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**SUMMARY OF WATER-USE DATA IN ALASKA, 1993**

by

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Division of Mining and Water Management  
Alaska Hydrologic Survey

in cooperation with  
U.S. Geological Survey

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## INTRODUCTION

The Alaska Water-Use Data System (AKWUDS) is a statewide water-use database operated by the Alaska Department of Natural Resources (ADNR), Division of Mining and Water Management (DMWM) Alaska Hydrologic Survey (AHS) in cooperation with the U.S. Geological Survey (USGS).

The AKWUDS program was developed to provide necessary water resource information for natural resource and economic development for the State and its citizens. This program provides state and federal agencies, local communities, and the private sector with information to make decisions about water related and water-development projects. The DMWM's water managers use water-use data to appropriate the water of the State and issue water rights in accordance with the Alaska Water Use Act (AS 46.15.010-270). Water-use data is also used by AHS to describe, analyze, and interpret hydrologic conditions of surface-water and ground-water resources throughout the State.

The objectives of the AKWUDS program are to: 1) establish, operate, and maintain a statewide site-specific water-use database for most types of water use in Alaska; 2) to coordinate with other water-use databases; 3) to track water-use trends, and 4) to publish an annual water-use data report.

This report presents site-specific water-use data for calendar year 1993. The methods used to access, acquire, and store water-use data are described.

## LOCATION OF WATER-USE DATA

Most water-use data in Alaska are obtained through the water-rights system which is administered by the DMWM. Numerous water users are required to submit water-use data as a condition of their water-use permits or certificates. The DMWM maintains computer files of all water-rights holders on a Land Administration System (LAS) database. The water-rights and water-use subsystems form part of numerous LAS databases. Certain users are not required to submit water-use data once a water-rights certificate has been issued. They are included in this report because they have been included in prior annual water-use reports or are of specific interest to the State.

Other sources of water-use data exist, but are not included in the report at this time. As the program grows, these sources will be reviewed more closely for possible inclusion into the report. This process would depend on both the fiscal environment and time allocations. Several of these sources are briefly discussed below.

The DMWM has water-use estimates for approximately 500 active State placer mining operations. Annual placer mining applications are entered into the LAS database and reviewed by water managers for water-rights issuance. Mining water-use information and data are available on water-rights applications and permits maintained at DMWM offices in Juneau, Anchorage, Fairbanks and Palmer. Water-use data are available from other state agencies as well. The Alaska Oil and Gas Conservation Commission (AOGCC) Bulletin is a monthly publication which summarizes oil, gas, and water production (including injection wells) by the

oil and gas industry in Alaska. The Alaska Energy Authority maintains manual files of water use for the hydroelectric facilities in Alaska.

Water-use data are also available from several federal agencies. Summaries of reported and estimated water use in Alaska are published at 5-year intervals by the U.S. Geological Survey (Solley and others, 1983; 1988; 1993). The reports list Alaska's offstream and instream water use. In a few instances water discharge by hydroelectric facilities is reported in the U.S. Geological Survey's annual report entitled "Water Resources Data - Alaska". Water-use data are also available in manual files at the office of the U.S. Department of Energy, Alaska Power Administration.

## **DATA COLLECTION METHODS**

Water-use is most commonly quantified by the use of water meters, weir techniques, pumping rate and time measurements, and reservoir level-change calculations. Data are usually collected at well heads or at inlets or outlets of storage tanks, or water or wastewater treatment facilities. Water use is most commonly recorded and reported monthly. Some public-water suppliers report seasonal water use even though the system is used year-round. Daily, quarterly, semi-annual, or annual data are also submitted by water users.

Although DMWM water managers occasionally perform field investigations, on-site verification of water-users' data collection procedures does not normally occur. Water meters are commonly uncalibrated, especially in smaller communities. Leaky water-supply lines also exist. Many of the water users with severe leakage problems are smaller communities with inadequate funding for maintenance of shallow-buried water supply lines that are subject to freezing and bursting.

## **DATA ACQUISITION**

The main method of obtaining AKWUDS water-use data is to use the information supplied by water-rights permittees or certificate holders using 30,000 gallons per day (gal/d) or more. Water-rights permittees and certificate holders using between 500 gal/d and 30,000 gal/d of water may be required to submit water-use records at the discretion of the adjudicator (Patrik, 1990). Single homes are assumed to use less than 500 gal/d and are not required to report. The ADNRC produces a monthly printout which lists permitted or certified water rights holders that are required to submit water-use data. This printout is used to determine which of these applicants have water-use records available in DMWM's manual files.

The second method of obtaining water-use data is to send a questionnaire packet directly to selected water users. The questionnaire packet requests voluntary submittal of information on the type and location of water sources. The criteria used to select which water users receive packets 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. Telephone inquiries may be used to obtain missing data and fill important data gaps.

## DATA STORAGE

Prior to 1990, AKWUDS data was entered and maintained in a separate work area of the LAS database. The LAS system proved to be too slow for database retrievals and manipulations of this type. A personal computer (PC) system has since replaced the LAS system for AKWUDS water-use data storage and retrieval. The present PC computer system uses commercially available dBASE software to calculate and store the following water-use data: facility name, water source, total water use, days of use, rate of use, water rights file number, public water-supply inventory (PWSI) number assigned by the Alaska Department of Environmental Conservation (ADEC), and a Standard Industrial Classification (SIC) code of the U.S. Office of Management and Budget. The SIC codes are primarily used to classify different types of business activities (U.S. Office of Management and Budget, 1987).

## RESULTS AND DISCUSSION

Water-use figures listed in Table 1 and discussed in the text are rounded to the nearest million gallons (Mgal). Actual figures are shown in Appendices A through E. Total reported water

**TABLE 1. Annual reported water-use in Alaska, 1993.**

<u>Type of Water Use</u>	<u>Number of Sources</u>	<u>Total Water Use (Mgal/yr)</u>	<u>Percentage of Total Water Use</u>
Public Water Supply	104	20,425	5.3 %
Crude Petroleum and Natural Gas	34	252	< 1 %
Aquaculture	11	17,306	4.5 %
Hydroelectric Power Generation	10	345,038	89.7 %
Fresh and Frozen Seafood	5	79	< 1 %
Chemical Refining	3	934	< 1 %
Petroleum Refining	3	295	< 1 %
University and Secondary Schools	2	3	< 1 %
Other	<u>9</u>	<u>231</u>	<u>&lt; 1 %</u>
<b>TOTAL</b>	<b>181</b>	<b>384,563</b>	<b>100 %</b>

use in 1993 was 384,563 Mgal (Table 1), an increase of 101,253 Mgal over 1992. USGS has estimated total water use in Alaska to be 757,010 Mgal for offstream and instream water uses during 1990 (Solley, 1993). Assuming that water use has not changed significantly between 1990 and 1993, about 50 percent of all water use in Alaska is reported.

Hydroelectric power generation is the largest reported water use in Alaska in 1993. Total water use for hydroelectric power generation was 345,038 Mgal. This represents 89.7 percent of total water use. Hydroelectric water usage varies seasonally as a result of low summer and high winter electrical demand patterns. Some hydroelectric facilities, notably those in Southeast Alaska, did not report their water use. Consequently, the hydroelectric power water-use category is underestimated.

Public-water supply is the second largest but most frequently reported use of water in 1993. Total reported water use for public-water supply was 20,425 Mgal, representing 5.3 percent of total water use. Public-water supply had 104 of the 181 sources (57 percent) in 1993, an increase of 11 sources over 1992. These figures reflect reporting requirements and efforts by AKWUDS personnel to obtain data on public-water systems.

Aquaculture is the third largest reported use of water in 1993. Total reported water use for aquaculture was 17,306 Mgal, representing 4.5 percent of total water use. Crude petroleum and natural gas development, fresh and frozen seafood processing, chemical refining, petroleum refining, university and secondary schools, and other users represent less than 1 percent of total reported water use in 1993.

A summary of water-use data for each facility and water source, arranged by facility, is presented in Appendix A. Appendix B is water-use data arranged by SIC code and facility name. Total water use in million gallons and acre feet are shown for seventeen SIC code groups.

Appendix C summarizes 1993 water-use for the major public-water suppliers in the three largest cities in Alaska: Anchorage, Fairbanks, and Juneau. This is not a complete listing of all public-water systems in these cities. The total reported water use in the Municipality of Anchorage (MOA) was 11,275 Mgal. Public water systems in the MOA supplied approximately 9,235 Mgal (82 percent) of water from surface-water sources and 2,040 Mgal (18 percent) from ground-water sources. The City of Fairbanks and the City and Borough of Juneau used a similar amount of water in 1993. The City of Fairbanks used 1,631 Mgal of water from ground-water sources exclusively. The City and Borough of Juneau used 1,686 Mgal, of which 1,461 Mgal (87 percent) was from ground-water sources and 225 Mgal (13 percent) was from surface-water sources.

Appendix D is a annual summary and monthly listing of Nikiski industrial area water-use data. Average, maximum, and minimum monthly water use is shown. Appendix E is a listing of physical attributes for the wells that are pumped by Nikiski industrial area water users. Appendix F is a listing of file numbers, facility names, and water sources for cross-referencing data. Appendix G is a partial listing of SIC codes which are included in the AKWUDS database to classify the type of water use. The SIC codes are assigned by DMWM water managers when processing water-rights applications and permits.

## SUMMARY

This report presents site-specific water use data reported from 181 active water sources in Alaska for calendar year 1993. This is a increase of 15 water sources over 1992. The total water use for 1993 was 384,563 Mgal. A comparison of these data with USGS's 1990 estimated water-use data indicate that about 50 percent of water use in Alaska is presently reported.

## ACKNOWLEDGMENTS

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## REFERENCES CITED

- Petrik, W.A., 1990, Summary of water-use data in Alaska, 1989: Alaska Division of Geological and Geophysical Surveys, Public-data File 90-26, 17 p.
- Solley, W.B., Chase, E.G., and Mann, W.B., IV, 1983, Estimated use of water in the United States in 1980: U.S. Geological Survey Circular 101, 56 p.
- Solley, W.B., Merk, C.F., and Pierce, R.R., 1988, Estimated use of water in the United States in 1985: U.S. Geological Survey Circular 1004, 82 p.
- Solley, W.B., Pierce, R.R., and Perlman, H.A., 1993, Estimated use of water in the United States in 1990: U.S. Geological Survey Circular 1081, 76 p.
- U.S. Office of Management and Budget, 1987, Standard Industrial Classification Manual: Statistical Policy Division, 705 p.

Appendix A. 1993 Alaska Water-Use Data System Summary, arranged by facility name.  
(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWSI Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
Alaska Dept. of Fish & Game	Pillar Creek Hatchery, reservo	LAS 7247		306.478	365	0.840	921
Alaska Dept. of Fish & Game	Big Lake Hatchery, wells 1,2,4	LAS 11248		12.960	90	0.144	921
Alaska Dept. of Fish & Game	Big lake Hatchery, well 7	LAS 11255	220715 C	103.680	90	1.152	921
Alaska Dept. of Fish & Game	Pillar Creek Hatchery, well	LAS 11794		58.968	122	0.483	921
Alaska Dept. of Fish & Game	Ft Richardson Hatchery, well 9	LAS 12263	220715 C	288.792	365	0.791	921
				<u>770.878</u>			
Alaska Electric Light & Power	Lower Salmon Creek	ADL 45780		11021.584	365	30.196	4911
				<u>11021.584</u>			
Alaska Energy Authority	Solomon Gulch Hydro Generation	ADL 67278	292666 C	33036.892	365	90.512	4911
Alaska Energy Authority	Swan Lake Hydro Generation	ADL 100113		89810.075	365	246.055	4911
Alaska Energy Authority	Tyee Lake Hydro Generation	ADL 100887	121400 C	12006.645	365	32.895	4911
Alaska Energy Authority	Terror Lake Hydro Generation	ADL 201559	250231 C	33218.316	365	91.009	4911
Alaska Energy Authority	Bradley Lake Hydro Generation	LAS 2836	244654 C	125045.973	365	342.591	4911
				<u>293117.901</u>			
Alaska Power & Telephone Co.	Dewey Lake Hydro Generation	LAS 12268		2941.753	365	8.060	4911
				<u>2941.753</u>			
Aleut Corp. - Midtown Estates	Well #2	LAS 2183	227204 A	3.082	365	0.008	4941
Aleut Corp. - Midtown Estates	Well #1	LAS 2184	227204 A	0.079	181	0.000	4941
				<u>3.161</u>			
Alyeska Pipeline Service Co.	Allison Creek	LAS 11813	291944 B	68.724	365	0.188	4612
				<u>68.724</u>			
Anchor Point Safe Water Corp.	Main Well, 19'	LAS 12765	247490 A	2.128	365	0.006	4941
				<u>2.128</u>			
Anchorage School District	Ravenwood Well	LAS 636	213904 A	0.467	365	0.001	8211
				<u>0.467</u>			
Anchorage Water & Wastewater U	Well # 3, 3rd Ave.	ADL 44626	210930 C	19.458	334	0.058	4941
Anchorage Water & Wastewater U	Girdwood Wells	ADL 44626		51.532	365	0.141	4941
Anchorage Water & Wastewater U	Well # 4, Commercial Drive	ADL 44626	210948 C	70.102	365	0.192	4941
Anchorage Water & Wastewater U	Well #20, Creekside Park	ADL 50906		4.441	184	0.024	4941
Anchorage Water & Wastewater U	Eagle River #4, Eagle River Ht	ADL 51573		7.442	365	0.020	4941
Anchorage Water & Wastewater U	Well #25, Military #1	ADL 54850		32.285	306	0.106	4941
Anchorage Water & Wastewater U	Well #11B, Chugach Foothills	ADL 54850		420.215	365	1.151	4941



Appendix A. 1993 Alaska Water-Use Data System Summary, arranged by facility name.  
(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWS1 Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
Anchorage Water & Wastewater U	Well #10A, Chugach Foothills	ADL 54850	210980 C	355.847	365	0.975	4941
Anchorage Water & Wastewater U	Well # 7, 40th Ave. & Denali S	ADL 65787	210956 C	179.391	304	0.590	4941
Anchorage Water & Wastewater U	Well # 9, Centennial Park	ADL 67201	210972 C	67.308	365	0.184	4941
Anchorage Water & Wastewater U	Well #35, ALAGCO	ADL 201555		15.088	365	0.041	4941
Anchorage Water & Wastewater U	Well #29, Service Hanshaw H.S.	ADL 201920	210087 A	16.053	365	0.044	4941
Anchorage Water & Wastewater U	Well #38, Spenard Builders, GA	ADL 201921		0.701	120	0.006	4941
Anchorage Water & Wastewater U	Well #12, 40th Ave. & B St.	ADL 202997		282.531	365	0.774	4941
Anchorage Water & Wastewater U	Well #31, Huffman Hills	ADL 203956		34.780	365	0.095	4941
Anchorage Water & Wastewater U	Eagle River #8, Eagle Crest	ADL 209828		1.185	365	0.003	4941
Anchorage Water & Wastewater U	Well #13, Spruce and E. 64th S	LAS 246		246.913	337	0.733	4941
Anchorage Water & Wastewater U	Ship Creek	LAS 1051	210906 A	3953.452	365	10.831	4941
Anchorage Water & Wastewater U	Eklutna Lake	LAS 2569		3922.469	365	10.746	4941
				9681.193			
ARCO Alaska, Inc.	Webster Reservoir	ADL 67781		81.103	365	0.222	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12166		5.279	214	0.025	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12167		0.986	123	0.008	1311
ARCO Alaska, Inc.	Unnamed Lake	LAS 12168		2.406	92	0.026	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12169		3.636	153	0.024	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12170		0.042	61	0.001	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12172		0.428	92	0.005	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12173		0.157	92	0.002	1311
ARCO Alaska, Inc.	Unnamed Lake	LAS 12174		0.328	92	0.004	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12175		7.323	123	0.060	1311
ARCO Alaska, Inc.	Not Disclosed	LAS 12176		3.455	153	0.023	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12177		4.511	122	0.037	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12178		0.471	123	0.004	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12179		0.300	123	0.002	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12180		0.086	61	0.001	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12181		0.568	92	0.006	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12182		0.086	92	0.001	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12183		0.343	92	0.004	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12184		1.112	123	0.009	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12186		0.200	92	0.002	1311
ARCO Alaska, Inc.	Not disclosed	LAS 12187		0.171	62	0.003	1311
ARCO Alaska, Inc.	Pingo Lake	LAS 12188		5.564	244	0.023	1311
ARCO Alaska, Inc.	PT MAC/AGI	LAS 13964		0.219	30	0.007	1311
				118.774			
B & J Ventures, Inc.	Well, Snowshoe West	LAS 780	213352 A	3.088	365	0.008	4941
				3.088			
British Petroleum	Big Lake	ADL 66117	333013 B	40.955	365	0.112	1311
British Petroleum	Kuparuk Reservoirs 4-5	ADL 75979		22.382	365	0.061	1311
British Petroleum	Kuparuk Reservoirs 1-3	ADL 75979		13.317	365	0.036	1311

Appendix A. 1993 Alaska Water-Use Data System Summary, arranged by facility name.  
(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWSI Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
British Petroleum	DUI PIT # 1	LAS 13290		2.447	275	0.009	1311
British Petroleum	Cacade Mine Site B	LAS 13485		4.026	90	0.045	1311
British Petroleum	6 Impoundments	LAS 13628		10.514	183	0.057	1311
British Petroleum	16 Shallow Lakes	LAS 13629		1.826	273	0.007	1311
British Petroleum	Patti Lake, Sag. Site C	LAS 13630		29.222	365	0.080	1311
British Petroleum	Yukon Gold Lakes	LAS 14042		8.675	273	0.032	1311
British Petroleum	BADAMI	LAS 18724		0.170	92	0.002	1311
				<u>133.534</u>			
Chugach Electric Assoc. Inc	Cooper Lake	ADL 39886	212576 C	29861.774	365	81.813	4911
				<u>29861.774</u>			
Chugiak - Eagle River Industri	180' Well	LAS 1947		0.432	365	0.001	4941
				<u>0.432</u>			
Chugiak Utilities, Northwoods	225' Well	ADL 74176	213001 A	16.885	365	0.046	4941
				<u>16.885</u>			
Cook Inlet Processing	Well	ADL 39829	241826 B	51.910	66	0.787	2092
				<u>51.910</u>			
Cordova Electric Cooperative,	Humpback Creek	LAS 3445		8094.751	365	22.177	4911
				<u>8094.751</u>			
Craig, City of	North Fork Lake	ADL 62346	120193 A	154.547	365	0.423	4941
Craig, City of	Sunnahae Mt. Spring	ADL 62346	120193 A	0.000	0	0.000	4941
				<u>154.547</u>			
Crestbrook Water Association,	Well	ADL 206632	210867 A	4.142	365	0.011	4941
				<u>4.142</u>			
Dillingham, City of	Wells 1, 2, & 3	ADL 46054	260197 A	42.753	365	0.117	4941
				<u>42.753</u>			
Eagle View Car Wash (W. Ortner	Well	LAS 2102		0.843	365	0.002	7542
				<u>0.843</u>			

Appendix A. 1993 Alaska Water-Use Data System Summary, arranged by facility name.  
(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWSI Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
Eek, Village of	Eek River	LAS 11320	270281 A	0.538	365	0.001	4941
				<u>0.538</u>			
Eklutna Utilities, Inc.	Eklutna Gate Water System	ADL 5649	211156 A	1.454	365	0.004	4941
Eklutna Utilities, Inc.	Eagleridge, Parkview Terrace &	ADL 210813	213077 A	50.611	365	0.139	4941
Eklutna Utilities, Inc.	Thunderbird Heights	LAS 2811	211156 A	26.498	365	0.073	4941
Eklutna Utilities, Inc.	Twin Peaks Subdivision	LAS 2811	227539 A	1.456	365	0.004	4941
				<u>80.019</u>			
Elim, Village of	Well	ADL 75895	340345 A	7.119	365	0.020	4941
				<u>7.119</u>			
Fairbanks, City of	Well #2	ADL 53813	310730 A	84.256	31	2.718	4941
Fairbanks, City of	Well #3	ADL 53813	310730 A	5.580	91	0.061	4941
Fairbanks, City of	Fire Well #3	ADL 53813	310730 A	833.404	273	3.053	4941
Fairbanks, City of	Well #1	ADL 53813	310730 A	708.093	242	2.926	4941
				<u>1631.333</u>			
Fort Yukon, Village of	Main Well	LAS 11321	360256 A	6.815	365	0.019	4941
				<u>6.815</u>			
Grayling, Village of	29' Well	ADL 75980	280066 A	4.657	365	0.013	4941
				<u>4.657</u>			
Hillside Motel & RV (M Morris)	Artesian Well, 20ft	LAS 13202	213140 A	0.308	108	0.003	4941
				<u>0.308</u>			
Hillside Park Homeowner's Asso	283' Well	LAS 9731	212461 A	3.340	365	0.009	4941
				<u>3.340</u>			
Hilltop Ski Area	79' Well	LAS 1389	213548 B	15.992	92	0.174	7999
				<u>15.992</u>			
Homer Electric Association, In	Well	LAS 2530		0.278	129	0.002	4911
				<u>0.278</u>			

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(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWS Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
Homestead Apartments & Trailer	Homestead Creek	LAS 4070	120046 A	13.983	365	0.038	4941
				<hr/> 13.983			
Hoonah, City of	Well #2	LAS 897	130067 A	1.457	353	0.004	4941
				<hr/> 1.457			
Inlet Salmon (Inlet Fisheries	Kenai Well	LAS 3024	241444 B	16.205	126	0.129	2092
Inlet Salmon (Inlet Fisheries	Kasilof Well	LAS 11427	244117 B	2.892	365	0.008	2092
Inlet Salmon (Inlet Fisheries	Naknek Well	LAS 12424	262282 B	4.802	104	0.046	2092
				<hr/> 23.899			
Johnson Development	2-101' Wells	LAS 2082		0.503	365	0.001	6512
				<hr/> 0.503			
Juneau, City and Borough	Wells 1, 2, 4, 5 & 3 Bypass	ADL 44439	110342 A	1360.480	365	3.727	4941
Juneau, City and Borough	Well #3	ADL 100066	110342 A	100.772	365	0.276	4941
Juneau, City and Borough	New Salmon Creek Tailrace	LAS 1942	110342 A	225.439	183	1.232	4941
				<hr/> 1686.691			
Kasaan, City of	Linkum Creek	LAS 11329	120606 A	11.501	365	0.032	4941
				<hr/> 11.501			
Kenai, City of	Well #2	ADL 53282	240448 A	187.921	353	0.532	4941
Kenai, City of	Well #1	ADL 53282	240448 A	102.216	365	0.280	4941
				<hr/> 290.137			
King Cove, City of	Ram Creek	ADL 42595	260244 A	34.905	365	0.096	4941
				<hr/> 34.905			
Kodiak, City of	Pillar Creek	ADL 39747	250011 A	56.600	62	0.913	4941
Kodiak, City of	Monashka Creek	LAS 1145	250011 A	1951.625	365	5.347	4941
				<hr/> 2008.225			

Appendix A. 1993 Alaska Water-Use Data System Summary, arranged by facility name.  
(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWSI Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
Kotzebue, City of	Devil's Lake, Vortac Reservoir	ADL 401827	340060 A	91.362	365	0.250	4941
				<hr/> 91.362			
McGrath, City of	Kuskokwim River	LAS 969	280155 A	11.456	365	0.031	4941
				<hr/> 11.456			
Nome, City of	Moonlight Springs - Anvil Mt.	ADL 42993	340599 A	3.148	365	0.009	9223
Nome, City of	Moonlight Springs - Beltz H.S.	ADL 42993	340638 B	2.826	365	0.008	8211
Nome, City of	Moonlight Springs - FAA	ADL 42993		4.226	365	0.012	4583
Nome, City of	Moonlight Springs - WTP	ADL 42993	340010 A	161.078	365	0.441	4941
Nome, City of	Moonlight Springs - Nat'l Guar	ADL 42993		0.004	92	0.000	9711
Nome, City of	PHS & Reindeer Power Plant	ADL 42993		0.167	92	0.002	4941
				<hr/> 171.449			
Noorvik, Village of	Kobuk River	ADL 75902	340109 A	2.595	365	0.007	4941
				<hr/> 2.595			
Norfolk Utilities	Well	ADL 209576	210875 A	0.957	365	0.003	4941
				<hr/> 0.957			
North Pole, City of	Well	ADL 75902	310675 A	34.343	365	0.094	4941
				<hr/> 34.343			
Offshore Systems, Inc.	Dutch Harbor, unnamed stream	LAS 342	262505 A	29.406	365	0.081	4463
Offshore Systems, Inc.	Kenai, two 186' Wells	LAS 12953	244997 B	25.087	365	0.069	4941
				<hr/> 54.493			
Palmer, City of	Well #2	ADL 201324	226020 A	0.509	8	0.064	4941
Palmer, City of	Well #1, 624'	ADL 201324	226020 A	119.856	261	0.459	4941
Palmer, City of	Well #3	LAS 3017	226020 A	3.149	38	0.083	4941
Palmer, City of	Well #4, 186'	LAS 9889	226020 A	119.721	216	0.554	4941
				<hr/> 243.235			
Petersburg Water Treatment Pla	Stream	LAS 6550	130148 A	326.231	365	0.894	4941
				<hr/> 326.231			

Appendix A. 1993 Alaska Water-Use Data System Summary, arranged by facility name.  
(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWSI Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
Phillips Petroleum Co.	PW 3, 264' Well	ADL 42983	240969 A	133.081	365	0.365	2911
				<u>133.081</u>			
Port Graham, Village of	Unnamed Stream, WTP	LAS 11965	240498 A	24.603	365	0.067	4941
				<u>24.603</u>			
Port Lions, City of	Branchwater Creek	ADL 39835	250045 A	21.584	365	0.059	4941
				<u>21.584</u>			
Prince Wm. Sound Aquaculture,	Esther Lake Hydro	LAS 1312	293124 B	10905.194	365	29.877	921
				<u>10905.194</u>			
Royal Pacific Fisheries, Inc.	Well	LAS 1117	242953 B	3.219	264	0.012	2092
				<u>3.219</u>			
Sand Point, City of	Humboldt Creek	LAS 11795	260294 A	90.339	365	0.248	4941
				<u>90.339</u>			
Saxman, City of	Saxman Creek	ADL 44121	120127 A	28.930	365	0.079	4941
				<u>28.930</u>			
Scammon Bay, Village of	Lines 1 and 2	ADL 46364	270184 A	3.008	365	0.008	4941
				<u>3.008</u>			
Seward, City of	Ft. Raymond Well #5	ADL 39936	240757 A	0.132	91	0.001	4941
Seward, City of	Ft. Raymond Well #4	ADL 39936	240757 A	169.545	335	0.506	4941
Seward, City of	Ft. Raymond Well #3	ADL 39936	240757 A	109.684	182	0.603	4941
Seward, City of	Ft. Raymond Well #2	ADL 39936	240757 A	228.307	214	1.067	4941
Seward, City of	Marathon Creek	ADL 210826	240757 A	0.000	0	0.000	4941
Seward, City of	SMIC Well B, Marine Indust. Ce	LAS 11311	244159 A	23.861	365	0.065	4941
Seward, City of	SMIC Well A, Marine Indust. Ce	LAS 11311	244159 A	22.268	365	0.061	4941
				<u>553.797</u>			
Soldotna, City of	Well B	ADL 40315	241054 A	36.033	365	0.099	4941
Soldotna, City of	Well A	ADL 52342	241054 A	39.485	365	0.108	4941
Soldotna, City of	Well C	ADL 206983	241054 A	158.884	365	0.436	4941
Soldotna, City of	Well D	ADL 214896	241054 A	26.006	214	0.122	4941

Appendix A. 1993 Alaska Water-Use Data System Summary, arranged by facility name.  
(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWSI Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
Soldotna, City of	Well E	LAS 11215	240935 B	0.027	365	0.000	4941
				<u>260.435</u>			
Southcentral Utilities	280' and 543' Wells	LAS 6516	214706 A	5.563	365	0.015	4941
				<u>5.563</u>			
Southpark Terrace	Little Rabbit Creek	ADL 209628	213475 A	11.587	365	0.032	4941
				<u>11.587</u>			
Tatitlek, Village of	Pumphouse	ADL 76071	291130 A	16.377	365	0.045	4941
				<u>16.377</u>			
Tesoro Alaska Petroleum	Well 2	ADL 42906	241745 A	155.048	362	0.428	2911
Tesoro Alaska Petroleum	Well 1	ADL 42906	241745 A	6.879	60	0.115	2911
				<u>161.927</u>			
Thorne Bay, City of	Water Lake	LAS 11465	120216 A	69.992	365	0.192	4941
				<u>69.992</u>			
U.S.D.A. Forest Service - Tong	Old Frank's Creek	LAS 12694		3686.040	365	10.100	921
				<u>3686.040</u>			
U.S.D.O.T. F.A.A. Elmendorf A.	Wells 1, 2 & 3	ADL 45839	211423 A	93.224	365	0.338	4583
U.S.D.O.T. F.A.A. Elmendorf A.	Ship Creek Surface Waters	ADL 65557	212039 A	1358.859	335	4.056	4941
U.S.D.O.T. F.A.A. Elmendorf A.	160 ft well	LAS 11600	211423 A	11.376	365	0.031	4941
				<u>1463.459</u>			
Unalaska, City of	Wells 1 and 1A	LAS 2394	260309 A	110.930	365	0.304	4941
Unalaska, City of	Unalaska Creek	LAS 2394	260309 A	137.680	184	0.748	4941
Unalaska, City of	Icy (Pyramid) Creek	LAS 2394	260309 A	667.480	304	2.196	4941
Unalaska, City of	Wells 2 and 2A	LAS 2394	260309 A	139.910	365	0.383	4941
				<u>1056.000</u>			
University of Alaska	Palmer Exp. Station Well	LAS 12588		14.613	365	0.040	139
				<u>14.613</u>			

Appendix A. 1993 Alaska Water-Use Data System Summary, arranged by facility name.  
(Mgal/d = Million gallons per day)

Facility Name	Water Source	File Number	DEC PWSI Number	Total Use (Million Gallons)	Days of Use	Rate of Use (Mgal/d)	SIC Code
UNOCAL Chemicals Division	Well 7, 15, and 16	ADL 42514	240919 A	521.705	365	1.429	2873
UNOCAL Chemicals Division	Well 1 and 5B	ADL 78075	240919 A	275.767	365	0.756	2873
UNOCAL Chemicals Division	Well 6	ADL 203480	240919 A	137.042	357	0.384	2873
				<u>934.514</u>			
Valdez Fisheries Dev. Assoc.,	Solomon Gulch High Pressure	LAS 1142	292005 B	217.022	183	1.186	921
Valdez Fisheries Dev. Assoc.,	Solomon Gulch Warm Water	LAS 1142	292005 C	43.014	167	0.258	921
Valdez Fisheries Dev. Assoc.,	Solomon Gulch 24" Main	LAS 1142	292005 C	1631.730	318	5.131	921
Valdez Fisheries Dev. Assoc.,	Solomon Gulch Falls Creek	LAS 6721	292005 C	51.910	66	0.787	921
				<u>1943.676</u>			
Viewpoint Ventures, Inc. Potte	295' Well	LAS 2393	214730 A	7.225	365	0.020	4941
				<u>7.225</u>			
Wasilla, City of	Iditarod Wells, 136' and 154'	ADL 209104	223137 A	45.438	365	0.124	4941
Wasilla, City of	Mission Hills Sub Phases 2&3 -	LAS 1141	223763 A	6.559	365	0.018	4941
Wasilla, City of	Lacy Laine Well	LAS 1541	224109 A	0.392	365	0.001	4941
Wasilla, City of	Spruce Ave Wells, 236' and 240	LAS 5204	224646 A	81.373	365	0.223	4941
				<u>133.762</u>			
Whittier, City of	Well 1, 80'	LAS 2531	211952 A	48.374	302	0.160	4941
Whittier, City of	Well 2, 80'	LAS 2532	211952 A	30.727	365	0.084	4941
Whittier, City of	Well 3, 80'	LAS 2533	211952 A	37.129	365	0.102	4941
				<u>116.230</u>			
Yakutat, City of	Back-up (ARCO) Well	ADL 43340	130172 A	34.713	304	0.114	4941
Yakutat, City of	Main Well, A, 325'	ADL 43340	130172 A	34.386	365	0.094	4941
				<u>69.099</u>			
Total Water Usage:				<u>384563.297</u>			



Appendix B. 1993 Alaska Water-Use Data System Summary, arranged by SIC codes.

SIC Code	Type of use	Facility Name	Water Source	Total Use (Million Gallons)	Total Use (Acre Feet)
139	Agricultural Crops	University of Alaska	Palmer Exp. Station Well	14.613	0.123
Total for SIC Group:				14.613	0.123
921	Aquaculture	Alaska Dept. of Fish & Game	Pillar Creek Hatchery, reservoir	306.478	2.577
921	Aquaculture	Alaska Dept. of Fish & Game	Pillar Creek Hatchery, well	58.968	1.483
921	Aquaculture	Alaska Dept. of Fish & Game	Big Lake Hatchery, wells 1,2,4&5	12.960	0.442
921	Aquaculture	Alaska Dept. of Fish & Game	Big lake Hatchery, well 7	103.680	3.535
921	Aquaculture	Alaska Dept. of Fish & Game	Ft Richardson Hatchery, well 9	288.792	2.428
921	Aquaculture	Prince Wm. Sound Aquaculture,	Esther Lake Hydro	10905.194	91.690
921	Aquaculture	U.S.D.A. Forest Service - Tong	Old Frank's Creek	3686.040	30.992
921	Aquaculture	Valdez Fisheries Dev. Assoc.,	Solomon Gulch High Pressure	217.022	3.639
921	Aquaculture	Valdez Fisheries Dev. Assoc.,	Solomon Gulch Warm Water	43.014	0.790
921	Aquaculture	Valdez Fisheries Dev. Assoc.,	Solomon Gulch 24" Main	1631.730	15.747
921	Aquaculture	Valdez Fisheries Dev. Assoc.,	Solomon Gulch Falls Creek	51.910	2.414
Total for SIC Group:				17305.788	155.737
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Webster Reservoir	81.103	0.682
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	5.279	0.076
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.986	0.025
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Unnamed Lake	2.406	0.080
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	3.636	0.073
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.042	0.002
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.428	0.014
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.157	0.005
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Unnamed Lake	0.328	0.011
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	7.323	0.183
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	3.455	0.069
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	4.511	0.113
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.471	0.012
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.300	0.007
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.086	0.004
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.568	0.019
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.086	0.003
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.343	0.011
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	1.112	0.028
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.200	0.007
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Not disclosed	0.171	0.008
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	Pingo Lake	5.564	0.070
1311	Crude Petroleum & Natural Gas	ARCO Alaska, Inc.	PT MAC/AGI	0.219	0.022
1311	Crude Petroleum & Natural Gas	British Petroleum	Big Lake	40.955	0.344
1311	Crude Petroleum & Natural Gas	British Petroleum	Kuparuk Reservoirs 4-5	22.382	0.188
1311	Crude Petroleum & Natural Gas	British Petroleum	Kuparuk Reservoirs 1-3	13.317	0.112
1311	Crude Petroleum & Natural Gas	British Petroleum	DUI PIT # 1	2.447	0.027
1311	Crude Petroleum & Natural Gas	British Petroleum	Cacade Mine Site B	4.026	0.137
1311	Crude Petroleum & Natural Gas	British Petroleum	6 Impoundments	10.514	0.176

Appendix B. 1993 Alaska Water-Use Data System Summary, arranged by SIC codes.

SIC Code	Type of use	Facility Name	Water Source	Total Use (Million Gallons)	Total Use (Acre Feet)
1311	Crude Petroleum & Natural Gas	British Petroleum	16 Shallow Lakes	1.826	0.021
1311	Crude Petroleum & Natural Gas	British Petroleum	Patti Lake, Sag. Site C	29.222	0.246
1311	Crude Petroleum & Natural Gas	British Petroleum	Yukon Gold Lakes	8.675	0.098
1311	Crude Petroleum & Natural Gas	British Petroleum	BADAMI	0.170	0.006
Total for SIC Group:				252.308	2.879
2092	Fresh and Frozen Seafood	Cook Inlet Processing	Well	51.910	2.414
2092	Fresh and Frozen Seafood	Inlet Salmon (Inlet Fisheries	Kenai Well	16.205	0.395
2092	Fresh and Frozen Seafood	Inlet Salmon (Inlet Fisheries	Kasilof Well	2.892	0.024
2092	Fresh and Frozen Seafood	Inlet Salmon (Inlet Fisheries	Naknek Well	4.802	0.142
2092	Fresh and Frozen Seafood	Royal Pacific Fisheries, Inc.	Well	3.219	0.037
Total for SIC Group:				79.028	3.012
2873	Nitrogenous Fertilizers	UNOCAL Chemicals Division	Well 7, 15, and 16	521.705	4.386
2873	Nitrogenous Fertilizers	UNOCAL Chemicals Division	Well 1 and 5B	275.767	2.319
2873	Nitrogenous Fertilizers	UNOCAL Chemicals Division	Well 6	137.042	1.178
Total for SIC Group:				934.514	7.883
2911	Petroleum Refining	Phillips Petroleum Co.	PW 3, 264' Well	133.081	1.119
2911	Petroleum Refining	Tesoro Alaska Petroleum	Well 2	155.048	1.314
2911	Petroleum Refining	Tesoro Alaska Petroleum	Well 1	6.879	0.352
Total for SIC Group:				295.008	2.785
4463	Marine Cargo Handling	Offshore Systems, Inc.	Dutch Harbor, unnamed stream	29.406	0.247
Total for SIC Group:				29.406	0.247
4583	Airport Terminal Services	Nome, City of	Moonlight Springs - FAA	4.226	0.036
4583	Airport Terminal Services	U.S.D.O.T. F.A.A. Elmendorf A.	Wells 1, 2 & 3	93.224	0.784
Total for SIC Group:				97.450	0.820
4612	Petroleum Pipeline Services	Alyeska Pipeline Service Co.	Allison Creek	68.724	0.578
Total for SIC Group:				68.724	0.578
4911	Hydroelectric Power Generation	Alaska Electric Light & Power	Lower Salmon Creek	11021.584	92.668
4911	Hydroelectric Power Generation	Alaska Energy Authority	Solomon Gulch Hydro Generation	33036.892	277.771

Appendix 8. 1993 Alaska Water-Use Data System Summary, arranged by SIC codes.

SIC Code	Type of use	Facility Name	Water Source	Total Use (Million Gallons)	Total Use (Acre Feet)
4911	Hydroelectric Power Generation	Alaska Energy Authority	Swan Lake Hydro Generation	89810.075	755.114
4911	Hydroelectric Power Generation	Alaska Energy Authority	Tyee Lake Hydro Generation	12006.645	100.951
4911	Hydroelectric Power Generation	Alaska Energy Authority	Terror Lake Hydro Generation	33218.316	279.296
4911	Hydroelectric Power Generation	Alaska Energy Authority	Bradley Lake Hydro Generation	125045.973	1051.375
4911	Hydroelectric Power Generation	Alaska Power & Telephone Co.	Dewey Lake Hydro Generation	2941.753	24.734
4911	Hydroelectric Power Generation	Chugach Electric Assoc. Inc	Cooper Lake	29861.774	251.075
4911	Hydroelectric Power Generation	Cordova Electric Cooperative, Inc	Humpback Creek	8094.751	68.060
4911	Hydroelectric Power Generation	Homer Electric Association, Inc	Well	0.278	0.007
Total for SIC Group:				345038.041	2901.051
4941	Public Water Supply	Aleut Corp. - Midtown Estates	Well #2	3.082	0.026
4941	Public Water Supply	Aleut Corp. - Midtown Estates	Well #1	0.079	0.001
4941	Public Water Supply	Anchor Point Safe Water Corp.	Main Well, 19'	2.128	0.018
4941	Public Water Supply	Anchorage Water & Wastewater U	Well # 3, 3rd Ave.	19.458	0.179
4941	Public Water Supply	Anchorage Water & Wastewater U	Girdwood Wells	51.532	0.433
4941	Public Water Supply	Anchorage Water & Wastewater U	Well # 4, Commercial Drive	70.102	0.589
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #20, Creekside Park	4.441	0.074
4941	Public Water Supply	Anchorage Water & Wastewater U	Eagle River #4, Eagle River Mts. N.	7.442	0.063
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #25, Military #1	32.285	0.324
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #11B, Chugach Foothills	420.215	3.533
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #10A, Chugach Foothills	355.847	2.992
4941	Public Water Supply	Anchorage Water & Wastewater U	Well # 7, 40th Ave. & Denali St.	179.391	1.811
4941	Public Water Supply	Anchorage Water & Wastewater U	Well # 9, Centennial Park	67.308	0.566
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #35, ALAGCO	15.088	0.127
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #29, Service Hanshaw H.S.	16.053	0.135
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #38, Spenard Builders, GALCO	0.701	0.018
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #12, 40th Ave. & B St.	282.531	2.375
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #31, Huffman Hills	34.780	0.292
4941	Public Water Supply	Anchorage Water & Wastewater U	Eagle River #8, Eagle Crest	1.185	0.010
4941	Public Water Supply	Anchorage Water & Wastewater U	Well #13, Spruce and E. 64th Sts.	246.913	2.249
4941	Public Water Supply	Anchorage Water & Wastewater U	Ship Creek	3953.452	33.240
4941	Public Water Supply	Anchorage Water & Wastewater U	Eklutna Lake	3922.469	32.980
4941	Public Water Supply	B & J Ventures, Inc.	Well, Snowshoe West	3.088	0.026
4941	Public Water Supply	Chugiak - Eagle River Industri	180' Well	0.432	0.004
4941	Public Water Supply	Chugiak Utilities, Northwoods	225' Well	16.885	0.142
4941	Public Water Supply	Craig, City of	North Fork Lake	154.547	1.299
4941	Public Water Supply	Craig, City of	Sunnahae Mt. Spring	0.000	0.000
4941	Public Water Supply	Crestbrook Water Association,	Well	4.142	0.035
4941	Public Water Supply	Dillingham, City of	Wells 1, 2, & 3	42.753	0.359
4941	Public Water Supply	Eek, Village of	Eek River	0.538	0.005
4941	Public Water Supply	Eklutna Utilities, Inc.	Eklutna Gate Water System	1.454	0.012
4941	Public Water Supply	Eklutna Utilities, Inc.	Eagleridge, Parkview Terrace & East	50.611	0.426
4941	Public Water Supply	Eklutna Utilities, Inc.	Thunderbird Heights	26.498	0.223
4941	Public Water Supply	Eklutna Utilities, Inc.	Twin Peaks Subdivision	1.456	0.012
4941	Public Water Supply	Elim, Village of	Well	7.119	0.060
4941	Public Water Supply	Fairbanks, City of	Well #2	84.256	8.341
4941	Public Water Supply	Fairbanks, City of	Well #3	5.580	0.188

Appendix B. 1993 Alaska Water-Use Data System Summary, arranged by SIC codes.

SIC Code	Type of use	Facility Name	Water Source	Total Use (Million Gallons)	Total Use (Acre Feet)
4941	Public Water Supply	Fairbanks, City of	Fire Well #3	833.404	9.369
4941	Public Water Supply	Fairbanks, City of	Well #1	708.093	8.980
4941	Public Water Supply	Fort Yukon, Village of	Main Well	6.815	0.057
4941	Public Water Supply	Grayling, Village of	29' Well	4.657	0.039
4941	Public Water Supply	Hillside Motel & RV (M Morris)	Artesian Well, 20ft	0.308	0.009
4941	Public Water Supply	Hillside Park Homeowner's Asso	283' Well	3.340	0.028
4941	Public Water Supply	Homestead Apartments & Trailer	Homestead Creek	13.983	0.118
4941	Public Water Supply	Hoonah, City of	Well #2	1.457	0.013
4941	Public Water Supply	Juneau, City and Borough	Wells 1, 2, 4, 5 & 3 Bypass	1360.480	11.439
4941	Public Water Supply	Juneau, City and Borough	Well #3	100.772	0.847
4941	Public Water Supply	Juneau, City and Borough	New Salmon Creek Tailrace	225.439	3.781
4941	Public Water Supply	Kasaan, City of	Linkum Creek	11.501	0.097
4941	Public Water Supply	Kenai, City of	Well #2	187.921	1.634
4941	Public Water Supply	Kenai, City of	Well #1	102.216	0.859
4941	Public Water Supply	King Cove, City of	Ram Creek	34.905	0.293
4941	Public Water Supply	Kodiak, City of	Pillar Creek	56.600	2.802
4941	Public Water Supply	Kodiak, City of	Monashka Creek	1951.625	16.409
4941	Public Water Supply	Kotzebue, City of	Devil's Lake, Vortac Reservoir	91.362	0.768
4941	Public Water Supply	McGrath, City of	Kuskokwim River	11.456	0.096
4941	Public Water Supply	Nome, City of	Moonlight Springs - WTP	161.078	1.354
4941	Public Water Supply	Nome, City of	PHS & Reindeer Power Plant	0.167	0.006
4941	Public Water Supply	Noorvik, Village of	Kobuk River	2.595	0.022
4941	Public Water Supply	Norfolk Utilities	Well	0.957	0.008
4941	Public Water Supply	North Pole, City of	Well	34.343	0.289
4941	Public Water Supply	Offshore Systems, Inc.	Kenai, two 186' Wells	25.087	0.211
4941	Public Water Supply	Palmer, City of	Well #2	0.509	0.195
4941	Public Water Supply	Palmer, City of	Well #1, 624'	119.856	1.409
4941	Public Water Supply	Palmer, City of	Well #3	3.149	0.254
4941	Public Water Supply	Palmer, City of	Well #4, 186'	119.721	1.701
4941	Public Water Supply	Petersburg Water Treatment Pla	Stream	326.231	2.743
4941	Public Water Supply	Port Graham, Village of	Unnamed Stream, WTP	24.603	0.207
4941	Public Water Supply	Port Lions, City of	Branchwater Creek	21.584	0.181
4941	Public Water Supply	Sand Point, City of	Humboldt Creek	90.339	0.760
4941	Public Water Supply	Saxman, City of	Saxman Creek	28.930	0.243
4941	Public Water Supply	Scammon Bay, Village of	Lines 1 and 2	3.008	0.025
4941	Public Water Supply	Seward, City of	Ft. Raymond Well #5	0.132	0.004
4941	Public Water Supply	Seward, City of	Ft. Raymond Well #4	169.545	1.553
4941	Public Water Supply	Seward, City of	Ft. Raymond Well #3	109.684	1.849
4941	Public Water Supply	Seward, City of	Ft. Raymond Well #2	228.307	3.274
4941	Public Water Supply	Seward, City of	Marathon Creek	0.000	0.000
4941	Public Water Supply	Seward, City of	SMIC Well B, Marine Indust. Center	23.861	0.201
4941	Public Water Supply	Seward, City of	SMIC Well A, Marine Indust. Center	22.268	0.187
4941	Public Water Supply	Soldotna, City of	Well B	36.033	0.303
4941	Public Water Supply	Soldotna, City of	Well A	39.485	0.332
4941	Public Water Supply	Soldotna, City of	Well C	158.884	1.336
4941	Public Water Supply	Soldotna, City of	Well D	26.006	0.373
4941	Public Water Supply	Soldotna, City of	Well E	0.027	0.000
4941	Public Water Supply	Southcentral Utilities	280' and 543' Wells	5.563	0.047
4941	Public Water Supply	Southpark Terrace	Little Rabbit Creek	11.587	0.097

Appendix B. 1993 Alaska Water-Use Data System Summary, arranged by SIC codes.

SIC Code	Type of use	Facility Name	Water Source	Total Use (Million Gallons)	Total Use (Acre Feet)
4941	Public Water Supply	Tatitlek, Village of	Pumphouse	16.377	0.138
4941	Public Water Supply	Thorne Bay, City of	Water Lake	69.992	0.588
4941	Public Water Supply	U.S.D.O.T. F.A.A. Elmendorf A.	Ship Creek Surface Waters	1358.859	12.448
4941	Public Water Supply	U.S.D.O.T. F.A.A. Elmendorf A.	160 ft well	11.376	0.096
4941	Public Water Supply	Unalaska, City of	Wells 1 and 1A	110.930	0.933
4941	Public Water Supply	Unalaska, City of	Unalaska Creek	137.680	2.296
4941	Public Water Supply	Unalaska, City of	Icy (Pyramid) Creek	667.480	6.738
4941	Public Water Supply	Unalaska, City of	Wells 2 and 2A	139.910	1.176
4941	Public Water Supply	Viewpoint Ventures, Inc. Potte	295' Well	7.225	0.061
4941	Public Water Supply	Wasilla, City of	Iditarod Wells, 136' and 154'	45.438	0.382
4941	Public Water Supply	Wasilla, City of	Mission Hills Sub Phases 2&3 - Well	6.559	0.055
4941	Public Water Supply	Wasilla, City of	Lacy Laine Well	0.392	0.003
4941	Public Water Supply	Wasilla, City of	Spruce Ave Wells, 236' and 240'	81.373	0.684
4941	Public Water Supply	Whittier, City of	Well 1, 80'	48.374	0.492
4941	Public Water Supply	Whittier, City of	Well 2, 80'	30.727	0.258
4941	Public Water Supply	Whittier, City of	Well 3, 80'	37.129	0.312
4941	Public Water Supply	Yakutat, City of	Back-up (ARCO) Well	34.713	0.350
4941	Public Water Supply	Yakutat, City of	Main Well, A, 325'	34.386	0.289
Total for SIC Group:				20424.634	197.268
6512	Non-Resident. Bldg. Operations	Johnson Development	2-101' Wells	0.503	0.004
Total for SIC Group:				0.503	0.004
7542	Carwash	Eagle View Car Wash (W. Ortner	Well	0.843	0.007
Total for SIC Group:				0.843	0.007
7999	Amusement & Recreation Service	Hilltop Ski Area	79' Well	15.992	0.533
Total for SIC Group:				15.992	0.533
8211	Secondary School	Anchorage School District	Ravenwood Well	0.467	0.004
8211	Secondary School	Nome, City of	Moonlight Springs - Beltz H.S.	2.826	0.024
Total for SIC Group:				3.293	0.028
9223	Public Safety	Nome, City of	Moonlight Springs - Anvil Mt.	3.148	0.026
Total for SIC Group:				3.148	0.026

Appendix B. 1993 Alaska Water-Use Data System Summary, arranged by SIC codes.

SIC Code	Type of use	Facility Name	Water Source	Total Use (Million Gallons)	Total Use (Acre Feet)
9711	National Security	Nome, City of	Moonlight Springs - Nat'l Guard Arm	0.004	0.000
			Total for SIC Group:	<u>0.004</u>	<u>0.000</u>
			Total for ALL SIC Groups:	<u>384563.297</u>	<u>3272.981</u>

Appendix C. Monthly water use by public water suppliers in Anchorage, Fairbanks and Juneau, for 1993.

Use reported in million gallons (Mgal).

SW = surface water; GW = ground water; NA = not available.

Municipality of Anchorage														
Month	Anchorage Water & Wastewater Utility		Chugiak- Eagle River Industr.	Chugiak Utilities	Crest- brook Water Assoc. Inc.	Eklutna Utilities	Hillside Park Home- owner's Assoc.	Norfolk Utilities	South- central Utilities	South- park Terrace	U.S. Army Ft. Richardson and Elmendorf Air Force Base		View- point Ventures	TOTAL (Mgal)
	SW	GW	GW	GW	GW	GW	GW	GW	GW	GW	SW	GW	GW	
Jan.	698.208	20.709	0.042	1.260	0.346	6.269	0.097	0.065	0.331	0.623	125.072	.846	0.474	854.342
Feb.	654.878	19.779	0.033	1.028	0.330	5.866	0.065	0.051	0.299	0.579	112.544	0.788	0.418	796.658
Mar.	644.905	71.162	0.028	1.654	0.305	6.350	0.074	0.064	0.417	0.678	122.967	2.301	0.503	851.408
Apr.	572.941	164.478	0.037	1.444	0.316	6.398	0.385	0.060	0.463	0.672	113.480	6.308	0.804	867.786
May	717.676	123.151	0.040	1.798	0.363	7.364	0.418	0.102	0.568	1.201	102.246	39.021	0.984	994.932
June	763.781	272.022	0.039	1.617	0.387	7.137	0.441	0.129	0.642	1.882	137.820	2.161	0.806	1188.864
July	838.618	299.643	0.026	2.133	0.394	8.250	0.469	0.142	0.677	2.054	154.277	2.431	0.673	1309.787
Aug.	692.869	212.932	0.046	1.616	0.379	7.696	0.317	0.092	0.530	1.394	150.116	10.640	0.498	1079.125
Sept.	616.053	112.356	0.027	1.245	0.329	6.165	0.242	0.063	0.429	0.642	NA	1.051	0.507	739.109
Oct.	607.758	119.125	0.035	1.167	0.329	6.422	0.205	0.066	0.407	0.601	127.942	2.505	0.362	866.924
Nov.	586.393	156.622	0.039	0.946	0.347	6.239	0.282	0.061	0.390	0.623	115.985	3.846	0.582	872.355
Dec.	481.841	233.293	0.040	0.978	0.317	5.863	0.345	0.062	0.410	0.638	96.410	32.701	0.614	853.512
Subtotal	7875.921	1806.272									1358.859	104.600		
TOTAL	9681.193		0.432	16.885	4.142	80.019	3.340	0.957	5.563	11.587	1463.459		7.225	11,274.802

Appendix C. Monthly water use by public water suppliers in Anchorage, Fairbanks and Juneau, for 1993.

Use reported in million gallons (Mgal).  
 SW = surface water; GW = ground water.

Month	City of Fairbanks		City and Borough of Juneau	
	GW	SW	GW	Total
January	126,460	60,221	83,143	143,364
February	117,322	53,610	75,232	128,842
March	129,456	56,340	86,331	142,671
April	122,583	54,872	80,315	135,187
May	129,456	0	144,948	144,948
June	227,559	0	149,014	149,014
July	159,083	0.389	145,072	145,461
August	123,243	0.007	155,894	155,901
September	113,853	0	140,643	140,643
October	108,539	0	131,852	131,852
November	151,129	0	130,642	130,642
December	122,650	0	138,166	138,166
Subtotal		225,439	1461,252	
TOTAL	1631,333		1686,691	



## Appendix D. Nikiski Industrial Area Water Use, 1993

### Annual Summary

Facility Name	Well Number	Well Status	Mean Annual daily rate (Mgal/d)	Month of maximum usage	Month of minimum usage
CHEVRON, USA	1	INACTIVE	<500	-	-
CHEVRON, USA	2	INACTIVE	<500	-	-
CHEVRON, USA	3	INACTIVE	<500	-	-
CHEVRON, USA	4	INACTIVE	<500	-	-
CHUGACH ELECTRIC	1	ABANDONED	0	-	-
CHUGACH ELECTRIC	2	ACTIVE	<150	-	-
CHUGACH ELECTRIC	3	ACTIVE	<150	-	-
COOK INLET PROCESSING INC.	1	ACTIVE	786,515	-	-
COOK INLET PROCESSING INC.	2	ACTIVE	-	-	-
CROWLEY MARITIME	1	ACTIVE	< 500	-	-
CROWLEY MARITIME	2	ACTIVE	< 500	-	-
CROWLEY MARITIME	3	ACTIVE	< 500	-	-
CROWLEY MARITIME	4	ACTIVE	< 500	-	-
CROWLEY MARITIME	5	ACTIVE	NA	-	-
CROWLEY MARITIME	6	ABANDONED	0	-	-
CROWLEY MARITIME	7	ACTIVE	< 500	-	-
KENAI PIPELINE CO.	1	ACTIVE	<500	-	-
KENAI PIPELINE CO.	2	ABANDONED	0	-	-
KENAI PIPELINE CO.	3	ACTIVE	<150	-	-
OFFSHORE SYSTEMS	1	ACTIVE	68,731	JUL	NOV
OFFSHORE SYSTEMS	2	ACTIVE	< 500	-	-
PHILLIPS PETROLEUM CO.	1	STANDBY	0	-	-
PHILLIPS PETROLEUM CO.	2	STANDBY	0	-	-
PHILLIPS PETROLEUM CO.	3	ACTIVE	381,370	AUG	JAN
SHELL WESTERN	1	ACTIVE	< 500	-	-
SHELL WESTERN	2	ACTIVE	<150	-	-
TESORO	1	ACTIVE	114,655	DEC	JAN
TESORO	2	ACTIVE	428,310	OCT	MAR
UNOCAL	1	ACTIVE	755,527	SEP	NOV
UNOCAL	5B	STANDBY	0	-	-
UNOCAL	6	ACTIVE	383,871	OCT	DEC
UNOCAL	10	STANDBY	0	-	-
UNOCAL	12	STANDBY	0	-	-
UNOCAL	14	STANDBY	0	-	-
UNOCAL	7P	ACTIVE	1,429,328	FEB	MAY
UNOCAL	15	STANDBY	0	-	-
UNOCAL	16	STANDBY	0	-	-

## Appendix D. Nikiski Industrial Area Water Use, 1993.

Facility Name	Well Number	January					February				
		Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)	Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)
CHEVRON, USA	1	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	2	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	3	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	4	<500	-	-	-	-	<500	-	-	-	-
CHUGACH ELECTRIC	1	0	-	-	-	-	0	-	-	-	-
CHUGACH ELECTRIC	2	<150	-	-	-	-	<150	-	-	-	-
CHUGACH ELECTRIC	3	<150	-	-	-	-	<150	-	-	-	-
COOK INLET PROCESSING INC.	1	66,593	-	-	-	-	66,593	-	-	-	-
COOK INLET PROCESSING INC.	2	-	-	-	-	-	-	-	-	-	-
CROWLEY MARITIME	1	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	2	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	3	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	4	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	5	NA	-	-	-	-	NA	-	-	-	-
CROWLEY MARITIME	6	0	-	-	-	-	0	-	-	-	-
CROWLEY MARITIME	7	< 500	-	-	-	-	< 500	-	-	-	-
KENAI PIPELINE CO.	1	<500	-	-	-	-	<500	-	-	-	-
KENAI PIPELINE CO.	2	0	-	-	-	-	0	-	-	-	-
KENAI PIPELINE CO.	3	<150	-	-	-	-	<150	-	-	-	-
OFFSHORE SYSTEMS	1	63,403	-	-	-	-	58,357	-	-	-	-
OFFSHORE SYSTEMS	2	< 500	-	-	-	-	< 500	-	-	-	-
PHILLIPS PETROLEUM CO.	1	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	2	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	3	294,832	-	-	-	-	308,580	-	-	-	-
SHELL WESTERN	1	< 500	-	-	-	-	< 500	-	-	-	-
SHELL WESTERN	2	<150	-	-	-	-	<150	-	-	-	-
TESORO	1	900	1	1,200	-	0	16,150	15	18,400	-	0
TESORO	2	468,861	27	539,300	2	412,400	409,743	1	485,900	21	370,900
UNOCAL	1	764,129	25	1,060,000	19	56,000	702,514	3	1,026,000	11	323,000
UNOCAL	5B	0	-	-	-	-	0	-	-	-	-
UNOCAL	6	432,604	28	651,000	15	250,000	440,074	6	691,000	15	271,000
UNOCAL	10	0	-	-	-	-	0	-	-	-	-
UNOCAL	12	0	-	-	-	-	0	-	-	-	-
UNOCAL	14	0	-	-	-	-	0	-	-	-	-
UNOCAL	7P	1,457,745	28	1,833,000	14	1,234,000	1,524,137	11	2,048,000	14	1,329,000
UNOCAL	15	0	-	-	-	-	0	-	-	-	-
UNOCAL	16	0	-	-	-	-	0	-	-	-	-

## Appendix D. Nikiski Industrial Area Water Use, 1993.

Facility Name	Well Number	March					April				
		Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)	Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)
CHEVRON, USA	1	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	2	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	3	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	4	<500	-	-	-	-	<500	-	-	-	-
CHUGACH ELECTRIC	1	0	-	-	-	-	0	-	-	-	-
CHUGACH ELECTRIC	2	<150	-	-	-	-	<150	-	-	-	-
CHUGACH ELECTRIC	3	<150	-	-	-	-	<150	-	-	-	-
COOK INLET PROCESSING INC.	1	66,593	-	-	-	-	66,593	-	-	-	-
COOK INLET PROCESSING INC.	2	-	-	-	-	-	-	-	-	-	-
CROWLEY MARITIME	1	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	2	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	3	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	4	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	5	NA	-	-	-	-	NA	-	-	-	-
CROWLEY MARITIME	6	0	-	-	-	-	0	-	-	-	-
CROWLEY MARITIME	7	< 500	-	-	-	-	< 500	-	-	-	-
KENAI PIPELINE CO.	1	<500	-	-	-	-	<500	-	-	-	-
KENAI PIPELINE CO.	2	0	-	-	-	-	0	-	-	-	-
KENAI PIPELINE CO.	3	<150	-	-	-	-	<150	-	-	-	-
OFFSHORE SYSTEMS	1	50,294	-	-	-	-	72,290	-	-	-	-
OFFSHORE SYSTEMS	2	< 500	-	-	-	-	< 500	-	-	-	-
PHILLIPS PETROLEUM CO.	1	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	2	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	3	335,167	-	-	-	-	356,023	-	-	-	-
SHELL WESTERN	1	< 500	-	-	-	-	< 500	-	-	-	-
SHELL WESTERN	2	<150	-	-	-	-	<150	-	-	-	-
TESORO	1	231,540	-	-	-	-	45,100	1	88,900	-	0
TESORO	2	335,865	-	-	-	-	427,687	28	563,400	1	308,400
UNOCAL	1	798,782	12	898,000	1	649,000	745,296	1	883,000	21	607,000
UNOCAL	5B	0	-	-	-	-	0	-	-	-	-
UNOCAL	6	388,243	7	496,000	21	265,000	360,624	7	493,000	27	241,000
UNOCAL	10	0	-	-	-	-	0	-	-	-	-
UNOCAL	12	0	-	-	-	-	0	-	-	-	-
UNOCAL	14	0	-	-	-	-	0	-	-	-	-
UNOCAL	7P	1,427,690	16	1,504,000	24	1,314,000	1,375,632	9	1,498,000	28	1,198,000
UNOCAL	15	0	-	-	-	-	0	-	-	-	-
UNOCAL	16	0	-	-	-	-	0	-	-	-	-

## Appendix D. Nikiski Industrial Area Water Use, 1993.

Facility Name	Well Number	May					June				
		Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)	Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)
CHEVRON, USA	1	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	2	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	3	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	4	<500	-	-	-	-	<500	-	-	-	-
CHUGACH ELECTRIC	1	0	-	-	-	-	0	-	-	-	-
CHUGACH ELECTRIC	2	<150	-	-	-	-	<150	-	-	-	-
CHUGACH ELECTRIC	3	<150	-	-	-	-	<150	-	-	-	-
COOK INLET PROCESSING INC.	1	66,593	-	-	-	-	66,593	-	-	-	-
COOK INLET PROCESSING INC.	2	-	-	-	-	-	-	-	-	-	-
CROWLEY MARITIME	1	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	2	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	3	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	4	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	5	NA	-	-	-	-	NA	-	-	-	-
CROWLEY MARITIME	6	0	-	-	-	-	0	-	-	-	-
CROWLEY MARITIME	7	< 500	-	-	-	-	< 500	-	-	-	-
KENAI PIPELINE CO.	1	<500	-	-	-	-	<500	-	-	-	-
KENAI PIPELINE CO.	2	0	-	-	-	-	0	-	-	-	-
KENAI PIPELINE CO.	3	<150	-	-	-	-	<150	-	-	-	-
OFFSHORE SYSTEMS	1	91,548	-	-	-	-	90,131	-	-	-	-
OFFSHORE SYSTEMS	2	< 500	-	-	-	-	< 500	-	-	-	-
PHILLIPS PETROLEUM CO.	1	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	2	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	3	369,516	-	-	-	-	376,883	-	-	-	-
SHELL WESTERN	1	< 500	-	-	-	-	< 500	-	-	-	-
SHELL WESTERN	2	<150	-	-	-	-	<150	-	-	-	-
TESORO	1	22,275	28	60,300	-	0	23,000	11	45,100	-	0
TESORO	2	444,890	3	517,200	13	370,400	411,170	6	501,500	30	338,000
UNOCAL	1	692,268	20	865,000	8	538,000	788,592	7	870,000	25	610,000
UNOCAL	5B	0	-	-	-	-	0	-	-	-	-
UNOCAL	6	338,865	5	430,000	1	274,000	323,376	15	528,000	20	180,000
UNOCAL	10	0	-	-	-	-	0	-	-	-	-
UNOCAL	12	0	-	-	-	-	0	-	-	-	-
UNOCAL	14	0	-	-	-	-	0	-	-	-	-
UNOCAL	7P	1,336,877	6	1,668,000	23	1,134,000	1,381,248	6	1,507,000	1	1,216,000
UNOCAL	15	0	-	-	-	-	0	-	-	-	-
UNOCAL	16	0	-	-	-	-	0	-	-	-	-

## Appendix D. Nikiski Industrial Area Water Use, 1993.

Facility Name	Well Number	July					August				
		Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)	Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)
CHEVRON, USA	1	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	2	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	3	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	4	<500	-	-	-	-	<500	-	-	-	-
CHUGACH ELECTRIC	1	0	-	-	-	-	0	-	-	-	-
CHUGACH ELECTRIC	2	<150	-	-	-	-	<150	-	-	-	-
CHUGACH ELECTRIC	3	<150	-	-	-	-	<150	-	-	-	-
COOK INLET PROCESSING INC.	1	66,593	-	-	-	-	66,593	-	-	-	-
COOK INLET PROCESSING INC.	2	-	-	-	-	-	-	-	-	-	-
CROWLEY MARITIME	1	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	2	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	3	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	4	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	5	NA	-	-	-	-	NA	-	-	-	-
CROWLEY MARITIME	6	0	-	-	-	-	0	-	-	-	-
CROWLEY MARITIME	7	< 500	-	-	-	-	< 500	-	-	-	-
KENAI PIPELINE CO.	1	<500	-	-	-	-	<500	-	-	-	-
KENAI PIPELINE CO.	2	0	-	-	-	-	0	-	-	-	-
KENAI PIPELINE CO.	3	<150	-	-	-	-	<150	-	-	-	-
OFFSHORE SYSTEMS	1	93,699	-	-	-	-	82,518	-	-	-	-
OFFSHORE SYSTEMS	2	< 500	-	-	-	-	< 500	-	-	-	-
PHILLIPS PETROLEUM CO.	1	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	2	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	3	381,370	-	-	-	-	465,915	-	-	-	-
SHELL WESTERN	1	< 500	-	-	-	-	< 500	-	-	-	-
SHELL WESTERN	2	<150	-	-	-	-	<150	-	-	-	-
TESORO	1	87,040	8	205,050	-	0	4,650	24	8,300	-	0
TESORO	2	406,261	13	514,800	9	57,900	456,445	12	522,600	8	394,100
UNOCAL	1	844,862	12	952,000	16	743,000	732,031	31	886,000	22	503,000
UNOCAL	5B	0	-	-	-	-	0	-	-	-	-
UNOCAL	6	442,963	15	531,000	2	375,000	438,503	20	931,000	27	128,000
UNOCAL	10	0	-	-	-	-	0	-	-	-	-
UNOCAL	12	0	-	-	-	-	0	-	-	-	-
UNOCAL	14	0	-	-	-	-	0	-	-	-	-
UNOCAL	7P	1,428,201	17	1,521,000	14	1,301,000	1,468,800	30	1,967,000	13	1,237,000
UNOCAL	15	0	-	-	-	-	0	-	-	-	-
UNOCAL	16	0	-	-	-	-	0	-	-	-	-

## Appendix D. Nikiski Industrial Area Water Use, 1993.

Facility Name	Well Number	September					October				
		Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)	Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Maximum Usage(gal/d)	Date of Minimum Usage	Rate of Minimum Usage(gal/d)
CHEVRON, USA	1	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	2	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	3	<500	-	-	-	-	<500	-	-	-	-
CHEVRON, USA	4	<500	-	-	-	-	<500	-	-	-	-
CHUGACH ELECTRIC	1	0	-	-	-	-	0	-	-	-	-
CHUGACH ELECTRIC	2	<150	-	-	-	-	<150	-	-	-	-
CHUGACH ELECTRIC	3	<150	-	-	-	-	<150	-	-	-	-
COOK INLET PROCESSING INC.	1	66,593	-	-	-	-	66,593	-	-	-	-
COOK INLET PROCESSING INC.	2	-	-	-	-	-	-	-	-	-	-
CROWLEY MARITIME	1	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	2	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	3	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	4	< 500	-	-	-	-	< 500	-	-	-	-
CROWLEY MARITIME	5	NA	-	-	-	-	NA	-	-	-	-
CROWLEY MARITIME	6	0	-	-	-	-	0	-	-	-	-
CROWLEY MARITIME	7	< 500	-	-	-	-	< 500	-	-	-	-
KENAI PIPELINE CO.	1	<500	-	-	-	-	<500	-	-	-	-
KENAI PIPELINE CO.	2	0	-	-	-	-	0	-	-	-	-
KENAI PIPELINE CO.	3	<150	-	-	-	-	<150	-	-	-	-
OFFSHORE SYSTEMS	1	55,949	-	-	-	-	55,877	-	-	-	-
OFFSHORE SYSTEMS	2	< 500	-	-	-	-	< 500	-	-	-	-
PHILLIPS PETROLEUM CO.	1	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	2	0	-	-	-	-	0	-	-	-	-
PHILLIPS PETROLEUM CO.	3	417,200	-	-	-	-	457,161	-	-	-	-
SHELL WESTERN	1	< 500	-	-	-	-	< 500	-	-	-	-
SHELL WESTERN	2	<150	-	-	-	-	<150	-	-	-	-
TESORO	1	37,800	23	73,200	-	0	39,486	-	-	-	-
TESORO	2	415,793	1	535,400	19	280,900	488,613	-	-	-	-
UNOCAL	1	852,624	2	727,000	30	727,000	699,422	1	865,000	22	467,000
UNOCAL	5B	0	-	-	-	-	0	-	-	-	-
UNOCAL	6	315,648	18	518,000	1	63,000	443,427	7	701,000	20	308,000
UNOCAL	10	0	-	-	-	-	0	-	-	-	-
UNOCAL	12	0	-	-	-	-	0	-	-	-	-
UNOCAL	14	0	-	-	-	-	0	-	-	-	-
UNOCAL	7P	1,503,648	16	1,774,000	29	1,280,000	1,391,505	6	1,702,000	13	1,243,000
UNOCAL	15	0	-	-	-	-	0	-	-	-	-
UNOCAL	16	0	-	-	-	-	0	-	-	-	-

Appendix D. Nikiski Industrial Area Water Use, 1993.

Facility Name	Well Number	November				December			
		Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Minimum Usage	Rate of Maximum Usage	Average Monthly Usage(gal/d)	Date of Maximum Usage	Rate of Minimum Usage	Rate of Maximum Usage
CHEVRON, USA	1	<500	-	-	-	<500	-	-	-
CHEVRON, USA	2	<500	-	-	-	<500	-	-	-
CHEVRON, USA	3	<500	-	-	-	<500	-	-	-
CHEVRON, USA	4	<500	-	-	-	<500	-	-	-
CHUGACH ELECTRIC	1	0	-	-	-	0	-	-	-
CHUGACH ELECTRIC	2	<150	-	-	-	<150	-	-	-
CHUGACH ELECTRIC	3	<150	-	-	-	<150	-	-	-
COOK INLET PROCESSING INC.	1	66,593	-	-	-	66,593	-	-	-
COOK INLET PROCESSING INC.	2	-	-	-	-	-	-	-	-
CROWLEY MARITIME	1	< 500	-	-	-	< 500	-	-	-
CROWLEY MARITIME	2	< 500	-	-	-	< 500	-	-	-
CROWLEY MARITIME	3	< 500	-	-	-	< 500	-	-	-
CROWLEY MARITIME	4	< 500	-	-	-	< 500	-	-	-
CROWLEY MARITIME	5	NA	-	-	-	NA	-	-	-
CROWLEY MARITIME	6	0	-	-	-	0	-	-	-
CROWLEY MARITIME	7	< 500	-	-	-	< 500	-	-	-
KENAI PIPELINE CO.	1	<500	-	-	-	<500	-	-	-
KENAI PIPELINE CO.	2	0	-	-	-	0	-	-	-
KENAI PIPELINE CO.	3	<150	-	-	-	<150	-	-	-
OFFSHORE SYSTEMS	1	49,543	-	-	-	59,929	-	-	-
OFFSHORE SYSTEMS	2	< 500	-	-	-	< 500	-	-	-
PHILLIPS PETROLEUM CO.	1	0	-	-	-	0	-	-	-
PHILLIPS PETROLEUM CO.	2	0	-	-	-	0	-	-	-
PHILLIPS PETROLEUM CO.	3	301,033	-	-	-	305,938	-	-	-
SHELL WESTERN	1	< 500	-	-	-	< 500	-	-	-
SHELL WESTERN	2	<150	-	-	-	<150	-	-	-
TESORO	1	17,083	3	55,700	-	317,870	8	557,200	0
TESORO	2	455,683	8	573,200	28	418,103	16	559,700	0
UNOCAL	1	660,576	30	826,000	3	539,000	8	902,000	2
UNOCAL	5B	0	-	-	-	0	-	-	583,000
UNOCAL	6	375,888	18	469,000	25	282,000	27	441,000	9
UNOCAL	10	0	-	-	-	0	-	-	0
UNOCAL	12	0	-	-	-	0	-	-	-
UNOCAL	14	0	-	-	-	0	-	-	-
UNOCAL	7P	1,372,656	19	1,511,000	13	1,490,261	14	1,737,000	23
UNOCAL	15	0	-	-	-	0	-	-	1,229,000
UNOCAL	16	0	-	-	-	0	-	-	-

## Appendix E. Well data for Nikiski Industrial Area water use.

### Glossary of terms and abbreviations.

Abandoned = Well properly abandoned and sealed.  
Active = Well currently in use.  
Aquifer type: DC = double confining layers.  
                  LC = lower confining layer.  
                  UC = upper confining layer.  
                  UNC = unconfined.  
                  ? = information unavailable or of uncertain reliability.  
DEC PWSI Number = ADEC Public Water Supply inventory number and type.  
File Number = ADNR water rights application, permit or certificate number.  
Inactive = facility closed, well not in use.  
Screen size: OPEN H. = open hole at bottom of well pipe.  
                  PACKER = packed well.  
                  PERF. = well pipe perforated after installation.  
USGS Number = USGS well number, based on township and range convention.



Appendix E. Well data for Nikiski Industrial Area water use.

Facility Name	Well Number	USGS Number	DEC PWSI Number	File Number	Date of completion	Well depth (feet)	Well diameter (inches)	Static level (ft)	Yield (gal/min)	Average use rate (gals/d)
CHEVRON	1	SB 7-12-16 DCAB 1-03	241729 C	ADL 40432	5-28-62	176	6	124	90	<500
CHEVRON	2	SB 7-12-16 DCAB 2-03	241729 C	ADL 40435	7-11-62	169	6	124	90	<500
CHEVRON	3	SB 7-12-16 DCAA 1-05	241729 C		8-08-62	170	6	124	50	<500
CHEVRON	4	SB 7-12-16 DBCD	241729 C		10-27-82	260	6	123	180	~60,000
CHUGACH ELECTRIC	1	SB 7-12-16 DCAA 2-05	212576 C	ADL 40432	11-08-62	174	12	122	60	~150
CHUGACH ELECTRIC	2	SB 7-12-16 DDBB 1-07	212576 C	ADL 40432	11-08-62	174	6	123	63	~150
CHUGACH ELECTRIC	3	SB 7-12-16 DBDD 1-08	212576 C	ADL 40432	1-22-65	182	10	124	175	~150
COOK INLET PROCESSING, INC.	1	SB 7-12-01 ACCB 1-07		LAS 6640	5-14-78	140			70	66,593
COOK INLET PROCESSING, INC.	2	SB 7-12-01 ACCB	241826 B	LAS 11223	5-04-84	168			100	
CROWLEY MARITIME, INC.	1	SB 7-12-21 ACBB 1-03	244696 B	ADL 40387	67	70	6	11	135	<1,000
CROWLEY MARITIME, INC.	2	SB 7-12-21 ACBB 2-03	244395 C	ADL 40387	67	60	12	26	200	<500
CROWLEY MARITIME, INC.	3	SB 7-12-21 ABCC 1-14	244400 C	ADL 40387	67	46	10	15	100	<500
CROWLEY MARITIME, INC.	4	SB 7-12-21 ABCC 2-14		ADL 40387	67	56	10	18		<500
CROWLEY MARITIME, INC.	5	SB 7-12-21 ABCD 1-05	241371 A	ADL 42979	10-25-67	158	10	42	625	NA
CROWLEY MARITIME, INC.										
CROWLEY MARITIME, INC.										
CROWLEY MARITIME, INC.										
CROWLEY MARITIME, INC.										
CROWLEY MARITIME, INC.										
CROWLEY MARITIME, INC.	6	SB 7-12-21 ACBA 1-04		ADL 42979	10-25-67	152	10	54	285	
CROWLEY MARITIME, INC.										
CROWLEY MARITIME, INC.	7	SB 7-12-21 ABBC 1-02		ADL 40295	<78	272				100
KENAI PIPELINE	1	SB 7-12-16 ADDB 1-07		ADL 40250	5-31-61	260	6	40.4	60	<500
KENAI PIPELINE										
KENAI PIPELINE										
KENAI PIPELINE	2	SB 7-12-21 ABDC 1-06		ADL 40250	2-00-61	87	6	36.9		
KENAI PIPELINE	3	SB 7-12-21 ABDB 2-07			67	79	6	39	70	
OFFSHORE SYSTEMS	1	SB 8-12-36 CAAA PAD 3	244997 B	NONE	5-16-68	162	8	101	535	93,372
OFFSHORE SYSTEMS	2	SB 8-12-36 CAAD	244997 B	NONE	6-11-91	186	8	101	550	
OFFSHORE SYSTEMS										
OFFSHORE SYSTEMS										
OFFSHORE SYSTEMS	4	SB 8-12-36 ACCD PAD 2	245008 C	-	12-12-66	41	6	NA	20	~500

Appendix E. Well data for Nikiski Industrial Area water use.

[illegible]

Appendix E. Well data for Nikiski Industrial Area water use, continued.

Facility Name	Well Number	USGS Number	Screen size (inches)	Screened interval (feet)	Water use type	Type of aquifer	Remarks
CHEVRON	1	SB 7-12-16 DCAB 1-03	.014	156-166	DOMESTIC	LC?	DRINKING WATER ONLY
CHEVRON			.010	166-176	INDUSTRIAL		
CHEVRON	2	SB 7-12-16 DCAB 2-03	.014	149-159	DOMESTIC	LC?	LAB, EMERGENCY B.U.
CHEVRON			.010	159-169	INDUSTRIAL		
CHEVRON	3	SB 7-12-16 DCAA 1-05	.014	150-160	DOMESTIC	LC?	SHOP, EMERGENCY B.U.
CHEVRON			.010	160-170	INDUSTRIAL		
CHEVRON	4	SB 7-12-16 DBCD	.015	230-240	INDUSTRIAL	LC	STEAM BOILER
CHEVRON			.010	240-260			
CHUGACH ELECTRIC	1	SB 7-12-16 DCAA 2-05			DOMESTIC	LC?	ABANDONED - '64 QUAKE
CHUGACH ELECTRIC	2	SB 7-12-16 DDBB 1-07			DOMESTIC	LC	USE CHEV. CONDENSATE
CHUGACH ELECTRIC	3	SB 7-12-16 DBDD 1-08	.010	162-172	DOMESTIC	LC	FOR NOX SCRUBBING
CHUGACH ELECTRIC			.014	172-182	COMMERCIAL		AND ATOMIZING
COOK INLET PROCESSING, INC.	1	SB 7-12-01 ACCB 1-07	10' STAINLESS		COMMERCIAL	LC?	FISH PROCESSING
COOK INLET PROCESSING, INC.	2	SB 7-12-01 ACCB	YES	158-168	COMMERCIAL	LC?	FISH PROCESSING
CROWLEY MARITIME, INC.	1	SB 7-12-21 ACBB 1-03			COMMERCIAL	UNC	RIG TENDERS WELL #1
CROWLEY MARITIME, INC.	2	SB 7-12-21 ACBB 2-03			COMMERCIAL	UNC	RIG TENDERS WELL #2
CROWLEY MARITIME, INC.	3	SB 7-12-21 ABCC 1-14			ABANDONED	UNC	RIG TENDERS WELL #3
CROWLEY MARITIME, INC.	4	SB 7-12-21 ABCC 2-14			ABANDONED	UNC	RIG TENDERS WELL #4
CROWLEY MARITIME, INC.	5	SB 7-12-21 ABCD 1-05	PACKER	103-104	COMMERCIAL	UC	R. T.'S MAIN WELL,
CROWLEY MARITIME, INC.			.050	104-106	COMMERCIAL	UC	USGS R. T.'S WELL
CROWLEY MARITIME, INC.			.020	106-117	COMMERCIAL	UC	#5. LOCATED ON
CROWLEY MARITIME, INC.			.020	117-127	COMMERCIAL	UC	KENAI PIPELINE PRO-
CROWLEY MARITIME, INC.			.020	127-137	COMMERCIAL	UC	PERTY, BUT MAIN-
CROWLEY MARITIME, INC.			.012	137-147	COMMERCIAL	UC	TAINED BY PUGET
CROWLEY MARITIME, INC.			.012	147-158	COMMERCIAL	UC	SOUND TUG & BARGE.
CROWLEY MARITIME, INC.	6	SB 7-12-21 ACBA 1-04	PACKER	123-123+	COMMERCIAL	UC	ABANDONED? LOCATED
CROWLEY MARITIME, INC.			.050	123+-133		UC	ON KENAI PL. LAND,
CROWLEY MARITIME, INC.			.016	133-152	COMMERCIAL	UC	P.S.T. & B. MAINTND.
CROWLEY MARITIME, INC.	?	SB 7-12-21 ABBC 1-02			DOMESTIC	LC	COMPANY RESIDENCE
KENAI PIPELINE	1	SB 7-12-16 ADDB 1-07	.020	79-87	DOMESTIC	UC?	POTABLE USES
KENAI PIPELINE			PERF.	201-208		LC?	
KENAI PIPELINE			OPEN H.	240-260	INDUSTRIAL	DC?	
KENAI PIPELINE	2	SB 7-12-21 ABDC 1-06	PERF.	82-87	ABANDONED	UC?	ABANDONED?
KENAI PIPELINE	3	SB 7-12-21 ABBB 2-07	.020	69-79	INDUSTRIAL	UC?	RESIDENCE
OFFSHORE SYSTEMS	1	SB 8-12-36 CAAA PAD 3	.035	139-154	COMMERCIAL	UC?	BARGED TO PLATFORMS
OFFSHORE SYSTEMS	2	SB 8-12-36 CAAD	.030	161-166	COMMERCIAL	UC?	UNKNOWN USE
OFFSHORE SYSTEMS			.025	166-171			
OFFSHORE SYSTEMS			.020	171-181			
OFFSHORE SYSTEMS			.018	181-186			
OFFSHORE SYSTEMS	4	SB 8-12-36 ACCD PAD 2	PERF.	15-18	COMMERCIAL	UNC	WATER TO OFFICE

Appendix E. Well data for Nikiski Industrial Area water use, continued.

Facility Name	Well Number	USGS Number	Screen size (inches)	Screened interval (feet)	Water use type	Type of aquifer	Remarks
PHILLIPS PETROLEUM CO.	1	SB 7-12-22 CBAA 2-02	.036	125-133	INDUSTRIAL	UC	LNG PLANT
PHILLIPS PETROLEUM CO.			.018	133-143		UC	ON STANDBY BECAUSE
PHILLIPS PETROLEUM CO.			.036	143-145		UC	OF POTENTIAL
PHILLIPS PETROLEUM CO.			.065	145-148		UC	CONTAMINATION
PHILLIPS PETROLEUM CO.			.035	148-150		UC	T=40,000 GPD/FT
PHILLIPS PETROLEUM CO.			.018	160-180		UC	S=.0008
PHILLIPS PETROLEUM CO.			.018	205-215		LC	
PHILLIPS PETROLEUM CO.	2	SB 7-12-22 CBBD 2-05	PERF.	196-210	INDUSTRIAL	UC	ON STANDBY BECAUSE
PHILLIPS PETROLEUM CO.			PERF.	216-220		UC	OF POTENTIAL
PHILLIPS PETROLEUM CO.			PERF.	226-230		UC	CONTAMINATION
PHILLIPS PETROLEUM CO.			PERF.	249-254		LC	
PHILLIPS PETROLEUM CO.	3	SB 7-12-22 CBBD 3-05	.080	289-294	INDUSTRIAL	LC	CURRENTLY USED
PHILLIPS PETROLEUM CO.			.010	294-305		LC	
PHILLIPS PETROLEUM CO.			.080	305-308		LC	
SHELL WESTERN	1	SB 8-12-34 DCDB			COMMERCIAL	?	INCINERATOR COOLING
SHELL WESTERN	2	SB 8-12-34 DDDB 1-01	.030	146-156	DOMESTIC	UC?	COMPANY RESIDENCES
TESORO	1	SB 7-12-22 BCAA 2-09	.040	92-102	INDUSTRIAL	UC	WELL #1, BACKUP
TESORO			.010	120-124		UC	
TESORO			.018	124-126		UC	
TESORO			.035	126-129		UC	
TESORO			.040	130-134		UC	
TESORO			.012	134-140		UC	
TESORO	2	SB 7-12-22 BDAB 2-08		110-119	INDUSTRIAL	UC	MAIN WELL, #2
UNOCAL	1	SB 7-12-21 DDBC 2-08	.180	340-370	INDUSTRIAL	LC	WELL #1, TANNIC ACID
UNOCAL	5B	SB 7-12-22 CCAA			INDUSTRIAL	LC	WELL #5B, TANNIC ACID
UNOCAL	6	SB 7-12-21 ADDD 2-09	.125	101-136	INDUSTRIAL	UC	WELL #6, PLUME NEAR
UNOCAL			.035	136-151	INDUSTRIAL	UC	METERED UNIQUELY
UNOCAL	7P	SB 7-12-26 BAAA 8-03		132-157	INDUSTRIAL	UC	WELL #7P, CABIN LAKE
UNOCAL					DRINKING	UC	WELLS 7P, 15, & 16
UNOCAL						UC	METERED TOGETHER
UNOCAL	10	SB 7-12-26 BADD	.070	39-47	INDUSTRIAL	UNC	WELL #10, HIGH IRON
UNOCAL			.050	57-62		UNC	WELLS 10, 12, & 14
UNOCAL			.015	62-72		UNC	METERED TOGETHER,
UNOCAL			.030	72-75		UNC	SYSTEM CONNECTED
UNOCAL	12	SB 7-12-26 BADB 1-01	.050	48-62	INDUSTRIAL	UNC	WELL #12, HIGH IRON
UNOCAL			.070	62-64		UNC	WELLS 10, 12, & 14
UNOCAL			.100	64-68		UNC	EMERGENCY BACKUP
UNOCAL	14	SB 7-12-26 BAAA			INDUSTRIAL	UNC	WELL #14, HIGH IRON
UNOCAL	15	SB 7-12-26 BAAB	.025	117-145	INDUSTRIAL	UC	WELL #15, BACKUP TO
UNOCAL					DRINKING	UC	WELL 7P
UNOCAL						UC	
UNOCAL	16	SB 7-12-23 CDDC	.100	110-136	INDUSTRIAL	UC	WELL #16, BACKUP TO
UNOCAL					DRINKING	UC	WELL 7P
UNOCAL						UC	

# Appendix F. Alaska Water-Use Cross Reference, 1993.

FILE NUMBER	FACILITY NAME	WATER SOURCE
ADL 5649	Eklutna Utilities, Inc.	Eklutna Gate Water System
ADL 39747	Kodiak, City of	Pillar Creek
ADL 39829	Cook Inlet Processing	Well
ADL 39835	Port Lions, City of	Branchwater Creek
ADL 39886	Chugach Electric Assoc. Inc	Cooper Lake
ADL 39936	Seward, City of	Ft. Raymond Well #5
ADL 39936	Seward, City of	Ft. Raymond Well #4
ADL 39936	Seward, City of	Ft. Raymond Well #3
ADL 39936	Seward, City of	Ft. Raymond Well #2
ADL 40315	Soldotna, City of	Well 8
ADL 42514	UNOCAL Chemicals Division	Well 7, 15, and 16
ADL 42595	King Cove, City of	Ram Creek
ADL 42906	Tesoro Alaska Petroleum	Well 2
ADL 42906	Tesoro Alaska Petroleum	Well 1
ADL 42983	Phillips Petroleum Co.	PW 3, 264' Well
ADL 42993	Nome, City of	Moonlight Springs - Nat'l Guard Arm
ADL 42993	Nome, City of	Moonlight Springs - WTP
ADL 42993	Nome, City of	Moonlight Springs - FAA
ADL 42993	Nome, City of	Moonlight Springs - Anvil Mt.
ADL 42993	Nome, City of	Moonlight Springs - Beltz H.S.
ADL 43340	Yakutat, City of	PHS & Reindeer Power Plant
ADL 43340	Yakutat, City of	Main Well, A, 325'
ADL 44121	Saxmen, City of	Back-up (ARCO) Well
ADL 44439	Juneau, City and Borough	Saxman Creek
ADL 44626	Anchorage Water & Wastewater Utl.	Wells 1, 2, 4, 5 & 3 Bypass
ADL 44626	Anchorage Water & Wastewater Utl.	Well # 4, Commercial Drive
ADL 44626	Anchorage Water & Wastewater Utl.	Girdwood Wells
ADL 44626	Anchorage Water & Wastewater Utl.	Well # 3, 3rd Ave.
ADL 45780	Alaska Electric Light & Power	Lower Salmon Creek
ADL 45839	U.S.D.O.T. F.A.A. Elmendorf A.F.B.	Wells 1, 2 & 3
ADL 46054	Dillingham, City of	Wells 1, 2, & 3
ADL 46364	Scammon Bay, Village of	Lines 1 and 2
ADL 50906	Anchorage Water & Wastewater Utl.	Well #20, Creekside Park
ADL 51573	Anchorage Water & Wastewater Utl.	Eagle River #4, Eagle River Mts. N.
ADL 52342	Soldotna, City of	Well A
ADL 53282	Kenai, City of	Well #2
ADL 53282	Kenai, City of	Well #1
ADL 53813	Fairbanks, City of	Fire Well #3
ADL 53813	Fairbanks, City of	Well #3
ADL 53813	Fairbanks, City of	Well #2
ADL 53813	Fairbanks, City of	Well #1
ADL 54850	Anchorage Water & Wastewater Utl.	Well #11B, Chugach Foothills
ADL 54850	Anchorage Water & Wastewater Utl.	Well #25, Military #1
ADL 54850	Anchorage Water & Wastewater Utl.	Well #10A, Chugach Foothills
ADL 62346	Craig, City of	Sunnahae Mt. Spring
ADL 62346	Craig, City of	North Fork Lake
ADL 65557	U.S.D.O.T. F.A.A. Elmendorf A.F.B.	Ship Creek Surface Waters
ADL 65787	Anchorage Water & Wastewater Utl.	Well # 7, 40th Ave. & Denali St.

# Appendix F. Alaska Water-Use Cross Reference, 1993.

FILE NUMBER	FACILITY NAME	WATER SOURCE
ADL 66117	British Petroleum	Big Lake
ADL 67201	Anchorage Water & Wastewater Utl.	Well # 9, Centennial Park
ADL 67278	Alaska Energy Authority	Solomon Gulch Hydro Generation
ADL 67781	ARCO Alaska, Inc.	Webster Reservoir
ADL 74176	Chugiak Utilities, Northwoods Inc.	225' Well
ADL 75895	Elim, Village of	Well
ADL 75902	Noorvik, Village of	Kobuk River
ADL 75902	North Pole, City of	Well
ADL 75979	British Petroleum	Kuparuk Reservoirs 1-3
ADL 75979	British Petroleum	Kuparuk Reservoirs 4-5
ADL 75980	Grayling, Village of	29' Well
ADL 76071	Tatitlek, Village of	Pumphouse
ADL 78075	UNOCAL Chemicals Division	Well 1 and 58
ADL 100066	Juneau, City and Borough	Well #3
ADL 100113	Alaska Energy Authority	Swan Lake Hydro Generation
ADL 100887	Alaska Energy Authority	Tyee Lake Hydro Generation
ADL 201324	Palmer, City of	Well #1, 624'
ADL 201324	Palmer, City of	Well #2
ADL 201555	Anchorage Water & Wastewater Utl.	Well #35, ALAGCO
ADL 201559	Alaska Energy Authority	Terror Lake Hydro Generation
ADL 201920	Anchorage Water & Wastewater Utl.	Well #29, Service Hanshew H.S.
ADL 201921	Anchorage Water & Wastewater Utl.	Well #38, Spenard Builders, GALCO
ADL 202997	Anchorage Water & Wastewater Utl.	Well #12, 40th Ave. & B St.
ADL 203480	UNOCAL Chemicals Division	Well 6
ADL 203956	Anchorage Water & Wastewater Utl.	Well #31, Huffman Hills
ADL 206632	Crestbrook Water Association, Inc.	Well
ADL 206983	Soldotna, City of	Well C
ADL 209104	Wasilla, City of	Iditarod Wells, 136' and 154'
ADL 209576	Norfolk Utilities	Well
ADL 209628	Southpark Terrace	Little Rabbit Creek
ADL 209828	Anchorage Water & Wastewater Utl.	Eagle River #8, Eagle Crest
ADL 210813	Eklutna Utilities, Inc.	Eagleridge, Parkview Terrace & East
ADL 210826	Seward, City of	Marathon Creek
ADL 214896	Soldotna, City of	Well D
ADL 401827	Kotzebue, City of	Devil's Lake, Vortac Reservoir
LAS 246	Anchorage Water & Wastewater Utl.	Well #13, Spruce and E. 64th Sts.
LAS 342	Offshore Systems, Inc.	Dutch Harbor, unnamed stream
LAS 636	Anchorage School District	Ravenwood Well
LAS 780	B & J Ventures, Inc.	Well, Snowshoe West
LAS 897	Hoonah, City of	Well #2
LAS 969	McGrath, City of	Kuskokwim River
LAS 1051	Anchorage Water & Wastewater Utl.	Ship Creek
LAS 1117	Royal Pacific Fisheries, Inc.	Well
LAS 1141	Wasilla, City of	Mission Hills Sub Phases 2&3 - Well
LAS 1142	Valdez Fisheries Dev. Assoc., Inc.	Solomon Gulch Warm Water
LAS 1142	Valdez Fisheries Dev. Assoc.,	Solomon Gulch High Pressure

# Appendix F. Alaska Water-Use Cross Reference, 1993.

FILE NUMBER	FACILITY NAME	WATER SOURCE
LAS 1142	Valdez Fisheries Dev. Assoc., Inc.	Solomon Gulch 24" Main
LAS 1145	Kodiak, City of	Monashka Creek
LAS 1312	Prince Wm. Sound Aquaculture, Inc.	Esther Lake Hydro
LAS 1389	Hilltop Ski Area	79' Well
LAS 1541	Wasilla, City of	Lacy Laine Well
LAS 1942	Juneau, City and Borough	New Salmon Creek Tailrace
LAS 1947	Chugiak - Eagle River Industries	180' Well
LAS 2082	Johnson Development	2-101' Wells
LAS 2102	Eagle View Car Wash (W. Ortner)	Well
LAS 2183	Aleut Corp. - Midtown Estates	Well #2
LAS 2184	Aleut Corp. - Midtown Estates	Well #1
LAS 2393	Viewpoint Ventures, Inc. Potter Cr	295' Well
LAS 2394	Unalaska, City of	Wells 1 and 1A
LAS 2394	Unalaska, City of	Unalaska Creek
LAS 2394	Unalaska, City of	Wells 2 and 2A
LAS 2394	Unalaska, City of	Icy (Pyramid) Creek
LAS 2530	Homer Electric Association, Inc.	Well
LAS 2531	Whittier, City of	Well 1, 80'
LAS 2532	Whittier, City of	Well 2, 80'
LAS 2533	Whittier, City of	Well 3, 80'
LAS 2569	Anchorage Water & Wastewater Utl.	Eklutna Lake
LAS 2811	Eklutna Utilities, Inc.	Thunderbird Heights
LAS 2811	Eklutna Utilities, Inc.	Twin Peaks Subdivision
LAS 2836	Alaska Energy Authority	Bradley Lake Hydro Generation
LAS 3017	Palmer, City of	Well #3
LAS 3024	Inlet Salmon (Inlet Fisheries Inc)	Kenai Well
LAS 3445	Cordova Electric Cooperative, Inc.	Humpback Creek
LAS 4070	Homestead Apartments & Trailer Ct.	Homestead Creek
LAS 5204	Wasilla, City of	Spruce Ave Wells, 236' and 240'
LAS 6516	Southcentral Utilities	280' and 543' Wells
LAS 6550	Petersburg Water Treatment Plant	Stream
LAS 6721	Valdez Fisheries Dev. Assoc., Inc.	Solomon Gulch Falls Creek
LAS 7247	Alaska Dept. of Fish & Game	Pillar Creek Hatchery, reservoir
LAS 9731	Hillside Park Homeowner's Assoc.	283' Well
LAS 9889	Palmer, City of	Well #4, 186'
LAS 11215	Soldotna, City of	Well E
LAS 11248	Alaska Dept. of Fish & Game	Big Lake Hatchery, wells 1,2,4&5
LAS 11255	Alaska Dept. of Fish & Game	Big Lake Hatchery, well 7
LAS 11311	Seward, City of	SMIC Well B, Marine Indust. Center
LAS 11311	Seward, City of	SMIC Well A, Marine Indust. Center
LAS 11320	Eek, Village of	Eek River

# Appendix F. Alaska Water-Use Cross Reference, 1993.

FILE NUMBER	FACILITY NAME	WATER SOURCE
LAS 11321	Fort Yukon, Village of	Main Well
LAS 11329	Kasaan, City of	Linkum Creek
LAS 11427	Inlet Salmon (Inlet Fisheries Inc)	Kasilof Well
LAS 11465	Thorne Bay, City of	Water Lake
LAS 11600	U.S.D.O.T. F.A.A. Elmendorf A.F.B.	160 ft well
LAS 11794	Alaska Dept. of Fish & Game	Pillar Creek Hatchery, well
LAS 11795	Sand Point, City of	Humboldt Creek
LAS 11813	Alyeska Pipeline Service Co.	Allison Creek
LAS 11965	Port Graham, Village of	Unnamed Stream, WTP
LAS 12166	ARCO Alaska, Inc.	Not disclosed
LAS 12167	ARCO Alaska, Inc.	Not disclosed
LAS 12168	ARCO Alaska, Inc.	Unnamed Lake
LAS 12169	ARCO Alaska, Inc.	Not disclosed
LAS 12170	ARCO Alaska, Inc.	Not disclosed
LAS 12172	ARCO Alaska, Inc.	Not disclosed
LAS 12173	ARCO Alaska, Inc.	Not disclosed
LAS 12174	ARCO Alaska, Inc.	Unnamed Lake
LAS 12175	ARCO Alaska, Inc.	Not disclosed
LAS 12176	ARCO Alaska, Inc.	Not Disclosed
LAS 12177	ARCO Alaska, Inc.	Not disclosed
LAS 12178	ARCO Alaska, Inc.	Not disclosed
LAS 12179	ARCO Alaska, Inc.	Not disclosed
LAS 12180	ARCO Alaska, Inc.	Not disclosed
LAS 12181	ARCO Alaska, Inc.	Not disclosed
LAS 12182	ARCO Alaska, Inc.	Not disclosed
LAS 12183	ARCO Alaska, Inc.	Not disclosed
LAS 12184	ARCO Alaska, Inc.	Not disclosed
LAS 12186	ARCO Alaska, Inc.	Not disclosed
LAS 12187	ARCO Alaska, Inc.	Not disclosed
LAS 12188	ARCO Alaska, Inc.	Pingo Lake
LAS 12263	Alaska Dept. of Fish & Game	Ft Richardson Hatchery, well 9
LAS 12268	Alaska Power & Telephone Co.	Dewey Lake Hydro Generation
LAS 12424	Inlet Salmon (Inlet Fisheries Inc)	Naknek Well
LAS 12588	University of Alaska	Palmer Exp. Station Well
LAS 12694	U.S.D.A. Forest Service - Tongass	Old Frank's Creek
LAS 12765	Anchor Point Safe Water Corp.	Main Well, 19'
LAS 12953	Offshore Systems, Inc.	Kenai, two 186' Wells
LAS 13202	Hillside Motel & RV (M Morris)	Artesian Well, 20ft
LAS 13290	British Petroleum	DUI PIT # 1
LAS 13485	British Petroleum	Cascade Mine Site B
LAS 13628	British Petroleum	6 Impoundments
LAS 13629	British Petroleum	16 Shallow Lakes
LAS 13630	British Petroleum	Patti Lake, Sag. Site C
LAS 13964	ARCO Alaska, Inc.	PT MAC/AGI
LAS 14042	British Petroleum	Yukon Gold Lakes
LAS 18724	British Petroleum	BADAMI



## Appendix G. Standard Industrial Classification (SIC) code listing

### Standard Industrial Classification (SIC) 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 SERVICES  
DIVISION F WHOLESALE TRADE  
DIVISION G RETAIL TRADE  
DIVISION H FINANCE, INSURANCE & REAL ESTATE  
DIVISION I SERVICES

2. Check the sub-heading as set out under each "division" on the list.

3. Select the title under the sub-heading that 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

0119 Cash Grains (inc. Barley Farms), nec.  
0134 Potatoes  
0139 Field Crops (exc. Cash Grains), nec.  
0160 Vegetables & Melons  
0171 Berry Crops  
0179 Fruit and Tree Nuts, nec.  
0181 Ornamental Nursery Products  
0182 Food Crops Grown Under Cover  
0190 General Farms  
0191 General Farms, Primarily Crop

##### 0200 Agriculture Production - Livestock

0212 Beef Cattle  
0213 Hogs  
0214 Sheep & Goats  
0219 General Livestock, nec.  
0241 Dairy Farms  
0251 Broiler, Fryer and Roaster Chickens  
0252 Chicken Eggs  
0254 Poultry Hatcheries  
0259 Poultry and Eggs, nec.  
0271 Fur Animals & Rabbits  
0272 Horses & Other Equines  
0273 Animal Aquaculture (Finfish, Shellfish Farms)  
0279 Animal Specialties, nec.

0291 General Farms, Primarily Animal

##### 0700 Agricultural Services (inc. Animal, Livestock & Landscape)

0711 Soil Preparation Services  
0721 Crop Planting, Cultivating & Protecting  
0722 Crop Harvesting, Primarily by Machine  
0723 Crop Preparation Services for Market  
**0741 Veterinary Services for Livestock**  
**0742 Veterinary Services for Animal Specialties**  
0751 Livestock Services, exc. Veterinary  
0752 Animal Specialty Services, exc. Veterinary  
0781 Landscape Counseling & Planning  
0782 Lawn & Garden Services  
0783 Ornamental Shrub & Tree Services

##### 0800 Forestry

0811 Timber Tracts  
0831 Forest Nurseries & Gathering of Forest Products  
0851 Forestry Services

##### 0900 Fishing, Hunting & Trapping

**0915 Fish Buyer**  
0921 Fish Hatcheries & Preserves  
0971 Commercial Hunting, Trapping & Game Propagation

#### DIVISION B. MINING

Mining licenses issued through the Department of Revenue

## Appendix G. Standard Industrial Classification (SIC) code listing

1300 Oil & Gas Extraction  
 1311 Crude Petroleum & Natural Gas  
 1320 Natural Gas Liquids  
 1381 Drilling Oil & Gas Wells  
 1382 Oil & Gas Exploration Services  
 1389 Oil & Gas Field Services, nec.

### DIVISION C. CONSTRUCTION

1500 *General Building Contractors*

1700 *Special Trade Construction Contractors*  
 1711 *Plumbing, Heating, Air Conditioning*  
 1799 *Special Trade Contractors, nec.*

1800 *Construction Exempt From Contractor Registration*

### DIVISION D. MANUFACTURING

2000 Food & Kindred Products  
 2010 Meat Products  
 2020 Dairy Products  
 2030 Canned, Frozen & Preserved Fruits, Vegetables & Food Specialties (inc. Jams & Jellies)  
 2040 Grain Mill Products  
 2050 Bakery Products  
 2060 Sugar & Confectionary Products  
 2070 Fats & Oils  
 2082 Malt Beverages  
 2084 Wines, Brandy & Spirits  
 2085 Distilled & Blended Liquors  
 2086 Bottled & Canned Soft Drinks & Carbonated Waters  
 2087 Flavoring Extracts & Syrups, nec.  
 2091 Canned & Cured Seafoods  
 2092 Prepared Fresh or Frozen Fish & Seafood  
 2095 Roasted Coffee  
 2096 Potato Chips, Corn Chips & Similar Snacks  
 2097 Manufactured Ice  
 2099 Food Preparations, nec.

2100 Tobacco Manufacturers

2200 Textile Mill Products  
 2221 Broadwoven Fabric Mills, Manmade Fiber and Silk  
 2241 Narrow Fabric & Other Small Wares Mills; Cotton, Wool, Mohair or Similar Animal Fibers, Silk and Man-made Fibers  
 2250 Knitting Mills  
 2280 Dyeing and Finishing Textiles, exc. Wool, Fabrics & Knit Goods  
 2270 Carpets & Rugs  
 2280 Yarn & Thread Mills  
 2299 Textile Goods, nec.

2300 Apparel & Other Textile Products  
 2310 Mens & Boys Suits, Coats, Overcoats  
 2320 Mens & Boys Furnishings, Work Clothing & Allied Garments

2330 Womens, Misses & Juniors Outerwear  
 2350 Hats, Caps and Millinery  
 2360 Girls, Childrens & Infants Outerwear  
 2371 Fur Goods  
 2380 Misc. Apparel & Accessories  
 2390 Misc. Fabricated Textile Products

2400 Lumber & Wood Products  
 2411 Logging  
 2420 Sawmills & Planing Mills  
 2430 Millwork, Veneer, Plywood & Structural Wood Members (inc. Wood Cabinets)  
 2440 Wood Containers  
 2451 Mobile Homes  
 2452 Prefabricated Wood Buildings & Components  
 2490 Misc. Wood Products  
 2499 Wood Products, nec.

2500 Furniture & Fixtures  
 2510 Household Furniture  
 2520 Office Furniture  
 2540 Partitions, Shelving, Lockers, Office & Store Fixtures  
 2590 Misc. Furniture & Fixtures

2600 Paper & Allied Products  
 2610 Pulp Mills  
 2620 Paper Mills  
 2631 Paperboard Mills  
 2650 Paperboard Containers & Boxes  
 2670 Converted Paper & Paperboard Products, exc. Containers & Boxes

2700 Printing & Publishing  
 2710 Newspapers: Publishing, or Publishing & Printing  
 2720 Periodicals: Publishing, or Publishing & Printing  
 2731 Book Publishing  
 2732 Book Printing  
 2740 Misc. Publishing  
 2750 Commercial Printing  
 2760 Manifold Business Forms  
 2770 Greeting Cards  
 2790 Service Industries for the Printing Trade

2800 Chemicals & Allied Products  
 2810 Industrial Inorganic Chemicals  
 2820 Plastics and Synthetics, exc. Glass  
 2830 Drugs  
 2840 Soaps, Detergents & Cleaning Preparations, Perfumes, Cosmetics & Other Toilet Preparations  
 2850 Paints, Varnishes, Lacquers, Enamels & Allied Products  
 2860 Industrial Organic Chemicals  
 2870 Agricultural Chemicals  
 2890 Misc. Chemical Products

2900 Petroleum Refining and Related Industries  
 2911 Petroleum Refining  
 2950 Asphalt Paving & Roofing Materials

## Appendix G. Standard Industrial Classification (SIC) code listing

2990 Misc. Petroleum & Coal Products

3000 Rubber & Misc. Plastics Products  
 3089 Plastics Products, Not Elsewhere Classified

3100 Leather & Leather Products  
 3111 Leather Tanning & Finishing  
 3130 Boot & Shoe Cut Stock & Findings  
 3140 Footwear, Except Rubber  
 3150 Leather Gloves & Mittens  
 3160 Luggage  
 3170 Handbags & Personal Leather Goods  
 3199 Leather Goods, nec.

3200 Stone, Clay, Glass & Concrete Products  
 3210 Flat Glass  
 3220 Glass & Glass Ware Pressed or Blown  
 3230 Glass Products, Made of Purchased Glass  
 3240 Cement, Hydraulic  
 3250 Structural Clay Products  
 3260 Pottery & Related Products  
 3270 Concrete, Gypsum & Plaster Products  
 3280 Cut Stone & Stone Products  
 3290 Abrasive, Asbestos & Misc. Nonmetallic Minerals Products

3300 Primary Metal Industries

3400 Fabricated Metal Products

3500 Industrial/Commercial Machinery & Computer Equipment  
 3569 General Industrial Machinery and Equipment, nec.  
 3581 Manufacturing of Automatic Vending Machines

3600 Electronic & Other Electrical Equipment & Components, exc. Computer Equipment  
 3661 Telephone and Telegraph Apparatus (mfg. of)

3700 Transportation Equipment  
 3710 Motor Vehicles & Equipment  
 3720 Aircraft & Parts  
 3730 Ship & Boat Building & Repairing  
 3740 Railroad Equipment  
 3750 Motorcycles, Bicycles & Parts  
 3790 Misc. Transportation Equipment

3800 Measuring, Analyzing & Controlling Instruments, Photographic, Medical & Optical Goods; Watches & Clocks  
 3821 Laboratory Apparatus and Furniture  
 3842 Orthopedic, Prosthetic and Surgical Appliances and Supplies  
 3845 Electromedical and Electrotherapeutic Apparatus  
 3482 Small Arms Ammunition  
 3483 Ammunition Loading and Assembling Plants

3900 Misc. Manufacturing Industries  
 3910 Jewelry, Silverware & Plated Ware  
 3930 Musical Instruments

3940 Dolls, Toys, Games & Sporting & Athletic Goods  
 3950 Pens, Pencils & Other Artists Materials  
 3960 Costume Jewelry, Costume Novelties, Buttons & Misc. Notions exc. Precious Metals & Stones  
 3990 Misc. Manufactures Industries  
 3993 Signs and Advertising Specialties  
 3999 Manufacturing Industries, nec.

### DIVISION E. TRANSPORTATION & PUBLIC UTILITIES

4000 Railroad Transportation

4100 Local & Suburban Transit & Interurban Highway Passenger Transportation  
 4110 Local & Suburban Passenger Transportation  
 4119 Local Passenger Transport, nec.  
 4120 Taxicabs  
 4130 Intercity & Rural Bus Transportation  
 4141 Local Bus Charter Service  
 4142 Bus Charter Service, Exc. Local  
 4151 School Buses  
 4170 Terminal & Service Facilities for Motor Vehicle Passenger Transportation

4200 Motor Freight Transportation & Warehousing  
 4210 Trucking & Courier Services, Except Air  
 4220 Public Warehousing & Storage  
 4230 Trucking Terminal Facilities

4300 U.S. Postal Service

4400 Water Transportation  
 4410 Deep Sea Foreign Transportation of Freight  
 4420 Deep Sea Domestic Transportation of Freight  
 4440 Water Transportation of Freight, nec.  
 4481 Deep Sea Transportation of Passengers, exc. by Ferry  
 4482 Ferries  
 4489 Water Passenger Transport, nec.  
 4491 Marine Cargo Handling  
 4492 Towing & Tugboat Services  
 4493 Marinas  
 4499 *Water Transportation Services, nec. (inc. Marine Pilots)*

4500 Air Transportation  
 4512 Air Transportation, Scheduled  
 4513 Air Cargo Services  
 4522 Nonscheduled Air Transportation  
 4581 Airports, Flying Fields & Airport Terminal Services

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

4700 Transportation Services  
 4724 Travel Agencies  
 4725 Tour Operators

## Appendix G. Standard Industrial Classification (SIC) code listing

4729 Arrangement of Passenger Transportation, nec.  
 4730 Arrangement of Transportation of Freight & Cargo  
 4741 Rental of Railroad Cars  
 4780 Misc. Services incidental to Transportation

### 4800 Communication

4810 Telephone Communications  
 4820 Telegraph & Other Message Communications  
 4832 Radio Broadcasting Stations  
 4833 TV Broadcasting Stations  
 4841 Cable & Other Pay Television Services  
 4899 Communication Services, nec.

### 4900 Electric, Gas & Sanitary Services

4911 Electric Services  
 4920 Gas Production & Distribution  
 4930 Combination Electric, Gas & Other Utility Services  
 4940 Water Supply  
 4941 Water Supply/Delivery  
 4952 Sewage Systems  
 4953 Refuse Systems  
 4959 Sanitary Services, nec./Snowplowing  
 4961 Steam & Air Conditioning Supply  
 4971 Irrigation Systems

### DIVISION F. WHOLESALE TRADE

#### 5000 Wholesale Trade - Durable Goods

5012 Automobiles & Other Motor Vehicles  
 5013 Motor Vehicle Supplies & New Parts  
 5014 Tires & Tubes  
 5015 Motor Vehicle Parts, Used  
 5021 Furniture  
 5023 Home Furnishings  
 5031 Lumber, Plywood, Millwork & Wood Panels  
 5032 Brick, Stone & Related Construction Materials  
 5033 Roofing, Siding & Insulation Materials  
 5039 Construction Materials, nec.  
 5040 Professional & Commercial Equipment/Supplies  
 5060 Electrical Goods  
 5070 Hardware, Plumbing & Heating Equipment  
 5080 Industrial Machinery, Equipment & Supplies  
 5091 Sporting & Recreational Goods & Supplies  
 5092 Toys & Hobby Goods & Supplies  
 5093 Scrap & Waste Materials  
 5094 Jewelry, Watches, Precious Stones & Precious Metals  
 5099 Durable Goods, nec.

#### 5100 Wholesale Trade - Nondurable Goods

5110 Paper & Paper Products  
 5122 *Drugs, Proprietarys & Sundries (In-state)*  
 5130 Apparel, Piece Goods & Notions (inc. Footwear)  
 5140 Groceries & Related Products  
 5150 Farm Products Raw Materials  
 5160 Chemicals & Allied Products  
 5170 Petroleum & Petroleum Products  
 5180 Beer, Wine, & Distilled Beverages

5191 Farm Supplies  
 5192 Books, Periodicals & Newspapers  
 5193 Flowers, Nursery Stock & Florists Supplies  
 5194 Tobacco & Tobacco Products  
 5198 Paints, Varnishes & Supplies  
 5199 Nondurable Goods, nec.

### DIVISION G. RETAIL TRADE

#### 5200 Building Materials, Hardware, Garden Supply & Mobile Home Dealers

5211 Lumber & Other Building Materials Dealers  
 5231 Paint, Glass & Wallpaper Stores  
 5251 Hardware Stores  
 5261 Retail Nurseries & Garden Stores  
 5271 *Mobile Home Dealers*

#### 5300 General Merchandise Stores

5311 Department Stores  
 5331 Variety Stores  
 5399 Misc. General Merchandise Stores

#### 5400 Food Stores

5411 Grocery Stores  
 5421 Meat & Fish (Seafood) Markets, inc. Freezer Provisions  
 5431 Fruit & Vegetable Markets  
 5441 Candy, Nut & Confectionery Stores  
 5451 Dairy Products Stores  
 5461 Retail Bakeries  
 5499 Misc. Food Stores

#### 5500 Automotive Dealers & Gasoline Service Stations

5511 *New & Used Motor Vehicle Dealers*  
 5521 *Motor Vehicle Dealers (Used Only)*  
 5531 Auto & Home Supply Stores  
 5541 Gas Service Stations  
 5551 Boat Dealers  
 5561 *Recreational Vehicle Dealers*  
 5571 *Motorcycle Dealers*  
 5599 Automotive Dealers, nec. (inc. Aircraft Sales)

#### 5600 Apparel & Accessory Stores

5611 Mens & Boys Clothing & Accessories  
 5621 Womens Clothing Stores  
 5632 Womens Accessory & Specialty Stores  
 5641 Childrens & Infants Wear Stores  
 5651 Family Clothing Stores  
 5661 Shoe Stores  
 5699 Misc. Apparel & Accessories (inc. Custom Tailors)

#### 5700 Home Furniture, Furnishing & Equipment Stores

5712 Furniture Stores  
 5713 Floor Covering Stores  
 5714 Drapery & Upholstery Stores  
 5719 Misc. Home Furnishings Stores  
 5722 Household Appliance Stores  
 5731 Radio, Television & Consumer Electronics Stores

## Appendix G. Standard Industrial Classification (SIC) code listing

5734	Computer & Computer Software Stores	6200	Security & Commodity Brokers, Dealers Exchanges & Services
5735	Record & Pre-recorded Tape Stores	6211	Security Brokers, Dealers & Flotation Companies
5736	Musical Instrument Stores	6221	Commodity Contracts Brokers & Dealers
5800	Eating & Drinking Places	6231	Security & Commodity Exchanges
5812	Eating Places	6282	Investment Advice
5813	Drinking Places (Alcoholic Beverages)	6289	Services Allied With the Exchange of Securities & commodities, nec.
5900	Miscellaneous Retail	6500	Real Estate
5912	<i>Drug &amp; Proprietary Stores (In and out-of-state retail)</i>	6512	Nonresidential Building Operators
5921	Liquor Stores	6513	Apartment Building Operators
5932	Used Merchandise Stores	6514	Dwelling Operators, exc. Apt.
5941	Sporting Goods Stores & Bicycle Shops	6515	Mobile Home Site Operators
5942	Book Stores	6519	Lessor of Real Property, nec.
5943	Stationery Stores	6531	<i>Real Estate Agents &amp; Managers</i>
5944	Jewelry Stores	6532	Appraisers
5945	Hobby, Toy & Game Shops	6541	Title Abstract Offices
5946	Camera & Photographic Supply Stores	6550	Subdividers & Developers
5947	Gift, Novelty & Souvenir Shops	6700	Holding & Others Investment Offices
5948	Luggage & Leather Goods Stores	6712	Office of Bank Holding Companies
5949	Sewing, Needlework & Piece Goods	6719	Holding Offices, nec.
5961	Catalog & Mail Order Houses	6722	Management Investments Offices, Open-End
5962	Automatic Vending Machine Operators	6726	Unit Investment Trusts, Face-Amount Certificate Offices, & Closed-End Management & Investments Offices
5963	Direct Selling Organizations	6732	Education, Religious & Charitable Trusts
5983	Fuel Oil Dealers	6733	Trusts, nec.
5984	Liquefied Petroleum Gas (Bottled) Dealers	6792	Oil Royalty Traders
5989	Fuel Dealers, nec (inc. Retail Coal & Fuel Wood Dealers)	6798	Real Estate Investment Trusts
5992	Florists	6799	Investors, nec.
5993	Tobacco Stores & Stands		
5994	News Dealers & News Stands		
5995	Optical Goods Stores		
5999	Misc. Retail Stores, nec. e(inc. Art Galleries)		
<b><u>DIVISION H. FINANCE, INSURANCE &amp; REAL ESTATE</u></b>			
6000	Depository Institutions	7000	Hotels & Other Lodging Places
6011	Federal Reserve Banks	7011	Hotels, Motels & Tourist Courts
6019	Central Reserve Depository Institutions, nec. (inc. Federal Home Loan Banks)	7021	Rooming & Boarding Houses
6021	National Commercial Banks	7032	Sporting & Recreational Camps
6022	State Commercial Banks	7033	Recreational Vehicles Parks & Campsites
6029	Commercial Banks, nec.	7041	Hotels & Lodging Houses Operated by Membership Organizations
6035	Savings Institutions, Federally Chartered	7200	Personal Services
6036	Savings Institutions, Not Federally Chartered	7211	Power Laundries, Family & Commercial
6061	Credit Unions, Federally Chartered	7212	Garment Pressing
6062	Credit Unions, Not Federally Chartered	7213	Linen Supply
6080	Foreign Banks	7215	Coin-op Laundry & Cleaning
6091	Nondeposit Trust Facilities	7216	Dry Cleaning Plants, Except Rug
6099	Depository Banking Functions, nec.	7217	Carpet & Upholstery Cleaning
6100	Nondepository Credit Institutions	7218	Industrial Launderers
6111	Federally Sponsored Credit Agencies	7219	Laundry & Garment Services, nec.
6141	Personal Credit Institutions	7221	Photo Studios, Portrait
6150	Business Credit Institutions	7231	<i>Beauty Shops</i>
6162	Mortgage Bankers & Loan Correspondents	7241	<i>Barber Shops</i>
6163	Loan Brokers	7251	Shoe Repair
		7261	<i>Funeral Services &amp; Crematories</i>
		7291	Tax Return Preparation Services

## Appendix G. Standard Industrial Classification (SIC) code listing

7299	Misc. Personal Services, nec.	7929	Bands, Orchestras, Actors & Others Entertainers & Entertainment Groups
7300	Business Services	7933	Bowling Centers
7311	Advertising Agency	7940	Commercial Sports
7312	Outdoor Advertising Service	7991	Physical Fitness Facilities
7313	Radio, Television & Publishers Advertising Representatives	7992	Public Golf Courses
7319	Advertising, nec.	7993	Coin-op Amusement Devices
7322	<i>Adjustment &amp; Collection Services</i>	7996	Amusement Parks
7323	Credit Reporting Services	7997	Membership Sports & Recreation Clubs
7331	Direct Mail Advertising Services	7999	Amusement, Recreation Services, nec. ( <i>Inc. Guide-Outfitters</i> ) and Charter Fishing and Charitable Gaming
7334	Photocopying & Duplicating Services		
7335	Commercial Photography	8000	Health Services
7336	Commercial Art & Graphic Design	8011	<i>Offices &amp; Clinics of Physicians</i>
7338	Secretarial & Court Reporting Services	8021	<i>Offices &amp; Clinics of Dentists</i>
7342	Disinfecting & Pest Control Services	8031	<i>Offices &amp; Clinics of Osteopathic Physicians</i>
7349	Building Maintenance Services, nec.	8041	<i>Offices &amp; Clinics of Chiropractors</i>
7350	Misc. Equipment Rental & Leasing	8042	<i>Offices &amp; Clinics of Optometrists</i>
7361	Employment Agencies	8043	<i>Offices &amp; Clinics of Podiatrists</i>
7363	Help Supply Services	8049	<i>Offices of Health Practitioners, nec.</i>
7370	Computer & Data Processing Services	8051	<i>Skilled Nursing Care Facilities</i>
7381	Detective & Protective Services	8052	<i>Intermediate Care Facilities</i>
7382	Security Systems Services	8059	<i>Nursing &amp; Care Facilities</i>
7383	News Syndicates	8060	Hospitals
7384	Photofinishing Labs	8062	General Medical & Surgical Hospitals
7389	Business Services, nec.	8063	Psychiatric Hospitals
7500	Auto Repair Services & Garages	8069	Specialty Hospitals, exc. Psychiatric
7513	Truck Rental & Leasing	8071	Medical Laboratories
7514	Passenger Car Rental	8072	Dental Laboratories
7515	Passenger Car Leasing	8082	Home Health Care Services
7519	Utility Trailer & Recreational Vehicle Rental	8092	Kidney Dialysis Centers
7521	Automobile Parking	8093	Specialty Outpatient Facilities, nec.
7530	Auto Repair Shops	8099	Health & Allied Services, nec.
7536	Automotive Glass Replacement Shops		
7542	Car Washes	8111	<i>Legal Services</i>
7549	Auto Services, Except Repair & Car Washes		
7600	Misc. Repair Services	8200	Educational Services
7622	Radio & Television Repair Shops	8211	Elementary & Secondary Schools
7623	Refrigeration & Air Conditioning Service & Repair Shops	8221	Colleges, Universities & Professional Schools
7629	Electronic & Electrical Repair Shops, nec.	8222	Junior Colleges & Technical Institutes
7631	Watch, Clock & Jewelry Repair	8231	Libraries & Information Centers
7641	Reupholstery & Furniture Repair	8243	Data Processing Schools
7692	Welding Repair	8244	Business & Secretarial Schools
7699	Repair Shops & Related Services, nec.	8249	Vocational Schools, nec.
7800	Motion Pictures	8299	Schools & Educational Services, nec.
7812	Motion Picture & Video Tape Production		
7819	Services Allied to Motion Pictures	8300	Social Services
7820	Motion Picture Distribution & Services	8322	Individual & Family Services
7832	Motion Picture Theaters, exc. Drive-ins	8331	Job Training & Related Services
7833	Drive-In Motion Picture Theaters	8351	Child Care Services
7841	Video Tape Rental	8361	Residential Care
		8399	Social Services, nec.
7900	Amusement & Recreation Services	8400	Museums, Art Galleries & Botanical & Zoological Gardens
7911	Dance Halls, Studios & Schools		
7922	Theatrical Producers & Misc. Theatrical Services	8600	Membership Organizations

## Appendix G. Standard Industrial Classification (SIC) code listing

8611	Business Associations	<b><u>DIVISION J. PUBLIC ADMINISTRATION</u></b>
8621	Professional Organizations	9100 Executive, Legislative & General
8631	Labor Organizations	9200 Justice, Public Order & Safety
8641	Civic, Social & Fraternal Associations	9300 Finance, Taxation & Monetary Policy
8651	Political Organizations	9400 Administration of Human Resources
8661	Religious Organizations	9500 Environmental Quality & Housing
8699	Member Organizations, nec.	9600 Administration of Economic Programs
8700	Engineering, Accounting, Research, Management & Related Services	9700 National Security & Intl. Affairs
8711	<i>Engineering Services</i>	<b><u>DIVISION K. NONCLASSIFIABLE ESTABLISHMENTS</u></b>
8712	<i>Architectural Services</i>	9900 Nonclass Establishments
8713	<i>Surveying Services</i>	
8721	<i>Accounting &amp; Auditing Services (C.P.A.s)</i>	
8722	Bookkeeping Services	
8730	Research Development & Testing Services	
8732	Commercial Economic, Sociological and Educational Research	
8733	Noncommercial Research Organization	
8740	Management and Public Relations Services	
8741	Management Services	
8742	Management Consulting Services	
8743	Public Relations Services	
8744	Facilities Support Management Services	
8748	Business Consulting Services, nec.	
8800	Private Households (Domestic Services)	
8811	Private Households Employing Domestic Service Workers	
8999	Misc. Services, nec. (Artists, Writers)	