
77	ANCHORAGE, MUN. (AWWU)	ADL	65644	275	0.1463	40.2303
78	ANCHORAGE, MUN. (AWWU)	ADL	65787	365	0.8448	308.3469
79	ANCHORAGE, MUN. (AWWU)	ADL	67201	334	0.9088	303.5536
80	ANCHORAGE, MUN. (AWWU)	ADL	73658	365	0.1213	44.2895
81	ANCHORAGE, MUN. (AWWU)	ADL	201555	365	0.6340	231.4188
82	ANCHORAGE, MUN. (AWWU)	ADL	201881	306	0.0067	2.0542
83	ANCHORAGE, MUN. (AWWU)	ADL	201920	365	0.0061	2.2345
84	ANCHORAGE, MUN. (AWWU)	ADL	201921	365	0.7075	258.2481
85	ANCHORAGE, MUN. (AWWU)	ADL	202708	0	0.0000	0.0000
86	ANCHORAGE, MUN. (AWWU)	ADL	202733	243	0.1560	37.8988
87	ANCHORAGE, MUN. (AWWU)	ADL	202997	365	0.7972	290.9809
88	ANCHORAGE, MUN. (AWWU)	ADL	203956	365	0.3620	132.1176
89	ANCHORAGE, MUN. (AWWU)	ADL	209828	365	0.0897	32.7580
90	ANCHORAGE, MUN. (AWWU)	LAS	246	334	2.1471	717.1374
91	ANCHORAGE, MUN. (AWWU)	LAS	803	365	0.0470	17.1495
92	ANCHORAGE, MUN. (AWWU)	LAS	907	365	0.1525	55.6479
93	ANCHORAGE, MUN. (AWWU)	LAS	3485	334	0.0228	7.6152
94	ANCHORAGE, MUN. (AWWU)	LAS	11862	183	0.0130	2.3775
95	CHERRIER, KING & CHERRIER	LAS	1174	365	0.0703	25.6635
96	CRAIG, CITY OF	ADL	62346	365	0.2278	83.1550
97	CRESTBROOK WATER ASSOCIATION, INC.	ADL	206632	269	0.0124	3.3294
98	DAWN DEVELOPMENT CORPORATION	LAS	863	365	0.1315	47.9909
99	DAWN DEVELOPMENT CORPORATION	LAS	864	365	0.0004	0.1438
100	DAWN DEVELOPMENT CORPORATION	LAS	865	365	0.0001	0.0394
101	DILLINGHAM, CITY OF	ADL	46054	365	0.0962	35.1053
102	EAGLE, VILLAGE OF	ADL	403885	365	0.0005	0.1883
103	EKLUTNA UTILITIES, INC.	LAS	1848	360	0.1528	55.0148
104	ELIM, CITY OF	ADL	75895	365	0.0129	4.6913
105	ERU, INC.	LAS	1059	273	0.0049	1.3240
106	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	365	3.1680	1156.3200
107	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	30	3.7584	112.7520
108	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	365	2.4480	893.5200
109	FORT YUKON, CITY OF	LAS	11321	365	0.0120	4.3844
110	HAINES, CITY OF	ADL	53556	365	0.0044	1.6100
111	HILLSIDE PARK HOMEOWNER'S ASSOCIATION	ADL	202909	365	0.0124	4.5286
112	HUSLIA, CITY OF	ADL	67133	365	0.0072	2.6295
113	INDIAN COVE WATER COMPANY	ADL	43117	207	0.0011	0.2277
114	JUNEAU, CITY & BOROUGH OF	ADL	100066	365	2.1515	785.2880
115	JUNEAU, CITY & BOROUGH OF	LAS	198	324	0.0164	5.3052
116	JUNEAU, CITY & BOROUGH OF	LAS	1942	365	0.6174	225.3649
117	KENAI, CITY OF	ADL	53282	365	0.3577	130.5561
118	KENAI, CITY OF	ADL	53282	365	0.5238	191.1947
119	KLUKWAN, CITY OF	LAS	3864	160	0.0309	4.9485
120	METLAKATLA, CITY OF	LAS	1000014	284	0.7058	200.4549
121	NENANA, CITY OF	ADL	400616	365	0.0342	12.4717
122	NOME, CITY OF	ADL	42993	365	0.4614	168.4205
123	NORFOLK UTILITIES, INC.	ADL	209576	366	0.1999	73.1634
124	NORTH POLE, CITY OF	ADL	403254	365	0.0846	30.8761
125	NORTH POLE, CITY OF	ADL	403254	59	0.0037	0.2209
126	NORTH POLE, CITY OF	ADL	403254	0	0.0000	0.0000

SIC CODE=4941 WITHDRAWAL TYPE=GROUND WATER (continued)

127	NORTH WOODS, INC.	ADL	74176	355	0.0324	11.5020
128	PALMER, CITY OF	ADL	201324	365	0.6126	223.5994
129	SAINT PAUL, CITY OF	LAS	3311	334	0.0057	1.9188
130	SETTLERS BAY PROPERTIES, INC.	ADL	74699	365	0.0022	0.8147
131	SETTLERS BAY PROPERTIES, INC.	ADL	74700	341	0.0047	1.6075
132	SEWARD, CITY OF	ADL	39936	365	0.2244	81.8881
133	SEWARD, CITY OF	ADL	39936	334	0.2615	87.3460
134	SEWARD, CITY OF	ADL	39936	62	0.4786	29.6750
135	SEWARD, CITY OF	ADL	39936	335	0.3389	113.5285
136	SHAGELUK, CITY OF	ADL	75856	59	0.0001	0.0059
137	SOLDOTNA, CITY OF	ADL	40315	365	0.3097	113.0270
138	SOLDOTNA, CITY OF	ADL	52342	153	0.0148	2.2694
139	SOLDOTNA, CITY OF	ADL	206983	365	0.2441	89.1078
140	SOLDOTNA, CITY OF	LAS	11215	92	0.0006	0.0525
141	TURNER CONSTRUCTION CO.	LAS	1270	214	0.0390	8.3445
142	VALDEZ, CITY OF	ADL	46360	210	0.3326	69.8391
143	VALDEZ, CITY OF	ADL	46360	365	0.3716	135.6435
144	VALDEZ, CITY OF	ADL	46360	365	0.5856	213.7539
145	VALDEZ, CITY OF	ADL	209799	311	0.6786	211.0490
146	VALDEZ, CITY OF	LAS	2698	363	0.0949	34.4469
147	VALDEZ, CITY OF	LAS	2699	365	0.0228	8.3282
148	VALDEZ, CITY OF	LAS	2700	270	0.3159	85.2892
149	VALLI VUE ESTATES SUBDIVISION	ADL	200239	365	0.0578	21.1021
150	WASILLA, CITY OF	ADL	209104	365	0.2169	79.1623
151	WASILLA, CITY OF	LAS	1141	365	0.0090	3.2719
152	WASILLA, CITY OF	LAS	1541	365	0.0006	0.2336
153	YAKUTAT, CITY OF	ADL	43340	365	0.1066	38.9090
154	YAKUTAT, CITY OF	ADL	43340	183	0.0221	4.0395

USETYPE

10689.3215

SIC CODE=4941 WITHDRAWAL TYPE=SURFACE WATER

OBS	PAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
155	ALAKANUK, VILLAGE OF	LAS	11267	365	0.0063	2.3075
156	ANCHORAGE, MUN. (AWWU)	ADL	54851	365	12.4062	4528.2747
157	ANCHORAGE, MUN. (AWWU)	ADL	215028	306	0.0080	2.4449
158	EEK, CITY OF	LAS	11320	184	0.0024	0.4355
159	GRAYLING, CITY OF	ADL	75908	365	0.0136	4.9593
160	GRAYLING, CITY OF	ADL	75908	365	0.0061	2.2338
161	HAINES, CITY OF	ADL	52025	365	0.0175	6.3758
162	HOMER, CITY OF	ADL	57850	365	0.2984	108.9007
163	HOONAH, CITY OF	LAS	897	365	0.3145	114.7899
164	KASAAN, CITY OF	ADL	100411	327	0.0068	2.2236
165	KETCHIKAN, CITY OF	ADL	48794	365	3.7313	1361.9110
166	KETCHIKAN, CITY OF	ADL	48795	365	1.2592	459.6000
167	KING COVE, CITY OF	ADL	42595	365	0.2996	109.3390
168	KODIAK, CITY OF	ADL	39797	242	0.4651	112.5498
169	KODIAK, CITY OF	LAS	1145	365	2.0733	756.7366
170	KODIAK, CITY OF	LAS	1257	365	0.9347	341.1713
171	KOTZEBUE, CITY OF	ADL	401827	365	0.2745	100.2075

SIC CODE = 4941 WITHDRAWAL TYPE = SURFACE WATER (continued)

172	McGRATH, CITY OF	LAS	969	365	0.0263	9.5922
173	NOORVIK, CITY OF	ADL	75902	365	0.0060	2.1750
174	PETERSBURG, CITY OF	LAS	6550	365	0.9396	342.9420
175	PORT LIONS, CITY OF	LAS	3357	365	0.0719	26.2523
176	QUINHAGAK, CITY OF	LAS	11322	365	0.0039	1.4396
177	SAINT MICHAEL, CITY OF	ADL	76070	289	0.0244	7.0516
178	SAND POINT, CITY OF	ADL	201803	365	0.1955	71.3677
179	SAXMAN, CITY OF	ADL	44121	365	0.0435	15.8720
180	SCAMMON BAY, CITY OF	ADL	46364	365	0.0455	16.6075
181	SEWARD, CITY OF	ADL	210826	335	0.3729	124.9292
182	SHISHMAREF, CITY OF	ADL	75901	242	0.1411	34.1457
183	SHISHMAREF, CITY OF	ADL	75901	365	0.0032	1.1757
184	SHISHMAREF, CITY OF	ADL	75901	184	0.0017	0.3132
185	SOUTHPARK TERRACE HOMEOWNERS ASSOCIATION	ADL	209628	365	0.0230	8.3848
186	TATTLEK, VILLAGE OF	ADL	76071	365	0.0151	5.5115
187	THORNE BAY, CITY OF	LAS	11465	303	0.0044	1.3359
188	UNALAKLEET, CITY OF	LAS	11323	365	0.0596	21.7401
189	WALES, CITY OF	LAS	11324	365	0.0009	0.3457

USETYPE	8705.6426
SICCODE	19394.9641

SIC CODE = 4952 WITHDRAWAL TYPE = SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
190	ANCHORAGE, MUN. (AWWU)	LAS	2493	365	25.4060	9273.1900
191	ANCHORAGE, MUN. (AWWU)	LAS	12453	365	0.8521	311.0001

USETYPE	9584.1901
SICCODE	9584.1901

SIC CODE = 7542 WITHDRAWAL TYPE = GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
192	ORTNER, WALTER P.	LAS	2102	365	0.0023	0.8486

SIC CODE = 7999 WITHDRAWAL TYPE = GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
193	SOLDOTNA, CITY OF	ADL	214896	334	0.0077	2.5812
194	USDA/FS, CHUGACH NATIONAL FOREST	LAS	5036	356	0.0019	0.6803

USETYPE	3.2615
SICCODE	3.2615

SIC CODE=8211 WITHDRAWAL TYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
195	ANCHORAGE SCHOOL DISTRICT	LAS	563	347	0.0015	0.5309
196	ANCHORAGE SCHOOL DISTRICT	LAS	636	331	0.0012	0.4104
USETYPE						0.9414
SICCODE						0.9414

SIC CODE=8422 WITHDRAWAL TYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
197	ALASKA ZOO	LAS	3260	77	0.0022	0.1709
198	ALASKA ZOO	LAS	3261	78	0.0031	0.2401
USETYPE						0.4110
SICCODE						0.4110
						=====
						178426.8821

APPENDIX E

Alaska 1986 water-use data listed by hydrologic unit

APPENDIX E

Alaska 1986 water-use data listed by hydrologic unit

HYDROLOGIC UNIT=11 USETYPE=GROUND WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
1	ALYESKA PIPELINE SERVICE COMPANY	ADL	64153	306	0.0047	1.4443
HYDROLOGIC UNIT=11 USETYPE=SURFACE WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
2	ARCO ALASKA, INC.	ADL	400793	273	0.0035	0.9623
3	ARCO ALASKA, INC.	ADL	400793	365	0.0999	36.4569
4	ARCO ALASKA, INC.	LAS	1229	365	0.0995	36.3076
5	ARCO ALASKA, INC.	LAS	2356	59	0.0032	0.1869
6	ARCO ALASKA, INC.	LAS	2356	212	0.0508	10.7656
7	ARCO ALASKA, INC.	LAS	2356	61	0.0257	1.5698
8	ARCO ALASKA, INC.	LAS	2356	123	0.0125	1.5364
9	ARCO ALASKA, INC.	LAS	2356	151	0.0222	3.3533
10	ARCO ALASKA, INC.	LAS	2356	212	0.0330	6.9958
11	ARCO ALASKA, INC.	LAS	2356	61	0.0104	0.6321
12	ARCO ALASKA, INC.	LAS	2762	365	0.0333	12.1443
13	ARCO ALASKA, INC.	LAS	2764	90	0.0227	2.0454
14	ARCO ALASKA, INC.	LAS	2767	245	0.0312	7.6381
15	ARCO ALASKA, INC.	LAS	2768	31	0.0007	0.0231
16	ARCO ALASKA, INC.	LAS	2769	89	0.0244	2.1728
17	ARCO ALASKA, INC.	LAS	2805	92	0.0258	2.3726
18	ARCO ALASKA, INC.	LAS	2848	31	0.0212	0.6561
19	ARCO ALASKA, INC.	LAS	2851	31	0.0375	1.1620
20	ARCO ALASKA, INC.	LAS	2852	92	0.0244	2.2487
21	ARCO ALASKA, INC.	LAS	2854	92	0.0373	3.4310
22	ARCO ALASKA, INC.	LAS	2855	60	0.0114	0.6829
23	ARCO ALASKA, INC.	LAS	2889	151	0.0262	3.9567
24	ARCO ALASKA, INC.	LAS	3348	31	0.0003	0.0082
25	ARCO ALASKA, INC.	LAS	3348	31	0.0098	0.3024
26	ARCO ALASKA, INC.	LAS	3348	89	0.0854	7.6025
27	ARCO ALASKA, INC.	LAS	3348	31	0.0217	0.6720
28	ARCO ALASKA, INC.	LAS	3348	61	0.0210	1.2789
29	ARCO ALASKA, INC.	LAS	3529	31	0.0571	1.7706
30	ARCO ALASKA, INC.	LAS	3529	31	0.1133	3.5120
31	ARCO ALASKA, INC.	LAS	3861	120	0.0361	4.3374
32	ARCO ALASKA, INC.	LAS	6362	91	0.0690	6.2789
33	ARCO ALASKA, INC.	LAS	7101	30	0.0552	1.6548
34	CONOCO, INC.	LAS	2285	77	0.0036	0.2738
35	STANDARD ALASKA PRODUCTION COMPANY	ADL	66117	365	0.1218	44.4446
36	STANDARD ALASKA PRODUCTION COMPANY	ADL	75979	365	0.0437	15.9680
USETYPE						225.4045
HYD						226.8488

HYDROLOGIC UNIT = 13		USETYPE = SURFACE WATER				
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
37	NOORVIK, CITY OF	ADL	75902	365	0.0060	2.1750

HYDROLOGIC UNIT = 21		USETYPE = SURFACE WATER				
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
38	KOTZEBUE, CITY OF	ADL	401827	365	0.2745	100.2075
39	SHISHMAREF, CITY OF	ADL	75901	242	0.1411	34.1457
40	SHISHMAREF, CITY OF	ADL	75901	365	0.0032	1.1757
41	SHISHMAREF, CITY OF	ADL	75901	184	0.0017	0.3132
USETYPE						135.8421
HYD						135.8421

HYDROLOGIC UNIT = 22		USETYPE = GROUND WATER				
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
42	ELIM, CITY OF	ADL	75895	365	0.0129	4.6913
43	NOME, CITY OF	ADL	42993	365	0.4614	168.4205
USETYPE						173.1118

HYDROLOGIC UNIT = 22		USETYPE = SURFACE WATER				
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
44	UNALAKLEET, CITY OF	LAS	11323	365	0.0596	21.7401
45	WALES, CITY OF	LAS	11324	365	0.0009	0.3457
USETYPE						22.0858
HYD						195.1976

HYDROLOGIC UNIT = 32		USETYPE = GROUND WATER				
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
46	EAGLE, VILLAGE OF	ADL	403885	365	0.0005	0.1883
47	PORT YUKON, CITY OF	LAS	11321	365	0.0120	4.3844
USETYPE						4.5727
HYD						4.5727

HYDROLOGIC UNIT = 34 USETYPE = GROUND WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
48	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	365	3.1680	1156.3200
49	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	30	3.7584	112.7520
50	FAIRBANKS MUNICIPAL UTILITY SYSTEM	ADL	53813	365	2.4480	893.5200
51	NENANA, CITY OF	ADL	400616	365	0.0342	12.4717
52	NORTH POLE, CITY OF	ADL	403254	365	0.0846	30.8761
53	NORTH POLE, CITY OF	ADL	403254	59	0.0037	0.2209
54	NORTH POLE, CITY OF	ADL	403254	0	0.0000	0.0000
USETYPE						2206.1607
HYD						2206.1607

HYDROLOGIC UNIT = 35 USETYPE = GROUND WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
55	ALYESKA PIPELINE SERVICE COMPANY	ADL	401822	365	0.0064	2.3313
56	HUSLIA, CITY OF	ADL	67133	365	0.0072	2.6295
USETYPE						4.9607
HYD						4.9607

HYDROLOGIC UNIT = 36 USETYPE = GROUND WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
57	SHAGELUK, CITY OF	ADL	75856	59	0.0001	0.0059

HYDROLOGIC UNIT = 36 USETYPE = SURFACE WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
58	ALAKANUK, VILLAGE OF	LAS	11267	365	0.0063	2.3075
59	GRAYLING, CITY OF	ADL	75908	365	0.0136	4.9593
60	GRAYLING, CITY OF	ADL	75908	365	0.0061	2.2338
61	SCAMMON BAY, CITY OF	ADL	46364	365	0.0455	16.6075
USETYPE						26.1081
HYD						26.1140

HYDROLOGIC UNIT = 41 USETYPE = SURFACE WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
62	EEK, CITY OF	LAS	11320	184	0.0024	0.4355
63	McGRATH, CITY OF	LAS	969	365	0.0263	9.5922
64	QUINHAGAK, CITY OF	LAS	11322	365	0.0039	1.4396
USETYPE						11.4673
HYD						11.4673

HYDROLOGIC UNIT=42 USETYPE=GROUND WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
65	DILLINGHAM, CITY OF	ADL	46054	365	0.0962	35.1053
HYDROLOGIC UNIT=43 USETYPE=SURFACE WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
66	KING COVE, CITY OF	ADL	42595	365	0.2996	109.3390
67	SAND POINT, CITY OF	ADL	201803	365	0.1955	71.3677
68	TRIDENT SEAFOODS CORP., WILLIAM S. LAGEN	ADL	62233	365	0.1410	51.4690
USETYPE						232.1757
HYD						232.1757
HYDROLOGIC UNIT=44 USETYPE=GROUND WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
69	SAINT PAUL, CITY OF	LAS	3311	334	0.0057	1.9188
HYDROLOGIC UNIT=44 USETYPE=SURFACE WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
70	SAINT MICHAEL, CITY OF	ADL	76070	289	0.0244	7.0516
HYD						8.9704
HYDROLOGIC UNIT=51 USETYPE=SURFACE WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
71	KODIAK, CITY OF	ADL	39797	242	0.4651	112.5498
72	KODIAK, CITY OF	LAS	1145	365	2.0733	756.7366
73	KODIAK, CITY OF	LAS	1257	365	0.9347	341.1713
74	PORT LIONS, CITY OF	LAS	3357	365	0.0719	26.2523
USETYPE						1236.7100
HYD						1236.7100
HYDROLOGIC UNIT=52 USETYPE=GROUND WATER						
OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
75	SETTLERS BAY PROPERTIES, INC.	ADL	74699	365	0.0022	0.8147
76	SETTLERS BAY PROPERTIES, INC.	ADL	74700	341	0.0047	1.6075
77	WASILLA, CITY OF	ADL	209104	365	0.2169	79.1623
78	WASILLA, CITY OF	LAS	1141	365	0.0090	3.2719
79	WASILLA, CITY OF	LAS	1541	365	0.0006	0.2336
USETYPE						85.0900
HYD						85.0900

HYDROLOGIC UNIT=53 USETYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
80	ALASKA POWER AUTHORITY, DCED	LAS	2838	106	0.0177	1.8711
81	ALASKA ZOO	LAS	3260	77	0.0022	0.1709
82	ALASKA ZOO	LAS	3261	78	0.0031	0.2401
83	ALYESKA UTILITIES, INC.	LAS	1101	365	0.0592	21.6230
84	ANCHORAGE SCHOOL DISTRICT	LAS	563	347	0.0015	0.5309
85	ANCHORAGE SCHOOL DISTRICT	LAS	636	331	0.0012	0.4104
86	ANCHORAGE, MUN. (AWWU)	ADL	44197	365	0.0642	23.4312
87	ANCHORAGE, MUN. (AWWU)	ADL	44626	365	0.3316	121.0333
88	ANCHORAGE, MUN. (AWWU)	ADL	44626	365	0.3648	133.1462
89	ANCHORAGE, MUN. (AWWU)	ADL	45127	365	0.0201	7.3478
90	ANCHORAGE, MUN. (AWWU)	ADL	45420	365	0.3163	115.4393
91	ANCHORAGE, MUN. (AWWU)	ADL	50906	365	0.2017	73.6110
92	ANCHORAGE, MUN. (AWWU)	ADL	50907	365	0.6053	220.9163
93	ANCHORAGE, MUN. (AWWU)	ADL	50908	184	0.0426	7.8364
94	ANCHORAGE, MUN. (AWWU)	ADL	50909	365	0.0799	29.1588
95	ANCHORAGE, MUN. (AWWU)	ADL	50911	273	0.0583	15.9080
96	ANCHORAGE, MUN. (AWWU)	ADL	50923	365	0.2964	108.1940
97	ANCHORAGE, MUN. (AWWU)	ADL	50924	365	0.1638	59.7717
98	ANCHORAGE, MUN. (AWWU)	ADL	50926	273	0.0473	12.9189
99	ANCHORAGE, MUN. (AWWU)	ADL	50927	365	0.5630	205.4910
100	ANCHORAGE, MUN. (AWWU)	ADL	51573	365	0.1069	39.0167
101	ANCHORAGE, MUN. (AWWU)	ADL	52514	365	0.0096	3.5055
102	ANCHORAGE, MUN. (AWWU)	ADL	54850	365	1.5897	580.2401
103	ANCHORAGE, MUN. (AWWU)	ADL	54850	337	0.8308	279.9708
104	ANCHORAGE, MUN. (AWWU)	ADL	62222	365	0.5541	202.2348
105	ANCHORAGE, MUN. (AWWU)	ADL	63855	365	0.0379	13.8299
106	ANCHORAGE, MUN. (AWWU)	ADL	65644	275	0.1463	40.2303
107	ANCHORAGE, MUN. (AWWU)	ADL	65787	365	0.8448	308.3469
108	ANCHORAGE, MUN. (AWWU)	ADL	67201	334	0.9088	303.5536
109	ANCHORAGE, MUN. (AWWU)	ADL	73658	365	0.1213	44.2895
110	ANCHORAGE, MUN. (AWWU)	ADL	201555	365	0.6340	231.4188
111	ANCHORAGE, MUN. (AWWU)	ADL	201881	306	0.0067	2.0542
112	ANCHORAGE, MUN. (AWWU)	ADL	201920	365	0.0061	2.2345
113	ANCHORAGE, MUN. (AWWU)	ADL	201921	365	0.7075	258.2481
114	ANCHORAGE, MUN. (AWWU)	ADL	202708	0	0.0000	0.0000
115	ANCHORAGE, MUN. (AWWU)	ADL	202733	243	0.1560	37.8988
116	ANCHORAGE, MUN. (AWWU)	ADL	202997	365	0.7972	290.9809
117	ANCHORAGE, MUN. (AWWU)	ADL	203956	365	0.3620	132.1176
118	ANCHORAGE, MUN. (AWWU)	ADL	209828	365	0.0897	32.7580
119	ANCHORAGE, MUN. (AWWU)	LAS	246	334	2.1471	717.1374
120	ANCHORAGE, MUN. (AWWU)	LAS	803	365	0.0470	17.1495
121	ANCHORAGE, MUN. (AWWU)	LAS	907	365	0.1525	55.6479
122	ANCHORAGE, MUN. (AWWU)	LAS	3485	334	0.0228	7.6152
123	ANCHORAGE, MUN. (AWWU)	LAS	11862	183	0.0130	2.3775
124	CHERRIER, KING & CHERRIER	LAS	1174	365	0.0703	25.6635
125	COOK INLET AQUACULTURE ASSOCIATION	LAS	185	257	1.4472	371.9191
126	CRESTBROOK WATER ASSOCIATION, INC.	ADL	206632	269	0.0124	3.3294
127	DAWN DEVELOPMENT CORPORATION	LAS	863	365	0.1315	47.9909
128	DAWN DEVELOPMENT CORPORATION	LAS	864	365	0.0004	0.1438
129	DAWN DEVELOPMENT CORPORATION	LAS	865	365	0.0001	0.0394

HYDROLOGIC UNIT = 53 USETYPE = GROUND WATER (continued)

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
130	DIV. ADM. CONTR. & FAC. OFC., DFG	ADL	80511	365	1.8604	679.0321
131	DIV. ADM. CONTR. & FAC. OFC., DFG	ADL	206780	365	2.1570	787.3200
132	EKLUTNA UTILITIES, INC.	LAS	1848	360	0.1528	55.0148
133	ERU, INC.	LAS	1059	273	0.0049	1.3240
134	HILLSIDE PARK HOMEOWNER'S ASSOCIATION	ADL	202909	365	0.0124	4.5286
135	KENAI, CITY OF	ADL	53282	365	0.3577	130.5561
136	KENAI, CITY OF	ADL	53282	365	0.5238	191.1947
137	NORFOLK UTILITIES, INC.	ADL	209576	366	0.1999	73.1634
138	NORTH WOODS, INC.	ADL	74176	355	0.0324	11.5020
139	ORTNER, WALTER P.	LAS	2102	365	0.0023	0.8486
140	PALMER, CITY OF	ADL	201324	365	0.6126	223.5994
141	SOLDOTNA, CITY OF	ADL	40315	365	0.3097	113.0270
142	SOLDOTNA, CITY OF	ADL	52342	153	0.0148	2.2694
143	SOLDOTNA, CITY OF	ADL	206983	365	0.2441	89.1078
144	SOLDOTNA, CITY OF	ADL	214896	334	0.0077	2.5812
145	SOLDOTNA, CITY OF	LAS	11215	92	0.0006	0.0525
146	TESORO ALASKAN PETROLEUM COMPANY	ADL	42906	274	0.0006	0.1548
147	TESORO ALASKAN PETROLEUM COMPANY	ADL	42906	365	0.3350	122.2757
148	TURNER CONSTRUCTION CO.	LAS	1270	214	0.0390	8.3445
149	UNION CHEMICALS DIV., UNOCAL CO.	ADL	42514	365	1.1294	412.2489
150	UNION OIL COMPANY DIV., UNOCAL CO.	ADL	78075	365	0.5281	192.7602
151	UNION OIL COMPANY DIV., UNOCAL CO.	ADL	203480	324	0.3169	102.6879
152	USDA/FS, CHUGACH NATIONAL FOREST	LAS	5036	356	0.0019	0.6803
153	VALLI VUE ESTATES SUBDIVISION	ADL	200239	365	0.0578	21.1021
USETYPE						8436.3689

HYDROLOGIC UNIT = 53 USETYPE = SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
154	ANCHORAGE, MUN. (AWWU)	ADL	54851	365	12.4062	4528.2747
155	ANCHORAGE, MUN. (AWWU)	ADL	215028	306	0.0080	2.4449
156	ANCHORAGE, MUN. (AWWU)	LAS	2493	365	25.4060	9273.1900
157	ANCHORAGE, MUN. (AWWU)	LAS	12453	365	0.8521	311.0001
158	HOMER, CITY OF	ADL	57850	365	0.2984	108.9007
159	HOMER, CITY OF	ADL	57850	365	0.0375	13.6963
160	SOUTHPARK TERRACE HOMEOWNERS ASSOCIATION	ADL	209628	365	0.0230	8.3848
161	U.S. DEPARTMENT OF ENERGY, A.P.A.	ADL	44944	365	189.0592	69006.6131
USETYPE						83252.5046

HYDROLOGIC UNIT = 53 USETYPE = TRANSFERRED WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
162	COOK INLET AQUACULTURE ASSOCIATION, INC.	ADL	215411	365	3.5342	1290.0002
HYD						92978.8737

HYDROLOGIC UNIT=54 USETYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
163	SEWARD, CITY OF	ADL	39936	365	0.2244	81.8881
164	SEWARD, CITY OF	ADL	39936	334	0.2615	87.3460
165	SEWARD, CITY OF	ADL	39936	62	0.4786	29.6750
166	SEWARD, CITY OF	ADL	39936	335	0.3389	113.5285
167	VALDEZ, CITY OF	ADL	46360	210	0.3326	69.8391
168	VALDEZ, CITY OF	ADL	46360	365	0.3716	135.6435
169	VALDEZ, CITY OF	ADL	46360	365	0.5856	213.7539
170	VALDEZ, CITY OF	ADL	209799	311	0.6786	211.0490
171	VALDEZ, CITY OF	LAS	2698	363	0.0949	34.4469
172	VALDEZ, CITY OF	LAS	2699	365	0.0228	8.3282
173	VALDEZ, CITY OF	LAS	2700	270	0.3159	85.2892
USETYPE						1070.7874

HYDROLOGIC UNIT=54 USETYPE=SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
174	SEWARD, CITY OF	ADL	210826	335	0.3729	124.9292
175	TATTILEK, VILLAGE OF	ADL	76071	365	0.0151	5.5115
USETYPE						130.4407

HYDROLOGIC UNIT=54 USETYPE=TRANSFERRED WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
176	PRINCE WILLIAM SOUND AQUACULTURE CORP.	LAS	1312	365	33.3529	12173.8257
HYD						13375.0538

HYDROLOGIC UNIT=61 USETYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
177	YAKUTAT, CITY OF	ADL	43340	365	0.1066	38.9090
178	YAKUTAT, CITY OF	ADL	43340	183	0.0221	4.0395
USETYPE						42.9485
HYD						42.9485

HYDROLOGIC UNIT=62 USETYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
179	HAINES, CITY OF	ADL	53556	365	0.0044	1.6100
180	INDIAN COVE WATER COMPANY	ADL	43117	207	0.0011	0.2277
181	JUNEAU, CITY & BOROUGH OF	ADL	100066	365	2.1515	785.2880
182	JUNEAU, CITY & BOROUGH OF	LAS	198	324	0.0164	5.3052

HYDROLOGIC UNIT=62 USETYPE=GROUND WATER (Continued)

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
183	JUNEAU, CITY & BOROUGH OF	LAS	1942	365	0.6174	225.3649
184	KLUKWAN, CITY OF	LAS	3864	160	0.0309	4.9485
USETYPE						1022.7443

HYDROLOGIC UNIT=62 USETYPE=SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
185	ALASKA ELECTRIC LIGHT & POWER COMPANY	ADL	45780	365	4.2476	1550.3561
186	HAINES, CITY OF	ADL	52025	365	0.0175	6.3758
USETYPE						1556.7319
HYD						2579.4762

HYDROLOGIC UNIT=63 USETYPE=SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
187	PETERSBURG, CITY OF	LAS	6550	365	0.9396	342.9420

HYDROLOGIC UNIT=64 USETYPE=GROUND WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
188	ANNETTE ISLAND PACKING CO.	LAS	1000014	70	0.3284	22.9887
189	METLAKATLA COLD STORAGE	LAS	1000014	70	0.1309	9.1614
190	METLAKATLA, CITY OF	LAS	1000014	284	0.7058	200.4549
USETYPE						232.6050

HYDROLOGIC UNIT=64 USETYPE=SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
191	KETCHIKAN, CITY OF	ADL	48794	365	3.7313	1361.9110
192	KETCHIKAN, CITY OF	ADL	48795	365	1.2592	459.6000
193	SAXMAN, CITY OF	ADL	44121	365	0.0435	15.8720
USETYPE						1837.3830
HYD						2069.9880

HYDROLOGIC UNIT=66 USETYPE=SURFACE WATER

OBS	FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
194	HOONAH, CITY OF	LAS	897	365	0.3145	114.7899
195	SITKA, CITY & BOROUGH OF	ADL	100007	365	171.0266	62424.7050
USETYPE						62539.4949
HYD						62539.4949

OBS		FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
HYDROLOGIC UNIT = 67 USETYPE = GROUND WATER							
196		CRAIG, CITY OF	ADL	62346	365	0.2278	83.1550
HYDROLOGIC UNIT = 67 USETYPE = SURFACE WATER							
OBS		FAC NAME	TYPE	NUMBER	DAYS	DAILYAVG	MG/YEAR
197		KASAAN, CITY OF	ADL	100411	327	0.0068	2.2236
198		THORNE BAY, CITY OF	LAS	11465	303	0.0044	1.3359
USETYPE							3.5595
HYD							86.7145
							=====
							178426.8819 ²

²Note: Grand total of appendix E differs from table 2 and appendix D due to computer analysis to 6-place accuracy.

APPENDIX F

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

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 title 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
 - 0180 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
 - 0729 Crop Services
 - 0722 Crop Harvesting
 - 0729 General Crop Services
 - 0740 Veterinary Services
 - 0741 Veterinary Svcs. Farm Livestock
 - 0752 Animal Specialty Services
 - 0780 Landscape & Horticultural Svcs.
 - 0781 Landscape Counseling & Planning
 - 0782 Lawn & Garden Services
- 0800 Forestry
 - 0820 Forest Nurseries
 - 0850 Forest Services
- 0900 Fishing, Hunting, & Trapping
 - 0910 Fish Buyer
 - 0911 Commercial Fishing
 - 0912 Finfish
 - 0913 Shellfish
 - 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
 - 1099 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
 - 1389 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
 - 1490 Misc. Nonmetallic Minerals
 - 1499 Nonmetallic Minerals, nec.

DIVISION C. CONSTRUCTION

- 1500 General Building Contractors
 - 1520 Residential Bldg. Construction
 - 1523 Residential Construction, nec.
 - 1530 Operative Builders
 - 1540 Nonresidential Bldg. Construction
 - 1542 Nonresidential Construction, nec.
- 1800 Heavy Construction Contractors
 - 1810 Highway & Street Construction
 - 1820 Heavy Construction, Except Highway
 - 1822 Bridge, Tunnel, & Elevated Highway
 - 1823 Water, Sewer, & Utility Lines
 - 1829 Heavy Construction, nec.

1700 Special Trade Contractors

- 1710 Plumbing, Heating, Air Conditioning
- 1720 Painting, Paper Hanging, Decorating
- 1730 Electrical Work
- 1740 Masonry, Stonework, & Plastering
- 1750 Carpentering & Flooring
- 1751 Carpentering
- 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.

DIVISION D. MANUFACTURING

- 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 Mail Beverages
 - 2084 Wines, Brandy & Spirits
 - 2085 Distilled Liquor, Except Brandy
 - 2086 Bottled and Canned Soft Drinks
 - 2087 Flavoring 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 & Thread Mills
 - 2290 Misc. Textile Goods
 - 2299 Textile Goods, nec.
- 2300 Apparel & Other Textile Products
 - 2380 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
 - 2499 Wood Products, nec.
- 2500 Furniture & Fixtures
 - 2510 Household Furniture
 - 2520 Office Furniture
 - 2540 Partitions & Fixtures
 - 2590 Misc. Furniture & Fixtures
 - 2599 Furniture & Fixtures, nec.
- 2600 Paper & Allied Products
 - 2610 Pulp Mills
 - 2620 Paper Mills, Except Bldg. 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
 - 2760 Manifold Business Forms
 - 2790 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 Cui Stock & Findings
 - 3140 Footwear, Except Rubber
 - 3150 Leather Gloves & Mittens
 - 3170 Handbags & Personal Leather Goods
 - 3199 Leather Goods, nec.
- 3200 Stone, Clay, and Glass Products
 - 3280 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
 - 3790 Misc. Transportation Equipment
 - 3792 Travel Trailers & Campers
- 3800 Instruments and Related Products
- 3900 Miscellaneous Manufacturing Industries
 - 3910 Jewelry, Silverware, & Plated Ware
 - 3911 Jewelry, Precious Metal
 - 3915 Jewelers' Materials & Lapidary Work
 - 3930 Musical Instruments
 - 3940 Toys & Sporting Goods
 - 3960 Costume Jewelry & Notions
 - 3990 Misc. Manufactures

DIVISION E. TRANSPORTATION & PUBLIC UTILITIES

- 4000 Railroad Transportation
- 4100 Local & Interurban Passenger Transit
 - 4110 Local & Suburban Transportation
 - 4120 Taxicabs
 - 4130 Intercity Highway Transportation
 - 4140 Transportation Charter Service
 - 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
 - 4458 Local Water Transportation, nec.
 - 4480 Water Transportation Services
 - 4463 Marine Cargo Handling
 - 4469 Water Transportation Svcs., nec.
- 4500 Air Transportation
 - 4510 Certificated Air Transportation
 - 4520 Noncertificated Air Transportation
 - 4580 Air Transportation Services
 - 4582 Airports & Flying Fields
 - 4583 Airport Terminal Services
- 4800 Pipelines, Except Natural Gas
 - 4810 Pipelines, Except Natural Gas
 - 4812 Crude Petroleum Pipelines
 - 4813 Refined Petroleum Pipelines
 - 4819 Pipelines, nec.

4700 Transportation Services
 4712 Freight Forwarding
 4720 Transportation Arrangement
 4780 Misc. Transportation Services
 4800 Communication
 4810 Telephone Communication
 4820 Telegraph Communication
 4832 Radio Broadcasting
 4833 TV Broadcasting
 4899 Communication Service, nec.

4900 Electric, Gas & Sanitary Services
 4911 Electric Services
 4920 Gas Production & Distribution
 4930 Combination Utility Services
 4940 Water Supply
 4950 Sanitary Services
 4952 Sewerage Systems
 4953 Refuse Systems

DIVISION F. WHOLESALE TRADE

5000 Wholesale Trade Durable Goods
 5010 Motor Vehicles & Auto Equipment
 5013 Automotive Parts & Supplies
 5014 Tires & Tubes
 5020 Furniture & Home furnishings
 5030 Lumber & Construction Materials
 5040 Sporting Goods, Toys & Hobby Goods
 5060 Electrical Goods
 5070 Hardware, Plumbing & Heating Equip.
 5080 Machinery, Equipment, & Supplies
 5090 Misc. Durable Goods
 5094 Jewelry, Watches, & Precious Stones
 5099 Durable Goods, nec.

5100 Wholesale Trade-Nondurable Goods
 5110 Paper & Paper Products
 5122 Drugs, Proprietarys, & Sundries
 5130 Apparel, Piece Goods, & Notions
 5140 Groceries & Related Products
 5150 Farm-Products Raw Materials
 5160 Chemicals & Allied Products
 5170 Petroleum & Petroleum Products
 5180 Beer, Wine, & Distilled Beverages
 5190 Misc. Nondurable Goods

DIVISION G. RETAIL TRADE

5200 Building Materials & Garden Supplies
 5210 Lumber & Other Building Materials
 5230 Paint, Glass, & Wallpaper Stores
 5250 Hardware Stores
 5260 Retail Nurseries & Garden Stores
 5270 Mobile Home Dealers
 5300 General Merchandise Stores
 5310 Department Stores
 5330 Variety Stores
 5399 Misc. General Merchandise Stores

5400 Food Stores
 5410 Grocery Stores
 5420 Meat Markets & Freezer Provisioners
 5430 Fruit Stores & Vegetables Markets
 5440 Candy, Nut & Confectionary Stores
 5450 Dairy Products Stores
 5460 Retail Bakeries
 5499 Misc. Food Stores
 5500 Automotive Dealers & Service Stations
 5510 New & Used Car Dealers
 5520 Used Car Dealers
 5530 Auto & Home Supply Stores
 5540 Gas Service Stations
 5550 Boat Dealers
 5560 Recreation and Utility Trailer Dealers
 5570 Motorcycle Dealers

5600 Apparel & Accessory Stores
 5610 Men's & Boy's Clothing & Furnishings
 5620 Women's Ready to Wear Stores
 5630 Women's Accessory & Specialty Stores
 5640 Children's & Infants' Wear Stores
 5650 Family Clothing Stores
 5660 Shoe Stores
 5680 Furriers & Fur Shops
 5699 Misc. Apparel & Accessories
 5700 Furniture & Home Furnishings Stores
 5712 Furniture Stores
 5713 Floor Covering Stores
 5714 Drapery & Upholstery Stores
 5719 Misc. Home Furnishing Stores
 5722 Household Appliance Stores
 5730 Radio, Television, & Music Stores

5800 Eating & Drinking Places
 5812 Eating Places
 5813 Drinking Places
 5900 Miscellaneous Retail
 5912 Drug & Proprietary Stores
 5920 Liquor Stores
 5930 Used Merchandise Stores
 5940 Misc. Shopping Goods Stores
 5941 Sporting Goods & Bicycle Shops
 5942 Book Stores
 5943 Stationery Stores
 5944 Jewelry Stores
 5945 Hobby, Toy, & Game Shops
 5946 Camera, & Photographic Supply Stores
 5947 Gift, Novelty, & Souvenir Shops
 5948 Luggage & Leather Goods Stores
 5949 Sewing, Needlework, & Piece Goods
 5960 Nonstore Retailers

5961 Mail Order Houses
 5963 Direct Selling Organizations
 5983 Fuel Oil Dealers
 5984 Liquefied Petroleum Gas Dealers
 5992 Florists
 5993 Cigar Stores & Stands
 5994 News Dealers & Newsstands
 5999 Misc. Retail Stores, Nec.

DIVISION H. FINANCE, INSURANCE, & REAL ESTATE

6000 Banking
 6010 Federal Reserve Banks
 6020 Commercial & Stock Savings Banks
 6022 State Banks, Federal Reserve
 6025 National Banks, Federal Reserve
 6030 Mutual Savings Banks
 6040 Trust Companies, Nondeposit
 6050 Functions Closely Related to Banking
 6100 Credit Agencies Other Than Banks
 6110 Rediscount & Financing Institutions
 6120 Savings & Loan Associations
 6130 Agricultural Credit Institutions
 6140 Personal Credit Institutions
 6150 Business Credit Institutions
 6160 Mortgage Bankers & Brokers

6200 Security, Commodity Brokers & Services
 6300 Insurance Carriers
 6310 Life Insurance
 6320 Medical Service & Health Insurance
 6330 Fire, Marine, & Casualty Insurance
 6350 Surety Insurance
 6360 Title Insurance
 6370 Pension, Health, & Welfare Funds
 6390 Insurance Carriers, nec.

6400 Insurance Agents, Brokers & Service

6500 Real Estate
 6510 Real Estate Operators & Lessors
 6512 Nonresidential Building Operators
 6513 Apartment Building Operators
 6514 Dwelling Operators, Exc. Apt.
 6515 Mobile Home Site Operators
 6530 Real Estate Agents Managers
 6540 Title Abstract Offices
 6550 Subdividers & Developers

6600 Combined Real Estate, Insurance, etc.

6700 Holding & Other Investment Offices
 6710 Holding Offices
 6720 Investment Offices
 6730 Trusts
 6790 Misc. Investing

DIVISION I. SERVICES

7000 Hotels, & Other Lodging Places
 7010 Hotels, Motels, & Tourist Courts
 7020 Rooming & Boarding Houses
 7030 Camps & Trailer Parks
 7200 Personal Services
 7210 Laundry, Cleaning, & Garment Svcs.
 7215 Coin-op Laundry & Cleaning
 7216 Dry Cleaning Plants, except Rug
 7217 Carpet & Upholstery Cleaning
 7220 Photo Studios, Portrait
 7230 Beauty Shops
 7240 Barber Shops
 7250 Shoe Repair
 7260 Funeral Service & Crematories
 7299 Misc. Personal Services

7300 Business Services
 7310 Advertising
 7320 Credit Reporting & Collection
 7330 Mailing, Reproduction, Steno
 7333 Commercial Photography & Art
 7340 Services to Buildings
 7341 Window Cleaning
 7342 Disinfecting & Exterminating
 7349 Building Maintenance Svcs, nec.
 7350 News Syndicates
 7360 Personal Supply Services
 7370 Computer & Data Processing Svcs.
 7390 Misc. Business Services
 7392 Management & Public Relations
 7393 Detective & Protective Services
 7394 Equipment Rental & Leasing
 7395 Photofinishing Labs
 7399 Business Services, Nec.
 7500 Auto Repair, Services & Garages
 7512 Passenger Car Rental & Leasing
 7513 Truck Rental & Leasing
 7520 Automobile Parking
 7530 Auto Repair Shops
 7540 Auto Services, except Repair
 7542 Car Washes
 7600 Misc. Repair Services
 7620 Electrical Repair Shops
 7622 Radio & TV Repair
 7630 Watch, Clock, & Jewelry Repair
 7640 Repholstery & Furniture Repair
 7690 Misc. Repair Shops
 7692 Welding Repair

7800 Motion Pictures
 7810 Motion Picture Production & Services
 7813 Motion Picture Production, except TV
 7814 Motion Picture Production for TV
 7819 Services Allied to Motion Pictures
 7820 Motion Picture Dist. & Services
 7830 Motion Picture Theaters
 7833 Drive-In Motion Picture Theaters

7900 Amusement & Recreation Services
 7910 Dance Halls, Studios, & Schools
 7920 Producers, Orchestras, Entertainers
 7929 Entertainers & Entertainment Groups
 7932 Billiard, Pool Establishments
 7933 Bowling Alleys
 7940 Commercial Sports
 7990 Misc. Amusement, Recreational Svcs.
 7993 Coin-op Amusement Devices

8000 Health Services
 8010 Offices of Physicians
 8020 Offices of Dentists
 8030 Offices of Osteopathic Physicians
 8040 Offices of Other Health Practitioners
 8041 Offices of Chiropractors
 8042 Offices of Optometrists
 8049 Offices of Health Practitioners, nec.
 8050 Nursing & Personal Care Facilities
 8060 Hospitals
 8062 General Medical & Surgical Hospitals
 8063 Psychiatric Hospitals
 8069 Specialty Hospitals, exc. Psych.
 8070 Medical & Dental Laboratories
 8071 Medical Laboratories
 8072 Dental Laboratories
 8080 Outpatient Care Facilities
 8090 Health & Allied Services, nec.

8100 Legal Services

8200 Educational Services
 8210 Elementary & Secondary Schools
 8220 Colleges & Universities
 8230 Libraries & Information Centers
 8241 Correspondence Schools
 8243 Data Processing Schools
 8244 Business & Secretarial Schools
 8249 Vocational Schools, nec.

8300 Social Services
 8320 Individual & Family Services
 8330 Job Training & Related Services
 8350 Child Day Care Services
 8399 Social Services, nec.

8400 Museums, Botanical, Zoological Gardens

8600 Membership Organizations
 8610 Business Associations
 8620 Professional Associations
 8630 Labor Organizations
 8640 Civic & Social Associations
 8650 Political Organizations
 8660 Religious Organizations

8800 Private Households

8900 Miscellaneous Services
 8910 Engineering & Architectural Svcs.
 8920 Noncommercial Research Organizations
 8930 Accounting, Auditing & Bookkeeping
 8999 Services, nec.

DIVISION J. PUBLIC ADMINISTRATION

9100 Executive Legislative, & General
 9200 Justice, Public Order, & Safety
 9300 Finance, Taxation & Monetary Policy
 9400 Administration of Human Resources
 9500 Environmental Quality & Housing
 9600 Administration of Economic Programs
 9700 National Security & Intl. Affairs

DIVISION K. NONCLASSIFIABLE ESTABLISHMENTS

9900 Nonclass Establishments