Table B–9. Counties — **Manufacturing and Water Use**

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use– (mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
UNITED STATES	363 753	33.1	16 888 016	572 101.1	12 124 001	339 723.0	1 826 590.0	3 842 061.4	398 514	19.4	133 626	39 779	22 367	101 052
ALABAMA	5 444	38.4	352 618	10 187.8	275 637	6 928.4	29 221.5	67 970.1	7 097	6.3	139	813	733	532
Autauga	38	36.8	2 130	69.2	1 582	45.1	152.5	366.4	40	18.9	Z	5	34	9
Baldwin	138	21.7	5 150	127.1	4 130	80.0	366.4	809.5	42	88.4	25	12	Z	31
Barbour	41	53.7	3 680	93.0	2 783	58.8	276.3	689.7	15	44.3	8	5	1	11
Bibb	27	63.0	1 218	23.9	975	19.4	130.5	244.3	3	75.3	–	2	–	1
Blount	60	21.7	2 742	49.5	2 451	42.0	272.5	403.5	51	7.1	Z	49	–	2
Bullock	6	33.3	(4)	D	D	D	D	D	5	40.1	2	2	–	3
Butler	27	55.6	2 044	41.9	1 799	33.6	142.7	305.5	4	75.1	–	2	Z	2
Calhoun	149	43.6	10 841	257.8	8 573	178.4	718.0	1 504.5	26	86.6	2	22	1	5
Chambers	40	57.5	5 612	147.2	4 947	121.7	266.4	765.8	13	2.9	Z	6	6	2
Cherokee	21	28.6	1 194	25.4	1 048	20.7	41.1	121.2	6	12.4	4	2	–	5
Chilton	54	37.0	1 488	30.3	1 181	21.4	66.0	162.1	6	62.4	Z	3	Z	2
Choctaw	12	50.0	(5)	D	D	D	D	D	52	5.7	–	1	48	4
Clarke	32	46.9	2 888	82.7	2 391	59.0	198.5	540.1	26	6.9	–	3	22	6
Clay	15	40.0	2 789	49.6	2 365	33.4	96.4	212.4	3	27.5	–	1	–	1
Cleburne	10	50.0	1 108	19.9	850	15.3	48.1	175.1	3	68.2	–	1	1	1
Coffee	39	35.9	4 725	89.8	3 828	63.6	279.0	679.8	16	44.2	8	5	1	11
Colbert	118	28.0	5 581	205.8	4 236	141.0	195.0	1 491.6	91	5.6	6	8	57	9
Conecuh	21	47.6	821	17.0	642	10.1	39.6	98.8	2	91.9	–	2	–	1
Coosa	11	54.5	978	22.3	824	18.4	54.0	123.1	1	29.0	–	Z	–	1
Covington	30	50.0	3 872	83.5	3 504	71.2	162.2	388.0	12	43.9	1	4	1	4
Crenshaw	15	46.7	830	9.6	684	6.6	16.8	26.1	3	84.1	Z	2	–	1
Cullman	123	31.7	5 994	147.4	4 778	99.8	338.4	964.1	20	7.8	–	14	3	6
Dale	26	30.8	1 254	23.0	891	14.2	32.0	70.0	14	84.4	2	5	–	6
Dallas	53	50.9	5 336	137.6	4 240	92.5	457.4	1 064.8	57	19.2	Z	8	38	14
DeKalb	216	46.3	11 774	237.3	10 267	177.3	537.9	1 286.0	10	36.5	Z	6	1	4
Elmore	51	27.5	2 340	57.1	1 765	31.1	131.4	280.3	6	51.4	1	4	–	2
Escambia	53	32.1	3 145	79.5	2 666	59.6	362.4	689.5	49	23.6	4	5	37	14
Etowah	136	34.6	8 775	277.0	6 778	184.5	679.0	1 577.0	265	1.8	9	21	93	26
Fayette	33	42.4	2 617	55.9	2 246	44.9	126.8	372.0	3	28.8	–	2	–	1
Franklin	64	35.9	5 348	97.0	4 532	73.2	174.7	645.8	5	38.8	Z	3	–	2
Geneva	26	30.8	2 123	34.1	1 933	28.9	79.2	171.1	4	72.1	Z	2	–	2
Greene	NA	NA	NA	NA	NA	NA	NA	NA	320	.6	–	1	–	11
Hale	16	56.3	1 443	28.5	1 246	19.8	82.1	210.0	39	15.3	Z	2	–	37
Henry	18	44.4	1 410	33.9	1 196	24.5	142.6	382.5	9	30.8	7	1	Z	8
Houston	125	37.6	9 233	231.9	7 254	156.3	667.7	1 457.7	120	25.8	14	18	–	18
Jackson	83	31.3	6 557	182.4	5 319	136.1	479.9	1 253.5	1 302	.1	1	8	4	6
Jefferson	817	35.5	35 972	1 168.7	25 373	723.6	3 194.7	7 475.6	92	19.6	1	56	Z	35
Lamar	22	54.5	2 589	61.3	2 100	46.1	142.1	313.4	4	85.0	–	2	1	2
Lauderdale	115	33.9	7 545	169.9	6 301	124.1	412.5	885.1	16	14.7	Z	14	–	4
Lawrence	29	31.0	(5)	D	D	D	D	D	62	1.8	1	2	56	9
Lee	88	44.3	7 016	194.9	5 906	146.8	665.6	1 232.9	19	16.4	1	13	2	6
Limestone	69	43.5	6 780	309.0	5 999	270.2	858.7	1 321.0	792	.7	9	4	–	14
Lowndes	10	40.0	(4)	D	D	D	D	D	9	19.7	6	1	–	8
Macon	NA	NA	NA	NA	NA	NA	NA	NA	7	14.9	2	3	–	4
Madison	335	33.7	28 280	1 079.1	17 934	608.7	2 813.0	6 991.7	54	53.7	1	48	1	10
Marengo	18	61.1	1 701	54.1	1 366	38.6	201.4	404.8	32	14.4	–	2	27	6
Marion	53	58.5	6 423	154.8	5 103	104.9	458.7	964.2	7	16.1	–	5	–	2
Marshall	152	48.7	15 773	338.5	13 341	244.6	1 002.5	2 616.7	22	24.7	Z	19	1	5
Mobile	445	33.5	22 130	835.3	15 383	523.1	2 549.6	5 494.8	1 106	2.7	5	154	4	39
Monroe	28	53.6	4 748	165.0	3 718	115.0	514.7	1 094.0	64	9.9	1	5	57	8
Montgomery	214	38.3	11 343	299.4	8 019	183.1	1 041.2	2 024.6	60	58.0	1	55	1	10
Morgan	214	38.8	(6)	D	D	D	D	D	140	6.5	Z	29	108	8
Perry	8	62.5	926	21.7	775	16.2	46.2	96.9	8	41.7	–	1	–	7
Pickens	21	52.4	1 051	18.3	958	15.1	46.1	113.7	6	61.6	2	3	Z	4
Pike	32	50.0	2 302	47.1	1 991	36.6	126.4	356.1	12	59.5	6	4	–	8
Randolph	28	35.7	2 322	39.0	1 998	32.6	97.5	218.5	2	67.7	–	Z	–	2
Russell	49	38.8	3 295	107.8	2 757	80.7	540.6	1 000.4	34	4.8	1	8	25	4
St. Clair	85	37.6	3 180	85.1	2 536	56.1	190.8	480.2	9	91.5	Z	7	–	3
Shelby	158	41.1	6 076	174.8	4 670	116.8	436.6	876.6	720	2.2	2	14	–	11
Sumter	15	53.3	832	17.4	618	12.6	38.5	89.4	10	7.2	–	2	–	7
Talladega	100	44.0	7 160	201.1	5 984	150.1	582.1	1 420.6	77	11.3	1	12	61	8
Tallapoosa	53	64.2	5 868	112.8	5 278	91.0	343.8	1 074.8	13	5.7	1	11	–	4
Tuscaloosa	160	35.6	10 738	378.9	8 500	266.2	926.4	2 557.9	37	14.8	1	25	3	10
Walker	72	25.0	1 709	32.8	1 376	21.8	126.8	381.3	907	.2	Z	52	–	11
Washington	12	41.7	(5)	D	D	D	D	D	86	10.9	Z	1	17	6
Wilcox	12	41.7	(5)	D	D	D	D	D	43	4.3	1	21	20	6
Winston	87	48.3	6 573	135.8	5 465	95.4	301.3	838.7	3	58.1	–	1	–	1

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 1,000 to 2,499 employees. [6] 10,000 to 24,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use–(mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
ALASKA	488	20.9	10 770	331.2	8 805	238.2	1 159.3	3 305.0	329	40.3	1	81	57	35
Aleutians East	2	100.0	(4)	D	D	D	D	D	3	NA	–	1	3	1
Aleutians West	8	75.0	(5)	D	D	D	D	D	3	NA	–	3	–	Z
Anchorage	187	13.9	2 022	62.9	1 459	38.8	157.8	322.3	45	39.0	–	36	Z	5
Bethel	NA	NA	NA	NA	NA	NA	NA	NA	Z	NA	–	Z	–	Z
Bristol Bay	NA	NA	NA	NA	NA	NA	NA	NA	Z	100.0	–	Z	Z	Z
Denali	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	–	Z	–	2
Dillingham	NA	NA	NA	NA	NA	NA	NA	NA	Z	NA	–	Z	–	Z
Fairbanks North Star	NA	NA	NA	NA	NA	NA	NA	NA	32	40.5	Z	7	Z	3
Haines	NA	NA	NA	NA	NA	NA	NA	NA	1	3.9	–	Z	–	Z
Juneau	NA	NA	NA	NA	NA	NA	NA	NA	5	98.7	–	4	Z	1
Kenai Peninsula	56	21.4	1 246	56.7	977	41.8	283.0	1 027.0	9	88.6	Z	4	3	2
Ketchikan Gateway	18	38.9	762	31.1	579	21.5	27.5	131.3	54	–	–	4	50	8
Kodiak Island	25	52.0	1 576	35.4	1 405	28.6	82.5	204.3	5	4.8	–	5	Z	1
Lake and Peninsula	NA	NA	NA	NA	NA	NA	NA	NA	Z	NA	–	Z	–	Z
Matanuska-Susitna	NA	NA	NA	NA	NA	NA	NA	NA	6	70.1	1	1	Z	1
Nome	NA	NA	NA	NA	NA	NA	NA	NA	1	57.6	–	1	–	Z
North Slope	NA	NA	NA	NA	NA	NA	NA	NA	116	64.0	–	Z	–	9
Northwest Arctic	NA	NA	NA	NA	NA	NA	NA	NA	6	8.5	–	Z	–	1
Prince of Wales-Outer Ketchikan	NA	NA	NA	NA	NA	NA	NA	NA	1	.7	–	1	–	Z
Sitka	NA	NA	NA	NA	NA	NA	NA	NA	5	–	–	5	Z	1
Skagway-Yakutat-Angoon	NA	NA	NA	NA	NA	NA	NA	NA	1	86.2	–	1	–	Z
Southeast Fairbanks	NA	NA	NA	NA	NA	NA	NA	NA	3	12.8	–	Z	–	Z
Valdez-Cordova	NA	NA	NA	NA	NA	NA	NA	NA	5	51.1	–	4	Z	Z
Wade Hampton	NA	NA	NA	NA	NA	NA	NA	NA	Z	66.7	–	Z	–	Z
Wrangell-Petersburg	NA	NA	NA	NA	NA	NA	NA	NA	2	2.1	–	2	–	Z
Yukon-Koyukuk	NA	NA	NA	NA	NA	NA	NA	NA	8	NA	–	Z	–	Z
ARIZONA	4 917	27.9	193 616	6 753.6	121 994	3 000.1	26 898.9	43 030.3	6 830	41.7	5 672	807	39	3 843
Apache	NA	NA	NA	NA	NA	NA	NA	NA	39	63.2	16	5	–	28
Cochise	53	30.2	921	20.9	641	12.4	62.6	153.8	234	97.3	211	12	1	125
Coconino	95	13.7	(5)	D	D	D	D	D	47	45.5	8	17	–	34
Gila	34	17.6	(5)	D	D	D	D	D	43	56.8	15	5	–	27
Graham	NA	NA	NA	NA	NA	NA	NA	NA	176	44.1	173	3	–	89
Greenlee	NA	NA	NA	NA	NA	NA	NA	NA	44	50.8	19	1	–	29
La Paz	NA	NA	NA	NA	NA	NA	NA	NA	629	3.4	627	1	–	341
Maricopa	3 364	29.6	143 683	5 045.0	88 996	2 213.6	22 363.5	32 782.1	2 392	43.1	1 764	588	6	1 356
Mohave	156	21.2	3 807	85.2	3 166	60.8	344.0	760.4	140	98.5	104	15	–	100
Navajo	45	17.8	1 346	44.2	1 130	34.7	100.9	275.9	64	98.4	24	5	16	46
Pima	764	26.2	26 746	1 064.7	15 013	356.9	2 350.1	4 455.2	264	86.2	94	103	16	160
Pinal	74	40.5	4 594	154.8	3 466	101.2	723.9	2 530.6	1 262	39.6	1 205	15	1	645
Santa Cruz	35	25.7	(4)	D	D	D	D	D	15	98.4	11	3	–	9
Yavapai	189	19.0	3 511	91.3	2 625	62.7	262.4	445.8	82	71.6	39	14	–	52
Yuma	66	25.8	3 041	54.6	2 701	42.9	158.0	389.5	1 399	28.0	1 364	22	–	801
ARKANSAS	3 316	37.6	230 153	5 778.4	187 493	4 192.7	19 346.8	45 186.0	8 767	62.2	5 936	381	187	4 761
Arkansas	28	46.4	2 768	66.4	2 160	48.4	140.9	916.2	821	58.4	733	5	–	560
Ashley	24	70.8	3 792	141.7	3 247	114.4	371.5	921.4	135	69.4	77	3	40	69
Baxter	56	23.2	3 185	74.1	2 408	47.7	209.3	350.8	6	30.7	–	4	–	1
Benton	194	37.6	14 220	346.5	11 438	257.9	1 179.6	2 491.8	336	1.6	Z	10	–	9
Boone	67	26.9	2 808	70.4	2 361	53.0	221.4	495.0	5	29.1	Z	3	–	3
Bradley	9	33.3	594	12.5	519	10.3	38.1	90.0	1	94.5	–	1	–	1
Calhoun	NA	NA	NA	NA	NA	NA	NA	NA	1	93.6	–	1	–	Z
Carroll	41	14.6	3 408	62.8	2 548	53.7	283.9	426.5	7	22.1	Z	5	–	2
Chicot	11	45.5	1 019	12.8	968	10.8	21.2	67.1	233	66.7	198	2	–	166
Clark	31	51.6	2 960	64.2	2 659	52.7	153.8	401.1	5	22.7	1	3	1	2
Clay	23	52.2	2 475	42.0	2 256	33.5	97.8	188.6	176	97.8	173	2	–	129
Cleburne	34	29.4	1 687	39.1	1 225	22.1	242.7	367.0	7	17.8	Z	4	–	3
Cleveland	NA	NA	NA	NA	NA	NA	NA	NA	1	87.7	–	1	–	Z
Columbia	39	46.2	2 957	96.6	2 210	65.5	291.3	602.3	6	97.1	–	4	2	1
Conway	23	39.1	2 108	49.4	1 763	37.6	164.3	334.8	29	5.2	5	2	21	7
Craighead	122	36.9	6 886	184.9	5 474	125.9	507.6	1 257.6	350	90.9	337	12	–	252
Crawford	62	38.7	(6)	D	D	D	D	D	16	3.7	Z	14	Z	4
Crittenden	45	51.1	2 323	56.2	1 824	36.6	224.5	620.6	112	99.7	103	10	Z	77
Cross	17	35.3	1 698	37.8	1 500	29.5	78.6	286.0	299	95.2	295	3	–	220
Dallas	15	46.7	786	21.9	710	18.6	51.5	131.3	1	95.8	–	1	–	Z
Desha	16	56.3	1 611	45.1	1 317	32.6	128.8	319.2	330	71.9	281	2	19	226

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 1,000 to 2,499 employees. [6] 2,500 to 4,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use–(mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
ARKANSAS—Con.														
Drew	33	48.5	2 429	51.2	2 098	38.7	102.4	222.0	71	81.5	64	2	–	49
Faulkner	93	34.4	7 556	189.0	5 902	133.2	582.6	1 230.5	12	32.8	1	8	–	5
Franklin	16	56.3	1 284	24.2	1 132	18.7	105.9	216.0	13	7.6	Z	3	–	2
Fulton	NA	NA	NA	NA	NA	NA	NA	NA	74	1.7	Z	Z	–	10
Garland	108	23.1	3 827	100.0	2 823	65.7	258.1	795.5	266	.6	Z	15	2	3
Grant	25	36.0	1 481	42.0	1 229	30.8	142.2	314.6	2	94.7	–	2	Z	1
Greene	47	40.4	5 223	126.6	4 440	95.0	467.9	961.3	154	98.9	149	3	Z	112
Hempstead	32	46.9	3 565	75.9	2 849	51.2	203.6	558.9	9	33.8	–	3	–	3
Hot Spring	47	36.2	1 764	45.3	1 457	34.7	136.1	315.2	8	7.0	4	3	1	4
Howard	26	57.7	5 067	94.5	4 723	82.8	452.6	1 120.2	6	13.2	–	4	1	1
Independence	54	37.0	5 168	123.3	4 318	88.3	468.1	1 013.3	37	51.6	20	7	Z	24
Izard	NA	NA	NA	NA	NA	NA	NA	NA	3	81.9	–	2	–	1
Jackson	23	39.1	1 129	31.5	930	22.2	75.2	199.9	298	95.2	288	2	–	218
Jefferson	84	44.0	7 774	218.8	6 471	167.1	741.1	1 741.5	455	84.4	332	17	76	277
Johnson	39	46.2	3 318	65.1	2 899	53.0	237.6	409.4	4	21.0	Z	3	–	2
Lafayette	NA	NA	NA	NA	NA	NA	NA	NA	33	75.6	28	1	–	24
Lawrence	37	32.4	1 615	31.2	1 412	23.1	127.2	215.5	281	92.1	278	2	–	207
Lee	NA	NA	NA	NA	NA	NA	NA	NA	167	98.4	160	2	–	122
Lincoln	8	25.0	(4)	D	D	D	D	D	151	87.7	147	1	–	111
Little River	16	25.0	(5)	D	D	D	D	D	5	37.3	3	1	–	3
Logan	36	30.6	2 569	44.8	2 084	32.6	162.4	393.0	5	31.1	Z	3	–	3
Lonoke	39	25.6	1 739	45.4	1 376	31.9	143.2	269.8	373	82.2	296	3	1	261
Madison	19	26.3	738	12.8	608	8.7	38.8	170.7	4	44.4	–	2	–	2
Marion	23	30.4	1 847	29.5	1 394	18.7	68.6	133.7	2	19.0	–	1	–	1
Miller	25	32.0	2 274	99.7	1 648	68.0	263.4	495.6	100	10.0	94	5	–	71
Mississippi	62	56.5	7 644	252.7	6 425	201.2	1 123.9	2 801.7	153	97.4	136	9	8	103
Monroe	NA	NA	NA	NA	NA	NA	NA	NA	194	92.6	192	2	–	143
Montgomery	NA	NA	NA	NA	NA	NA	NA	NA	2	41.0	Z	1	Z	1
Nevada	8	25.0	(4)	D	D	D	D	D	2	38.7	–	1	–	1
Newton	NA	NA	NA	NA	NA	NA	NA	NA	1	76.7	Z	Z	–	1
Ouachita	33	51.5	2 961	96.0	2 358	70.4	418.3	854.3	36	4.6	–	4	9	2
Perry	NA	NA	NA	NA	NA	NA	NA	NA	4	13.0	3	1	–	3
Phillips	19	57.9	983	24.1	647	14.3	95.5	411.8	314	44.1	133	5	Z	100
Pike	13	38.5	596	12.0	529	10.2	47.4	121.5	2	46.0	–	1	–	1
Poinsett	27	44.4	1 895	42.5	1 586	32.2	125.4	367.1	501	89.2	479	3	–	365
Polk	29	37.9	1 933	38.2	1 632	30.5	138.8	322.2	5	21.4	Z	3	–	2
Pope	82	37.8	4 940	118.4	4 059	84.4	507.9	1 222.1	980	.3	1	9	–	30
Prairie	NA	NA	NA	NA	NA	NA	NA	NA	297	75.7	256	1	–	212
Pulaski	431	36.0	20 557	572.8	15 210	354.1	1 971.2	4 342.4	86	21.5	23	61	–	26
Randolph	32	28.1	1 688	37.6	1 356	26.9	93.3	190.5	80	74.7	78	1	–	59
St. Francis	27	44.4	1 606	41.1	1 227	26.5	119.4	628.2	201	94.1	193	4	–	146
Saline	72	27.8	1 827	56.8	1 459	40.6	140.2	352.7	10	40.9	Z	6	1	4
Scott	19	31.6	1 367	27.1	1 158	21.2	55.2	220.7	3	35.8	–	1	–	2
Searcy	NA	NA	NA	NA	NA	NA	NA	NA	2	35.2	–	1	–	1
Sebastian	233	43.3	22 891	582.0	18 649	421.6	1 974.2	4 319.3	32	1.3	Z	32	–	7
Sevier	15	40.0	1 985	37.3	1 848	32.1	127.7	402.0	4	30.2	–	3	–	2
Sharp	NA	NA	NA	NA	NA	NA	NA	NA	2	50.0	–	1	–	1
Stone	26	15.4	602	10.4	485	7.2	18.0	39.8	2	27.8	–	1	–	1
Union	63	46.0	5 443	158.1	4 314	110.2	868.8	2 082.2	16	98.9	–	9	6	3
Van Buren	15	20.0	638	12.5	573	10.2	24.5	111.5	3	28.2	–	1	–	1
Washington	193	39.9	14 795	357.1	12 125	261.5	1 071.6	2 388.9	27	14.8	Z	22	–	8
White	75	42.7	4 149	103.3	3 326	72.1	300.4	646.5	114	51.9	102	7	–	81
Woodruff	9	55.6	796	14.0	712	11.9	39.6	78.4	275	92.7	270	1	Z	202
Yell	22	27.3	2 880	52.4	2 609	44.4	99.8	337.7	10	23.6	2	4	–	4
CALIFORNIA	49 418	30.9	1 809 667	65 762.8	1 181 865	31 140.0	195 872.8	379 612.4	45 937	31.9	28 894	5 622	575	25 558
Alameda	2 507	34.4	93 809	3 803.0	60 299	1 914.3	10 363.3	22 337.8	237	18.7	13	215	7	67
Alpine	NA	NA	NA	NA	NA	NA	NA	NA	24	23.2	24	Z	–	24
Amador	51	19.6	732	19.5	552	13.6	67.8	136.8	27	46.2	16	10	–	17
Butte	232	22.8	4 944	128.4	3 939	89.7	377.3	771.6	958	31.8	853	45	–	772
Calaveras	NA	NA	NA	NA	NA	NA	NA	NA	15	26.2	6	5	1	6
Colusa	20	40.0	651	20.8	520	13.7	75.4	265.8	1 049	31.4	1 045	3	Z	839
Contra Costa	723	21.9	19 366	889.0	12 384	499.5	3 831.5	11 644.8	885	15.7	89	135	107	147
Del Norte	NA	NA	NA	NA	NA	NA	NA	NA	20	51.5	16	3	–	16
El Dorado	144	19.4	1 775	56.4	1 342	36.5	134.0	287.9	74	17.0	19	52	Z	29

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 1,000 to 2,499 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
CALIFORNIA—Con.														
Fresno	696	32.9	27 552	704.3	19 949	428.5	2 347.6	5 667.6	3 554	49.4	3 329	169	5	2 654
Glenn	29	31.0	946	29.2	790	23.6	68.0	290.6	848	34.1	840	4	1	687
Humboldt	178	23.6	5 540	161.4	4 628	125.9	454.6	1 041.9	200	43.1	45	37	32	66
Imperial	61	29.5	1 481	40.6	1 202	26.7	94.7	241.6	2 609	3.6	2 570	23	Z	2 308
Inyo	NA	NA	NA	NA	NA	NA	NA	NA	149	48.1	50	3	Z	105
Kern	390	22.6	14 306	379.2	11 322	251.0	1 608.5	2 824.6	2 515	55.9	2 288	146	3	1 805
Kings	65	35.4	2 796	90.6	2 312	68.0	249.6	748.7	1 413	53.7	1 369	26	Z	1 074
Lake	NA	NA	NA	NA	NA	NA	NA	NA	64	81.1	50	6	Z	56
Lassen	NA	NA	NA	NA	NA	NA	NA	NA	301	40.7	294	5	Z	260
Los Angeles	17 915	32.6	622 302	20 311.3	430 159	10 295.1	53 692.0	106 706.4	4 147	18.2	36	1 473	167	490
Madera	94	36.2	3 913	120.8	2 978	84.3	450.6	952.3	981	32.0	949	17	4	773
Marin	341	14.1	4 605	160.0	2 953	78.2	333.1	656.2	41	5.1	1	37	–	12
Mariposa	NA	NA	NA	NA	NA	NA	NA	NA	8	43.9	5	2	Z	5
Mendocino	160	22.5	4 287	124.1	3 182	85.2	374.9	769.3	53	51.4	36	9	3	41
Merced	123	41.5	8 381	198.2	6 660	146.7	665.3	2 431.5	1 688	33.6	1 586	34	5	1 323
Modoc	NA	NA	NA	NA	NA	NA	NA	NA	429	33.6	426	1	–	333
Mono	NA	NA	NA	NA	NA	NA	NA	NA	221	40.7	209	3	–	202
Monterey	302	22.2	7 070	223.7	5 110	132.5	698.4	1 329.4	1 295	43.8	585	41	27	456
Napa	277	30.7	8 466	320.7	4 576	129.0	1 198.8	2 139.7	67	24.6	46	16	1	51
Nevada	174	14.4	2 311	74.1	1 457	37.7	211.2	372.9	41	22.4	26	12	–	28
Orange	5 767	31.7	215 936	7 643.6	142 728	3 654.1	21 157.8	39 134.1	669	62.9	44	440	31	155
Placer	260	20.4	9 244	403.4	4 310	120.5	1 671.3	3 808.4	200	24.6	156	38	2	138
Plumas	23	17.4	643	21.9	559	19.0	54.3	176.7	130	19.0	120	4	4	112
Riverside	1 420	29.8	46 134	1 329.1	34 135	797.6	3 977.1	7 736.0	1 432	26.9	1 028	354	1	1 004
Sacramento	910	25.2	30 493	1 017.0	19 650	483.5	5 233.1	8 939.6	876	39.6	450	330	24	478
San Benito	75	29.3	2 160	64.2	1 662	43.0	162.8	365.3	88	89.1	80	5	Z	62
San Bernardino	1 992	34.3	63 448	1 830.4	49 119	1 179.5	5 517.3	11 618.7	618	68.2	186	313	31	316
San Diego	3 407	28.0	118 868	4 223.5	73 111	1 868.8	10 999.2	22 233.6	3 169	1.9	355	405	12	422
San Francisco	1 247	24.8	25 037	642.4	19 500	392.8	1 998.4	3 978.9	563	1.2	–	95	7	22
San Joaquin	553	38.0	24 646	749.6	19 276	527.2	2 900.8	5 879.1	1 817	44.4	1 674	87	14	1 476
San Luis Obispo	323	21.4	6 322	182.3	4 157	94.4	619.7	1 156.3	2 703	5.7	144	38	–	121
San Mateo	1 019	27.5	34 438	1 649.6	19 609	626.1	4 364.7	6 690.1	111	44.1	10	92	5	36
Santa Barbara	502	26.9	14 985	584.2	8 254	205.1	1 463.9	2 770.4	326	79.8	243	77	Z	209
Santa Clara	3 464	34.6	249 947	13 094.0	116 800	4 149.5	44 011.3	72 528.3	350	68.9	49	248	47	112
Santa Cruz	387	23.0	10 011	315.2	6 213	152.9	1 140.0	2 135.0	72	80.8	42	26	1	38
Shasta	177	18.1	3 526	118.7	2 549	79.5	261.7	635.0	311	38.1	165	49	5	157
Sierra	NA	NA	NA	NA	NA	NA	NA	NA	41	15.7	39	1	Z	37
Siskiyou	41	24.4	1 016	30.1	889	22.3	78.1	207.3	475	24.5	422	9	1	276
Solano	277	30.0	9 175	331.0	6 822	206.5	1 224.0	3 496.4	527	23.8	458	64	2	387
Sonoma	793	27.5	24 209	968.8	15 754	464.9	2 883.7	5 119.8	141	41.3	57	45	2	89
Stanislaus	435	37.5	25 056	823.1	18 871	524.3	3 081.1	6 886.6	1 438	37.8	1 295	65	7	1 130
Sutter	70	22.9	1 589	49.3	1 245	33.0	161.1	354.0	1 054	27.9	1 037	13	1	848
Tehama	48	31.3	2 228	62.9	1 965	53.5	180.7	455.2	400	49.3	330	12	Z	298
Trinity	NA	NA	NA	NA	NA	NA	NA	NA	26	10.4	3	1	Z	3
Tulare	282	35.8	11 439	314.5	8 825	214.6	1 109.6	3 167.3	2 209	55.0	2 082	83	4	1 648
Tuolumne	65	16.9	880	22.5	665	15.3	75.6	155.2	38	9.6	11	6	Z	12
Ventura	1 008	31.8	33 562	1 136.3	22 137	555.5	3 352.4	6 163.4	799	23.4	204	147	6	202
Yolo	175	30.3	6 178	212.0	4 214	116.4	632.0	1 514.9	1 090	32.5	1 045	39	5	820
Yuba	44	34.1	1 203	26.8	981	19.3	78.0	248.2	355	26.1	344	9	–	309
COLORADO	5 480	23.1	173 069	6 176.8	115 308	3 177.7	20 673.0	40 012.8	13 840	16.4	12 735	705	123	5 235
Adams	436	28.2	13 151	428.4	8 926	244.3	1 098.9	3 045.1	132	41.2	76	48	5	58
Alamosa	NA	NA	NA	NA	NA	NA	NA	NA	414	29.0	411	2	Z	171
Arapahoe	549	18.0	18 852	798.0	14 246	514.8	2 992.9	5 017.3	87	29.0	5	73	4	25
Archuleta	NA	NA	NA	NA	NA	NA	NA	NA	48	2.2	46	2	–	17
Baca	NA	NA	NA	NA	NA	NA	NA	NA	106	100.0	104	1	–	50
Bent	NA	NA	NA	NA	NA	NA	NA	NA	426	2.0	425	1	Z	180
Boulder	686	25.7	26 225	1 052.1	15 182	402.0	3 184.3	5 196.3	174	8.1	117	42	4	67
Chaffee	NA	NA	NA	NA	NA	NA	NA	NA	57	3.6	52	4	Z	23
Cheyenne	NA	NA	NA	NA	NA	NA	NA	NA	26	84.3	25	Z	–	22
Clear Creek	NA	NA	NA	NA	NA	NA	NA	NA	7	7.7	–	1	–	1
Conejos	NA	NA	NA	NA	NA	NA	NA	NA	732	3.9	727	3	–	264
Costilla	NA	NA	NA	NA	NA	NA	NA	NA	197	10.7	196	Z	–	66
Crowley	NA	NA	NA	NA	NA	NA	NA	NA	65	7.5	63	1	–	31
Custer	NA	NA	NA	NA	NA	NA	NA	NA	42	1.7	41	Z	–	19

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
COLORADO—Con.														
Delta	NA	NA	NA	NA	NA	NA	NA	NA	704	.9	695	7	Z	179
Denver	976	29.6	26 320	816.2	18 087	456.2	2 525.0	4 867.8	123	9.1	–	90	12	35
Dolores	NA	NA	NA	NA	NA	NA	NA	NA	28	5.5	28	Z	–	12
Douglas	119	23.5	1 941	58.8	1 403	35.7	170.7	289.7	29	43.7	12	13	Z	11
Eagle	43	11.6	502	14.9	383	10.5	37.7	85.3	138	3.7	128	9	Z	27
Elbert	NA	NA	NA	NA	NA	NA	NA	NA	34	75.4	31	1	Z	20
El Paso	499	24.0	21 593	700.6	15 148	358.9	2 966.2	5 698.9	135	17.2	28	101	2	38
Fremont	47	17.0	950	26.8	651	14.2	98.2	146.9	159	2.3	113	9	1	50
Garfield	NA	NA	NA	NA	NA	NA	NA	NA	563	1.7	549	9	Z	112
Gilpin	NA	NA	NA	NA	NA	NA	NA	NA	1	44.2	–	Z	–	Z
Grand	NA	NA	NA	NA	NA	NA	NA	NA	204	.6	201	2	Z	42
Gunnison	NA	NA	NA	NA	NA	NA	NA	NA	286	1.7	283	2	Z	70
Hinsdale	NA	NA	NA	NA	NA	NA	NA	NA	13	.6	13	Z	–	5
Huerfano	NA	NA	NA	NA	NA	NA	NA	NA	91	.3	89	1	–	42
Jackson	NA	NA	NA	NA	NA	NA	NA	NA	401	.2	400	Z	–	139
Jefferson	559	17.4	17 871	803.0	10 584	353.9	2 448.1	3 711.2	97	10.3	8	71	14	28
Kiowa	NA	NA	NA	NA	NA	NA	NA	NA	15	99.3	14	Z	–	9
Kit Carson	NA	NA	NA	NA	NA	NA	NA	NA	166	99.8	163	1	Z	147
Lake	NA	NA	NA	NA	NA	NA	NA	NA	26	9.3	7	3	–	7
La Plata	66	16.7	752	19.3	509	12.1	29.4	51.8	378	1.0	366	6	Z	136
Larimer	384	22.9	15 840	645.0	8 321	256.2	1 995.8	3 890.7	271	17.3	218	41	2	123
Las Animas	NA	NA	NA	NA	NA	NA	NA	NA	121	2.1	112	7	Z	55
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	18	98.9	16	1	–	11
Logan	19	21.1	736	15.2	634	12.4	33.3	163.2	336	29.5	326	5	1	168
Mesa	167	20.4	3 605	99.2	2 614	60.7	262.6	484.2	973	.7	943	21	1	181
Mineral	NA	NA	NA	NA	NA	NA	NA	NA	2	2.4	2	Z	–	1
Moffat	NA	NA	NA	NA	NA	NA	NA	NA	207	1.1	192	2	Z	59
Montezuma	NA	NA	NA	NA	NA	NA	NA	NA	314	.5	308	6	Z	119
Montrose	64	20.3	1 540	31.5	1 226	22.5	91.0	156.0	644	.8	635	6	Z	173
Morgan	25	24.0	([4])	D	D	D	D	D	336	55.6	320	6	1	188
Otero	17	35.3	534	10.7	436	6.9	19.8	36.2	425	4.7	418	5	Z	181
Ouray	NA	NA	NA	NA	NA	NA	NA	NA	58	.2	57	1	–	12
Park	NA	NA	NA	NA	NA	NA	NA	NA	9	9.8	7	1	–	4
Phillips	NA	NA	NA	NA	NA	NA	NA	NA	86	99.1	84	2	–	77
Pitkin	NA	NA	NA	NA	NA	NA	NA	NA	47	1.9	39	6	Z	8
Prowers	20	30.0	([5])	D	D	D	D	D	695	22.4	678	3	Z	308
Pueblo	107	29.9	4 688	147.0	3 392	98.7	500.3	1 021.3	246	8.6	131	35	67	86
Rio Blanco	NA	NA	NA	NA	NA	NA	NA	NA	135	9.9	120	2	–	29
Rio Grande	NA	NA	NA	NA	NA	NA	NA	NA	405	26.4	400	4	Z	167
Routt	NA	NA	NA	NA	NA	NA	NA	NA	307	1.7	294	4	–	72
Saguache	NA	NA	NA	NA	NA	NA	NA	NA	426	34.1	423	2	–	174
San Juan	NA	NA	NA	NA	NA	NA	NA	NA	Z	6.9	–	Z	–	Z
San Miguel	NA	NA	NA	NA	NA	NA	NA	NA	63	.3	62	1	–	24
Sedgwick	NA	NA	NA	NA	NA	NA	NA	NA	95	55.7	94	Z	Z	58
Summit	NA	NA	NA	NA	NA	NA	NA	NA	29	9.2	23	5	Z	6
Teller	NA	NA	NA	NA	NA	NA	NA	NA	9	13.2	1	3	–	2
Washington	NA	NA	NA	NA	NA	NA	NA	NA	48	94.2	44	1	Z	38
Weld	208	32.2	10 773	345.4	7 751	197.5	1 788.9	4 338.5	1 162	23.1	1 106	32	8	558
Yuma	NA	NA	NA	NA	NA	NA	NA	NA	273	98.4	267	2	–	252
CONNECTICUT	5 844	33.0	252 330	10 452.1	153 045	4 895.3	27 295.2	46 938.2	4 453	3.7	28	393	10	171
Fairfield	1 316	30.9	57 560	2 495.9	32 808	1 106.7	7 220.2	12 115.5	330	10.8	4	103	3	20
Hartford	1 592	35.2	71 982	3 113.1	43 849	1 477.2	6 478.6	11 319.8	94	42.9	14	65	1	30
Litchfield	448	34.8	17 288	589.8	12 311	379.7	1 922.9	3 246.8	93	18.3	1	80	1	5
Middlesex	309	34.0	13 132	513.5	9 515	323.3	1 479.6	2 999.3	626	1.5	1	6	1	9
New Haven	1 592	33.4	59 380	2 285.0	37 796	1 124.6	7 084.5	12 073.9	764	3.8	5	96	2	94
New London	237	24.9	19 888	1 035.1	7 433	255.7	1 834.6	2 962.8	2 515	.5	1	30	1	6
Tolland	152	23.0	4 487	145.8	2 746	71.8	456.4	739.2	17	50.9	1	8	Z	4
Windham	198	37.4	8 613	273.8	6 587	156.3	818.4	1 480.9	15	87.8	1	3	1	3
DELAWARE	675	34.4	41 084	1 474.3	28 959	899.8	5 389.5	13 397.3	1 495	7.4	48	89	64	74
Kent	82	34.1	7 985	209.8	5 343	144.4	1 086.0	1 965.5	34	84.6	17	9	2	19
New Castle	458	33.2	22 610	1 000.1	15 063	587.0	3 047.6	8 735.0	1 080	2.9	2	69	19	12
Sussex	135	38.5	10 489	264.4	8 553	168.5	1 255.8	2 696.8	382	13.2	29	12	43	43
DISTRICT OF COLUMBIA	200	17.5	2 858	101.1	1 926	60.9	170.8	320.2	10	4.9	–	–	1	15
District of Columbia	200	17.5	2 858	101.1	1 926	60.9	170.8	320.2	10	4.9	–	–	1	15

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 2,500 to 4,999 employees. [5] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
FLORIDA	15 992	22.7	433 149	13 185.1	291 452	6 826.0	40 213.4	77 477.5	18 183	23.9	3 469	2 065	353	2 782
Alachua	151	27.8	5 251	157.1	4 196	112.6	458.3	1 010.3	48	98.4	12	24	1	18
Baker	NA	NA	NA	NA	NA	NA	NA	NA	5	88.3	2	1	Z	2
Bay	136	20.6	3 492	108.7	2 588	71.3	330.5	719.0	319	4.5	2	49	Z	14
Bradford	15	40.0	698	10.7	584	7.7	22.0	44.1	8	99.3	1	1	Z	2
Brevard	494	22.9	20 832	753.9	10 572	260.8	1 855.7	3 450.7	1 333	8.5	101	27	Z	67
Broward	1 967	18.9	37 134	1 115.4	24 291	551.4	3 288.9	5 788.3	1 516	17.7	62	222	Z	63
Calhoun	NA	NA	NA	NA	NA	NA	NA	NA	4	80.7	2	1	–	1
Charlotte	74	8.1	587	13.8	362	7.4	39.0	77.7	50	72.5	29	8	Z	26
Citrus	58	17.2	1 025	18.2	856	13.3	43.8	92.4	1 685	1.7	5	10	Z	9
Clay	74	21.6	1 579	43.7	1 062	21.3	120.9	247.2	22	98.9	1	12	Z	4
Collier	205	12.7	2 305	62.4	1 732	39.7	141.7	259.0	208	89.8	160	39	–	54
Columbia	35	28.6	1 798	46.3	1 454	30.8	106.6	244.5	17	96.5	9	3	–	4
Dade	3 031	21.9	66 391	1 663.8	48 587	954.5	4 856.0	8 523.9	652	85.1	124	387	5	130
DeSoto	NA	NA	NA	NA	NA	NA	NA	NA	71	82.6	52	12	Z	44
Dixie	NA	NA	NA	NA	NA	NA	NA	NA	3	100.0	1	1	Z	1
Duval	754	31.2	28 237	944.1	19 977	559.7	3 893.9	7 231.0	720	20.1	3	100	20	30
Escambia	236	20.3	7 526	294.6	5 502	199.2	977.6	2 214.1	270	32.2	7	38	56	19
Flagler	42	31.0	1 560	45.9	1 248	28.6	109.7	260.7	14	94.0	8	5	–	6
Franklin	NA	NA	NA	NA	NA	NA	NA	NA	3	100.0	1	2	–	1
Gadsden	32	31.3	1 399	32.3	1 144	20.9	78.8	187.8	16	47.1	7	4	Z	7
Gilchrist	NA	NA	NA	NA	NA	NA	NA	NA	9	98.9	6	Z	–	6
Glades	NA	NA	NA	NA	NA	NA	NA	NA	100	21.0	83	Z	–	55
Gulf	12	58.3	(4)	D	D	D	D	D	37	8.4	1	1	34	4
Hamilton	4	50.0	(4)	D	D	D	D	D	46	100.0	5	1	–	6
Hardee	NA	NA	NA	NA	NA	NA	NA	NA	51	99.0	43	2	Z	36
Hendry	22	22.7	724	26.8	512	18.1	141.9	437.7	557	28.1	550	4	Z	366
Hernando	72	18.1	1 192	29.4	861	15.7	150.6	235.2	42	95.1	7	17	Z	10
Highlands	54	18.5	1 199	27.0	953	19.0	71.4	191.6	119	94.4	100	8	Z	88
Hillsborough	960	27.9	30 861	859.3	21 533	497.6	2 707.2	6 019.8	2 628	6.4	67	130	24	71
Holmes	NA	NA	NA	NA	NA	NA	NA	NA	7	90.2	1	1	–	4
Indian River	116	15.5	1 825	55.4	1 177	29.7	103.7	219.8	266	28.7	195	11	Z	134
Jackson	26	34.6	1 344	27.3	1 172	22.0	61.3	182.1	81	34.8	21	2	–	18
Jefferson	NA	NA	NA	NA	NA	NA	NA	NA	12	95.5	9	1	–	7
Lafayette	NA	NA	NA	NA	NA	NA	NA	NA	7	95.4	4	Z	–	5
Lake	164	25.6	3 730	90.2	2 783	57.2	234.6	578.5	83	90.8	43	26	2	25
Lee	357	17.9	5 363	141.1	3 904	85.6	388.9	741.8	499	22.5	76	41	–	62
Leon	127	17.3	2 676	68.0	1 842	36.4	253.0	557.6	39	98.1	3	29	–	11
Levy	NA	NA	NA	NA	NA	NA	NA	NA	23	89.4	12	2	–	13
Liberty	NA	NA	NA	NA	NA	NA	NA	NA	2	95.7	Z	Z	Z	1
Madison	11	45.5	1 114	25.8	907	17.8	73.4	270.3	9	94.1	6	2	Z	5
Manatee	284	25.0	11 156	348.4	7 477	188.7	685.7	2 115.7	123	73.9	75	42	1	55
Marion	215	32.1	9 620	238.0	6 841	146.4	640.4	1 287.8	52	98.0	9	20	Z	16
Martin	172	15.1	3 274	101.7	2 188	69.2	295.6	555.2	170	29.3	127	14	1	114
Monroe	NA	NA	NA	NA	NA	NA	NA	NA	2	100.0	1	–	–	3
Nassau	34	23.5	1 790	77.3	1 437	58.4	298.5	630.6	47	95.0	1	5	37	4
Okaloosa	133	20.3	3 448	81.5	2 301	42.1	167.7	296.5	30	99.2	2	21	Z	7
Okeechobee	NA	NA	NA	NA	NA	NA	NA	NA	41	86.7	33	2	–	21
Orange	889	27.1	32 437	1 213.4	18 156	468.2	3 402.7	5 786.6	260	88.1	62	165	3	70
Osceola	77	24.7	1 295	37.1	998	25.0	190.7	379.9	81	83.8	54	19	–	41
Palm Beach	1 051	17.5	26 262	1 138.1	13 889	372.9	4 116.1	6 344.5	1 433	15.3	733	187	23	480
Pasco	213	18.3	4 091	100.7	2 851	57.5	264.4	713.3	1 169	11.1	16	94	9	23
Pinellas	1 335	24.1	40 954	1 256.8	25 346	575.3	3 195.1	5 732.8	530	8.1	4	35	Z	25
Polk	480	38.8	20 627	633.5	15 251	382.2	2 587.4	5 999.9	392	62.0	110	58	38	113
Putnam	48	33.3	2 556	88.9	2 100	67.1	283.5	730.2	88	43.1	15	4	40	40
St. Johns	88	13.6	2 277	53.8	1 731	33.8	163.7	299.6	46	98.6	33	10	–	22
St. Lucie	124	27.4	2 230	60.1	1 722	39.7	228.4	542.7	1 485	5.4	280	15	Z	208
Santa Rosa	59	23.7	1 895	41.6	1 585	30.3	229.2	427.7	23	99.1	4	12	6	6
Sarasota	379	17.7	7 809	222.9	5 461	112.6	473.8	872.6	48	81.2	8	26	Z	15
Seminole	434	20.3	9 624	287.1	5 931	120.8	851.8	1 582.2	70	98.7	10	51	Z	18
Sumter	30	30.0	907	19.6	725	13.9	51.8	200.9	66	19.0	9	2	Z	10
Suwannee	19	10.5	(5)	D	D	D	D	D	142	20.4	22	1	1	18
Taylor	20	55.0	1 594	58.0	1 243	40.8	270.8	496.1	53	96.3	Z	2	47	2
Union	NA	NA	NA	NA	NA	NA	NA	NA	3	95.2	1	Z	Z	1
Volusia	392	20.2	10 216	263.2	7 297	156.4	683.2	1 212.6	157	51.8	33	49	Z	33
Wakulla	NA	NA	NA	NA	NA	NA	NA	NA	73	5.0	1	1	1	1
Walton	35	17.1	937	12.5	601	7.0	47.4	108.7	12	90.0	5	4	1	6
Washington	14	14.3	754	15.7	668	13.1	40.3	85.8	5	94.1	1	1	–	2

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[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
GEORGIA	9 083	36.3	533 830	15 534.1	410 713	10 173.4	55 550.1	124 526.8	5 818	20.5	722	1 153	664	1 173
Appling	25	56.0	1 160	28.7	857	17.9	103.2	432.9	63	4.0	2	1	–	32
Atkinson	13	30.8	1 081	24.1	967	19.0	44.8	123.8	3	57.9	2	Z	–	3
Bacon	14	50.0	1 373	27.8	1 109	21.9	64.5	210.9	3	89.0	1	1	Z	2
Baker	NA	NA	NA	NA	NA	NA	NA	NA	24	78.7	23	Z	–	24
Baldwin	20	40.0	3 454	91.2	3 098	78.2	172.9	624.9	7	.7	Z	5	1	1
Banks	14	28.6	(4)	D	D	D	D	D	2	35.5	Z	Z	–	1
Barrow	64	17.2	2 217	64.0	1 801	45.2	185.5	509.9	6	22.4	1	3	–	2
Bartow	126	46.8	10 115	303.1	8 231	226.1	1 387.6	2 918.4	58	13.9	Z	13	5	22
Ben Hill	34	61.8	3 621	93.6	3 195	73.0	260.3	641.5	17	73.5	13	4	–	14
Berrien	17	47.1	1 987	45.0	1 740	37.7	93.1	231.6	13	57.6	11	1	Z	12
Bibb	179	34.1	(5)	D	D	D	D	D	107	3.3	Z	32	16	7
Bleckley	6	33.3	(6)	D	D	D	D	D	9	31.6	8	Z	–	9
Brantley	NA	NA	NA	NA	NA	NA	NA	NA	2	91.1	Z	Z	–	1
Brooks	12	75.0	1 077	17.4	942	11.3	47.8	106.3	6	84.5	4	1	–	5
Bryan	NA	NA	NA	NA	NA	NA	NA	NA	2	96.0	Z	1	–	1
Bulloch	41	36.6	3 210	84.3	2 683	59.1	276.8	493.4	17	81.0	9	5	1	11
Burke	16	50.0	1 035	21.3	587	11.7	49.2	84.4	75	13.2	9	2	–	73
Butts	18	55.6	1 127	22.3	964	16.7	105.2	181.4	6	9.1	Z	5	–	1
Calhoun	3	66.7	(4)	D	D	D	D	D	19	70.7	18	1	–	18
Camden	21	33.3	1 364	52.7	1 039	36.3	237.5	528.8	48	85.4	3	3	38	7
Candler	NA	NA	NA	NA	NA	NA	NA	NA	3	61.1	2	1	–	2
Carroll	121	44.6	9 590	229.6	7 860	175.0	663.8	2 156.7	14	20.5	1	10	–	3
Catoosa	64	34.4	2 291	56.2	1 813	40.5	182.3	458.5	11	85.8	1	8	–	3
Charlton	NA	NA	NA	NA	NA	NA	NA	NA	2	92.0	Z	1	–	Z
Chatham	207	28.0	(5)	D	D	D	D	D	606	13.4	5	77	75	25
Chattahoochee	NA	NA	NA	NA	NA	NA	NA	NA	14	3.8	Z	7	–	2
Chattooga	23	65.2	3 996	91.0	3 568	75.9	464.7	873.6	5	41.4	Z	4	–	1
Cherokee	152	23.0	3 886	100.5	2 971	60.3	247.4	656.7	14	10.9	Z	12	1	3
Clarke	90	37.8	9 388	234.9	7 520	168.5	577.4	1 368.5	18	7.3	Z	17	–	3
Clay	NA	NA	NA	NA	NA	NA	NA	NA	6	24.3	5	Z	–	5
Clayton	167	35.3	5 901	184.1	4 216	109.8	789.3	1 641.6	26	5.9	1	24	–	4
Clinch	11	45.5	918	18.8	834	15.5	49.7	148.9	1	84.5	1	Z	–	1
Cobb	604	26.5	24 499	980.2	14 336	437.7	2 146.6	4 134.7	440	.4	2	80	2	14
Coffee	45	48.9	5 377	116.1	4 667	86.6	294.8	773.8	13	62.2	6	5	–	8
Colquitt	55	32.7	3 503	67.1	2 577	42.5	151.0	452.2	40	49.7	33	3	1	35
Columbia	77	31.2	5 323	154.3	3 690	84.3	683.3	1 356.1	12	20.3	Z	10	Z	2
Cook	35	42.9	1 582	34.1	1 313	23.6	100.3	227.4	12	75.9	9	2	–	10
Coweta	76	39.5	5 589	147.8	4 120	94.7	389.8	1 093.2	353	1.3	Z	5	–	7
Crawford	NA	NA	NA	NA	NA	NA	NA	NA	6	57.7	3	Z	–	5
Crisp	27	51.9	2 067	53.1	1 714	35.1	185.6	340.5	19	96.2	13	1	–	14
Dade	22	40.9	907	19.9	819	16.1	47.2	98.5	2	5.2	Z	2	–	Z
Dawson	NA	NA	NA	NA	NA	NA	NA	NA	1	39.2	–	1	–	1
Decatur	35	34.3	3 538	84.2	2 833	57.3	292.3	632.8	65	91.4	58	3	2	59
De Kalb	697	29.3	24 358	942.8	17 939	627.9	2 718.4	8 018.5	86	3.0	2	81	–	13
Dodge	16	25.0	867	17.5	773	13.8	49.5	155.0	7	62.2	5	1	–	6
Dooly	12	66.7	1 521	30.4	1 320	24.4	104.1	186.8	13	93.8	10	2	–	11
Dougherty	90	47.8	8 627	312.0	7 065	229.8	1 905.0	4 275.5	134	29.0	12	20	8	16
Douglas	95	22.1	2 211	54.5	1 747	36.0	165.5	371.2	8	3.2	Z	7	–	1
Early	12	33.3	1 071	45.0	857	21.3	166.0	475.2	142	16.6	32	Z	109	40
Echols	NA	NA	NA	NA	NA	NA	NA	NA	3	76.8	3	Z	–	3
Effingham	11	45.5	(6)	D	D	D	D	D	146	4.8	Z	2	10	2
Elbert	112	28.6	2 954	64.6	2 383	47.7	206.6	441.7	3	30.4	Z	2	–	1
Emanuel	36	44.4	2 191	38.4	1 764	28.1	125.6	253.5	6	92.7	2	2	2	2
Evans	14	50.0	1 677	34.2	1 449	25.9	60.6	184.9	3	73.8	1	1	2	2
Fannin	28	25.0	922	15.7	820	13.8	67.9	146.6	2	34.5	Z	1	–	1
Fayette	85	28.2	5 595	170.2	3 959	95.4	617.3	1 345.1	14	43.8	3	9	–	5
Floyd	120	46.7	9 583	280.0	8 115	205.2	765.5	1 892.4	452	.3	1	14	34	6
Forsyth	129	27.9	4 337	127.7	3 489	88.1	329.3	701.3	14	22.6	Z	10	–	3
Franklin	46	39.1	1 852	43.2	1 488	28.2	134.6	281.1	4	41.2	Z	2	–	2
Fulton	897	35.0	37 948	1 283.6	26 734	777.6	6 945.1	14 240.9	226	.9	–	224	Z	34
Gilmer	34	29.4	3 404	52.3	3 127	39.6	99.3	303.0	3	22.8	Z	2	–	1
Glascock	NA	NA	NA	NA	NA	NA	NA	NA	Z	74.4	Z	Z	–	Z
Glynn	71	31.0	3 784	124.9	2 651	76.0	382.7	993.6	124	54.0	2	12	74	11
Gordon	102	55.9	10 527	255.4	7 798	158.8	801.5	2 419.0	18	21.9	Z	13	3	3
Grady	19	31.6	1 402	29.6	1 231	23.3	78.7	153.7	12	61.7	8	3	–	9
Greene	19	57.9	1 533	33.1	1 339	24.2	98.6	448.4	5	11.7	3	1	Z	4

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	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use–(mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
GEORGIA—Con.														
Gwinnett	737	32.2	29 121	1 071.3	19 123	535.5	3 402.7	6 241.7	72	1.1	Z	71	–	11
Habersham	69	36.2	4 354	111.8	3 530	76.6	402.1	681.2	10	18.4	Z	6	Z	2
Hall	226	42.0	16 519	443.1	13 361	306.3	1 835.8	4 293.7	20	19.9	1	14	1	5
Hancock	NA	NA	NA	NA	NA	NA	NA	NA	1	48.6	Z	1	–	Z
Haralson	35	51.4	2 552	59.4	2 083	42.6	147.1	340.0	2	1.4	–	2	–	1
Harris	19	26.3	(4)	D	D	D	D	D	10	11.5	Z	1	8	2
Hart	36	41.7	2 540	61.1	2 144	47.4	271.8	465.6	4	36.0	1	1	–	2
Heard	9	33.3	550	12.8	459	9.0	32.5	77.6	1	56.4	Z	Z	–	Z
Henry	68	36.8	3 392	106.1	2 471	64.4	401.3	854.8	7	10.0	Z	7	–	1
Houston	66	25.8	(5)	D	D	D	D	D	29	97.2	9	15	Z	13
Irwin	7	57.1	746	13.7	664	10.5	23.4	38.5	10	70.5	9	1	Z	9
Jackson	65	43.1	5 896	135.8	4 768	96.9	415.2	1 204.5	6	50.5	Z	3	1	2
Jasper	19	52.6	737	21.4	640	17.7	50.4	176.7	2	33.3	–	1	1	Z
Jeff Davis	23	34.8	2 493	49.0	1 989	40.9	154.6	304.4	5	71.8	3	1	Z	4
Jefferson	28	39.3	1 999	51.9	1 647	37.8	62.8	294.2	15	52.3	6	2	7	7
Jenkins	4	75.0	1 294	25.0	1 202	19.1	86.5	154.3	5	69.6	4	1	Z	5
Johnson	8	87.5	762	8.8	642	6.9	20.2	34.9	3	70.7	2	Z	–	3
Jones	NA	NA	NA	NA	NA	NA	NA	NA	2	87.1	Z	1	Z	1
Lamar	13	46.2	1 605	35.1	1 351	25.4	72.2	190.9	5	26.4	1	2	–	2
Lanier	NA	NA	NA	NA	NA	NA	NA	NA	3	71.4	2	1	–	3
Laurens	43	58.1	5 703	134.2	4 509	91.3	383.5	888.6	33	21.5	7	5	20	10
Lee	NA	NA	NA	NA	NA	NA	NA	NA	26	93.1	24	1	–	25
Liberty	14	64.3	1 020	33.9	782	24.1	110.7	319.0	17	99.9	–	6	8	2
Lincoln	7	42.9	688	10.9	629	9.4	17.6	55.8	1	71.6	Z	1	–	Z
Long	NA	NA	NA	NA	NA	NA	NA	NA	1	76.3	Z	Z	–	Z
Lowndes	98	37.8	5 492	146.7	4 234	98.0	460.9	1 468.9	28	94.1	3	9	12	6
Lumpkin	17	35.3	879	21.0	760	16.9	41.7	85.9	3	34.1	Z	Z	–	1
McDuffie	26	50.0	1 677	41.7	1 414	32.7	83.6	297.8	4	37.4	1	1	–	2
McIntosh	NA	NA	NA	NA	NA	NA	NA	NA	1	99.3	–	1	–	Z
Macon	14	35.7	1 624	46.7	1 348	33.8	103.5	369.0	24	42.1	10	1	12	12
Madison	31	19.4	826	18.9	704	14.9	32.1	69.0	3	61.5	Z	Z	–	2
Marion	5	40.0	(4)	D	D	D	D	D	3	64.3	1	2	–	1
Meriwether	22	59.1	2 105	46.1	1 649	33.8	127.3	273.7	6	49.2	1	2	Z	3
Miller	NA	NA	NA	NA	NA	NA	NA	NA	29	91.9	28	Z	–	28
Mitchell	17	47.1	1 016	15.4	913	12.3	30.3	72.2	32	92.1	29	3	–	30
Monroe	21	28.6	515	10.7	434	7.9	27.9	57.1	35	9.9	Z	1	–	33
Montgomery	NA	NA	NA	NA	NA	NA	NA	NA	4	63.0	4	Z	–	4
Morgan	20	40.0	1 512	39.8	1 266	29.6	112.7	262.1	3	30.6	1	1	–	1
Murray	100	32.0	5 321	121.8	4 602	95.3	336.7	1 201.9	4	46.1	1	2	–	1
Muscogee	158	47.5	(6)	D	D	D	D	D	39	.3	Z	39	Z	6
Newton	62	37.1	3 976	146.4	2 527	70.6	757.0	1 348.8	4	57.2	Z	3	Z	1
Oconee	30	40.0	746	20.8	579	13.6	78.4	208.8	3	61.4	1	1	–	1
Oglethorpe	NA	NA	NA	NA	NA	NA	NA	NA	2	55.7	Z	Z	–	1
Paulding	38	28.9	1 161	26.0	914	20.7	75.2	137.3	4	18.2	Z	3	–	1
Peach	32	40.6	(5)	D	D	D	D	D	7	97.2	4	2	–	4
Pickens	35	34.3	1 155	26.7	913	18.7	74.2	135.8	3	42.5	Z	1	–	1
Pierce	17	41.2	521	9.1	468	7.1	22.1	77.2	6	67.2	4	Z	–	5
Pike	NA	NA	NA	NA	NA	NA	NA	NA	3	55.7	2	1	–	2
Polk	35	42.9	2 273	62.1	1 844	46.0	218.2	423.1	11	59.5	Z	8	2	2
Pulaski	11	18.2	(7)	D	D	D	D	D	12	84.8	11	1	–	11
Putnam	24	58.3	2 030	56.8	1 733	45.0	144.8	424.8	1 010	.1	Z	1	Z	1
Quitman	NA	NA	NA	NA	NA	NA	NA	NA	2	12.7	2	Z	–	2
Rabun	27	29.6	1 870	44.1	1 711	37.7	135.3	316.0	4	24.0	–	1	2	1
Randolph	NA	NA	NA	NA	NA	NA	NA	NA	11	54.4	9	1	Z	9
Richmond	134	45.5	12 084	423.4	8 547	258.7	2 266.6	4 092.6	127	18.4	7	38	80	19
Rockdale	116	37.9	6 730	200.0	4 659	121.3	743.4	1 625.1	2	11.9	Z	2	–	1
Schley	9	77.8	589	14.6	498	10.6	49.4	115.4	2	36.4	1	Z	–	2
Screven	13	30.8	1 289	33.9	1 125	26.8	76.3	127.8	8	81.3	5	1	2	5
Seminole	NA	NA	NA	NA	NA	NA	NA	NA	24	94.6	22	1	–	23
Spalding	70	44.3	6 328	150.7	5 250	113.1	512.3	1 118.8	10	13.3	Z	8	–	2
Stephens	64	43.8	3 970	88.4	3 190	63.1	262.7	634.8	3	13.8	Z	2	–	1
Stewart	NA	NA	NA	NA	NA	NA	NA	NA	4	38.6	2	1	–	2
Sumter	38	42.1	3 163	71.3	2 582	52.4	185.0	475.4	28	64.1	24	4	–	25
Talbot	NA	NA	NA	NA	NA	NA	NA	NA	3	58.2	Z	Z	–	2
Taliaferro	NA	NA	NA	NA	NA	NA	NA	NA	Z	75.0	–	Z	–	Z
Tattnall	12	25.0	762	8.4	622	7.5	39.0	62.9	18	52.2	15	1	–	16

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 2,500 to 4,999 employees. [6] 10,000 to 24,999 employees. [7] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
GEORGIA—Con.														
Taylor	NA	NA	NA	NA	NA	NA	NA	NA	2	76.2	1	1	–	1
Telfair	14	42.9	1 946	37.0	1 770	31.6	158.8	566.3	10	74.1	8	2	Z	9
Terrell	13	46.2	786	15.1	693	12.0	37.4	141.6	21	49.5	19	1	–	19
Thomas	72	41.7	4 926	108.6	3 748	68.9	421.3	933.7	13	90.0	5	6	1	7
Tift	51	47.1	4 449	103.7	3 878	81.5	204.0	613.3	35	54.4	27	6	–	29
Toombs	38	44.7	2 516	41.6	2 093	30.4	79.9	169.3	7	57.3	4	2	–	5
Towns	NA	NA	NA	NA	NA	NA	NA	NA	2	14.3	Z	2	–	1
Treutlen	NA	NA	NA	NA	NA	NA	NA	NA	2	88.0	1	1	–	1
Troup	101	56.4	9 369	284.2	7 131	177.2	712.1	1 807.7	13	9.2	Z	11	1	2
Turner	10	60.0	686	11.8	611	8.9	31.2	66.1	19	47.0	16	2	1	16
Twiggs	NA	NA	NA	NA	NA	NA	NA	NA	23	99.3	1	Z	21	4
Union	NA	NA	NA	NA	NA	NA	NA	NA	1	52.6	Z	1	–	Z
Upson	26	53.8	4 241	82.9	3 476	63.2	251.2	555.1	11	25.9	Z	3	3	5
Walker	77	32.5	6 555	159.9	5 820	122.9	575.9	1 207.7	11	81.2	Z	8	2	2
Walton	55	41.8	2 611	70.4	2 122	50.6	190.0	441.5	6	29.8	1	4	–	2
Ware	42	33.3	2 121	55.8	1 779	37.0	126.5	287.4	6	90.7	1	3	Z	2
Warren	6	83.3	798	20.0	706	13.8	62.3	131.0	5	33.1	3	1	1	3
Washington	18	33.3	917	22.3	802	15.7	93.4	131.7	24	94.8	4	2	17	7
Wayne	23	34.8	1 816	56.0	1 441	41.6	238.9	460.6	66	99.1	1	2	62	9
Webster	NA	NA	NA	NA	NA	NA	NA	NA	5	12.5	5	Z	–	5
Wheeler	NA	NA	NA	NA	NA	NA	NA	NA	3	85.4	3	Z	–	3
White	28	17.9	952	27.0	808	15.7	88.2	172.8	6	26.4	Z	3	–	1
Whitfield	379	43.3	27 373	687.5	21 626	505.8	2 444.7	6 166.5	39	.4	Z	38	–	5
Wilcox	NA	NA	NA	NA	NA	NA	NA	NA	15	67.8	14	1	–	15
Wilkes	23	52.2	1 584	36.8	1 359	28.7	131.0	315.4	4	19.7	1	2	–	2
Wilkinson	14	28.6	1 307	49.7	763	24.0	279.5	391.2	23	99.9	–	2	17	3
Worth	NA	NA	NA	NA	NA	NA	NA	NA	29	30.7	11	1	–	12
HAWAII	921	17.3	15 109	405.0	9 899	231.6	1 262.4	3 192.5	1 934	27.5	652	214	20	551
Hawaii	106	12.3	1 588	37.5	1 076	21.1	81.2	192.5	132	82.6	13	26	–	33
Honolulu	685	19.4	11 161	300.9	7 034	164.8	1 042.8	2 692.2	1 111	23.0	83	142	13	143
Kalawao	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Kauai	NA	NA	NA	NA	NA	NA	NA	NA	261	16.4	223	14	5	147
Maui	100	9.0	1 919	51.3	1 509	36.3	123.3	259.6	430	28.8	333	33	2	228
IDAHO	1 647	25.4	66 184	2 099.8	50 362	1 277.2	6 393.1	16 952.9	15 141	18.7	13 048	189	47	4 342
Ada	395	24.6	20 850	862.6	13 866	416.0	2 242.4	6 318.4	1 098	7.7	1 033	42	9	339
Adams	NA	NA	NA	NA	NA	NA	NA	NA	64	1.9	62	Z	–	20
Bannock	62	32.3	3 482	119.2	2 420	60.7	406.0	775.1	314	20.2	263	20	2	91
Bear Lake	NA	NA	NA	NA	NA	NA	NA	NA	117	1.9	115	1	–	38
Benewah	8	37.5	586	20.2	532	17.4	43.7	141.8	8	56.8	6	1	Z	2
Bingham	44	20.5	2 413	64.2	1 995	42.0	187.7	366.1	1 094	34.1	1 079	4	4	352
Blaine	NA	NA	NA	NA	NA	NA	NA	NA	160	25.0	147	3	1	48
Boise	NA	NA	NA	NA	NA	NA	NA	NA	15	7.7	14	1	–	5
Bonner	86	23.3	1 898	56.8	1 563	41.8	126.8	382.1	35	22.9	12	5	–	4
Bonneville	115	22.6	2 550	55.8	1 917	36.5	136.0	267.9	645	15.9	618	22	1	202
Boundary	NA	NA	NA	NA	NA	NA	NA	NA	2	71.4	–	1	–	Z
Butte	NA	NA	NA	NA	NA	NA	NA	NA	168	49.5	164	Z	–	54
Camas	NA	NA	NA	NA	NA	NA	NA	NA	27	84.8	27	Z	–	9
Canyon	176	33.0	9 817	268.2	7 863	181.2	1 144.9	3 581.7	639	5.6	594	12	3	195
Caribou	7	57.1	(4)	D	D	D	D	D	225	14.0	190	1	6	66
Cassia	24	20.8	(5)	D	D	D	D	D	585	61.5	576	3	3	188
Clark	NA	NA	NA	NA	NA	NA	NA	NA	106	33.2	105	Z	–	34
Clearwater	NA	NA	NA	NA	NA	NA	NA	NA	36	5.7	–	2	–	Z
Custer	NA	NA	NA	NA	NA	NA	NA	NA	142	13.2	113	Z	–	37
Elmore	NA	NA	NA	NA	NA	NA	NA	NA	327	35.0	320	2	–	105
Franklin	NA	NA	NA	NA	NA	NA	NA	NA	178	23.3	175	2	–	57
Fremont	NA	NA	NA	NA	NA	NA	NA	NA	338	10.2	333	2	–	108
Gem	NA	NA	NA	NA	NA	NA	NA	NA	136	15.2	133	1	–	43
Gooding	NA	NA	NA	NA	NA	NA	NA	NA	1 289	10.0	621	1	1	274
Idaho	NA	NA	NA	NA	NA	NA	NA	NA	30	9.2	11	1	–	4
Jefferson	17	17.6	664	11.9	567	8.0	57.1	94.4	1 544	18.2	1 540	1	1	501
Jerome	19	36.8	803	15.9	672	12.9	75.8	176.3	1 109	8.1	1 005	2	1	327

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County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
IDAHO—Con.														
Kootenai	195	25.6	4 472	116.9	3 459	83.6	275.5	592.1	47	44.5	26	18	–	9
Latah	NA	NA	NA	NA	NA	NA	NA	NA	12	40.7	7	3	–	2
Lemhi	NA	NA	NA	NA	NA	NA	NA	NA	124	3.7	121	1	–	40
Lewis	NA	NA	NA	NA	NA	NA	NA	NA	1	92.7	–	1	–	Z
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	421	11.8	418	Z	1	136
Madison	21	38.1	1 326	25.5	963	17.1	85.4	141.4	295	33.9	290	3	2	94
Minidoka	18	44.4	1 638	44.3	1 432	35.2	170.4	425.7	527	36.0	521	2	2	170
Nez Perce	55	21.8	3 263	128.0	2 656	95.6	395.3	769.1	19	28.6	9	4	5	4
Oneida	NA	NA	NA	NA	NA	NA	NA	NA	103	19.8	102	Z	–	33
Owyhee	5	40.0	613	12.2	563	9.5	56.9	225.2	474	11.3	472	Z	–	154
Payette	24	37.5	(4)	D	D	D	D	D	254	7.6	249	2	Z	81
Power	8	75.0	889	21.3	744	16.9	62.9	155.3	306	60.9	262	1	1	85
Shoshone	NA	NA	NA	NA	NA	NA	NA	NA	10	21.5	–	3	–	1
Teton	NA	NA	NA	NA	NA	NA	NA	NA	116	27.6	115	Z	–	38
Twin Falls	95	24.2	3 588	82.9	3 031	57.8	286.4	723.3	1 891	4.4	1 108	19	2	362
Valley	NA	NA	NA	NA	NA	NA	NA	NA	28	4.8	13	1	Z	4
Washington	NA	NA	NA	NA	NA	NA	NA	NA	83	78.7	80	2	–	26
ILLINOIS	17 953	36.6	887 350	31 837.9	629 423	18 713.8	95 287.3	200 020.0	19 922	4.8	180	1 823	452	882
Adams	85	35.3	5 707	190.4	3 647	93.6	634.2	1 868.3	24	68.7	1	9	13	4
Alexander	NA	NA	NA	NA	NA	NA	NA	NA	2	57.6	1	1	Z	1
Bond	16	31.3	695	19.2	517	13.1	79.0	166.0	2	52.9	Z	1	–	Z
Boone	63	36.5	5 846	283.9	5 175	240.3	500.4	2 300.0	6	100.0	1	4	Z	2
Brown	NA	NA	NA	NA	NA	NA	NA	NA	Z	100.0	Z	Z	–	Z
Bureau	41	53.7	2 499	72.0	1 818	43.1	239.9	413.7	8	81.0	2	2	Z	4
Calhoun	NA	NA	NA	NA	NA	NA	NA	NA	8	19.9	Z	Z	–	1
Carroll	33	36.4	1 015	27.0	802	18.3	134.6	235.2	9	99.8	3	1	2	4
Cass	13	46.2	(4)	D	D	D	D	D	10	99.8	5	1	2	6
Champaign	152	36.2	10 857	292.4	8 396	204.8	1 165.9	2 689.5	36	85.1	5	23	2	9
Christian	30	26.7	1 388	53.2	847	24.0	142.9	479.3	776	.6	Z	3	–	13
Clark	24	41.7	1 682	44.6	1 314	26.9	188.9	435.5	4	100.0	2	2	–	2
Clay	23	43.5	2 453	62.8	1 932	42.5	220.4	480.1	2	62.8	Z	1	–	1
Clinton	39	30.8	963	22.4	709	15.0	108.1	175.9	8	57.0	1	2	–	3
Coles	57	36.8	5 754	182.9	4 844	142.4	766.5	1 455.6	8	15.0	Z	7	–	1
Cook	7 966	37.0	362 364	13 032.0	250 025	7 309.3	38 114.9	74 563.3	1 691	1.4	3	1 134	111	92
Crawford	20	50.0	2 547	90.4	2 132	68.4	343.3	2 175.4	61	14.7	1	2	5	7
Cumberland	NA	NA	NA	NA	NA	NA	NA	NA	2	62.0	Z	1	–	Z
DeKalb	137	40.9	6 957	207.7	4 859	110.2	875.8	1 511.7	12	87.3	1	7	1	3
De Witt	15	53.3	1 300	39.6	1 037	26.2	139.2	267.1	712	.3	Z	1	–	26
Douglas	65	29.2	2 711	79.2	2 111	49.5	240.9	481.7	6	37.5	Z	1	3	1
DuPage	2 033	36.4	71 351	2 503.0	50 090	1 411.8	6 631.9	11 938.5	18	83.3	1	12	Z	11
Edgar	27	40.7	1 539	36.9	1 229	24.9	100.6	248.7	3	52.1	Z	2	–	1
Edwards	8	50.0	(4)	D	D	D	D	D	2	92.8	Z	1	–	1
Effingham	59	45.8	5 660	148.7	4 827	111.3	379.3	978.7	6	59.0	Z	3	–	1
Fayette	22	36.4	1 529	37.8	1 384	32.3	148.2	277.9	7	44.7	Z	1	–	2
Ford	22	40.9	951	23.7	756	16.8	89.7	322.4	4	90.9	1	2	Z	1
Franklin	43	27.9	1 632	36.6	1 329	24.9	85.7	233.7	16	4.2	Z	13	–	1
Fulton	NA	NA	NA	NA	NA	NA	NA	NA	273	1.2	Z	3	–	7
Gallatin	NA	NA	NA	NA	NA	NA	NA	NA	10	99.2	5	4	–	6
Greene	NA	NA	NA	NA	NA	NA	NA	NA	3	89.2	1	1	–	2
Grundy	33	42.4	2 015	87.8	1 469	59.8	384.5	875.4	2 560	.4	Z	1	7	75
Hamilton	NA	NA	NA	NA	NA	NA	NA	NA	1	97.0	Z	–	–	1
Hancock	28	21.4	1 862	42.5	1 287	23.2	120.4	193.2	3	71.0	1	1	–	1
Hardin	NA	NA	NA	NA	NA	NA	NA	NA	3	96.4	Z	Z	–	1
Henderson	NA	NA	NA	NA	NA	NA	NA	NA	15	100.0	8	6	–	9
Henry	53	32.1	4 019	124.3	3 222	95.3	210.0	1 288.0	9	100.0	2	4	Z	4
Iroquois	30	46.7	1 723	43.0	1 333	27.1	108.1	296.9	4	100.0	1	2	Z	1
Jackson	35	22.9	1 062	29.0	846	20.8	61.6	151.8	191	1.9	Z	7	–	5
Jasper	15	40.0	874	15.2	731	10.7	28.9	66.4	532	.5	Z	1	–	10
Jefferson	44	25.0	2 922	104.5	2 334	77.2	371.1	743.1	4	58.4	Z	1	–	2
Jersey	NA	NA	NA	NA	NA	NA	NA	NA	7	34.9	Z	1	–	1
Jo Daviess	33	39.4	1 590	46.2	1 304	32.5	158.7	312.6	9	99.3	Z	3	3	2
Johnson	NA	NA	NA	NA	NA	NA	NA	NA	2	58.2	Z	1	–	Z
Kane	877	42.5	40 200	1 443.8	28 591	837.6	4 360.1	8 226.1	53	56.4	2	48	2	18

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use–(mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
ILLINOIS—Con.														
Kankakee	116	44.0	6 937	263.8	4 879	159.6	914.9	2 253.2	29	59.8	12	14	Z	14
Kendall	66	24.2	2 303	69.5	1 800	39.2	229.0	369.6	6	100.0	Z	2	Z	1
Knox	56	44.6	5 528	165.0	4 477	119.8	370.7	1 058.8	9	100.0	Z	6	–	2
Lake	969	32.0	62 535	2 660.2	37 779	1 163.1	7 361.4	13 686.2	2 449	.6	2	60	16	80
La Salle	152	42.8	6 752	232.1	5 272	163.6	789.9	1 732.6	888	2.4	1	15	3	34
Lawrence	NA	NA	NA	NA	NA	NA	NA	NA	14	100.0	5	1	Z	12
Lee	35	60.0	3 798	115.3	2 798	71.8	404.9	739.4	16	99.7	7	4	2	8
Livingston	51	43.1	4 573	170.5	3 580	121.1	537.1	1 055.8	7	55.6	Z	5	Z	1
Logan	24	25.0	1 401	44.9	1 164	33.8	170.6	318.2	5	100.0	1	3	–	1
McDonough	30	46.7	1 956	61.2	1 615	48.0	140.2	255.9	5	39.5	Z	3	Z	1
McHenry	583	36.4	22 949	760.4	16 601	458.7	1 966.5	3 930.4	40	89.9	9	15	4	13
McLean	112	33.9	8 388	357.7	6 751	276.3	975.0	3 870.3	17	70.9	Z	11	–	2
Macon	134	33.6	11 616	479.4	8 240	319.7	2 182.9	6 114.2	47	9.6	Z	40	5	2
Macoupin	35	22.9	697	18.9	515	12.3	65.4	156.5	10	32.3	Z	5	–	2
Madison	224	31.7	19 074	743.8	14 679	521.0	2 799.8	7 676.5	308	17.4	1	53	81	15
Marion	65	44.6	5 220	152.6	4 267	113.5	440.0	768.3	6	19.3	Z	5	–	1
Marshall	18	61.1	921	28.3	763	19.9	95.5	179.6	4	100.0	1	2	1	2
Mason	NA	NA	NA	NA	NA	NA	NA	NA	119	41.6	36	1	–	45
Massac	12	33.3	732	31.2	553	21.2	133.0	191.5	592	1.7	2	1	4	11
Menard	NA	NA	NA	NA	NA	NA	NA	NA	2	100.0	1	1	–	1
Mercer	NA	NA	NA	NA	NA	NA	NA	NA	5	100.0	2	1	–	3
Monroe	NA	NA	NA	NA	NA	NA	NA	NA	3	77.8	Z	1	–	1
Montgomery	37	40.5	1 752	48.3	1 422	35.1	117.7	300.7	334	.6	Z	3	Z	6
Morgan	36	38.9	3 566	110.6	2 670	73.0	664.6	1 213.4	159	7.4	1	6	5	4
Moultrie	20	25.0	796	19.8	676	14.8	81.4	210.8	3	68.8	Z	1	–	Z
Ogle	70	38.6	5 859	166.2	4 762	118.4	424.2	1 020.5	31	38.3	2	5	Z	5
Peoria	177	43.5	14 351	610.6	9 859	383.8	2 038.7	4 392.7	110	32.0	2	25	81	13
Perry	22	36.4	1 481	35.3	1 189	24.7	119.9	262.3	11	9.1	Z	1	Z	3
Piatt	NA	NA	NA	NA	NA	NA	NA	NA	3	100.0	Z	1	1	Z
Pike	NA	NA	NA	NA	NA	NA	NA	NA	23	15.2	1	2	–	2
Pope	NA	NA	NA	NA	NA	NA	NA	NA	1	86.8	–	Z	–	Z
Pulaski	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	Z	1	–	Z
Putnam	9	33.3	(4)	D	D	D	D	D	167	1.0	Z	Z	4	3
Randolph	32	46.9	2 353	51.8	2 146	42.3	165.2	398.6	1 179	.2	Z	4	–	19
Richland	34	29.4	1 814	37.0	1 499	25.0	101.0	218.3	3	50.5	Z	2	Z	1
Rock Island	197	34.0	10 675	493.8	7 994	354.4	1 913.4	3 508.8	925	1.1	3	17	6	37
St. Clair	198	30.8	7 123	249.3	5 300	159.7	602.9	1 763.5	47	61.4	Z	19	22	7
Saline	NA	NA	NA	NA	NA	NA	NA	NA	1	64.0	Z	–	–	1
Sangamon	134	30.6	(5)	D	D	D	D	D	337	2.1	Z	24	–	8
Schuyler	NA	NA	NA	NA	NA	NA	NA	NA	2	98.6	Z	1	–	Z
Scott	NA	NA	NA	NA	NA	NA	NA	NA	6	99.7	2	4	Z	2
Shelby	14	28.6	1 191	32.4	1 029	26.5	103.6	205.7	4	73.2	Z	2	–	1
Stark	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	1	Z	–	1
Stephenson	62	37.1	8 386	300.3	5 988	194.9	646.8	1 239.2	11	100.0	Z	5	2	3
Tazewell	118	39.8	7 015	311.1	4 985	195.5	1 160.7	2 512.9	798	5.6	12	15	36	29
Union	11	54.5	616	17.0	481	11.1	59.1	132.2	4	97.1	Z	1	–	1
Vermilion	104	42.3	7 055	228.9	5 467	161.4	657.4	1 696.1	16	39.1	Z	11	3	2
Wabash	15	26.7	611	20.5	466	13.4	40.6	55.8	8	82.1	Z	6	–	2
Warren	19	26.3	(6)	D	D	D	D	D	4	100.0	Z	2	–	1
Washington	16	31.3	1 397	44.5	1 036	25.8	104.2	222.4	3	72.6	Z	1	Z	1
Wayne	20	10.0	(6)	D	D	D	D	D	5	75.6	Z	1	–	3
White	NA	NA	NA	NA	NA	NA	NA	NA	6	100.0	2	1	–	5
Whiteside	102	39.2	7 374	245.0	6 187	179.6	547.5	1 381.8	33	99.0	18	6	5	20
Will	527	35.7	24 090	988.2	16 559	557.2	3 209.3	7 594.7	3 908	1.6	3	37	15	98
Williamson	51	23.5	2 551	69.2	1 720	43.8	161.7	425.1	14	14.3	Z	3	–	2
Winnebago	779	37.9	39 740	1 483.6	27 007	844.5	3 791.4	6 608.4	47	99.2	1	36	4	6
Woodford	55	34.5	2 272	74.7	1 847	49.0	406.3	644.9	11	39.2	Z	9	Z	1
INDIANA	9 303	42.4	625 692	22 121.4	478 248	14 956.5	67 210.9	142 270.7	9 139	7.8	116	669	2 275	505
Adams	67	55.2	6 536	189.6	5 323	133.7	485.4	1 428.9	7	66.1	–	3	2	1
Allen	576	38.7	36 585	1 362.0	26 869	891.3	3 762.1	9 182.2	55	20.2	Z	38	8	6
Bartholomew	145	46.9	13 311	412.1	10 184	282.5	1 321.9	3 096.7	22	87.3	2	12	2	4
Benton	16	43.8	562	12.6	404	8.2	29.8	58.8	2	89.2	Z	1	–	Z
Blackford	28	67.9	2 081	58.6	1 711	40.5	143.2	299.2	2	90.0	–	1	1	Z
Boone	73	28.8	1 769	48.5	1 365	31.1	108.1	190.9	5	70.8	Z	2	1	1
Brown	NA	NA	NA	NA	NA	NA	NA	NA	1	51.8	–	Z	–	Z
Carroll	33	27.3	2 191	50.3	1 935	39.1	120.4	500.8	5	82.7	Z	1	1	2
Cass	60	58.3	6 129	157.9	5 258	121.9	362.1	994.3	29	12.4	Z	4	Z	2

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 2,500 to 4,999 employees. [6] 1,000 to 2,499 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use–(mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
INDIANA—Con.														
Clark	163	36.2	(4)	D	D	D	D	D	31	44.5	–	13	4	3
Clay	34	38.2	(5)	D	D	D	D	D	2	81.0	–	1	Z	1
Clinton	49	51.0	4 959	148.1	4 263	103.6	672.7	1 565.1	7	98.2	Z	4	–	1
Crawford	NA	NA	NA	NA	NA	NA	NA	NA	6	43.7	–	2	3	1
Daviess	51	31.4	1 947	37.4	1 560	26.8	118.7	350.0	9	65.1	1	3	Z	3
Dearborn	39	35.9	(5)	D	D	D	D	D	622	1.7	–	4	6	13
Decatur	52	34.6	4 926	155.6	4 141	123.6	448.7	847.9	4	54.5	–	2	–	1
De Kalb	119	59.7	11 000	364.3	8 336	247.8	982.9	2 040.2	8	84.9	Z	4	2	1
Delaware	176	43.8	9 972	402.6	7 525	264.1	882.9	1 764.5	19	31.4	Z	12	4	2
Dubois	114	57.9	12 450	327.9	10 442	251.3	815.2	1 637.0	10	22.2	–	7	–	2
Elkhart	894	51.9	56 087	1 610.8	44 247	1 093.8	3 861.8	8 999.9	43	90.0	7	14	14	10
Fayette	36	47.2	4 809	217.0	3 860	164.3	688.0	1 254.3	4	96.4	–	3	–	1
Floyd	135	44.4	7 499	204.1	5 970	140.8	668.2	1 243.2	272	.4	–	6	Z	6
Fountain	22	50.0	2 616	67.8	2 193	50.6	155.7	282.8	4	94.6	Z	1	2	1
Franklin	19	31.6	812	23.3	566	13.6	68.3	134.5	3	81.5	Z	1	Z	1
Fulton	52	50.0	3 004	79.1	2 435	57.9	191.2	424.4	8	87.8	5	1	Z	5
Gibson	42	42.9	2 142	54.3	1 744	41.0	135.1	336.1	49	15.4	Z	2	–	2
Grant	80	48.8	9 375	395.2	7 924	313.5	736.8	1 784.4	14	67.1	–	7	3	2
Greene	26	30.8	1 136	18.5	973	13.9	37.4	171.7	24	18.9	13	3	1	13
Hamilton	191	29.3	5 687	185.8	4 065	104.2	491.5	836.3	76	20.6	Z	17	12	6
Hancock	66	24.2	2 564	88.4	1 901	54.3	273.5	712.9	5	95.6	Z	3	Z	1
Harrison	38	39.5	(6)	D	D	D	D	D	3	83.3	–	2	–	1
Hendricks	80	27.5	1 537	48.5	1 090	28.1	108.3	248.4	10	88.4	–	4	Z	2
Henry	57	29.8	3 516	164.8	2 818	131.3	297.3	688.7	12	74.4	Z	4	5	2
Howard	80	38.8	20 018	1 077.9	13 762	728.0	2 341.4	4 732.2	23	35.3	Z	13	Z	3
Huntington	78	53.8	7 451	207.8	5 618	121.9	652.8	1 245.5	5	95.3	–	3	Z	1
Jackson	90	43.3	5 848	179.4	4 560	116.3	544.7	1 182.7	10	44.3	1	4	2	2
Jasper	33	39.4	1 479	35.2	1 239	24.7	134.3	279.4	31	27.1	14	1	1	14
Jay	39	59.0	3 751	86.6	3 250	69.0	236.4	539.1	4	81.0	Z	2	1	1
Jefferson	51	39.2	3 655	97.3	2 787	64.8	257.5	548.9	1 318	.4	–	4	–	27
Jennings	42	52.4	2 410	55.7	2 002	41.6	145.4	263.2	4	16.9	–	1	–	1
Johnson	126	38.1	6 486	204.6	4 977	124.5	531.0	1 305.5	13	98.2	Z	11	Z	2
Knox	44	36.4	1 715	46.2	1 370	33.3	122.5	289.1	61	16.9	4	5	1	6
Kosciusko	186	45.7	14 949	514.1	11 122	311.2	1 716.5	2 969.2	23	78.9	8	4	3	10
Lagrange	77	42.9	4 765	154.3	3 832	114.5	371.7	887.4	12	68.1	6	1	Z	7
Lake	423	39.0	37 109	1 748.3	28 136	1 262.2	5 978.4	14 297.9	2 174	.7	12	84	1 284	115
La Porte	189	50.3	10 835	351.2	7 863	213.3	1 065.6	2 007.9	86	18.6	10	11	1	12
Lawrence	75	40.0	5 322	195.0	4 457	154.1	448.7	1 063.0	9	14.4	–	6	2	1
Madison	133	37.6	12 144	534.3	10 033	428.7	925.4	2 256.8	22	80.9	Z	13	3	3
Marion	1 194	36.6	66 571	2 898.6	46 673	1 800.7	11 970.6	19 561.3	318	14.4	Z	132	12	21
Marshall	143	58.0	8 588	230.2	6 756	159.8	718.5	1 516.0	7	89.2	1	3	1	2
Martin	9	44.4	575	17.7	502	13.8	57.9	133.4	3	58.8	–	1	1	1
Miami	50	42.0	2 491	64.0	1 793	42.9	228.5	385.9	7	58.2	Z	2	Z	1
Monroe	122	32.0	8 817	302.6	7 410	221.8	1 094.0	2 444.2	15	3.2	–	14	Z	2
Montgomery	67	43.3	7 634	264.1	5 828	181.8	890.6	1 878.7	7	91.4	Z	3	1	1
Morgan	65	30.8	2 869	78.7	2 109	46.6	252.1	472.3	151	6.5	–	5	2	4
Newton	29	37.9	1 474	34.4	1 235	24.5	88.9	176.5	4	80.6	3	1	–	3
Noble	143	55.9	10 818	309.2	8 831	221.3	874.3	1 821.7	10	87.7	1	3	2	3
Ohio	NA	NA	NA	NA	NA	NA	NA	NA	1	89.7	–	1	–	Z
Orange	34	47.1	2 478	55.3	2 114	43.0	137.8	296.4	3	34.8	–	1	Z	1
Owen	24	25.0	1 242	31.5	870	18.1	52.9	109.2	2	90.9	–	1	–	Z
Parke	17	41.2	641	13.7	525	9.4	41.7	92.1	2	88.9	Z	1	–	Z
Perry	27	40.7	1 211	33.6	1 069	28.0	77.5	141.1	2	89.3	–	2	Z	Z
Pike	NA	NA	NA	NA	NA	NA	NA	NA	473	.7	–	1	–	10
Porter	146	35.6	12 353	624.5	9 171	462.3	1 713.9	4 353.6	679	2.0	4	16	395	35
Posey	31	48.4	(6)	D	D	D	D	D	20	13.7	1	2	10	2
Pulaski	20	55.0	1 353	41.1	1 079	25.9	79.0	218.1	10	56.7	5	1	1	5
Putnam	25	44.0	2 482	64.8	2 017	45.8	187.4	421.7	8	78.0	–	4	1	1
Randolph	54	42.6	3 080	86.5	2 264	62.8	194.8	361.0	4	72.6	–	2	1	1
Ripley	35	28.6	3 168	109.9	2 071	59.4	567.5	755.2	4	27.3	–	3	–	1
Rush	32	37.5	1 081	32.4	786	19.9	188.9	289.1	3	76.3	Z	1	1	1
St. Joseph	457	39.2	20 435	698.9	14 401	410.9	1 998.9	4 149.7	94	66.6	5	31	16	15
Scott	34	52.9	(6)	D	D	D	D	D	4	3.3	–	3	Z	1
Shelby	86	48.8	6 656	218.5	5 151	149.5	509.7	1 188.8	8	78.4	1	3	1	2
Spencer	19	47.4	1 369	36.3	1 106	26.9	73.0	134.0	32	10.0	Z	2	–	1
Starke	19	57.9	1 357	29.7	1 082	19.3	72.3	143.3	7	56.1	5	1	Z	5
Steuben	110	58.2	6 774	189.0	5 457	138.2	517.6	1 056.5	4	85.9	Z	1	Z	1
Sullivan	18	38.9	579	14.3	473	9.6	31.8	73.0	450	1.4	2	2	1	11
Switzerland	6	50.0	619	10.7	567	9.4	29.0	58.7	4	96.5	–	1	–	Z
Tippecanoe	113	46.0	16 695	692.2	12 922	443.9	2 585.8	7 519.0	45	95.8	Z	14	21	5

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	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use–(mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
INDIANA—Con.														
Tipton	22	31.8	954	30.5	753	21.0	85.0	199.3	2	97.3	–	1	Z	1
Union	NA	NA	NA	NA	NA	NA	NA	NA	1	86.4	–	Z	–	Z
Vanderburgh	271	38.4	17 536	607.7	11 415	330.5	2 317.4	3 824.6	30	4.4	Z	28	Z	4
Vermillion	10	40.0	(4)	D	D	D	D	D	470	2.4	–	1	9	10
Vigo	137	40.1	7 464	255.2	5 627	172.2	989.3	1 891.8	328	7.1	Z	12	8	9
Wabash	77	50.6	5 300	156.3	4 254	106.4	354.0	812.8	10	84.1	Z	6	2	2
Warren	NA	NA	NA	NA	NA	NA	NA	NA	6	98.6	Z	1	5	1
Warrick	53	20.8	(5)	D	D	D	D	D	709	1.1	–	2	412	32
Washington	40	35.0	2 824	66.9	2 450	53.8	164.7	298.7	4	26.6	–	2	–	1
Wayne	132	56.1	8 940	270.0	7 107	185.0	715.3	1 598.7	16	39.8	Z	8	3	2
Wells	49	57.1	3 615	106.2	2 475	62.3	245.1	490.2	4	84.5	–	2	1	1
White	56	37.5	3 402	90.6	2 817	66.9	229.2	638.0	6	90.5	1	2	Z	2
Whitley	66	47.0	4 327	117.3	3 642	86.4	317.5	908.8	4	89.9	Z	1	Z	1
IOWA	3 749	37.7	235 880	7 573.3	175 933	4 936.1	28 673.3	62 413.7	3 035	17.4	39	373	258	290
Adair	8	37.5	527	15.1	469	12.0	33.3	101.9	2	62.0	–	1	–	1
Adams	NA	NA	NA	NA	NA	NA	NA	NA	2	39.5	–	Z	–	1
Allamakee	26	30.8	1 505	27.4	1 313	22.3	82.5	209.7	212	1.8	–	1	1	2
Appanoose	15	26.7	1 070	30.1	890	21.2	84.1	156.5	5	12.2	Z	5	–	1
Audubon	NA	NA	NA	NA	NA	NA	NA	NA	2	80.8	–	1	–	1
Benton	NA	NA	NA	NA	NA	NA	NA	NA	3	87.3	–	1	–	2
Black Hawk	165	42.4	13 542	555.7	9 967	382.1	2 258.4	5 133.1	57	66.3	Z	20	19	10
Boone	26	46.2	914	22.5	733	16.0	67.8	131.9	3	93.8	–	2	–	1
Bremer	39	43.6	1 993	58.6	1 485	40.4	126.8	446.3	5	66.2	Z	2	–	2
Buchanan	35	37.1	1 230	31.7	1 068	24.3	78.1	277.7	4	81.1	Z	1	Z	2
Buena Vista	28	28.6	2 546	55.2	2 185	46.0	112.3	688.6	5	93.7	Z	4	–	2
Butler	23	30.4	601	16.3	504	12.1	36.4	70.7	8	30.2	Z	1	–	2
Calhoun	NA	NA	NA	NA	NA	NA	NA	NA	2	91.5	Z	1	–	1
Carroll	39	33.3	1 588	41.7	1 375	33.5	205.8	423.8	5	82.3	Z	2	Z	3
Cass	25	40.0	1 112	29.8	844	20.2	71.2	150.7	4	74.9	–	2	–	1
Cedar	25	32.0	810	19.4	588	11.4	53.4	122.3	3	86.3	–	1	Z	2
Cerro Gordo	61	41.0	3 703	98.9	2 789	67.5	275.6	719.8	9	82.7	Z	7	–	2
Cherokee	15	40.0	904	24.6	758	19.2	42.5	188.5	5	92.1	Z	3	Z	2
Chickasaw	25	32.0	1 674	42.2	1 367	28.6	158.0	414.4	3	87.5	Z	1	–	2
Clarke	19	47.4	1 152	21.4	1 009	16.9	89.6	209.4	2	47.4	–	1	–	1
Clay	28	39.3	1 180	34.9	989	26.5	97.9	202.3	3	94.3	Z	2	Z	1
Clayton	31	38.7	1 538	28.6	1 289	19.6	73.8	184.6	5	84.6	–	1	Z	4
Clinton	59	47.5	5 148	175.6	4 072	123.8	1 097.5	2 106.9	279	5.8	Z	5	138	21
Crawford	22	45.5	1 879	49.5	1 648	38.1	131.5	908.9	4	88.8	Z	Z	1	2
Dallas	41	46.3	2 489	59.7	2 095	46.0	132.8	451.2	6	91.5	Z	3	1	2
Davis	NA	NA	NA	NA	NA	NA	NA	NA	1	57.8	–	Z	–	1
Decatur	NA	NA	NA	NA	NA	NA	NA	NA	2	69.1	–	1	–	1
Delaware	34	26.5	1 144	33.7	906	24.3	171.0	327.5	6	76.1	–	1	Z	4
Des Moines	66	48.5	6 772	228.9	5 119	155.4	553.6	1 320.8	115	1.9	Z	6	Z	2
Dickinson	31	25.8	2 386	60.3	1 892	39.8	117.0	353.4	3	29.8	Z	2	–	1
Dubuque	133	48.9	10 687	386.9	7 698	248.1	1 391.5	3 074.9	82	28.1	Z	10	21	10
Emmet	15	46.7	752	18.2	567	12.4	39.6	115.8	2	71.2	Z	1	Z	1
Fayette	24	58.3	1 539	38.9	1 271	29.5	94.0	262.4	5	80.4	Z	2	Z	3
Floyd	17	29.4	591	16.6	470	11.1	30.5	94.5	4	87.5	Z	2	1	2
Franklin	22	27.3	790	21.6	663	16.4	40.3	83.9	3	68.4	Z	1	–	1
Fremont	NA	NA	NA	NA	NA	NA	NA	NA	6	41.5	Z	1	Z	1
Greene	17	29.4	525	14.4	393	8.8	36.3	83.4	2	82.7	Z	1	–	1
Grundy	NA	NA	NA	NA	NA	NA	NA	NA	2	88.8	–	1	–	1
Guthrie	NA	NA	NA	NA	NA	NA	NA	NA	2	76.0	Z	1	–	1
Hamilton	30	46.7	2 861	75.8	2 377	55.6	161.3	472.0	3	91.5	Z	2	–	1
Hancock	27	33.3	1 126	29.7	797	17.9	55.0	221.2	4	78.1	Z	1	1	2
Hardin	39	41.0	1 580	34.8	1 309	26.2	91.0	375.8	5	72.3	Z	2	Z	2
Harrison	NA	NA	NA	NA	NA	NA	NA	NA	12	87.2	8	1	–	9
Henry	34	35.3	2 839	85.2	2 130	57.8	357.0	717.4	3	49.0	–	2	–	1
Howard	20	25.0	1 405	29.2	1 169	25.7	91.5	177.7	2	80.5	Z	1	–	1
Humboldt	28	50.0	1 257	31.8	902	19.9	80.6	159.7	4	42.1	Z	1	–	1
Ida	9	44.4	1 112	32.5	887	18.1	75.7	165.0	2	86.6	Z	1	–	1
Iowa	31	32.3	4 698	144.7	3 813	101.2	283.7	678.8	3	89.7	Z	1	1	2
Jackson	34	50.0	1 208	25.7	1 019	18.2	80.6	194.5	9	41.6	Z	1	–	3
Jasper	46	28.3	3 702	132.4	3 067	99.9	494.9	740.0	8	91.9	Z	5	–	3
Jefferson	37	35.1	1 751	56.4	1 508	43.8	150.0	256.6	3	94.0	–	2	–	1
Johnson	89	15.7	3 639	121.1	2 940	89.5	1 857.6	2 510.4	63	11.3	Z	9	Z	5
Jones	23	34.8	889	23.5	716	16.9	79.0	170.1	4	86.1	–	1	–	2
Keokuk	NA	NA	NA	NA	NA	NA	NA	NA	3	70.0	–	1	–	2

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 2,500 to 4,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
IOWA—Con.														
Kossuth	30	33.3	1 126	33.7	918	25.1	92.9	207.3	3	89.5	Z	1	–	2
Lee	70	51.4	6 397	209.0	4 910	144.8	762.0	1 671.5	19	32.5	Z	11	5	4
Linn	239	39.7	22 877	935.0	11 730	388.4	3 617.0	6 376.1	260	21.2	Z	42	10	13
Louisa	11	36.4	(4)	D	D	D	D	D	10	98.6	3	1	2	4
Lucas	NA	NA	NA	NA	NA	NA	NA	NA	1	45.7	–	1	–	1
Lyon	NA	NA	NA	NA	NA	NA	NA	NA	4	87.9	Z	2	–	3
Madison	NA	NA	NA	NA	NA	NA	NA	NA	2	85.2	–	1	–	1
Mahaska	26	42.3	1 020	26.3	805	18.1	112.0	230.6	4	91.4	Z	2	–	2
Marion	44	31.8	6 687	229.8	5 426	167.4	690.7	1 388.5	6	73.9	Z	3	–	2
Marshall	44	38.6	5 363	174.0	3 719	102.4	516.7	1 413.2	11	79.3	Z	6	1	3
Mills	NA	NA	NA	NA	NA	NA	NA	NA	3	93.7	1	1	–	2
Mitchell	16	56.3	1 021	27.4	842	17.0	104.4	186.3	2	77.3	Z	Z	–	2
Monona	NA	NA	NA	NA	NA	NA	NA	NA	12	98.1	10	1	–	11
Monroe	18	50.0	863	32.8	542	20.0	163.7	593.2	1	85.7	–	Z	Z	1
Montgomery	11	45.5	1 365	32.4	1 222	26.6	92.7	185.0	2	92.6	–	1	–	1
Muscatine	70	47.1	6 523	252.7	4 937	176.2	1 506.7	2 631.1	270	15.2	3	27	27	12
O'Brien	NA	NA	NA	NA	NA	NA	NA	NA	4	88.8	Z	2	–	2
Osceola	NA	NA	NA	NA	NA	NA	NA	NA	3	83.4	Z	1	–	1
Page	27	33.3	2 271	78.0	1 937	62.0	296.5	477.3	3	56.5	Z	2	–	1
Palo Alto	NA	NA	NA	NA	NA	NA	NA	NA	3	83.7	1	1	–	2
Plymouth	26	30.8	(4)	D	D	D	D	D	6	88.5	Z	3	–	4
Pocahontas	19	31.6	821	20.3	630	12.9	53.8	91.8	2	89.7	Z	1	–	1
Polk	410	32.0	19 790	688.6	13 985	427.6	2 106.9	5 054.9	57	19.7	Z	50	–	11
Pottawattamie	59	44.1	4 109	113.2	3 285	84.6	429.4	888.7	469	1.0	1	14	Z	6
Poweshiek	32	46.9	1 533	42.7	1 249	30.1	108.9	226.6	3	81.8	–	2	–	2
Ringgold	NA	NA	NA	NA	NA	NA	NA	NA	1	62.2	–	Z	–	1
Sac	NA	NA	NA	NA	NA	NA	NA	NA	3	81.3	Z	1	Z	2
Scott	210	37.1	11 845	478.3	8 748	323.8	2 189.8	4 614.8	101	4.4	Z	19	1	6
Shelby	NA	NA	NA	NA	NA	NA	NA	NA	3	87.5	Z	1	–	2
Sioux	67	41.8	4 610	104.6	3 387	74.8	305.7	822.0	16	77.0	3	6	Z	8
Story	75	37.3	3 577	108.4	2 449	58.2	652.1	988.6	13	97.8	Z	9	–	4
Tama	14	42.9	911	22.5	757	16.1	59.8	236.1	5	93.3	–	2	2	2
Taylor	NA	NA	NA	NA	NA	NA	NA	NA	1	62.2	–	Z	–	1
Union	19	42.1	1 031	24.6	774	16.6	53.1	113.2	3	25.7	–	2	–	1
Van Buren	14	35.7	653	14.8	559	11.0	30.2	54.4	1	64.1	–	Z	–	1
Wapello	22	40.9	2 701	92.5	2 139	64.7	290.7	741.8	20	3.7	–	6	7	8
Warren	NA	NA	NA	NA	NA	NA	NA	NA	8	49.7	Z	2	–	2
Washington	32	40.6	1 441	41.2	1 160	26.6	96.7	196.2	4	84.5	Z	1	–	2
Wayne	13	53.8	(5)	D	D	D	D	D	1	61.5	–	Z	–	1
Webster	60	33.3	2 554	81.7	1 625	48.2	748.3	1 110.9	9	76.0	Z	4	1	2
Winnebago	13	38.5	4 006	105.5	3 292	70.2	262.8	640.5	2	94.3	Z	1	–	1
Winneshiek	29	31.0	1 453	38.0	1 233	27.9	99.7	215.0	5	87.3	Z	2	Z	3
Woodbury	113	52.2	(6)	D	D	D	D	D	672	5.8	2	15	15	9
Worth	12	25.0	596	12.5	458	8.3	26.2	49.2	5	18.2	Z	Z	–	1
Wright	25	40.0	1 318	39.2	1 021	27.1	131.0	546.5	3	96.7	Z	1	1	1
KANSAS	3 309	34.8	193 742	6 532.5	141 169	4 052.5	17 650.6	46 296.4	5 235	67.1	3 383	370	53	3 620
Allen	28	42.9	1 722	45.7	1 296	29.3	165.1	277.3	3	6.9	Z	2	Z	2
Anderson	NA	NA	NA	NA	NA	NA	NA	NA	2	18.6	Z	Z	–	1
Atchison	24	41.7	1 753	53.7	1 415	37.7	119.3	360.1	6	14.9	Z	5	–	3
Barber	NA	NA	NA	NA	NA	NA	NA	NA	5	99.6	2	1	–	4
Barton	45	22.2	1 608	34.0	1 102	21.6	112.5	308.1	38	100.0	31	3	1	35
Bourbon	29	55.2	1 295	29.4	999	19.0	80.2	149.0	3	9.3	Z	2	–	2
Brown	18	33.3	820	18.0	699	12.8	37.8	75.8	2	71.8	Z	1	–	1
Butler	52	26.9	1 704	58.8	1 237	35.8	243.7	1 132.7	13	25.0	1	9	Z	9
Chase	NA	NA	NA	NA	NA	NA	NA	NA	1	64.4	Z	Z	–	1
Chautauqua	NA	NA	NA	NA	NA	NA	NA	NA	1	61.3	Z	Z	–	1
Cherokee	44	36.4	2 291	59.6	1 613	34.5	120.9	343.5	92	3.9	Z	3	Z	4
Cheyenne	NA	NA	NA	NA	NA	NA	NA	NA	38	99.8	36	1	–	37
Clark	NA	NA	NA	NA	NA	NA	NA	NA	5	96.0	4	Z	–	5
Clay	NA	NA	NA	NA	NA	NA	NA	NA	15	94.6	12	2	–	13
Cloud	NA	NA	NA	NA	NA	NA	NA	NA	15	94.9	12	1	Z	13
Coffey	NA	NA	NA	NA	NA	NA	NA	NA	24	1.9	Z	1	–	14
Comanche	NA	NA	NA	NA	NA	NA	NA	NA	8	99.2	7	Z	–	7
Cowley	47	40.4	3 793	107.3	3 123	78.5	367.2	1 176.7	10	70.0	1	5	1	5
Crawford	74	40.5	3 206	77.2	2 557	55.3	238.8	519.3	7	76.2	1	5	–	4
Decatur	NA	NA	NA	NA	NA	NA	NA	NA	13	100.0	11	1	–	13
Dickinson	25	28.0	1 161	24.6	945	15.7	87.5	160.9	5	79.4	2	2	–	4

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 500 to 999 employees. [6] 5,000 to 9,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
KANSAS—Con.														
Doniphan	8	50.0	([4])	D	D	D	D	D	1	97.6	Z	Z	–	1
Douglas	76	32.9	4 240	120.0	3 213	76.9	393.4	728.8	22	29.2	1	12	3	12
Edwards	NA	NA	NA	NA	NA	NA	NA	NA	95	100.0	94	Z	–	94
Elk	NA	NA	NA	NA	NA	NA	NA	NA	1	3.5	–	Z	–	1
Ellis	28	28.6	1 061	20.6	916	12.9	47.1	95.1	5	96.3	1	2	Z	3
Ellsworth	NA	NA	NA	NA	NA	NA	NA	NA	3	73.4	Z	1	Z	2
Finney	38	26.3	5 416	123.4	4 675	102.4	272.5	2 420.2	295	100.0	276	6	6	282
Ford	29	37.9	([5])	D	D	D	D	D	104	99.9	90	5	4	99
Franklin	25	32.0	806	22.0	596	14.2	60.2	151.0	3	25.3	Z	2	–	2
Geary	NA	NA	NA	NA	NA	NA	NA	NA	9	93.4	2	6	–	4
Gove	NA	NA	NA	NA	NA	NA	NA	NA	20	100.0	18	Z	–	20
Graham	NA	NA	NA	NA	NA	NA	NA	NA	11	99.8	10	Z	Z	10
Grant	NA	NA	NA	NA	NA	NA	NA	NA	173	100.0	167	1	1	169
Gray	NA	NA	NA	NA	NA	NA	NA	NA	226	99.1	222	1	–	221
Greeley	NA	NA	NA	NA	NA	NA	NA	NA	26	100.0	25	Z	Z	26
Greenwood	NA	NA	NA	NA	NA	NA	NA	NA	2	20.2	Z	1	–	2
Hamilton	NA	NA	NA	NA	NA	NA	NA	NA	47	85.2	45	1	–	45
Harper	NA	NA	NA	NA	NA	NA	NA	NA	3	90.2	1	1	–	2
Harvey	55	41.8	2 855	87.9	2 235	60.4	195.5	446.6	42	99.4	22	19	Z	24
Haskell	NA	NA	NA	NA	NA	NA	NA	NA	291	99.9	287	1	–	284
Hodgeman	NA	NA	NA	NA	NA	NA	NA	NA	33	98.6	31	Z	Z	32
Jackson	NA	NA	NA	NA	NA	NA	NA	NA	2	84.7	–	1	–	2
Jefferson	NA	NA	NA	NA	NA	NA	NA	NA	3	88.3	1	2	–	2
Jewell	NA	NA	NA	NA	NA	NA	NA	NA	78	3.0	77	1	–	9
Johnson	551	34.1	20 590	662.8	13 670	355.2	1 813.4	3 659.3	12	50.5	2	9	Z	26
Kearny	NA	NA	NA	NA	NA	NA	NA	NA	192	61.3	189	1	–	167
Kingman	NA	NA	NA	NA	NA	NA	NA	NA	16	96.0	13	1	Z	15
Kiowa	NA	NA	NA	NA	NA	NA	NA	NA	51	100.0	50	Z	–	50
Labette	40	42.5	2 298	64.4	1 616	35.8	142.2	254.5	5	6.5	Z	2	Z	3
Lane	NA	NA	NA	NA	NA	NA	NA	NA	20	100.0	19	Z	–	20
Leavenworth	36	25.0	645	16.2	474	10.0	35.4	62.3	10	71.3	Z	8	Z	6
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	1	84.0	Z	Z	Z	1
Linn	NA	NA	NA	NA	NA	NA	NA	NA	727	Z	Z	1	–	8
Logan	NA	NA	NA	NA	NA	NA	NA	NA	8	100.0	7	1	–	8
Lyon	40	42.5	6 478	167.1	4 210	100.1	443.6	2 054.1	9	4.3	Z	7	–	5
McPherson	68	42.6	3 845	131.2	2 709	82.1	632.4	1 633.5	30	95.1	21	4	3	26
Marion	NA	NA	NA	NA	NA	NA	NA	NA	3	59.9	1	1	Z	3
Marshall	21	33.3	880	23.0	685	16.6	46.6	106.8	3	74.8	1	1	Z	2
Meade	NA	NA	NA	NA	NA	NA	NA	NA	157	100.0	156	1	–	153
Miami	31	19.4	682	19.1	519	12.4	36.0	58.2	4	5.7	Z	3	–	2
Mitchell	NA	NA	NA	NA	NA	NA	NA	NA	12	9.9	10	1	Z	9
Montgomery	61	49.2	4 590	121.6	3 435	80.9	434.8	1 482.9	9	2.9	Z	6	1	4
Morris	NA	NA	NA	NA	NA	NA	NA	NA	2	59.4	Z	Z	Z	2
Morton	NA	NA	NA	NA	NA	NA	NA	NA	56	100.0	54	1	Z	54
Nemaha	19	42.1	1 047	30.3	771	14.7	68.1	209.5	3	92.4	Z	1	Z	2
Neosho	40	55.0	2 281	53.7	1 796	36.3	137.1	289.0	3	2.2	Z	2	Z	2
Ness	NA	NA	NA	NA	NA	NA	NA	NA	6	91.7	4	Z	–	5
Norton	NA	NA	NA	NA	NA	NA	NA	NA	12	84.1	11	1	–	11
Osage	NA	NA	NA	NA	NA	NA	NA	NA	2	18.5	Z	1	–	2
Osborne	NA	NA	NA	NA	NA	NA	NA	NA	5	66.9	3	1	–	6
Ottawa	NA	NA	NA	NA	NA	NA	NA	NA	3	91.1	2	Z	–	3
Pawnee	NA	NA	NA	NA	NA	NA	NA	NA	68	99.3	65	1	–	66
Phillips	NA	NA	NA	NA	NA	NA	NA	NA	32	27.4	30	1	–	11
Pottawatomie	22	36.4	720	25.8	501	16.9	74.3	134.2	40	40.0	6	5	–	33
Pratt	NA	NA	NA	NA	NA	NA	NA	NA	77	99.8	73	2	–	75
Rawlins	NA	NA	NA	NA	NA	NA	NA	NA	16	99.7	15	Z	–	16
Reno	97	42.3	5 141	161.3	3 869	111.4	438.3	849.7	58	96.6	26	8	17	48
Republic	8	25.0	([4])	D	D	D	D	D	29	83.9	26	1	–	52
Rice	NA	NA	NA	NA	NA	NA	NA	NA	20	98.6	16	1	2	19
Riley	28	17.9	533	14.4	422	10.6	45.8	75.8	6	91.7	2	2	Z	7
Rooks	NA	NA	NA	NA	NA	NA	NA	NA	17	14.7	15	1	–	3
Rush	NA	NA	NA	NA	NA	NA	NA	NA	10	99.6	9	1	–	9
Russell	NA	NA	NA	NA	NA	NA	NA	NA	1	45.5	–	1	–	1
Saline	87	34.5	6 434	193.2	5 294	145.5	386.7	1 212.2	10	68.1	3	6	–	6
Scott	NA	NA	NA	NA	NA	NA	NA	NA	64	100.0	59	1	–	62
Sedgwick	595	37.6	61 675	2 569.7	40 767	1 400.1	5 282.8	10 638.7	89	70.9	27	44	4	60
Seward	10	40.0	([5])	D	D	D	D	D	160	100.0	150	4	2	152
Shawnee	140	35.0	7 722	265.4	6 334	196.6	949.4	1 805.6	43	31.3	7	28	5	22
Sheridan	NA	NA	NA	NA	NA	NA	NA	NA	78	99.9	77	Z	–	77

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 2,500 to 4,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
KANSAS—Con.														
Sherman	NA	NA	NA	NA	NA	NA	NA	NA	90	100.0	87	1	Z	88
Smith	NA	NA	NA	NA	NA	NA	NA	NA	5	83.6	3	1	–	11
Stafford	NA	NA	NA	NA	NA	NA	NA	NA	76	100.0	73	Z	–	74
Stanton	NA	NA	NA	NA	NA	NA	NA	NA	164	100.0	162	1	Z	160
Stevens	NA	NA	NA	NA	NA	NA	NA	NA	189	100.0	186	1	–	186
Sumner	44	18.2	1 262	45.1	998	32.4	95.6	194.6	7	88.7	3	3	Z	6
Thomas	NA	NA	NA	NA	NA	NA	NA	NA	91	100.0	88	2	–	89
Trego	NA	NA	NA	NA	NA	NA	NA	NA	5	99.4	3	Z	–	4
Wabaunsee	NA	NA	NA	NA	NA	NA	NA	NA	4	78.9	2	Z	–	3
Wallace	NA	NA	NA	NA	NA	NA	NA	NA	62	100.0	61	Z	–	61
Washington	NA	NA	NA	NA	NA	NA	NA	NA	6	72.6	3	1	–	5
Wichita	NA	NA	NA	NA	NA	NA	NA	NA	76	100.0	73	Z	Z	73
Wilson	29	34.5	1 256	35.0	984	22.6	82.0	261.5	3	4.0	Z	1	Z	2
Woodson	NA	NA	NA	NA	NA	NA	NA	NA	1	2.1	Z	Z	–	1
Wyandotte	262	43.9	15 083	638.9	11 778	466.8	2 872.9	7 678.2	479	.9	Z	84	1	13
KENTUCKY	4 218	40.6	288 405	9 198.1	223 868	6 251.6	38 337.6	86 636.1	4 420	5.1	12	496	347	318
Adair	20	20.0	533	8.3	437	6.4	18.8	30.8	2	5.5	Z	1	–	1
Allen	12	66.7	1 858	41.6	1 648	34.1	110.6	285.1	2	3.8	Z	1	–	1
Anderson	20	50.0	(4)	D	D	D	D	D	3	2.4	Z	2	1	1
Ballard	12	41.7	(5)	D	D	D	D	D	23	7.6	Z	Z	22	2
Barren	55	56.4	5 672	154.5	4 635	120.1	325.7	796.0	8	4.7	Z	6	–	2
Bath	NA	NA	NA	NA	NA	NA	NA	NA	5	.9	Z	Z	–	1
Bell	22	36.4	858	18.6	681	12.3	50.6	125.8	8	13.1	–	3	Z	Z
Boone	134	46.3	9 050	305.7	6 878	190.3	880.4	1 857.4	8	11.0	Z	–	Z	7
Bourbon	19	47.4	(4)	D	D	D	D	D	3	8.1	Z	2	–	1
Boyd	42	40.5	4 395	203.4	3 491	158.6	668.2	2 930.8	80	1.8	Z	10	70	3
Boyle	33	60.6	4 604	130.5	3 537	89.8	370.5	778.3	5	1.9	Z	4	–	1
Bracken	NA	NA	NA	NA	NA	NA	NA	NA	2	73.0	Z	1	Z	1
Breathitt	NA	NA	NA	NA	NA	NA	NA	NA	1	36.2	–	1	–	Z
Breckinridge	NA	NA	NA	NA	NA	NA	NA	NA	2	18.6	Z	1	–	1
Bullitt	49	24.5	2 959	85.6	2 438	63.7	172.0	344.8	4	27.1	Z	–	2	1
Butler	15	60.0	1 886	37.6	1 664	29.2	228.7	355.1	2	3.3	Z	1	–	Z
Caldwell	19	21.1	659	18.7	537	12.9	49.4	121.6	1	3.9	–	1	–	Z
Calloway	28	28.6	2 983	69.1	2 639	52.7	519.8	817.4	5	88.5	Z	3	1	1
Campbell	83	38.6	3 043	105.0	2 062	71.2	400.2	726.1	32	.1	Z	30	1	2
Carlisle	NA	NA	NA	NA	NA	NA	NA	NA	3	90.6	Z	Z	2	Z
Carroll	18	61.1	2 378	94.8	1 658	58.7	634.9	1 408.7	43	37.7	Z	1	16	23
Carter	18	44.4	612	8.9	559	7.5	29.4	40.0	3	6.8	Z	3	–	Z
Casey	27	33.3	946	16.0	742	12.4	34.5	80.3	2	26.6	Z	1	–	1
Christian	56	42.9	4 469	115.4	3 632	79.9	332.2	780.8	10	6.1	Z	9	–	2
Clark	46	60.9	3 635	87.0	3 032	65.9	252.4	661.1	109	.1	Z	5	Z	2
Clay	NA	NA	NA	NA	NA	NA	NA	NA	3	20.1	Z	2	–	Z
Clinton	15	40.0	671	9.9	572	7.8	24.2	45.7	1	2.3	Z	1	–	Z
Crittenden	NA	NA	NA	NA	NA	NA	NA	NA	1	22.3	–	Z	–	Z
Cumberland	NA	NA	NA	NA	NA	NA	NA	NA	1	3.7	Z	1	–	Z
Daviess	114	45.6	8 011	276.8	6 002	187.3	1 106.8	2 938.2	220	10.4	Z	15	8	2
Edmonson	NA	NA	NA	NA	NA	NA	NA	NA	1	3.3	Z	1	–	1
Elliott	NA	NA	NA	NA	NA	NA	NA	NA	Z	75.0	Z	Z	–	Z
Estill	NA	NA	NA	NA	NA	NA	NA	NA	2	4.5	Z	1	–	Z
Fayette	283	32.5	17 403	654.0	10 380	275.0	2 147.7	4 313.9	43	1.5	1	41	–	4
Fleming	19	31.6	650	14.6	560	11.6	22.3	54.8	2	4.3	Z	1	–	1
Floyd	NA	NA	NA	NA	NA	NA	NA	NA	4	11.9	–	3	Z	Z
Franklin	40	45.0	3 435	97.8	2 804	70.6	302.0	592.4	9	1.4	Z	7	Z	1
Fulton	14	64.3	1 087	23.4	895	17.9	80.5	194.1	2	97.0	–	2	Z	Z
Gallatin	NA	NA	NA	NA	NA	NA	NA	NA	1	43.2	Z	Z	Z	Z
Garrard	NA	NA	NA	NA	NA	NA	NA	NA	2	3.6	Z	1	–	1
Grant	16	37.5	(5)	D	D	D	D	D	2	3.9	Z	2	–	1
Graves	50	34.0	3 053	101.4	2 282	72.2	208.8	537.6	15	94.1	Z	3	11	2
Grayson	31	41.9	2 462	47.8	2 223	41.0	107.9	382.5	3	2.7	Z	2	–	1
Green	NA	NA	NA	NA	NA	NA	NA	NA	2	3.0	Z	1	–	1
Greenup	13	53.8	600	23.4	479	17.3	48.5	108.6	16	10.0	Z	3	13	1
Hancock	13	53.8	1 862	80.9	1 330	54.0	222.8	1 049.0	251	10.2	Z	1	25	1
Hardin	68	44.1	7 162	216.8	5 575	155.8	734.4	1 633.9	13	60.2	Z	12	1	2
Harlan	NA	NA	NA	NA	NA	NA	NA	NA	5	19.4	Z	3	–	1
Harrison	19	36.8	1 730	54.9	1 372	37.9	196.4	353.3	3	2.4	1	2	–	1
Hart	10	40.0	(5)	D	D	D	D	D	4	2.5	Z	3	–	1

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 500 to 999 employees.

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[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
KENTUCKY—Con.														
Henderson	78	56.4	6 862	208.0	5 465	148.5	912.2	1 722.9	118	2.6	–	7	1	36
Henry	8	50.0	555	17.1	490	13.9	73.0	213.9	3	68.9	Z	2	–	1
Hickman	NA	NA	NA	NA	NA	NA	NA	NA	1	38.2	Z	Z	–	1
Hopkins	55	38.2	2 606	89.7	1 939	60.5	245.2	572.8	18	33.8	Z	7	5	1
Jackson	13	38.5	1 940	28.4	1 603	18.7	5.4	173.3	1	6.7	Z	1	–	Z
Jefferson	873	41.9	56 948	2 201.4	43 631	1 551.9	15 278.7	30 261.6	928	2.3	Z	140	72	25
Jessamine	67	37.3	2 379	67.9	1 834	45.4	327.0	675.4	4	2.8	Z	3	–	1
Johnson	NA	NA	NA	NA	NA	NA	NA	NA	2	19.2	–	2	–	Z
Kenton	161	39.8	6 810	233.4	4 874	133.1	860.5	1 482.8	8	6.0	Z	8	–	1
Knott	NA	NA	NA	NA	NA	NA	NA	NA	1	69.1	–	Z	–	Z
Knox	17	35.3	877	20.6	725	16.7	67.9	160.6	1	49.5	Z	Z	–	Z
Larue	12	33.3	641	10.1	548	7.3	11.4	25.3	1	12.8	Z	Z	–	1
Laurel	44	40.9	2 595	57.4	1 849	35.0	130.6	319.1	10	1.3	Z	9	–	1
Lawrence	NA	NA	NA	NA	NA	NA	NA	NA	16	2.4	Z	1	8	7
Lee	NA	NA	NA	NA	NA	NA	NA	NA	1	10.0	–	1	–	Z
Leslie	NA	NA	NA	NA	NA	NA	NA	NA	3	12.7	–	1	–	Z
Letcher	NA	NA	NA	NA	NA	NA	NA	NA	2	55.0	–	1	–	Z
Lewis	15	46.7	804	15.7	773	14.8	67.0	89.9	1	72.5	Z	1	–	1
Lincoln	18	33.3	737	18.9	504	8.4	20.2	54.7	2	15.1	Z	1	–	1
Livingston	NA	NA	NA	NA	NA	NA	NA	NA	24	11.8	Z	1	22	1
Logan	41	48.8	4 650	126.0	3 966	92.1	394.5	781.7	5	2.4	Z	2	1	1
Lyon	NA	NA	NA	NA	NA	NA	NA	NA	2	21.2	Z	2	–	Z
McCracken	58	48.3	4 081	155.2	2 559	81.0	543.2	978.9	1 006	.1	Z	8	16	1
McCreary	16	37.5	(4)	D	D	D	D	D	1	4.4	–	1	–	Z
McLean	NA	NA	NA	NA	NA	NA	NA	NA	1	14.5	–	1	–	Z
Madison	68	52.9	5 460	160.3	3 916	106.1	543.5	1 576.1	12	1.7	Z	11	–	2
Magoffin	NA	NA	NA	NA	NA	NA	NA	NA	1	40.4	–	1	–	Z
Marion	22	63.6	1 554	34.4	1 327	24.9	87.2	175.1	3	1.7	Z	2	Z	1
Marshall	35	51.4	2 881	141.0	2 022	93.1	747.1	1 715.5	22	20.2	Z	3	18	1
Martin	NA	NA	NA	NA	NA	NA	NA	NA	6	8.1	–	3	Z	Z
Mason	19	73.7	3 167	85.6	2 478	55.9	200.4	545.5	45	87.2	Z	3	3	8
Meade	NA	NA	NA	NA	NA	NA	NA	NA	25	45.2	Z	2	22	2
Menifee	NA	NA	NA	NA	NA	NA	NA	NA	Z	57.1	Z	–	–	Z
Mercer	16	50.0	3 053	94.9	2 357	62.5	272.4	888.7	20	.4	Z	2	–	14
Metcalfe	13	53.8	1 829	37.0	1 695	31.8	107.9	231.4	1	26.4	Z	–	–	1
Monroe	32	43.8	1 966	35.8	1 696	28.1	80.5	160.9	2	7.7	Z	1	–	1
Montgomery	32	53.1	2 124	45.4	1 770	31.4	99.5	281.4	2	2.8	Z	2	–	1
Morgan	NA	NA	NA	NA	NA	NA	NA	NA	1	31.2	Z	1	–	Z
Muhlenberg	36	36.1	1 399	26.8	1 245	20.4	78.5	130.1	488	.1	Z	3	–	41
Nelson	56	28.6	3 616	99.0	2 716	70.2	528.6	960.2	8	3.3	Z	4	3	2
Nicholas	5	40.0	(4)	D	D	D	D	D	2	1.6	Z	2	–	Z
Ohio	27	37.0	2 010	37.4	1 755	29.9	107.3	177.1	8	1.9	Z	2	–	5
Oldham	41	24.4	1 004	37.5	779	24.6	101.4	252.5	5	86.8	Z	4	–	1
Owen	NA	NA	NA	NA	NA	NA	NA	NA	2	3.9	Z	1	–	1
Owsley	NA	NA	NA	NA	NA	NA	NA	NA	Z	16.7	–	Z	–	Z
Pendleton	12	58.3	(4)	D	D	D	D	D	2	5.2	Z	1	–	1
Perry	9	44.4	614	16.5	500	12.4	43.3	91.4	6	8.4	–	3	–	Z
Pike	26	11.5	587	10.7	515	8.8	27.9	74.3	8	29.0	–	4	–	1
Powell	16	43.8	1 185	19.2	1 060	15.4	138.2	175.3	Z	7.7	Z	Z	–	Z
Pulaski	84	31.0	4 564	107.1	3 696	76.6	322.6	672.1	390	Z	Z	6	Z	8
Robertson	NA	NA	NA	NA	NA	NA	NA	NA	Z	31.8	Z	–	–	Z
Rockcastle	11	18.2	(4)	D	D	D	D	D	1	2.7	Z	1	–	Z
Rowan	13	53.8	647	10.5	555	7.6	86.2	111.6	3	1.4	–	3	–	Z
Russell	24	25.0	2 098	40.5	1 971	36.5	220.3	348.9	3	16.1	Z	2	–	1
Scott	45	46.7	(5)	D	D	D	D	D	3	16.0	1	2	Z	1
Shelby	42	61.9	4 095	126.2	3 180	87.9	392.3	942.2	5	2.8	Z	3	Z	2
Simpson	34	38.2	3 390	107.2	2 954	88.4	235.7	549.4	2	2.9	Z	2	–	Z
Spencer	NA	NA	NA	NA	NA	NA	NA	NA	1	6.9	Z	Z	–	1
Taylor	38	28.9	4 088	96.6	3 602	80.4	293.3	599.8	6	1.8	Z	5	–	1
Todd	19	36.8	1 299	25.7	1 171	21.4	51.8	147.3	2	26.7	Z	1	–	1
Trigg	19	36.8	1 083	26.5	931	20.5	73.1	158.0	2	1.8	Z	2	–	Z
Trimble	NA	NA	NA	NA	NA	NA	NA	NA	1	72.1	Z	Z	–	Z
Union	18	38.9	1 214	29.3	934	20.8	102.6	167.0	7	1.0	–	2	–	1
Warren	104	41.3	(5)	D	D	D	D	D	17	1.5	Z	14	–	2
Washington	13	61.5	1 049	25.1	804	13.9	56.4	179.6	2	7.6	Z	1	–	1
Wayne	33	39.4	1 877	33.4	1 666	27.4	78.2	190.0	2	15.4	Z	1	–	1
Webster	19	42.1	798	16.4	671	11.6	48.0	82.5	152	.5	Z	2	–	48
Whitley	33	33.3	1 927	43.5	1 331	24.4	106.0	201.1	2	4.0	Z	1	–	Z
Wolfe	NA	NA	NA	NA	NA	NA	NA	NA	1	33.3	Z	Z	–	Z
Woodford	22	40.9	(6)	D	D	D	D	D	17	.6	Z	3	–	1

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	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
LOUISIANA	3 545	33.0	165 777	6 054.5	123 566	3 967.7	29 066.9	80 424.0	9 848	13.7	769	638	2 582	1 925
Acadia	47	36.2	2 247	38.5	1 940	27.7	91.7	283.9	110	91.9	93	5	Z	79
Allen	11	54.5	658	16.7	577	13.7	29.3	97.5	24	93.0	20	3	Z	17
Ascension	86	34.9	5 577	300.0	3 528	173.5	4 095.6	7 012.9	227	6.1	–	4	218	29
Assumption	NA	NA	NA	NA	NA	NA	NA	NA	29	37.2	–	3	24	16
Avoyelles	20	40.0	622	11.4	560	9.4	45.7	92.8	17	85.2	10	4	Z	16
Beauregard	26	26.9	1 413	63.0	1 036	43.0	250.7	627.1	30	99.5	4	4	21	11
Bienville	14	57.1	1 052	33.0	698	25.0	67.3	226.3	2	96.1	–	1	Z	2
Bossier	76	36.8	2 578	65.4	2 087	45.6	140.3	376.5	12	28.5	Z	10	Z	11
Caddo	216	36.6	11 997	445.7	9 108	315.1	1 606.9	4 515.6	87	4.3	1	33	Z	28
Calcasieu	134	37.3	11 274	542.4	8 113	344.4	3 018.4	10 153.5	312	36.6	24	22	239	86
Caldwell	NA	NA	NA	NA	NA	NA	NA	NA	3	56.5	2	1	–	3
Cameron	NA	NA	NA	NA	NA	NA	NA	NA	28	10.5	17	2	1	26
Catahoula	NA	NA	NA	NA	NA	NA	NA	NA	17	80.2	9	1	–	15
Claiborne	10	50.0	507	11.5	434	9.6	34.8	109.5	3	100.0	–	2	Z	2
Concordia	NA	NA	NA	NA	NA	NA	NA	NA	32	94.5	21	3	–	24
De Soto	16	31.3	1 166	43.9	952	33.0	285.0	493.3	14	13.2	Z	3	9	5
East Baton Rouge	354	27.7	12 159	570.1	7 833	299.8	2 707.7	9 831.6	152	86.9	Z	55	89	98
East Carroll	NA	NA	NA	NA	NA	NA	NA	NA	38	89.2	36	1	–	27
East Feliciana	NA	NA	NA	NA	NA	NA	NA	NA	3	94.6	Z	2	–	3
Evangeline	18	22.2	944	36.0	736	25.4	75.4	191.0	188	36.4	49	4	2	63
Franklin	13	38.5	506	6.9	374	3.6	11.5	36.1	27	81.7	8	3	1	24
Grant	NA	NA	NA	NA	NA	NA	NA	NA	4	49.3	–	2	2	4
Iberia	100	36.0	4 962	141.8	4 234	104.3	575.5	911.0	31	42.8	2	7	7	21
Iberville	39	56.4	4 360	270.0	2 822	158.0	891.1	4 176.1	1 218	1.9	–	4	510	31
Jackson	5	40.0	(4)	D	D	D	D	D	21	99.3	–	2	19	2
Jefferson	444	26.4	16 356	508.6	11 560	335.9	1 346.4	2 893.2	1 140	.8	Z	79	21	84
Jefferson Davis	21	23.8	598	13.9	516	10.2	46.9	110.2	152	71.0	142	3	–	116
Lafayette	215	26.0	5 419	150.1	3 698	83.5	437.1	868.5	33	96.0	8	19	Z	22
Lafourche	66	30.3	2 464	72.9	1 927	53.6	147.3	424.2	30	5.2	–	11	7	22
La Salle	8	50.0	(4)	D	D	D	D	D	2	75.1	Z	1	Z	2
Lincoln	35	40.0	1 788	53.0	1 465	38.8	185.2	346.0	8	95.4	Z	7	1	5
Livingston	54	25.9	1 342	39.6	1 002	28.2	106.0	227.4	16	99.9	Z	7	Z	15
Madison	NA	NA	NA	NA	NA	NA	NA	NA	19	95.9	16	2	–	13
Morehouse	14	21.4	(5)	D	D	D	D	D	73	45.4	34	4	34	30
Natchitoches	18	27.8	1 664	42.5	1 461	33.6	205.8	537.9	24	18.7	3	6	9	12
Orleans	261	29.5	10 453	362.2	7 022	226.5	1 064.6	2 305.0	636	2.0	Z	125	2	65
Ouachita	152	40.8	8 235	287.6	6 176	198.2	861.2	1 983.4	112	19.0	2	22	33	75
Plaquemines	44	43.2	2 231	102.1	1 544	58.7	451.2	2 779.2	116	Z	–	7	108	5
Pointe Coupee	11	45.5	539	12.9	468	9.9	76.6	146.1	290	3.6	1	3	4	154
Rapides	73	32.9	3 179	103.0	2 201	59.9	722.2	1 165.9	498	6.6	9	31	Z	28
Red River	NA	NA	NA	NA	NA	NA	NA	NA	2	89.5	Z	1	–	1
Richland	14	28.6	600	16.6	475	11.6	38.4	132.1	25	81.6	21	2	–	18
Sabine	19	36.8	1 121	28.8	1 017	25.3	65.7	253.1	4	62.8	–	2	Z	3
St. Bernard	54	18.5	1 769	83.1	1 269	54.6	325.2	2 603.6	306	Z	–	11	295	44
St. Charles	37	40.5	5 068	302.2	3 383	193.3	3 734.4	8 501.5	1 953	.3	–	9	460	17
St. Helena	NA	NA	NA	NA	NA	NA	NA	NA	6	99.7	–	Z	5	2
St. James	26	73.1	2 858	149.5	1 919	92.1	745.6	3 842.3	247	23.5	–	3	236	14
St. John the Baptist	29	44.8	2 304	104.2	1 604	66.9	630.7	3 057.5	731	1.3	–	5	90	46
St. Landry	57	31.6	1 919	50.8	1 537	36.7	154.5	904.7	48	85.1	14	10	4	38
St. Martin	44	29.5	3 501	69.7	3 243	62.3	807.2	1 259.8	45	80.5	5	5	Z	42
St. Mary	67	49.3	5 098	163.6	4 201	120.0	500.4	944.4	219	.6	–	11	60	16
St. Tammany	127	26.8	2 699	61.3	2 173	41.5	154.1	373.7	24	96.7	1	15	Z	20
Tangipahoa	74	37.8	2 933	59.5	2 488	42.5	184.9	420.4	18	97.1	Z	9	1	16
Tensas	NA	NA	NA	NA	NA	NA	NA	NA	12	79.2	10	1	–	9
Terrebonne	119	26.9	3 990	129.3	3 217	92.0	289.6	539.5	33	.3	–	13	2	28
Union	NA	NA	NA	NA	NA	NA	NA	NA	5	82.9	–	3	Z	3
Vermilion	27	29.6	1 348	28.6	1 208	23.7	86.5	203.9	262	18.1	182	4	3	248
Vernon	NA	NA	NA	NA	NA	NA	NA	NA	9	98.4	–	3	–	8
Washington	28	42.9	1 536	54.7	1 266	38.8	171.2	466.3	32	62.3	–	6	24	19
Webster	45	40.0	2 336	67.2	1 926	47.0	201.7	504.6	8	84.2	–	5	2	5
West Baton Rouge	39	56.4	2 452	84.0	1 942	63.5	432.8	1 376.7	10	94.6	–	4	4	6
West Carroll	NA	NA	NA	NA	NA	NA	NA	NA	25	74.4	23	2	Z	13
West Feliciana	6	16.7	(4)	D	D	D	D	D	47	10.6	–	2	30	17
Winn	24	45.8	1 252	37.8	1 083	28.2	74.3	300.0	3	92.6	–	2	1	2

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 1,000 to 2,499 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use–(mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
MAINE	1 812	28.3	82 288	2 591.1	62 647	1 746.0	6 530.6	14 097.6	326	24.6	27	100	11	50
Androscoggin	183	36.6	8 233	226.6	5 966	145.8	705.6	1 218.6	14	29.2	1	10	Z	3
Aroostook	89	32.6	3 906	125.4	3 260	98.3	355.5	895.0	25	31.2	14	6	1	14
Cumberland	382	24.6	14 304	477.2	10 291	289.8	1 174.2	2 232.7	87	14.0	2	25	Z	7
Franklin	53	39.6	3 457	110.3	2 920	86.2	353.8	867.8	5	51.7	Z	2	1	1
Hancock	94	16.0	2 397	103.8	1 944	75.9	268.8	551.0	61	5.1	Z	2	1	1
Kennebec	129	27.1	5 488	165.8	4 338	112.1	345.7	753.4	30	28.4	1	11	1	3
Knox	92	22.8	1 602	44.3	1 127	24.2	146.2	267.7	5	32.8	Z	3	Z	1
Lincoln	68	11.8	(4)	D	D	D	D	D	3	67.4	Z	1	Z	1
Oxford	84	35.7	4 038	118.7	3 118	83.0	383.0	758.5	10	49.2	2	3	1	4
Penobscot	155	32.3	8 897	285.9	6 871	203.7	870.9	1 658.6	21	42.8	2	12	2	5
Piscataquis	26	38.5	1 905	36.1	1 192	26.3	71.6	114.7	3	46.7	Z	1	Z	1
Sagadahoc	29	24.1	(5)	D	D	D	D	D	5	40.3	Z	3	Z	1
Somerset	76	26.3	4 441	143.7	3 543	99.0	522.6	1 239.9	8	55.3	Z	3	1	2
Waldo	53	22.6	1 180	24.8	1 001	17.3	57.9	117.8	4	78.3	Z	1	Z	1
Washington	41	39.0	1 676	52.6	1 284	38.8	102.8	364.8	5	55.6	2	1	Z	2
York	258	30.2	11 649	360.2	8 594	220.3	632.3	2 093.5	38	26.0	2	15	Z	5
MARYLAND	3 996	30.4	163 992	5 840.5	109 564	3 249.2	18 721.6	36 505.9	7 729	3.2	62	834	326	229
Allegany	67	31.3	4 169	139.2	3 206	95.6	396.4	785.9	45	3.9	Z	1	43	8
Anne Arundel	339	19.5	14 878	618.4	8 189	284.8	1 641.7	2 703.8	735	6.5	1	32	2	7
Baltimore	575	30.4	31 065	1 235.1	20 081	712.4	3 918.7	6 883.3	906	.9	2	273	256	42
Calvert	NA	NA	NA	NA	NA	NA	NA	NA	3 228	.2	1	2	Z	17
Caroline	31	45.2	1 533	36.6	1 247	26.9	81.7	167.7	20	53.8	16	1	Z	17
Carroll	144	27.1	4 330	131.1	3 084	78.0	337.5	716.9	15	66.8	1	6	Z	3
Cecil	55	40.0	2 766	100.9	1 618	48.4	385.2	678.3	9	67.0	Z	4	Z	2
Charles	58	32.8	1 100	38.5	745	22.5	74.0	170.3	1 103	1.2	Z	7	Z	12
Dorchester	48	39.6	3 580	86.9	2 598	51.0	323.3	867.2	25	66.4	13	3	1	14
Frederick	162	36.4	7 795	268.5	5 451	152.2	832.1	1 509.1	39	36.0	Z	14	3	5
Garrett	49	28.6	1 135	22.8	868	16.7	46.5	103.5	9	35.6	Z	3	Z	1
Harford	152	28.3	5 301	178.8	4 067	115.4	672.0	1 274.6	18	59.1	Z	8	1	3
Howard	245	27.8	6 927	257.2	4 391	128.9	562.0	1 177.3	4	85.7	Z	–	Z	3
Kent	27	33.3	1 031	25.4	713	13.0	62.1	189.4	6	79.4	4	1	Z	4
Montgomery	527	19.7	15 190	680.5	7 196	230.1	1 861.8	3 111.9	729	.6	1	395	Z	14
Prince George's	372	32.5	11 179	408.5	7 185	211.8	1 010.4	2 008.1	620	1.0	1	48	Z	27
Queen Anne's	34	29.4	877	21.8	743	15.7	48.4	106.7	14	61.8	9	1	Z	10
St. Mary's	NA	NA	NA	NA	NA	NA	NA	NA	11	86.4	Z	3	Z	1
Somerset	NA	NA	NA	NA	NA	NA	NA	NA	7	87.4	2	2	Z	3
Talbot	54	27.8	3 035	69.1	2 445	47.4	431.9	836.1	7	92.3	2	2	1	2
Washington	147	37.4	9 173	294.2	7 154	217.9	940.9	1 924.5	60	16.7	1	13	2	4
Wicomico	95	42.1	5 690	158.1	4 300	103.1	461.2	1 041.6	20	94.2	6	6	2	9
Worcester	38	28.9	1 754	30.9	1 435	21.5	97.7	275.4	15	93.9	2	8	2	4
Independent City														
Baltimore city	688	39.7	30 216	1 006.2	21 898	636.2	4 452.9	9 822.2	86	5.6	Z	–	13	16
MASSACHUSETTS	9 554	34.7	417 135	16 379.0	257 050	7 734.8	44 337.8	77 876.6	5 511	6.4	82	725	85	186
Barnstable	226	10.2	2 561	82.4	1 540	35.5	229.5	349.4	422	7.4	8	28	Z	11
Berkshire	207	30.4	9 176	344.7	5 359	156.5	795.2	1 423.0	24	21.7	1	18	3	3
Bristol	915	39.7	49 363	1 654.2	35 735	910.6	3 890.6	7 651.4	1 482	4.7	4	60	8	12
Dukes	NA	NA	NA	NA	NA	NA	NA	NA	3	96.1	Z	2	Z	Z
Essex	1 200	34.9	57 660	2 362.4	36 217	1 185.6	7 537.5	13 728.1	600	1.7	1	102	10	12
Franklin	119	43.7	5 700	182.2	3 763	108.7	414.5	756.0	9	67.2	Z	4	1	3
Hampden	802	36.3	33 350	1 204.0	22 875	659.2	3 213.8	5 953.5	232	9.3	1	60	8	8
Hampshire	180	32.2	5 760	192.3	3 985	108.1	493.7	1 048.3	26	51.8	1	12	3	8
Middlesex	2 437	34.9	118 002	5 216.5	61 016	1 998.8	13 888.8	22 587.1	840	6.6	2	78	20	24
Nantucket	NA	NA	NA	NA	NA	NA	NA	NA	2	98.1	Z	1	Z	Z
Norfolk	863	36.7	36 648	1 515.2	22 383	747.2	3 662.6	6 528.4	57	76.8	1	40	12	12
Plymouth	613	29.0	16 063	534.4	10 774	289.8	1 246.5	2 210.8	1 014	5.1	61	36	3	73
Suffolk	624	30.8	21 366	745.4	14 111	391.6	2 606.9	4 317.9	495	Z	Z	–	4	5
Worcester	1 336	37.9	61 344	2 340.9	39 194	1 140.1	6 347.5	11 303.4	306	12.8	2	283	11	14

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 5,000 to 9,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
MICHIGAN	16 045	35.9	833 429	34 418.9	630 390	23 486.0	93 809.5	214 900.7	12 064	7.1	227	1 300	1 854	668
Alcona	NA	NA	NA	NA	NA	NA	NA	NA	2	86.9	–	1	Z	Z
Alger	13	38.5	873	29.7	693	22.2	82.4	195.8	4	43.7	Z	1	2	Z
Allegan	203	41.4	15 984	585.9	11 317	321.1	1 742.8	3 108.9	51	33.3	9	6	28	13
Alpena	58	36.2	2 445	90.8	1 823	52.5	257.6	480.1	409	.4	Z	3	305	25
Antrim	56	25.0	1 323	38.7	1 025	26.2	90.0	164.9	8	73.3	5	2	Z	5
Arenac	37	32.4	732	18.9	571	11.5	47.8	91.8	53	2.4	2	50	Z	2
Baraga	26	30.8	715	21.6	566	16.2	49.5	115.2	2	22.6	–	1	1	Z
Barry	71	25.4	3 145	102.1	2 351	67.2	274.9	525.2	9	74.9	1	3	2	2
Bay	152	34.2	7 459	347.0	5 607	225.4	1 067.0	1 928.6	628	.6	4	19	11	9
Benzie	23	34.8	657	12.3	537	9.1	35.0	70.1	4	71.7	1	1	1	1
Berrien	397	40.3	16 996	539.1	12 678	335.9	1 266.2	2 394.2	2 196	.7	5	21	21	46
Branch	90	42.2	3 572	102.4	2 749	68.6	269.6	516.5	21	61.2	12	4	3	12
Calhoun	222	40.5	16 973	613.8	13 210	437.7	2 376.3	4 514.8	61	93.5	2	14	37	9
Cass	87	32.2	3 384	95.9	2 678	62.9	204.4	570.8	18	50.6	7	3	3	8
Charlevoix	69	40.6	3 624	116.9	2 743	75.5	392.6	724.1	117	2.7	Z	3	12	2
Cheboygan	37	24.3	711	17.9	587	12.4	48.7	76.6	4	67.2	Z	1	1	1
Chippewa	31	41.9	818	15.0	694	11.0	32.9	63.2	10	20.3	–	3	5	1
Clare	28	42.9	924	23.9	769	16.7	53.0	120.9	4	82.3	Z	2	1	1
Clinton	62	25.8	2 586	100.3	2 019	68.4	202.9	450.3	12	68.4	2	4	2	4
Crawford	17	47.1	503	15.8	396	10.1	32.8	104.3	3	92.6	–	1	1	1
Delta	59	33.9	2 834	124.3	2 099	80.3	355.4	702.4	76	3.7	Z	3	48	4
Dickinson	50	38.0	2 478	100.6	1 912	70.9	338.1	655.3	11	37.8	Z	3	7	1
Eaton	94	37.2	([4])	D	D	D	D	D	18	80.5	1	10	2	3
Emmet	57	22.8	1 377	39.1	973	22.0	81.6	168.2	6	80.8	Z	3	1	1
Genesee	355	32.4	34 414	1 744.6	28 473	1 388.8	3 592.6	11 240.3	55	47.3	1	12	33	10
Gladwin	46	34.8	1 406	42.1	1 123	30.0	113.9	206.8	3	77.2	1	1	1	1
Gogebic	27	37.0	709	14.8	617	11.7	28.0	62.5	4	75.6	–	3	1	Z
Grand Traverse	190	31.1	5 867	177.1	4 542	118.0	487.6	875.9	18	45.5	2	4	5	3
Gratiot	51	37.3	2 282	77.0	1 827	40.5	141.9	265.7	9	64.9	1	4	2	2
Hillsdale	104	44.2	6 510	176.1	5 276	128.1	493.5	1 134.5	62	14.4	1	3	53	6
Houghton	43	20.9	698	16.3	540	10.4	36.6	72.1	6	85.4	Z	5	1	1
Huron	67	50.7	4 216	126.9	3 417	94.8	326.2	612.8	53	8.1	2	3	3	4
Ingham	272	34.2	([5])	D	D	D	D	D	163	41.5	1	62	3	10
Ionia	80	42.5	4 308	138.0	3 333	89.5	375.4	852.8	13	77.6	2	6	2	3
Iosco	34	32.4	1 299	31.5	962	21.8	83.1	164.7	6	64.5	Z	4	Z	1
Iron	NA	NA	NA	NA	NA	NA	NA	NA	5	88.2	Z	4	Z	Z
Isabella	58	22.4	2 221	61.2	1 650	38.4	165.2	402.5	10	85.7	1	6	1	2
Jackson	351	39.9	12 248	422.0	8 735	246.1	1 082.9	2 271.8	37	66.6	4	17	10	7
Kalamazoo	399	38.3	22 007	820.9	15 620	520.9	1 744.2	4 108.6	112	69.9	11	30	63	19
Kalkaska	19	47.4	1 187	34.5	946	22.6	83.3	178.2	4	59.4	2	1	1	2
Kent	1 205	42.2	80 020	3 189.9	57 080	1 912.2	8 338.4	14 765.5	184	17.7	6	80	84	18
Keweenaw	NA	NA	NA	NA	NA	NA	NA	NA	Z	74.1	–	Z	Z	Z
Lake	NA	NA	NA	NA	NA	NA	NA	NA	1	87.9	–	Z	Z	Z
Lapeer	139	31.7	6 118	155.6	4 380	96.2	392.2	837.2	14	57.8	1	2	5	3
Leelanau	NA	NA	NA	NA	NA	NA	NA	NA	7	45.4	4	1	Z	5
Lenawee	163	39.9	8 940	359.3	6 671	229.3	774.4	1 736.1	24	44.8	1	9	11	3
Livingston	264	39.8	10 560	374.1	7 592	218.5	1 075.2	2 782.8	25	53.7	1	5	9	4
Luce	NA	NA	NA	NA	NA	NA	NA	NA	1	99.1	Z	1	Z	Z
Mackinac	NA	NA	NA	NA	NA	NA	NA	NA	15	4.9	Z	1	11	1
Macomb	2 116	35.2	93 551	4 321.9	73 377	3 128.1	9 148.9	23 988.0	80	13.4	2	18	52	18
Manistee	31	38.7	1 300	48.4	993	35.1	140.6	244.6	37	21.4	2	2	31	6
Marquette	39	20.5	730	16.0	484	10.2	39.0	81.0	257	5.1	–	13	Z	2
Mason	40	45.0	2 682	84.2	2 092	55.5	289.4	435.8	28	74.7	2	1	21	5
Mecosta	41	31.7	1 837	50.7	1 544	33.6	178.9	363.2	16	30.1	10	3	1	10
Menominee	56	48.2	2 901	78.0	2 319	56.4	233.1	425.2	8	21.7	Z	1	5	1
Midland	71	16.9	5 613	285.4	3 247	142.7	783.1	1 690.8	89	4.4	1	Z	85	5
Missaukee	23	30.4	548	17.5	436	11.7	37.7	73.0	5	65.1	2	1	Z	2
Monroe	138	40.6	9 278	425.6	7 346	316.9	1 310.3	2 560.1	1 764	.4	2	9	17	38
Montcalm	77	31.2	5 456	172.0	4 561	131.0	464.3	923.8	27	81.9	17	4	2	17
Montmorency	NA	NA	NA	NA	NA	NA	NA	NA	3	41.3	Z	Z	1	Z
Muskegon	335	41.2	16 398	562.1	11 708	355.4	1 521.9	2 903.3	322	3.6	14	25	30	20
Newaygo	46	23.9	1 727	51.7	1 325	34.6	277.7	484.7	17	45.6	9	2	2	10
Oakland	2 366	33.8	90 481	3 747.5	64 198	2 271.6	12 724.1	27 172.7	111	38.6	1	21	65	30

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 2,500 to 4,999 employees. [5] 10,000 to 24,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
MICHIGAN—Con.														
Oceana	51	23.5	1 385	31.2	1 141	23.1	103.9	214.5	8	61.8	3	2	2	3
Ogemaw	29	34.5	872	23.3	660	15.9	52.6	85.9	4	65.1	Z	1	1	1
Ontonagon	NA	NA	NA	NA	NA	NA	NA	NA	31	10.8	–	1	15	2
Osceola	36	36.1	3 582	99.2	3 051	73.3	350.3	661.3	7	56.4	Z	1	3	1
Oscoda	NA	NA	NA	NA	NA	NA	NA	NA	1	47.9	–	Z	1	Z
Otsego	39	38.5	1 870	53.8	1 545	34.6	125.7	255.5	4	54.6	–	1	1	Z
Ottawa	591	36.7	38 244	1 310.8	27 338	797.7	3 645.7	7 688.1	640	3.9	9	14	32	18
Presque Isle	NA	NA	NA	NA	NA	NA	NA	NA	6	34.4	Z	1	Z	1
Roscommon	NA	NA	NA	NA	NA	NA	NA	NA	4	69.8	–	1	Z	1
Saginaw	239	34.7	20 681	1 148.6	16 429	901.9	2 456.5	5 172.2	32	20.4	1	1	26	7
St. Clair	294	38.4	14 162	431.5	10 456	276.4	1 110.8	2 667.6	1 563	1.0	Z	19	23	18
St. Joseph	163	48.5	10 651	371.4	8 359	263.4	1 390.5	2 402.7	58	47.8	38	6	12	37
Sanilac	88	45.5	5 244	123.6	4 166	82.3	359.3	726.3	17	48.2	4	4	4	8
Schoolcraft	NA	NA	NA	NA	NA	NA	NA	NA	12	16.9	–	1	8	1
Shiawassee	86	43.0	4 139	99.6	3 037	63.0	207.5	453.8	12	61.0	1	4	4	2
Tuscola	65	30.8	2 818	96.9	2 017	61.4	197.0	486.4	13	68.4	4	4	1	5
Van Buren	127	34.6	4 879	152.1	3 772	100.1	563.2	1 007.8	102	14.5	10	6	6	32
Washtenaw	412	36.4	29 254	1 395.5	23 147	1 036.9	3 167.6	7 350.2	55	33.2	3	23	20	8
Wayne	2 390	33.1	133 703	6 514.3	104 295	4 787.5	21 498.0	54 375.0	2 165	.8	Z	677	586	99
Wexford	57	42.1	4 331	126.7	3 179	72.4	353.9	719.1	9	96.0	Z	3	4	1
MINNESOTA	8 091	33.7	382 530	13 126.1	260 158	7 250.1	36 629.9	76 244.9	3 392	21.0	157	485	140	417
Aitkin	NA	NA	NA	NA	NA	NA	NA	NA	5	26.2	4	Z	–	4
Anoka	614	30.0	24 754	908.7	16 979	525.3	2 186.2	3 860.7	142	21.8	1	131	Z	10
Becker	42	26.2	1 320	35.7	907	22.5	96.1	193.0	5	99.4	2	1	–	3
Beltrami	43	23.3	1 112	32.0	882	23.6	67.8	175.9	8	50.5	4	2	Z	5
Benton	53	47.2	2 797	71.4	1 921	38.7	184.0	300.2	18	48.7	5	2	9	8
Big Stone	NA	NA	NA	NA	NA	NA	NA	NA	1	89.0	Z	Z	Z	1
Blue Earth	78	46.2	4 144	126.7	2 823	75.8	350.9	1 160.8	32	36.3	Z	3	4	3
Brown	41	43.9	4 292	113.0	3 419	79.6	849.9	1 580.8	4	94.7	1	1	Z	3
Carlton	30	16.7	2 131	89.8	1 764	71.1	260.7	425.0	22	63.9	Z	13	8	3
Carver	143	48.3	10 470	391.7	6 484	193.6	972.7	1 920.0	8	99.4	Z	5	1	3
Cass	NA	NA	NA	NA	NA	NA	NA	NA	4	97.7	1	Z	Z	3
Chippewa	24	37.5	1 498	34.5	1 164	22.0	65.7	116.3	9	17.9	Z	1	–	1
Chisago	101	32.7	2 462	70.3	1 916	42.9	138.2	282.1	4	93.5	Z	1	–	2
Clay	38	28.9	1 225	35.7	999	27.5	57.5	229.4	8	86.0	1	5	Z	2
Clearwater	NA	NA	NA	NA	NA	NA	NA	NA	13	8.1	12	Z	Z	11
Cook	NA	NA	NA	NA	NA	NA	NA	NA	126	.2	Z	Z	–	4
Cottonwood	16	25.0	930	20.5	762	15.1	176.6	486.9	3	93.7	Z	1	Z	1
Crow Wing	95	29.5	2 957	91.2	2 184	63.6	248.2	458.3	9	65.6	1	2	3	4
Dakota	439	37.8	17 957	636.3	11 717	345.9	2 282.5	5 922.4	224	22.9	12	28	8	22
Dodge	29	34.5	1 322	37.5	1 034	27.7	119.1	398.6	2	98.5	Z	1	–	1
Douglas	72	30.6	2 806	76.0	2 199	51.1	276.2	448.4	6	91.8	1	2	Z	3
Faribault	28	64.3	1 578	36.5	1 222	24.1	87.8	260.6	3	100.0	Z	1	1	1
Fillmore	42	28.6	1 122	27.9	917	18.7	124.2	224.8	15	22.6	Z	1	Z	4
Freeborn	66	36.4	3 062	86.7	2 380	61.2	221.1	564.5	7	99.8	Z	4	1	2
Goodhue	81	44.4	5 522	166.6	4 094	105.5	403.8	972.8	600	1.4	1	3	2	25
Grant	NA	NA	NA	NA	NA	NA	NA	NA	2	100.0	1	Z	–	1
Hennepin	2 404	34.7	106 772	4 090.1	65 257	1 954.5	9 754.7	17 291.6	253	36.2	2	76	2	20
Houston	NA	NA	NA	NA	NA	NA	NA	NA	3	100.0	Z	1	–	2
Hubbard	32	31.3	940	19.6	770	13.2	73.7	166.1	7	99.7	4	Z	1	5
Isanti	59	28.8	1 330	35.6	953	22.2	81.3	153.5	3	100.0	Z	1	Z	2
Itasca	58	22.4	2 432	92.0	1 958	70.4	249.3	534.3	175	2.4	Z	2	17	13
Jackson	18	22.2	([4])	D	D	D	D	D	2	98.3	Z	Z	–	1
Kanabec	17	29.4	803	19.4	637	7.7	49.9	96.7	2	99.4	Z	Z	–	1
Kandiyohi	66	33.3	3 265	84.0	2 666	60.0	243.7	605.5	9	83.5	2	4	Z	4
Kittson	NA	NA	NA	NA	NA	NA	NA	NA	1	82.4	Z	Z	Z	Z
Koochiching	11	36.4	([5])	D	D	D	D	D	43	1.4	Z	1	41	6
Lac qui Parle	NA	NA	NA	NA	NA	NA	NA	NA	4	97.2	1	Z	2	2
Lake	12	41.7	507	18.6	396	12.4	45.4	84.4	133	.3	–	1	–	1
Lake of the Woods	NA	NA	NA	NA	NA	NA	NA	NA	1	41.1	1	Z	–	1
Le Sueur	51	39.2	2 751	79.5	2 229	53.7	382.7	728.9	4	100.0	Z	1	Z	2
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	1	99.2	Z	Z	–	1
Lyon	28	39.3	1 833	40.5	1 487	31.5	133.3	456.0	6	97.0	Z	4	Z	2
McLeod	67	46.3	9 080	291.0	7 268	206.5	1 005.4	1 670.5	7	94.6	Z	3	3	2
Mahnomen	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	–	Z	–	Z
Marshall	NA	NA	NA	NA	NA	NA	NA	NA	1	96.0	Z	Z	–	1
Martin	44	29.5	2 111	61.6	1 422	33.6	167.9	294.1	45	7.8	Z	2	–	2
Meeker	58	44.8	1 740	41.1	1 286	23.8	119.7	356.8	4	97.2	1	1	Z	3

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 1,000 to 2,499 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
MINNESOTA—Con.														
Mille Lacs	38	21.1	1 029	24.4	883	18.4	61.2	158.0	3	91.4	Z	1	Z	2
Morrison	44	27.3	1 883	47.3	1 595	34.7	104.1	256.3	10	98.5	5	1	–	8
Mower	37	29.7	(4)	D	D	D	D	D	7	100.0	Z	3	3	3
Murray	NA	NA	NA	NA	NA	NA	NA	NA	2	96.1	Z	1	–	1
Nicollet	34	52.9	3 748	79.9	2 555	46.9	265.2	868.2	6	100.0	Z	4	Z	2
Nobles	24	33.3	2 690	62.9	2 157	44.4	236.5	823.8	5	96.4	Z	3	Z	2
Norman	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	Z	Z	–	1
Olmsted	77	39.0	10 477	482.1	4 949	126.9	1 040.9	3 085.4	41	65.1	Z	12	–	6
Otter Tail	91	33.0	3 732	82.1	2 875	55.3	260.7	661.7	77	49.5	21	4	Z	33
Pennington	16	50.0	2 047	50.9	1 366	25.3	270.1	594.7	3	19.4	1	1	–	2
Pine	NA	NA	NA	NA	NA	NA	NA	NA	3	98.5	Z	1	–	2
Pipestone	15	20.0	652	16.6	534	13.0	45.1	96.9	3	96.3	Z	2	Z	1
Polk	40	30.0	1 350	36.3	1 107	26.6	130.0	300.3	18	10.9	7	9	Z	8
Pope	29	24.1	529	13.3	429	9.2	34.9	84.6	12	98.3	11	Z	Z	11
Ramsey	765	38.4	41 550	1 581.6	25 442	784.6	5 009.5	9 294.6	143	33.8	1	23	12	11
Red Lake	NA	NA	NA	NA	NA	NA	NA	NA	1	98.3	Z	Z	–	Z
Redwood	21	33.3	1 250	34.9	926	20.1	75.2	165.9	3	97.9	Z	1	Z	2
Renville	34	32.4	884	21.5	648	13.3	64.4	155.7	3	98.0	Z	1	1	2
Rice	86	34.9	4 838	161.3	3 518	112.0	450.1	954.9	7	98.1	Z	3	Z	3
Rock	NA	NA	NA	NA	NA	NA	NA	NA	3	97.2	Z	2	Z	1
Roseau	18	27.8	(5)	D	D	D	D	D	2	100.0	–	1	–	1
St. Louis	228	25.0	5 446	155.8	3 851	96.0	462.2	879.4	204	1.2	Z	32	4	7
Scott	148	23.0	5 039	180.8	3 626	116.6	442.6	989.5	10	99.6	Z	6	2	3
Sherburne	96	32.3	3 278	103.2	2 574	67.6	272.2	463.2	87	25.6	17	2	Z	37
Sibley	25	40.0	1 054	28.7	834	16.7	129.2	352.1	3	97.0	Z	1	Z	2
Stearns	219	30.1	12 609	369.1	10 193	266.8	919.2	2 216.6	28	98.4	9	10	1	16
Steele	67	44.8	6 292	191.7	4 612	122.3	517.4	1 006.9	4	89.2	Z	2	–	2
Stevens	NA	NA	NA	NA	NA	NA	NA	NA	4	97.1	2	1	–	3
Swift	13	38.5	829	19.3	667	15.2	21.8	56.5	8	99.5	7	1	–	7
Todd	47	23.4	1 519	46.4	1 221	35.1	104.5	278.2	7	95.6	4	1	Z	6
Traverse	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	–	Z	–	Z
Wabasha	39	33.3	1 934	51.3	1 474	39.6	161.1	368.5	4	98.7	Z	1	Z	2
Wadena	21	38.1	784	19.8	623	12.9	43.0	74.4	8	83.7	6	1	–	6
Waseca	29	41.4	3 298	108.6	2 455	61.5	265.9	467.1	3	100.0	Z	2	–	1
Washington	210	25.2	9 456	436.0	6 653	271.4	1 062.7	2 795.0	321	18.1	1	36	12	11
Watonwan	21	33.3	1 102	22.7	823	15.2	62.2	139.3	3	99.7	Z	2	–	1
Wilkin	NA	NA	NA	NA	NA	NA	NA	NA	1	79.0	Z	Z	–	1
Winona	116	44.0	7 115	196.1	4 942	111.6	489.4	1 071.9	12	75.3	Z	4	1	3
Wright	179	29.6	4 315	127.4	3 051	69.6	301.1	583.6	348	2.4	1	3	Z	5
Yellow Medicine	NA	NA	NA	NA	NA	NA	NA	NA	2	98.0	Z	1	–	1
MISSISSIPPI	3 008	42.6	227 800	5 599.4	182 630	3 905.8	17 088.5	39 658.3	3 200	80.8	1 742	344	290	1 572
Adams	38	28.9	2 299	76.0	1 910	58.3	275.2	550.0	51	99.9	–	5	46	9
Alcorn	58	37.9	4 918	150.8	4 179	115.4	371.6	955.6	3	84.5	Z	2	–	1
Amite	10	50.0	691	17.2	609	14.7	33.0	97.3	2	82.8	Z	1	–	1
Attala	22	50.0	1 267	21.8	926	12.1	46.8	119.9	4	96.7	Z	4	Z	1
Benton	NA	NA	NA	NA	NA	NA	NA	NA	1	91.8	–	Z	–	Z
Bolivar	22	54.5	2 724	67.0	2 061	44.2	237.1	417.8	472	95.1	443	5	1	289
Calhoun	34	38.2	1 874	35.4	1 745	29.6	88.5	296.2	46	97.5	1	1	43	9
Carroll	NA	NA	NA	NA	NA	NA	NA	NA	6	94.7	4	1	–	4
Chickasaw	80	41.3	4 896	93.4	4 326	75.2	162.4	420.8	2	84.7	Z	2	–	1
Choctaw	10	50.0	598	13.9	495	11.8	45.0	105.0	2	91.6	–	2	–	1
Claiborne	10	60.0	629	13.9	523	10.3	33.9	88.6	34	98.6	Z	1	–	20
Clarke	18	61.1	2 084	51.4	1 825	38.8	147.7	304.1	3	92.2	Z	2	Z	1
Clay	25	44.0	3 640	113.6	2 805	74.9	406.2	926.0	7	96.8	–	5	1	2
Coahoma	28	46.4	1 353	35.6	1 144	24.9	85.2	236.6	146	95.4	134	5	Z	91
Copiah	32	56.3	2 735	52.6	2 122	35.2	142.0	407.7	5	90.4	Z	3	Z	1
Covington	17	35.3	1 950	32.2	1 735	26.4	67.9	194.2	7	95.8	Z	2	4	2
DeSoto	131	48.1	7 232	213.4	5 374	137.7	565.1	1 369.6	17	96.9	8	7	1	7
Forrest	84	34.5	5 170	116.3	3 783	73.1	420.0	1 037.1	42	34.0	Z	10	3	4
Franklin	NA	NA	NA	NA	NA	NA	NA	NA	1	90.5	Z	1	–	Z
George	NA	NA	NA	NA	NA	NA	NA	NA	2	74.7	Z	Z	–	1
Greene	NA	NA	NA	NA	NA	NA	NA	NA	1	70.6	Z	1	–	1
Grenada	24	58.3	4 194	109.5	3 364	81.4	233.6	571.8	21	76.2	8	2	10	8
Hancock	NA	NA	NA	NA	NA	NA	NA	NA	6	98.4	Z	3	1	1
Harrison	139	27.3	4 498	133.6	3 525	89.2	566.8	1 079.7	266	13.8	Z	27	3	15
Hinds	208	33.2	11 540	314.8	9 002	217.1	1 001.5	2 484.4	48	29.4	–	43	1	10
Holmes	14	57.1	1 674	31.4	1 544	26.0	82.1	214.5	48	95.9	37	3	1	31
Humphreys	4	75.0	(6)	D	D	D	D	D	158	98.3	54	1	1	112
Issaquena	NA	NA	NA	NA	NA	NA	NA	NA	34	95.9	28	Z	–	22

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 2,500 to 4,999 employees. [5] 5,000 to 9,999 employees. [6] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
MISSISSIPPI—Con.														
Itawamba	40	40.0	1 366	30.1	1 158	22.6	129.4	371.6	2	89.2	Z	2	–	1
Jackson	98	34.7	16 340	534.5	9 998	308.9	1 735.8	4 447.7	68	26.7	1	10	56	13
Jasper	15	66.7	1 720	30.0	1 447	21.6	70.3	151.3	3	91.4	Z	2	Z	1
Jefferson	NA	NA	NA	NA	NA	NA	NA	NA	2	94.7	–	1	–	Z
Jefferson Davis	9	55.6	769	8.9	738	7.5	30.0	56.0	2	86.2	Z	1	–	1
Jones	68	32.4	6 820	162.7	5 786	117.5	464.5	991.3	17	95.3	Z	10	3	5
Kemper	NA	NA	NA	NA	NA	NA	NA	NA	2	78.5	Z	1	–	1
Lafayette	29	31.0	2 017	43.2	1 661	31.1	117.0	304.5	5	97.3	Z	3	Z	1
Lamar	22	27.3	770	16.4	646	12.2	36.5	116.8	9	97.5	Z	4	1	3
Lauderdale	83	39.8	6 076	164.2	4 441	111.4	471.5	916.6	15	98.8	Z	11	2	3
Lawrence	9	44.4	(4)	D	D	D	D	D	34	7.5	Z	1	32	6
Leake	18	55.6	2 481	29.8	2 403	27.9	179.2	242.0	4	76.2	–	3	–	2
Lee	191	48.2	17 717	472.9	14 552	335.5	1 192.2	2 708.4	13	29.0	Z	11	Z	2
Leflore	40	47.5	3 572	76.6	2 867	47.2	219.1	510.9	193	96.4	137	5	Z	127
Lincoln	28	39.3	1 383	35.1	1 187	23.6	129.7	301.4	13	97.6	Z	3	9	3
Lowndes	71	39.4	7 611	223.2	5 582	140.9	617.3	1 313.9	15	97.3	Z	8	4	3
Madison	57	40.4	2 414	57.2	1 891	33.9	174.5	396.6	12	90.7	1	10	Z	3
Marion	26	19.2	1 000	15.7	861	12.5	52.5	103.9	4	81.9	Z	3	Z	1
Marshall	29	48.3	1 777	41.2	1 533	31.1	102.6	201.3	3	91.3	Z	2	–	1
Monroe	71	46.5	4 889	124.8	4 078	88.7	430.1	1 121.2	19	95.1	1	4	12	4
Montgomery	21	52.4	1 165	21.8	948	17.4	39.9	116.6	2	83.3	Z	1	–	1
Neshoba	32	40.6	2 572	57.1	2 157	49.5	132.3	347.8	4	90.6	Z	3	Z	1
Newton	20	40.0	2 256	49.5	1 968	42.9	89.6	165.7	4	87.0	–	2	Z	1
Noxubee	20	65.0	1 201	22.8	1 011	16.1	68.2	210.8	4	43.9	2	1	–	3
Oktibbeha	35	48.6	2 132	49.8	1 566	28.2	164.7	372.3	8	97.8	Z	6	1	2
Panola	44	45.5	2 943	68.5	2 447	51.0	289.7	575.0	15	95.4	11	3	Z	8
Pearl River	47	27.7	905	20.3	703	13.5	91.0	190.3	6	95.3	Z	3	1	1
Perry	7	57.1	(5)	D	D	D	D	D	20	5.9	Z	1	19	4
Pike	36	50.0	3 924	64.7	3 456	49.8	195.8	580.3	7	91.0	Z	5	1	2
Pontotoc	92	50.0	5 549	116.5	4 671	91.4	366.6	720.2	3	92.8	Z	2	–	1
Prentiss	46	58.7	4 507	86.1	3 752	63.6	371.6	702.2	2	95.6	Z	2	–	1
Quitman	NA	NA	NA	NA	NA	NA	NA	NA	112	95.1	109	1	Z	70
Rankin	127	37.8	5 763	150.3	4 555	101.2	558.8	1 088.2	13	95.4	Z	10	1	3
Scott	28	53.6	5 487	95.9	4 880	80.2	225.8	607.4	10	85.6	Z	8	–	3
Sharkey	NA	NA	NA	NA	NA	NA	NA	NA	64	96.3	47	Z	–	43
Simpson	15	40.0	1 182	22.2	947	14.8	334.2	360.4	4	86.5	Z	3	Z	2
Smith	17	58.8	1 801	41.2	1 520	31.9	138.8	392.8	6	64.3	2	3	–	3
Stone	15	46.7	682	15.3	583	12.2	34.5	124.6	2	84.2	Z	1	–	1
Sunflower	22	63.6	2 654	48.3	2 237	35.6	204.9	508.3	353	96.2	268	5	1	228
Tallahatchie	7	71.4	500	5.6	423	3.9	27.2	41.2	107	95.2	103	1	–	72
Tate	16	37.5	2 047	45.3	1 728	33.2	98.0	199.9	6	93.5	3	1	–	3
Tippah	42	45.2	3 247	71.2	2 639	46.4	160.9	344.1	2	95.6	Z	2	Z	1
Tishomingo	46	45.7	3 361	70.8	2 564	46.0	126.8	321.6	4	98.9	–	4	–	1
Tunica	NA	NA	NA	NA	NA	NA	NA	NA	140	95.5	127	1	–	87
Union	39	41.0	4 204	97.2	3 387	60.7	228.8	445.8	3	95.6	Z	2	Z	1
Walthall	24	50.0	940	15.8	785	10.6	37.8	68.9	2	83.7	–	1	Z	1
Warren	43	60.5	4 698	131.7	3 800	98.0	349.7	1 181.8	82	16.6	Z	10	21	7
Washington	65	44.6	5 067	121.8	4 320	94.4	492.2	1 030.3	303	87.2	209	10	1	177
Wayne	16	56.3	1 323	28.7	1 040	22.7	100.4	294.9	2	84.3	Z	1	–	1
Webster	17	52.9	1 567	25.2	1 424	21.3	92.1	149.8	1	91.3	Z	1	–	Z
Wilkinson	NA	NA	NA	NA	NA	NA	NA	NA	2	91.9	Z	2	–	1
Winston	26	38.5	1 850	53.5	1 385	33.8	133.8	318.3	3	92.4	Z	3	–	1
Yalobusha	17	41.2	1 576	33.4	1 371	24.8	109.2	224.2	3	97.1	–	2	–	1
Yazoo	21	47.6	1 987	52.1	1 560	27.4	101.4	236.1	30	98.0	1	4	10	14
MISSOURI	7 497	33.3	371 448	11 647.1	270 297	7 197.3	43 186.1	93 115.5	7 029	12.7	567	699	39	692
Adair	10	50.0	1 619	39.8	1 392	31.9	221.7	412.4	4	27.1	1	3	–	2
Andrew	NA	NA	NA	NA	NA	NA	NA	NA	3	71.7	2	1	–	2
Atchison	NA	NA	NA	NA	NA	NA	NA	NA	19	86.8	18	1	–	16
Audrain	38	60.5	2 721	79.7	2 258	61.5	208.2	531.3	10	38.2	7	2	Z	7
Barry	61	50.8	7 537	154.3	5 259	98.9	486.4	1 096.2	7	81.7	Z	4	1	3
Barton	19	21.1	2 080	52.0	1 829	43.2	129.5	269.6	5	65.4	2	2	–	3
Bates	NA	NA	NA	NA	NA	NA	NA	NA	3	13.9	Z	1	–	2
Benton	NA	NA	NA	NA	NA	NA	NA	NA	2	73.0	Z	1	–	1
Bollinger	NA	NA	NA	NA	NA	NA	NA	NA	10	96.7	8	Z	–	8
Boone	87	31.0	5 703	165.3	4 450	107.9	855.1	1 595.0	18	88.4	2	15	–	5
Buchanan	96	51.0	7 365	235.1	5 688	159.1	860.2	2 293.8	58	2.3	Z	17	–	3
Butler	53	24.5	3 010	66.7	2 673	53.5	266.4	494.5	156	97.9	151	4	–	110
Caldwell	NA	NA	NA	NA	NA	NA	NA	NA	1	47.4	Z	Z	–	1
Callaway	37	40.5	1 896	59.6	1 489	41.9	145.8	320.6	27	17.6	1	3	–	14

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
MISSOURI—Con.														
Camden	53	22.6	1 269	32.6	1 010	20.8	69.4	132.0	4	84.4	Z	2	–	1
Cape Girardeau	93	34.4	5 912	163.3	4 486	113.3	878.1	1 569.7	12	58.9	4	7	Z	5
Carroll	NA	NA	NA	NA	NA	NA	NA	NA	3	82.6	1	1	–	2
Carter	NA	NA	NA	NA	NA	NA	NA	NA	1	86.2	Z	Z	–	Z
Cass	71	19.7	1 057	24.6	790	16.2	47.7	116.6	6	27.6	2	3	–	3
Cedar	15	33.3	505	9.9	417	7.5	37.5	76.5	2	76.1	Z	1	Z	1
Chariton	NA	NA	NA	NA	NA	NA	NA	NA	2	63.3	Z	Z	–	1
Christian	101	18.8	(4)	D	D	D	D	D	5	83.7	Z	2	Z	2
Clark	NA	NA	NA	NA	NA	NA	NA	NA	2	82.2	1	Z	–	1
Clay	214	45.8	14 743	569.6	11 547	427.1	4 417.9	9 891.7	26	95.6	Z	12	6	5
Clinton	NA	NA	NA	NA	NA	NA	NA	NA	2	11.7	Z	1	–	1
Cole	53	24.5	(4)	D	D	D	D	D	9	57.3	Z	7	–	2
Cooper	16	43.8	865	19.2	670	13.2	80.8	138.6	3	30.3	Z	2	–	1
Crawford	52	30.8	1 639	33.8	1 214	20.2	74.7	142.9	2	76.0	Z	1	–	1
Dade	NA	NA	NA	NA	NA	NA	NA	NA	4	67.7	2	Z	–	3
Dallas	11	27.3	530	8.7	489	7.8	18.0	40.2	2	67.3	Z	Z	–	1
Daviess	NA	NA	NA	NA	NA	NA	NA	NA	2	41.7	Z	1	–	1
DeKalb	NA	NA	NA	NA	NA	NA	NA	NA	1	58.1	Z	Z	–	1
Dent	27	29.6	951	17.3	841	13.1	22.9	84.3	2	72.7	Z	1	–	1
Douglas	NA	NA	NA	NA	NA	NA	NA	NA	3	57.4	Z	1	–	2
Dunklin	26	30.8	1 281	28.5	1 084	21.5	135.6	259.7	45	98.9	41	4	–	32
Franklin	210	40.0	10 641	284.4	8 557	201.3	952.8	1 836.3	967	1.1	Z	6	–	5
Gasconade	38	44.7	1 643	41.9	1 300	22.3	75.6	161.8	3	81.2	Z	1	–	1
Gentry	NA	NA	NA	NA	NA	NA	NA	NA	1	41.3	–	1	–	1
Greene	371	31.0	19 475	513.1	14 253	321.4	1 722.1	3 788.6	176	6.8	Z	28	2	10
Grundy	11	36.4	798	20.7	669	16.0	173.6	242.4	3	29.9	1	2	–	1
Harrison	NA	NA	NA	NA	NA	NA	NA	NA	2	22.0	1	1	–	1
Henry	32	31.3	1 780	33.0	1 430	23.0	103.8	390.1	358	.3	Z	2	–	5
Hickory	NA	NA	NA	NA	NA	NA	NA	NA	1	64.5	Z	Z	–	1
Holt	NA	NA	NA	NA	NA	NA	NA	NA	2	93.1	2	Z	–	2
Howard	NA	NA	NA	NA	NA	NA	NA	NA	2	24.4	Z	1	–	1
Howell	70	35.7	3 690	72.5	2 888	52.6	238.1	485.6	5	81.3	Z	3	–	2
Iron	NA	NA	NA	NA	NA	NA	NA	NA	5	94.2	Z	1	4	1
Jackson	907	31.6	38 785	1 301.5	24 744	695.3	5 394.9	8 984.7	547	6.2	Z	86	6	24
Jasper	198	39.4	11 904	289.8	9 293	207.0	903.1	2 154.6	26	36.6	3	16	4	7
Jefferson	182	24.7	5 304	168.2	4 018	112.2	558.3	1 199.3	835	1.4	Z	9	3	4
Johnson	31	25.8	1 856	46.7	1 431	25.2	105.1	183.3	5	77.3	Z	4	–	2
Knox	NA	NA	NA	NA	NA	NA	NA	NA	1	21.3	Z	Z	–	1
Laclede	57	38.6	5 177	130.4	4 142	85.6	352.9	809.7	5	83.5	Z	3	Z	2
Lafayette	42	31.0	1 166	22.9	960	16.0	44.6	130.4	4	28.6	1	2	–	2
Lawrence	54	44.4	1 614	34.8	1 247	25.7	112.3	259.0	5	67.1	1	2	–	3
Lewis	NA	NA	NA	NA	NA	NA	NA	NA	2	67.1	Z	1	–	1
Lincoln	43	23.3	1 078	29.0	848	19.4	100.2	176.8	3	79.9	Z	1	–	1
Linn	24	41.7	1 739	45.0	1 240	25.2	92.5	137.8	2	25.9	Z	1	–	1
Livingston	28	42.9	903	23.6	762	18.2	70.9	117.1	3	80.2	Z	2	–	1
McDonald	34	32.4	3 052	52.5	2 674	40.7	182.5	469.8	5	71.6	Z	2	1	2
Macon	15	26.7	(5)	D	D	D	D	D	3	11.7	Z	2	–	1
Madison	16	25.0	553	8.3	459	6.0	18.6	28.7	1	48.1	Z	1	–	1
Maries	NA	NA	NA	NA	NA	NA	NA	NA	3	84.8	Z	Z	Z	1
Marion	46	41.3	3 179	87.5	2 343	55.4	1 382.3	1 707.1	8	38.7	1	4	2	3
Mercer	NA	NA	NA	NA	NA	NA	NA	NA	2	37.9	Z	Z	–	2
Miller	29	34.5	1 500	31.8	1 218	22.8	66.4	128.5	3	65.5	Z	1	–	2
Mississippi	14	42.9	571	10.7	473	7.6	34.0	66.4	19	99.7	17	2	–	15
Moniteau	22	27.3	1 095	19.5	932	14.7	114.7	173.8	3	77.0	Z	2	–	1
Monroe	7	42.9	1 047	27.9	811	25.6	45.5	74.8	3	30.5	1	2	–	2
Montgomery	32	37.5	811	16.6	601	10.3	37.2	82.1	2	61.0	1	1	–	1
Morgan	29	17.2	649	12.0	574	9.1	65.4	115.0	2	73.8	Z	1	–	1
New Madrid	17	35.3	2 504	83.4	2 074	61.9	267.2	529.8	849	9.6	78	2	1	67
Newton	63	27.0	4 315	109.8	3 696	91.7	288.9	692.9	7	50.8	Z	4	–	3
Nodaway	23	39.1	1 677	48.2	1 328	34.4	366.7	647.2	4	28.6	Z	2	–	2
Oregon	NA	NA	NA	NA	NA	NA	NA	NA	4	85.5	Z	3	–	1
Osage	24	25.0	914	20.3	786	12.7	58.3	169.8	35	4.5	Z	1	–	2
Ozark	NA	NA	NA	NA	NA	NA	NA	NA	5	84.5	Z	4	–	1
Pemiscot	12	41.7	893	19.8	825	14.4	48.0	131.1	28	99.5	25	4	–	19
Perry	31	51.6	2 855	61.9	2 298	41.6	288.4	609.3	3	54.7	Z	2	–	1
Pettis	69	34.8	5 324	130.2	4 650	102.0	438.4	958.9	6	52.2	Z	4	Z	2
Phelps	55	16.4	1 132	29.6	833	17.6	106.5	218.2	4	92.3	Z	2	–	1
Pike	27	25.9	771	25.7	544	16.7	127.6	277.4	10	10.7	Z	1	5	2
Platte	47	44.7	1 599	52.4	1 093	28.4	104.8	344.7	365	1.7	Z	3	–	2
Polk	34	26.5	859	13.9	636	8.2	47.7	81.1	4	70.7	Z	2	–	2

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County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
MISSOURI—Con.														
Pulaski	18	16.7	682	9.4	582	7.0	17.6	36.4	7	47.5	Z	6	–	1
Putnam	NA	NA	NA	NA	NA	NA	NA	NA	2	25.0	Z	Z	–	2
Ralls	10	60.0	913	21.6	762	17.0	161.6	253.9	2	20.5	Z	1	Z	1
Randolph	37	29.7	1 381	30.5	1 170	21.6	82.5	182.6	877	Z	Z	2	–	12
Ray	21	19.0	654	16.5	511	9.7	39.2	63.9	4	85.7	Z	3	–	1
Reynolds	33	24.2	634	10.9	541	8.5	23.4	52.7	4	96.8	Z	Z	Z	1
Ripley	42	11.9	629	10.0	545	8.2	24.1	42.8	19	75.4	18	1	–	13
St. Charles	279	30.1	12 160	431.9	9 801	317.5	2 094.5	4 432.9	446	4.6	1	16	1	5
St. Clair	NA	NA	NA	NA	NA	NA	NA	NA	2	49.7	Z	Z	–	1
Ste. Genevieve	32	34.4	1 752	47.8	1 438	35.3	130.2	208.2	2	80.4	–	1	–	1
St. Francois	66	33.3	3 797	80.3	2 963	53.6	224.6	394.6	307	1.8	Z	4	–	2
St. Louis	1 272	34.1	78 218	3 359.8	46 676	1 712.9	8 581.8	25 347.9	176	3.0	Z	164	Z	29
Saline	24	37.5	2 530	55.4	2 266	46.1	223.1	647.5	5	83.8	Z	4	–	2
Schuyler	NA	NA	NA	NA	NA	NA	NA	NA	1	28.8	Z	Z	–	Z
Scotland	NA	NA	NA	NA	NA	NA	NA	NA	1	22.8	Z	Z	–	1
Scott	77	32.5	3 008	66.1	2 556	51.1	234.6	532.6	20	99.3	13	5	–	11
Shannon	22	31.8	710	8.1	592	6.3	20.3	40.9	1	79.4	Z	Z	–	Z
Shelby	5	60.0	([4])	D	D	D	D	D	3	57.3	1	Z	–	2
Stoddard	40	45.0	2 372	42.4	2 051	34.2	149.1	264.0	153	99.5	149	3	–	108
Stone	NA	NA	NA	NA	NA	NA	NA	NA	4	88.8	Z	2	–	1
Sullivan	5	40.0	([5])	D	D	D	D	D	3	26.1	Z	1	Z	2
Taney	59	13.6	798	15.8	622	10.6	49.3	87.8	10	49.4	Z	9	Z	1
Texas	53	18.9	1 399	26.2	1 200	21.3	78.9	169.6	5	54.0	1	1	1	3
Vernon	21	52.4	1 561	44.0	1 286	31.9	280.1	425.8	5	64.0	1	2	–	3
Warren	37	43.2	2 042	50.1	1 590	36.2	117.1	242.7	4	64.2	1	1	Z	2
Washington	NA	NA	NA	NA	NA	NA	NA	NA	9	74.7	Z	1	–	1
Wayne	28	21.4	510	8.3	454	5.5	24.2	44.0	2	67.2	Z	1	–	Z
Webster	44	29.5	([5])	D	D	D	D	D	4	59.4	1	1	–	2
Worth	NA	NA	NA	NA	NA	NA	NA	NA	Z	29.2	–	Z	–	Z
Wright	18	33.3	730	14.2	678	12.7	59.5	102.0	4	54.4	1	1	–	2
Independent City														
St. Louis city	802	39.0	33 836	1 243.6	23 100	723.4	5 088.6	8 605.5	148	–	–	148	–	23
MONTANA	1 160	15.4	19 611	560.1	14 988	394.0	1 732.2	4 866.3	8 860	2.5	8 546	143	60	1 957
Beaverhead	NA	NA	NA	NA	NA	NA	NA	NA	571	.5	565	2	Z	111
Big Horn	NA	NA	NA	NA	NA	NA	NA	NA	316	2.7	311	1	Z	71
Blaine	NA	NA	NA	NA	NA	NA	NA	NA	274	2.2	272	Z	–	70
Broadwater	NA	NA	NA	NA	NA	NA	NA	NA	241	1.0	239	1	Z	49
Carbon	NA	NA	NA	NA	NA	NA	NA	NA	454	1.5	446	2	Z	73
Carter	NA	NA	NA	NA	NA	NA	NA	NA	4	9.3	3	Z	–	3
Cascade	80	16.3	925	23.9	691	15.4	58.1	228.5	153	1.1	136	15	1	41
Chouteau	NA	NA	NA	NA	NA	NA	NA	NA	36	3.8	34	1	–	10
Custer	NA	NA	NA	NA	NA	NA	NA	NA	75	1.5	72	2	Z	26
Daniels	NA	NA	NA	NA	NA	NA	NA	NA	5	48.2	4	Z	–	3
Dawson	NA	NA	NA	NA	NA	NA	NA	NA	72	1.3	69	2	Z	21
Deer Lodge	NA	NA	NA	NA	NA	NA	NA	NA	48	9.5	43	4	–	11
Fallon	NA	NA	NA	NA	NA	NA	NA	NA	11	53.8	5	Z	Z	4
Fergus	NA	NA	NA	NA	NA	NA	NA	NA	75	5.3	70	2	Z	19
Flathead	124	16.9	3 887	121.5	2 820	86.4	353.1	790.5	65	26.8	51	6	6	33
Gallatin	148	18.9	1 992	48.3	1 498	30.7	133.4	273.8	489	2.2	479	8	Z	109
Garfield	NA	NA	NA	NA	NA	NA	NA	NA	12	10.2	11	Z	–	7
Glacier	NA	NA	NA	NA	NA	NA	NA	NA	87	3.3	84	2	Z	17
Golden Valley	NA	NA	NA	NA	NA	NA	NA	NA	85	.6	85	Z	–	15
Granite	NA	NA	NA	NA	NA	NA	NA	NA	104	.9	102	Z	Z	25
Hill	NA	NA	NA	NA	NA	NA	NA	NA	18	14.5	16	2	Z	6
Jefferson	NA	NA	NA	NA	NA	NA	NA	NA	148	2.0	145	2	Z	32
Judith Basin	NA	NA	NA	NA	NA	NA	NA	NA	65	1.6	64	Z	–	11
Lake	30	23.3	840	19.5	688	14.0	56.7	115.3	309	1.1	305	1	Z	81
Lewis and Clark	46	15.2	([4])	D	D	D	D	D	183	5.4	173	8	1	46
Liberty	NA	NA	NA	NA	NA	NA	NA	NA	22	1.0	22	Z	–	5
Lincoln	33	12.1	657	21.3	599	19.1	48.2	125.4	37	6.8	20	1	14	10
McCone	NA	NA	NA	NA	NA	NA	NA	NA	15	4.6	14	Z	–	8
Madison	NA	NA	NA	NA	NA	NA	NA	NA	540	.2	538	Z	–	91
Meagher	NA	NA	NA	NA	NA	NA	NA	NA	350	.2	348	Z	Z	53
Mineral	NA	NA	NA	NA	NA	NA	NA	NA	8	37.5	4	Z	3	3
Missoula	136	15.4	2 690	89.4	2 226	70.6	218.6	562.3	114	31.5	65	25	22	32
Musselshell	NA	NA	NA	NA	NA	NA	NA	NA	83	3.6	80	1	–	15
Park	36	8.3	535	13.3	438	9.8	24.3	63.3	333	1.7	329	3	Z	57
Petroleum	NA	NA	NA	NA	NA	NA	NA	NA	57	1.2	56	Z	–	15

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 1,000 to 2,499 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
MONTANA—Con.														
Phillips	NA	NA	NA	NA	NA	NA	NA	NA	210	1.6	208	Z	–	49
Pondera	NA	NA	NA	NA	NA	NA	NA	NA	212	1.5	211	1	–	58
Powder River	NA	NA	NA	NA	NA	NA	NA	NA	16	18.5	13	Z	–	8
Powell	NA	NA	NA	NA	NA	NA	NA	NA	211	.8	209	1	–	46
Prairie	NA	NA	NA	NA	NA	NA	NA	NA	74	3.4	74	–	–	21
Ravalli	66	18.2	870	21.3	674	14.7	42.1	95.2	167	3.0	161	3	Z	48
Richland	NA	NA	NA	NA	NA	NA	NA	NA	317	.9	313	1	1	55
Roosevelt	NA	NA	NA	NA	NA	NA	NA	NA	45	6.1	42	1	Z	12
Rosebud	NA	NA	NA	NA	NA	NA	NA	NA	165	1.6	145	2	Z	53
Sanders	NA	NA	NA	NA	NA	NA	NA	NA	76	4.1	74	1	Z	19
Sheridan	NA	NA	NA	NA	NA	NA	NA	NA	5	82.7	4	Z	–	4
Silver Bow	NA	NA	NA	NA	NA	NA	NA	NA	39	5.0	25	13	2	10
Stillwater	NA	NA	NA	NA	NA	NA	NA	NA	114	4.5	112	1	–	24
Sweet Grass	NA	NA	NA	NA	NA	NA	NA	NA	324	.4	322	Z	–	49
Teton	NA	NA	NA	NA	NA	NA	NA	NA	519	.4	517	1	–	104
Toole	NA	NA	NA	NA	NA	NA	NA	NA	9	15.7	7	1	Z	3
Treasure	NA	NA	NA	NA	NA	NA	NA	NA	117	1.1	116	Z	–	28
Valley	NA	NA	NA	NA	NA	NA	NA	NA	153	3.3	150	2	Z	44
Wheatland	NA	NA	NA	NA	NA	NA	NA	NA	185	1.4	184	Z	–	29
Wibaux	NA	NA	NA	NA	NA	NA	NA	NA	3	9.6	2	Z	–	1
Yellowstone	182	15.4	3 223	110.1	2 177	68.5	561.0	1 797.9	440	1.4	399	23	10	110
Yellowstone National Park	–	–	–	–	–	–	–	–	Z	100.0	–	Z	–	–
NEBRASKA	1 960	31.2	106 690	3 040.5	84 085	2 132.7	10 822.7	27 859.2	10 548	58.8	7 550	286	30	7 021
Adams	63	38.1	3 526	88.9	2 606	62.4	238.5	593.0	189	96.5	177	7	1	174
Antelope	NA	NA	NA	NA	NA	NA	NA	NA	130	96.3	125	1	–	127
Arthur	NA	NA	NA	NA	NA	NA	NA	NA	18	99.7	18	–	–	18
Banner	NA	NA	NA	NA	NA	NA	NA	NA	27	85.3	25	Z	–	25
Blaine	NA	NA	NA	NA	NA	NA	NA	NA	30	28.3	29	Z	–	9
Boone	NA	NA	NA	NA	NA	NA	NA	NA	88	96.6	85	1	–	85
Box Butte	NA	NA	NA	NA	NA	NA	NA	NA	171	97.5	167	3	–	166
Boyd	NA	NA	NA	NA	NA	NA	NA	NA	4	59.3	3	Z	–	4
Brown	NA	NA	NA	NA	NA	NA	NA	NA	19	84.0	18	Z	Z	46
Buffalo	47	34.0	4 392	122.1	3 371	87.3	354.1	817.1	207	85.6	192	7	1	170
Burt	NA	NA	NA	NA	NA	NA	NA	NA	46	92.2	44	1	–	44
Butler	NA	NA	NA	NA	NA	NA	NA	NA	101	96.9	98	1	–	95
Cass	NA	NA	NA	NA	NA	NA	NA	NA	16	37.6	2	3	1	5
Cedar	NA	NA	NA	NA	NA	NA	NA	NA	53	94.6	48	1	Z	51
Chase	NA	NA	NA	NA	NA	NA	NA	NA	180	98.8	177	1	–	177
Cherry	NA	NA	NA	NA	NA	NA	NA	NA	99	35.9	95	1	–	37
Cheyenne	NA	NA	NA	NA	NA	NA	NA	NA	66	95.3	62	2	Z	63
Clay	NA	NA	NA	NA	NA	NA	NA	NA	198	95.2	192	1	–	187
Colfax	4	25.0	(4)	D	D	D	D	D	60	93.5	53	1	2	53
Cuming	30	16.7	803	18.0	641	13.0	427.7	522.2	44	74.7	28	2	1	33
Custer	NA	NA	NA	NA	NA	NA	NA	NA	241	76.3	233	2	Z	206
Dakota	23	60.9	(5)	D	D	D	D	D	21	98.5	14	3	3	16
Dawes	NA	NA	NA	NA	NA	NA	NA	NA	43	31.1	35	2	–	22
Dawson	26	46.2	3 899	88.8	3 339	72.1	185.8	1 300.0	333	70.2	319	8	Z	282
Deuel	NA	NA	NA	NA	NA	NA	NA	NA	43	48.0	40	1	–	22
Dixon	NA	NA	NA	NA	NA	NA	NA	NA	43	82.5	12	1	Z	41
Dodge	67	46.3	3 437	87.5	2 703	59.9	317.3	1 009.7	101	93.4	90	4	1	91
Douglas	555	31.9	27 335	897.4	20 962	603.3	3 274.2	7 140.4	364	6.5	11	54	1	44
Dundy	NA	NA	NA	NA	NA	NA	NA	NA	103	94.9	101	Z	–	104
Fillmore	NA	NA	NA	NA	NA	NA	NA	NA	163	96.5	161	1	–	158
Franklin	NA	NA	NA	NA	NA	NA	NA	NA	100	86.0	95	1	–	98
Frontier	NA	NA	NA	NA	NA	NA	NA	NA	76	96.3	75	Z	–	72
Furnas	NA	NA	NA	NA	NA	NA	NA	NA	74	52.8	71	1	–	60
Gage	34	50.0	1 700	43.9	1 314	31.3	134.9	305.5	42	77.1	32	5	Z	35
Garden	NA	NA	NA	NA	NA	NA	NA	NA	58	66.2	54	Z	–	53
Garfield	NA	NA	NA	NA	NA	NA	NA	NA	103	8.5	102	Z	–	12
Gosper	NA	NA	NA	NA	NA	NA	NA	NA	165	44.0	164	Z	–	86
Grant	NA	NA	NA	NA	NA	NA	NA	NA	4	97.9	3	Z	–	4
Greeley	NA	NA	NA	NA	NA	NA	NA	NA	45	96.9	43	Z	–	47
Hall	81	30.9	5 791	156.3	4 873	122.2	475.6	1 823.3	170	95.9	147	11	2	146
Hamilton	21	28.6	691	19.9	508	14.0	160.6	332.7	225	99.1	223	1	Z	215
Harlan	NA	NA	NA	NA	NA	NA	NA	NA	122	66.0	119	1	Z	89
Hayes	NA	NA	NA	NA	NA	NA	NA	NA	61	67.0	61	Z	–	41
Hitchcock	NA	NA	NA	NA	NA	NA	NA	NA	51	31.8	47	1	–	25
Holt	NA	NA	NA	NA	NA	NA	NA	NA	168	93.7	157	2	–	160

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Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use– (mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
NEBRASKA—Con.														
Hooker	NA	NA	NA	NA	NA	NA	NA	NA	6	92.9	6	Z	–	6
Howard	NA	NA	NA	NA	NA	NA	NA	NA	42	83.4	39	1	–	74
Jefferson	11	54.5	649	11.8	572	8.9	38.0	67.5	41	83.7	37	1	Z	38
Johnson	NA	NA	NA	NA	NA	NA	NA	NA	8	86.8	6	2	–	7
Kearney	NA	NA	NA	NA	NA	NA	NA	NA	168	98.3	165	1	–	188
Keith	NA	NA	NA	NA	NA	NA	NA	NA	123	78.7	110	2	–	111
Keya Paha	NA	NA	NA	NA	NA	NA	NA	NA	9	83.3	8	Z	–	9
Kimball	NA	NA	NA	NA	NA	NA	NA	NA	39	90.9	36	1	–	36
Knox	NA	NA	NA	NA	NA	NA	NA	NA	51	74.6	43	2	Z	46
Lancaster	267	34.5	15 322	502.3	11 577	323.9	1 962.9	3 855.1	21	90.7	14	2	Z	27
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	1 086	18.5	371	7	Z	257
Logan	NA	NA	NA	NA	NA	NA	NA	NA	20	99.0	19	Z	–	20
Loup	NA	NA	NA	NA	NA	NA	NA	NA	36	21.7	35	–	–	12
McPherson	NA	NA	NA	NA	NA	NA	NA	NA	9	97.6	8	–	–	9
Madison	52	36.5	4 908	154.3	3 959	116.4	486.3	1 402.4	69	86.4	52	6	3	54
Merrick	NA	NA	NA	NA	NA	NA	NA	NA	125	98.3	121	1	–	118
Morrill	NA	NA	NA	NA	NA	NA	NA	NA	116	38.9	110	1	2	174
Nance	NA	NA	NA	NA	NA	NA	NA	NA	39	75.6	38	Z	–	41
Nemaha	NA	NA	NA	NA	NA	NA	NA	NA	637	.4	2	1	–	3
Nuckolls	NA	NA	NA	NA	NA	NA	NA	NA	54	86.4	52	1	–	56
Otoe	17	29.4	1 354	35.0	1 149	28.3	97.3	212.3	308	1.5	1	3	–	4
Pawnee	NA	NA	NA	NA	NA	NA	NA	NA	2	29.6	2	Z	–	2
Perkins	NA	NA	NA	NA	NA	NA	NA	NA	141	99.6	140	1	–	140
Phelps	8	37.5	([4])	D	D	D	D	D	338	60.1	331	2	–	276
Pierce	NA	NA	NA	NA	NA	NA	NA	NA	78	95.7	75	1	–	77
Platte	74	36.5	6 120	164.1	4 613	113.3	551.1	1 217.2	117	93.2	97	5	4	100
Polk	NA	NA	NA	NA	NA	NA	NA	NA	116	98.9	113	1	–	110
Red Willow	NA	NA	NA	NA	NA	NA	NA	NA	64	65.7	55	3	Z	61
Richardson	NA	NA	NA	NA	NA	NA	NA	NA	3	78.4	1	1	–	2
Rock	NA	NA	NA	NA	NA	NA	NA	NA	26	93.3	24	Z	–	26
Saline	19	36.8	2 512	64.7	2 262	48.9	238.5	659.9	66	90.8	62	2	2	61
Sarpy	55	30.9	([5])	D	D	D	D	D	65	91.7	6	46	2	15
Saunders	NA	NA	NA	NA	NA	NA	NA	NA	123	88.2	75	36	Z	75
Scotts Bluff	54	25.9	1 732	46.2	1 397	31.6	134.8	357.5	371	14.2	354	7	3	274
Seward	18	16.7	1 039	30.1	892	23.3	27.0	111.7	99	88.0	96	2	Z	94
Sheridan	NA	NA	NA	NA	NA	NA	NA	NA	81	92.2	79	1	–	86
Sherman	NA	NA	NA	NA	NA	NA	NA	NA	115	31.2	114	Z	–	47
Sioux	NA	NA	NA	NA	NA	NA	NA	NA	30	41.6	29	Z	–	59
Stanton	NA	NA	NA	NA	NA	NA	NA	NA	22	85.4	19	Z	–	20
Thayer	NA	NA	NA	NA	NA	NA	NA	NA	111	91.5	104	1	Z	102
Thomas	NA	NA	NA	NA	NA	NA	NA	NA	8	58.0	4	Z	–	5
Thurston	NA	NA	NA	NA	NA	NA	NA	NA	8	87.4	6	1	–	7
Valley	NA	NA	NA	NA	NA	NA	NA	NA	46	63.9	43	1	–	62
Washington	21	28.6	861	25.1	559	13.7	94.1	372.1	445	3.1	16	4	Z	18
Wayne	15	33.3	1 473	28.6	1 284	22.4	83.0	221.3	21	94.4	19	1	–	20
Webster	NA	NA	NA	NA	NA	NA	NA	NA	117	32.6	113	Z	–	48
Wheeler	NA	NA	NA	NA	NA	NA	NA	NA	30	98.6	28	Z	–	30
York	33	33.3	1 207	32.8	962	22.4	78.2	214.6	232	98.7	228	2	1	220
NEVADA	1 615	25.3	37 849	1 178.0	26 247	677.2	3 298.1	6 361.8	2 301	39.0	1 644	468	15	1 364
Churchill	NA	NA	NA	NA	NA	NA	NA	NA	161	24.5	134	3	Z	101
Clark	814	23.2	([6])	D	D	D	D	D	413	19.5	32	339	7	170
Douglas	65	16.9	1 897	66.3	905	21.5	143.1	241.8	131	18.8	118	10	Z	87
Elko	NA	NA	NA	NA	NA	NA	NA	NA	359	15.4	335	12	–	229
Esmeralda	NA	NA	NA	NA	NA	NA	NA	NA	46	88.5	35	Z	–	35
Eureka	NA	NA	NA	NA	NA	NA	NA	NA	103	85.0	81	Z	–	71
Humboldt	NA	NA	NA	NA	NA	NA	NA	NA	281	78.1	259	4	1	200
Lander	NA	NA	NA	NA	NA	NA	NA	NA	95	68.8	87	1	–	55
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	54	65.3	52	2	–	32
Lyon	50	46.0	1 561	47.9	1 201	30.0	135.6	280.4	194	20.7	178	5	4	115
Mineral	NA	NA	NA	NA	NA	NA	NA	NA	23	36.6	19	1	–	19
Nye	NA	NA	NA	NA	NA	NA	NA	NA	73	82.6	59	5	–	37
Pershing	NA	NA	NA	NA	NA	NA	NA	NA	86	34.3	83	2	–	56
Storey	NA	NA	NA	NA	NA	NA	NA	NA	3	19.9	1	Z	–	3
Washoe	418	29.4	11 522	361.9	7 519	184.0	922.3	1 931.3	159	27.9	73	71	2	76
White Pine	NA	NA	NA	NA	NA	NA	NA	NA	105	55.6	91	3	–	71
Independent City														
Carson City city	186	25.3	4 157	120.8	3 011	70.5	297.3	514.5	15	41.2	6	8	Z	7

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 1,000 to 2,499 employees. [6] 10,000 to 24,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use– (mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
NEW HAMPSHIRE	2 328	32.5	98 934	3 361.4	68 942	1 935.5	11 320.1	19 813.1	1 323	6.2	6	98	43	35
Belknap	133	32.3	4 658	133.4	3 373	84.4	306.3	497.4	7	41.7	Z	3	Z	1
Carroll	93	28.0	1 634	45.9	1 095	23.3	93.3	180.7	8	52.5	1	3	Z	1
Cheshire	168	29.2	6 212	196.4	4 036	110.8	480.4	787.3	9	65.9	Z	5	Z	2
Coos	50	36.0	3 051	94.0	2 394	69.5	255.2	494.3	46	6.8	Z	5	34	5
Grafton	148	30.4	6 886	205.6	5 069	125.3	509.0	881.5	19	35.6	1	8	1	3
Hillsborough	737	32.6	36 656	1 397.9	25 257	782.1	3 527.2	6 260.7	59	35.3	2	40	4	9
Merrimack	224	38.8	9 674	304.9	7 282	186.0	677.3	1 314.4	245	3.4	1	10	1	7
Rockingham	500	29.8	16 582	573.3	10 704	312.9	3 730.2	6 596.5	902	2.2	1	10	1	5
Strafford	159	35.2	9 080	281.5	6 019	146.0	1 306.4	2 106.2	22	33.8	Z	12	1	2
Sullivan	116	37.9	4 501	128.6	3 713	95.2	434.7	694.2	6	43.6	Z	3	1	1
NEW JERSEY	11 812	32.4	409 788	15 430.2	275 840	8 152.1	50 101.7	97 060.8	6 113	9.5	125	1 037	396	257
Atlantic	160	25.6	4 927	143.0	3 801	91.8	338.3	600.3	46	94.5	9	29	1	11
Bergen	1 806	32.9	59 877	2 223.7	39 181	1 087.6	5 527.7	10 419.7	122	27.1	2	102	15	16
Burlington	464	37.5	18 766	740.7	12 947	445.7	2 082.7	3 945.9	234	22.7	81	37	4	18
Camden	677	30.3	21 055	729.5	14 193	392.3	1 916.7	3 617.6	73	95.5	1	65	Z	10
Cape May	82	12.2	813	19.1	665	13.7	52.6	110.4	300	6.1	1	12	Z	7
Cumberland	210	42.9	12 985	398.3	10 077	277.2	979.5	1 896.1	87	38.2	10	15	4	16
Essex	1 206	33.6	35 578	1 359.9	23 210	655.0	5 014.0	8 416.4	46	55.0	Z	30	16	16
Gloucester	290	37.6	11 013	416.5	7 301	231.4	2 187.4	6 882.8	73	48.8	6	22	39	16
Hudson	979	28.9	26 470	787.8	18 236	420.5	2 063.4	4 220.8	444	Z	–	–	3	8
Hunterdon	175	28.0	5 064	194.8	3 434	110.4	562.8	1 104.4	73	18.7	Z	4	46	6
Mercer	352	30.4	13 537	579.7	8 353	291.7	1 315.2	2 413.6	506	2.5	Z	41	1	8
Middlesex	977	39.3	49 983	1 950.6	34 434	1 123.6	6 290.5	13 688.0	94	48.3	1	40	4	13
Monmouth	587	21.8	12 820	402.7	8 814	218.8	1 136.8	2 318.3	79	29.8	4	69	1	11
Morris	749	29.0	24 461	979.6	15 757	490.3	4 780.5	7 531.5	102	43.9	1	79	4	7
Ocean	309	22.7	7 174	201.1	5 384	119.8	510.9	939.8	1 441	3.5	1	44	1	7
Passaic	1 059	34.8	34 589	1 237.6	24 529	668.9	3 764.9	6 464.2	300	2.8	Z	297	Z	12
Salem	48	29.2	4 188	207.5	2 475	108.2	604.3	1 156.2	1 551	.8	4	4	20	29
Somerset	376	35.6	16 289	856.7	8 173	285.5	3 139.3	5 148.4	127	7.8	Z	121	Z	3
Sussex	146	19.9	2 854	87.2	1 956	45.6	194.7	320.8	20	63.1	Z	5	Z	2
Union	996	35.4	40 157	1 619.7	28 056	888.9	6 438.3	13 883.3	326	4.2	Z	15	188	32
Warren	164	37.8	7 188	294.4	4 864	185.0	1 201.1	1 982.3	69	30.1	1	5	50	11
NEW MEXICO	1 593	18.4	39 664	1 135.8	29 334	721.4	13 440.2	17 906.1	3 505	48.6	2 993	311	8	1 980
Bernalillo	703	21.8	([4])	D	D	D	D	D	190	69.3	62	121	1	79
Catron	NA	NA	NA	NA	NA	NA	NA	NA	17	5.0	17	Z	–	3
Chaves	51	23.5	([5])	D	D	D	D	D	290	90.7	262	17	1	195
Cibola	NA	NA	NA	NA	NA	NA	NA	NA	9	68.2	5	3	Z	4
Colfax	NA	NA	NA	NA	NA	NA	NA	NA	48	4.8	43	2	–	20
Curry	NA	NA	NA	NA	NA	NA	NA	NA	230	100.0	219	8	–	184
DeBaca	NA	NA	NA	NA	NA	NA	NA	NA	53	24.0	52	Z	–	26
Dona Ana	111	21.6	2 290	46.9	1 849	31.9	153.5	395.5	441	24.2	399	31	Z	223
Eddy	41	19.5	1 057	43.9	709	26.2	342.7	641.4	238	53.1	212	14	1	148
Grant	NA	NA	NA	NA	NA	NA	NA	NA	61	53.4	33	4	Z	28
Guadalupe	NA	NA	NA	NA	NA	NA	NA	NA	19	14.1	18	1	–	8
Harding	NA	NA	NA	NA	NA	NA	NA	NA	4	97.6	3	Z	–	4
Hidalgo	2	50.0	([6])	D	D	D	D	D	41	85.5	34	1	Z	25
Lea	45	13.3	524	14.8	315	8.2	98.5	379.7	158	100.0	117	14	1	116
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	35	36.0	30	3	Z	16
Los Alamos	NA	NA	NA	NA	NA	NA	NA	NA	5	100.0	–	5	–	5
Luna	16	25.0	776	10.7	564	7.8	23.2	49.5	132	85.2	126	4	Z	76
McKinley	NA	NA	NA	NA	NA	NA	NA	NA	18	76.1	4	4	1	12
Mora	NA	NA	NA	NA	NA	NA	NA	NA	33	1.9	33	Z	–	16
Otero	26	19.2	593	10.5	547	9.0	46.9	93.8	47	68.6	33	11	Z	32
Quay	NA	NA	NA	NA	NA	NA	NA	NA	134	20.5	132	2	–	56
Rio Arriba	NA	NA	NA	NA	NA	NA	NA	NA	85	5.6	80	2	Z	32
Roosevelt	NA	NA	NA	NA	NA	NA	NA	NA	144	100.0	136	5	Z	119
Sandoval	57	29.8	([7])	D	D	D	D	D	68	27.6	50	14	1	27
San Juan	71	16.9	1 147	30.3	883	19.2	90.3	257.8	345	.9	278	16	2	224
San Miguel	NA	NA	NA	NA	NA	NA	NA	NA	31	4.9	26	3	–	12
Santa Fe	162	8.6	1 436	31.7	1 038	19.7	72.8	124.8	46	52.4	29	14	Z	25
Sierra	NA	NA	NA	NA	NA	NA	NA	NA	42	39.4	39	2	Z	23
Socorro	NA	NA	NA	NA	NA	NA	NA	NA	147	25.6	143	2	Z	54
Taos	NA	NA	NA	NA	NA	NA	NA	NA	98	6.6	93	2	Z	38
Torrance	NA	NA	NA	NA	NA	NA	NA	NA	42	100.0	40	1	Z	31
Union	NA	NA	NA	NA	NA	NA	NA	NA	76	95.4	75	1	–	64
Valencia	40	12.5	967	22.3	779	15.4	55.5	110.3	180	9.3	171	4	Z	55

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 10,000 to 24,999 employees. [5] 2,500 to 4,999 employees. [6] 500 to 999 employees. [7] 5,000 to 9,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
NEW YORK	23 908	28.0	785 891	26 515.8	538 186	14 695.8	76 999.8	146 720.2	16 782	6.0	30	3 000	259	603
Albany	272	30.9	9 065	335.9	6 082	189.5	1 086.5	2 182.4	567	1.4	1	49	4	17
Allegany	57	28.1	2 919	102.4	1 899	54.0	242.6	542.8	10	74.8	Z	5	2	2
Bronx	527	30.7	12 941	319.6	9 928	202.1	725.5	1 252.3	197	3.8	–	–	–	8
Broome	242	44.6	20 429	787.8	12 357	314.0	1 631.9	3 147.6	133	17.1	Z	33	4	7
Cattaraugus	95	43.2	5 341	162.9	4 110	115.7	529.7	930.5	16	77.7	Z	8	2	3
Cayuga	100	33.0	3 859	110.4	2 824	71.0	312.0	618.6	17	22.7	Z	12	1	3
Chautauqua	222	41.4	13 084	409.1	9 651	267.2	1 459.6	2 973.6	1 204	1.1	1	14	5	28
Chemung	94	46.8	9 098	278.1	6 214	170.4	765.6	1 357.3	18	61.0	Z	13	2	2
Chenango	86	38.4	3 829	120.3	2 643	62.3	497.9	790.4	9	69.7	Z	3	2	2
Clinton	82	34.1	4 188	131.8	3 422	98.3	359.5	777.9	16	28.0	Z	8	2	3
Columbia	86	30.2	2 531	62.2	1 882	38.6	156.2	331.1	9	68.6	1	3	1	2
Cortland	70	41.4	4 521	123.5	3 190	76.7	400.6	736.1	11	95.3	Z	7	1	2
Delaware	60	46.7	4 386	147.9	3 169	92.7	418.0	783.7	490	1.3	Z	485	1	2
Dutchess	210	28.1	11 848	521.3	5 675	153.8	937.5	3 032.9	40	41.6	Z	27	2	5
Erie	1 251	36.8	63 234	2 422.1	45 098	1 541.8	7 064.6	14 054.5	1 095	.7	1	215	26	42
Essex	40	12.5	1 474	50.4	1 132	35.3	130.0	285.2	12	14.0	Z	7	Z	2
Franklin	26	30.8	1 165	24.9	971	18.2	71.6	144.4	11	44.4	Z	6	1	2
Fulton	116	37.1	3 548	86.6	2 845	58.8	220.6	443.6	8	45.4	Z	3	2	1
Genesee	107	37.4	3 979	127.0	2 834	75.5	335.2	778.1	11	65.4	Z	5	2	2
Greene	37	16.2	740	22.4	472	11.9	57.8	118.4	11	37.6	1	3	Z	2
Hamilton	NA	NA	NA	NA	NA	NA	NA	NA	1	41.0	–	1	Z	Z
Herkimer	71	42.3	4 971	135.8	3 982	96.5	411.9	662.4	16	19.7	1	11	1	3
Jefferson	84	36.9	3 896	132.0	2 791	85.2	357.6	812.6	31	23.5	Z	16	6	4
Kings	2 672	23.2	48 589	1 139.9	37 284	718.3	3 014.6	5 725.5	51	48.8	–	–	12	6
Lewis	24	41.7	1 560	53.1	1 207	35.4	130.3	505.3	8	48.9	Z	2	2	2
Livingston	48	37.5	2 196	59.5	1 725	39.1	327.0	500.5	13	31.2	Z	6	1	2
Madison	69	30.4	2 526	69.3	2 040	45.7	159.9	506.7	12	36.4	–	6	1	2
Monroe	1 007	37.5	82 459	3 521.8	52 189	1 861.6	12 355.0	21 774.7	344	3.4	1	128	25	21
Montgomery	84	42.9	4 790	123.6	3 686	75.9	345.4	637.7	15	18.9	1	9	2	3
Nassau	1 653	22.3	42 717	1 550.8	26 522	704.5	4 093.7	7 117.3	546	39.6	Z	187	13	27
New York	5 165	23.2	93 784	2 551.8	63 917	1 336.4	6 420.9	14 028.9	340	24.0	–	–	29	28
Niagara	310	39.4	18 164	836.5	13 605	578.6	2 530.6	4 403.5	434	.5	Z	52	9	14
Oneida	280	36.4	15 079	447.1	10 928	283.0	1 170.6	2 485.3	39	14.8	1	26	5	5
Onondaga	510	37.5	33 289	1 296.3	21 138	682.3	3 617.1	6 614.4	170	9.0	Z	143	11	17
Ontario	161	41.0	7 196	226.4	4 896	119.9	561.9	999.1	18	31.1	Z	11	3	3
Orange	346	30.9	([4])	D	D	D	D	D	1 369	1.5	1	29	4	32
Orleans	48	50.0	2 269	71.2	1 631	42.9	230.6	496.0	5	53.7	Z	2	1	1
Oswego	108	29.6	5 082	204.9	3 929	140.2	534.5	2 210.7	1 172	1.1	2	14	3	66
Otsego	68	25.0	1 481	38.0	1 151	24.7	131.0	225.0	10	40.9	Z	5	Z	2
Putnam	74	18.9	1 595	60.3	967	27.8	163.1	258.9	131	3.7	Z	126	Z	1
Queens	2 043	26.5	50 505	1 433.2	36 736	806.8	3 566.3	6 412.8	2 216	2.0	–	24	8	48
Rensselaer	110	39.1	5 023	169.1	3 030	84.8	301.7	767.2	38	27.9	Z	27	4	4
Richmond	162	12.3	2 156	59.6	1 404	37.8	148.8	316.2	493	.6	–	–	Z	11
Rockland	309	23.3	10 739	413.3	6 958	215.6	2 642.4	3 649.8	1 218	3.0	Z	34	8	27
St. Lawrence	85	36.5	5 311	201.4	3 994	137.7	606.3	1 602.2	22	31.7	Z	8	2	4
Saratoga	139	28.8	6 400	263.2	4 662	166.3	720.5	1 513.9	21	50.5	Z	12	2	3
Schenectady	119	33.6	5 134	212.2	3 759	142.9	756.4	1 687.8	31	98.9	Z	27	2	3
Schoharie	28	21.4	1 024	24.0	817	17.3	128.9	180.8	132	3.5	1	123	Z	2
Schuyler	17	35.3	574	18.3	395	12.7	49.9	88.8	5	42.1	Z	1	Z	1
Seneca	31	25.8	2 037	71.2	1 362	43.4	221.0	457.2	5	44.9	Z	3	Z	1
Steuben	74	37.8	8 070	264.2	6 029	169.0	803.8	1 338.5	65	21.9	1	11	5	5
Suffolk	2 535	26.5	70 317	2 433.5	44 634	1 179.1	7 090.4	12 009.2	1 011	17.1	9	127	14	42
Sullivan	54	13.0	([5])	D	D	D	D	D	151	4.0	Z	146	Z	1
Tioga	48	29.2	5 055	239.8	1 694	42.4	1 200.3	1 569.6	9	91.1	Z	4	1	2
Tompkins	94	26.6	3 613	123.6	2 619	76.2	303.1	667.1	261	1.2	Z	12	Z	7
Ulster	215	26.0	6 449	183.7	4 355	105.1	450.5	785.0	482	2.1	2	470	1	4
Warren	84	22.6	4 014	144.0	2 634	72.8	423.6	820.7	14	9.8	Z	10	1	2
Washington	99	37.4	3 852	122.7	2 912	78.6	347.2	642.0	11	47.8	1	4	1	3
Wayne	145	37.2	8 041	221.8	5 883	141.5	752.9	1 435.2	484	1.3	Z	11	2	12
Westchester	869	23.7	18 797	626.3	13 047	342.3	1 431.7	3 012.0	1 380	1.8	Z	260	16	40
Wyoming	55	50.9	3 011	79.1	2 400	54.7	195.7	371.9	11	48.7	Z	4	Z	3
Yates	27	22.2	522	15.6	351	9.5	91.2	225.2	113	1.6	Z	1	Z	3

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 10,000 to 24,999 employees. [5] 500 to 999 employees.

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	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
NORTH CAROLINA	11 306	40.9	773 548	21 297.9	601 190	14 061.0	78 638.0	161 900.5	9 286	5.8	239	769	369	730
Alamance	282	54.3	21 490	588.2	17 603	406.5	1 415.5	3 324.8	28	16.0	4	14	5	10
Alexander	99	50.5	5 512	129.2	4 741	101.3	295.5	635.0	5	36.3	Z	2	–	3
Alleghany	22	45.5	1 422	27.2	1 124	19.6	80.0	245.3	3	47.4	1	Z	Z	2
Anson	37	59.5	3 426	74.3	2 867	53.4	174.0	364.8	13	32.9	Z	6	5	5
Ashe	37	32.4	2 093	42.2	1 823	33.2	99.2	242.1	4	56.0	1	Z	–	2
Avery	11	45.5	802	14.6	749	13.1	49.0	85.4	9	22.9	4	1	1	4
Beaufort	65	41.5	5 772	139.8	4 606	95.5	328.0	927.8	17	91.0	1	2	Z	12
Bertie	16	50.0	(4)	D	D	D	D	D	8	57.6	3	1	Z	7
Bladen	36	58.3	6 559	127.4	5 846	103.4	–192.5	1 040.9	9	77.0	1	2	2	5
Brunswick	57	31.6	2 340	86.9	1 785	58.4	458.3	1 013.3	1 565	.3	8	2	1	28
Buncombe	332	38.3	(5)	D	D	D	D	D	38	18.4	2	24	3	10
Burke	171	48.5	17 279	416.7	14 305	297.2	1 026.7	2 126.9	29	16.7	3	16	7	9
Cabarrus	166	33.7	13 099	409.7	10 652	295.3	6 096.7	7 991.8	31	21.2	2	9	17	8
Caldwell	167	52.7	15 254	344.4	13 275	269.4	831.9	1 633.1	13	21.1	3	6	2	6
Camden	NA	NA	NA	NA	NA	NA	NA	NA	1	97.7	Z	Z	–	1
Carteret	69	17.4	1 576	29.4	1 369	21.6	72.5	173.1	8	94.5	2	4	Z	4
Caswell	NA	NA	NA	NA	NA	NA	NA	NA	4	84.8	2	1	–	2
Catawba	575	51.3	40 469	1 035.2	33 729	741.3	2 527.8	5 512.8	806	1.1	4	17	6	10
Chatham	76	47.4	7 109	158.2	6 261	122.7	431.5	1 014.3	396	1.5	Z	4	Z	15
Cherokee	27	44.4	2 776	56.3	2 375	44.8	136.5	315.0	8	15.3	Z	2	–	1
Chowan	18	44.4	1 061	23.8	890	17.1	53.5	114.2	3	57.1	1	2	Z	2
Clay	NA	NA	NA	NA	NA	NA	NA	NA	5	18.6	Z	Z	–	1
Cleveland	173	47.4	14 655	399.9	11 767	293.3	1 321.2	2 497.0	39	10.7	2	13	2	7
Columbus	46	54.3	4 767	129.9	3 707	83.1	379.4	895.5	7	74.5	1	2	1	3
Craven	86	26.7	4 344	118.5	3 477	87.8	237.6	796.4	14	95.4	3	10	Z	6
Cumberland	121	43.0	12 282	384.6	9 912	281.9	1 419.4	2 766.9	36	23.8	5	25	2	13
Currituck	NA	NA	NA	NA	NA	NA	NA	NA	2	74.1	1	Z	–	2
Dare	NA	NA	NA	NA	NA	NA	NA	NA	6	90.3	2	4	–	3
Davidson	326	40.5	21 576	521.7	17 683	384.5	1 229.8	2 249.4	22	6.2	2	15	5	7
Davie	45	40.0	2 886	76.4	2 423	52.6	178.1	406.9	6	31.4	2	2	Z	3
Duplin	48	43.8	4 688	95.2	3 763	68.7	190.3	675.9	29	86.7	4	11	1	17
Durham	181	33.1	31 489	1 027.2	10 092	252.1	2 961.1	11 223.8	31	14.6	3	21	4	9
Edgecombe	50	56.0	7 720	234.0	5 995	136.7	539.1	1 606.6	12	42.6	3	4	1	6
Forsyth	399	36.8	26 545	908.6	20 891	642.1	5 769.3	9 676.3	62	7.9	6	43	9	19
Franklin	55	47.3	2 259	67.3	1 859	43.9	259.1	444.6	9	36.9	4	2	Z	6
Gaston	492	39.6	31 175	863.2	25 139	617.1	2 758.2	5 772.7	399	1.7	2	33	45	19
Gates	NA	NA	NA	NA	NA	NA	NA	NA	2	79.7	1	1	–	2
Graham	3	66.7	(6)	D	D	D	D	D	42	1.0	Z	Z	–	Z
Granville	57	52.6	6 990	185.2	5 353	121.5	945.0	1 534.2	7	33.4	2	2	1	4
Greene	NA	NA	NA	NA	NA	NA	NA	NA	5	87.1	1	2	–	3
Guilford	862	42.5	47 158	1 431.2	34 628	875.9	6 136.4	10 546.4	95	13.9	11	42	34	29
Halifax	59	47.5	4 136	113.7	3 442	84.2	211.4	567.7	13	23.3	3	6	2	6
Harnett	82	40.2	5 959	149.3	5 020	104.1	309.1	633.7	97	7.1	3	7	84	23
Haywood	49	26.5	3 321	130.2	2 645	97.6	178.7	726.3	85	2.2	1	6	26	8
Henderson	132	28.0	8 361	260.1	6 845	190.0	848.5	1 745.8	14	22.6	4	6	2	6
Hertford	30	56.7	1 695	37.2	1 364	25.8	105.8	459.2	5	80.0	2	1	–	3
Hoke	11	45.5	3 151	72.8	2 903	62.5	238.4	414.8	5	79.7	1	2	Z	2
Hyde	NA	NA	NA	NA	NA	NA	NA	NA	1	97.4	–	1	Z	Z
Iredell	263	46.0	16 978	476.5	12 941	304.6	1 289.0	3 172.6	24	28.8	2	9	7	8
Jackson	36	25.0	699	15.9	539	11.2	36.3	76.3	5	42.1	1	1	Z	1
Johnston	114	39.5	6 588	192.1	4 713	111.2	682.4	1 622.3	14	49.6	5	5	Z	8
Jones	NA	NA	NA	NA	NA	NA	NA	NA	5	52.1	1	1	3	2
Lee	108	50.0	12 130	319.4	9 340	193.0	1 180.2	2 167.9	9	20.4	2	5	–	4
Lenoir	82	43.9	7 120	201.4	5 411	127.3	650.9	1 596.1	12	83.7	1	7	Z	5
Lincoln	112	47.3	8 047	196.4	6 834	150.1	470.9	990.9	11	31.8	1	6	1	3
McDowell	63	49.2	6 084	140.9	5 186	109.9	382.5	866.3	11	40.1	1	2	2	2
Macon	34	29.4	1 358	32.5	1 134	23.6	98.0	174.7	17	8.7	1	1	Z	2
Madison	NA	NA	NA	NA	NA	NA	NA	NA	4	33.7	1	Z	Z	1
Martin	22	36.4	1 902	40.6	1 673	30.3	96.4	307.9	6	81.6	1	3	–	3
Mecklenburg	1 001	33.8	42 494	1 429.8	27 420	767.9	4 383.6	8 831.4	2 749	.5	12	73	5	31
Mitchell	32	28.1	1 868	37.1	1 706	30.6	64.5	151.4	7	13.4	Z	1	–	1
Montgomery	78	56.4	5 292	112.1	4 493	83.8	303.4	666.7	7	30.6	1	3	Z	4
Moore	105	39.0	5 943	129.9	4 945	93.4	366.9	903.7	27	44.0	14	5	Z	21
Nash	104	50.0	9 879	267.8	7 876	190.6	860.4	1 721.8	24	17.1	6	13	2	11
New Hanover	203	26.6	8 378	338.8	5 922	211.4	1 615.2	2 698.2	67	14.4	4	20	Z	13
Northampton	13	61.5	749	20.5	601	14.5	84.3	233.0	5	79.4	1	1	Z	3
Onslow	37	32.4	1 829	37.7	1 554	29.2	169.4	346.4	15	97.1	2	8	–	6

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 2,500 to 4,999 employees. [5] 10,000 to 24,999 employees. [6] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use–(mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
NORTH CAROLINA–Con.														
Orange	78	19.2	1 209	34.0	913	21.5	69.7	142.1	16	19.4	3	11	–	6
Pamlico	NA	NA	NA	NA	NA	NA	NA	NA	3	100.0	2	1	–	2
Pasquotank	31	35.5	884	18.5	698	12.6	75.2	148.6	5	90.2	1	4	Z	2
Pender	39	30.8	1 123	24.3	902	17.3	41.3	135.8	4	59.9	2	1	–	3
Perquimans	NA	NA	NA	NA	NA	NA	NA	NA	2	95.8	Z	1	–	1
Person	39	48.7	5 138	135.5	4 048	95.6	471.6	1 084.8	678	.3	2	4	1	34
Pitt	119	42.0	9 305	280.8	6 985	174.5	1 707.3	2 741.9	26	58.3	3	14	6	9
Polk	25	40.0	904	19.9	771	15.0	72.2	150.9	3	41.4	1	1	Z	1
Randolph	411	43.3	24 954	559.8	20 933	410.7	1 853.7	3 612.7	24	48.6	2	7	3	12
Richmond	58	43.1	4 814	114.5	4 033	89.0	384.4	719.7	12	32.2	2	5	2	6
Robeson	96	52.1	11 890	264.0	10 112	194.3	1 305.3	2 407.9	38	46.9	3	17	6	13
Rockingham	124	51.6	13 958	387.0	11 643	297.2	1 169.0	3 214.4	69	3.4	5	22	1	9
Rowan	201	51.7	14 324	413.8	11 907	316.3	1 506.1	3 677.9	72	9.9	2	12	2	7
Rutherford	97	49.5	11 480	278.6	9 409	198.5	524.1	1 514.2	33	9.0	2	10	11	14
Sampson	61	47.5	4 202	102.4	3 176	59.9	207.6	768.5	21	77.3	6	3	Z	16
Scotland	59	59.3	8 534	234.0	7 422	174.9	716.1	1 533.3	9	59.0	1	3	3	3
Stanly	124	48.4	8 086	210.3	6 544	152.1	547.1	1 167.5	13	27.3	2	8	1	4
Stokes	33	33.3	1 218	37.0	958	21.9	75.1	167.7	898	.2	1	2	–	2
Surry	149	43.6	14 915	300.1	13 186	238.5	762.3	1 697.3	26	29.1	2	7	10	8
Swain	NA	NA	NA	NA	NA	NA	NA	NA	23	3.7	Z	Z	–	1
Transylvania	28	35.7	3 071	119.3	2 337	79.7	435.5	715.1	30	7.0	2	2	Z	3
Tyrrell	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	–	Z	–	Z
Union	228	39.5	13 113	356.9	10 261	223.6	1 256.3	2 543.5	27	37.4	1	10	5	13
Vance	53	60.4	5 085	119.2	4 217	80.9	464.6	1 218.0	22	59.8	1	5	14	5
Wake	639	27.1	23 789	784.7	15 855	388.3	6 075.3	10 420.0	79	23.1	10	43	8	28
Warren	13	69.2	813	15.3	757	13.6	36.6	95.5	3	43.0	1	Z	Z	2
Washington	15	46.7	(4)	D	D	D	D	D	6	91.8	1	3	–	3
Watauga	56	16.1	1 223	24.8	1 014	18.3	54.5	97.4	6	19.8	1	4	–	2
Wayne	101	43.6	9 495	231.1	7 597	159.2	646.7	1 417.5	32	29.9	3	9	6	12
Wilkes	108	37.0	8 082	168.1	7 025	129.4	403.7	1 081.2	18	35.0	1	7	–	11
Wilson	96	40.6	8 954	288.1	7 218	195.8	2 605.9	4 980.3	17	30.1	3	8	3	7
Yadkin	43	39.5	3 616	94.5	3 068	68.2	231.7	787.3	6	74.0	1	2	–	3
Yancey	21	61.9	1 645	39.3	1 369	28.2	92.4	373.4	2	57.6	1	Z	–	1
NORTH DAKOTA	704	26.7	21 956	604.8	16 364	386.9	1 802.4	5 115.9	1 122	10.9	117	73	11	181
Adams	NA	NA	NA	NA	NA	NA	NA	NA	1	62.2	Z	Z	–	1
Barnes	NA	NA	NA	NA	NA	NA	NA	NA	2	44.0	Z	1	Z	1
Benson	NA	NA	NA	NA	NA	NA	NA	NA	3	93.7	1	1	–	1
Billings	NA	NA	NA	NA	NA	NA	NA	NA	1	56.3	Z	Z	Z	1
Bottineau	NA	NA	NA	NA	NA	NA	NA	NA	2	64.7	Z	1	Z	1
Bowman	NA	NA	NA	NA	NA	NA	NA	NA	3	27.2	1	Z	–	2
Burke	NA	NA	NA	NA	NA	NA	NA	NA	1	50.0	Z	Z	–	1
Burleigh	54	22.2	1 310	47.3	927	30.5	–	99.7	12	20.1	2	9	Z	5
Cass	183	37.2	6 757	173.5	4 947	106.5	625.8	1 512.2	19	31.5	3	14	1	6
Cavalier	NA	NA	NA	NA	NA	NA	NA	NA	1	28.7	Z	1	–	Z
Dickey	NA	NA	NA	NA	NA	NA	NA	NA	7	87.7	5	1	–	6
Divide	NA	NA	NA	NA	NA	NA	NA	NA	2	90.2	2	Z	Z	2
Dunn	NA	NA	NA	NA	NA	NA	NA	NA	3	50.1	2	Z	Z	3
Eddy	NA	NA	NA	NA	NA	NA	NA	NA	2	72.0	1	Z	–	1
Emmons	NA	NA	NA	NA	NA	NA	NA	NA	6	23.4	5	Z	–	6
Foster	NA	NA	NA	NA	NA	NA	NA	NA	2	94.1	1	Z	Z	2
Golden Valley	NA	NA	NA	NA	NA	NA	NA	NA	3	14.0	2	Z	Z	3
Grand Forks	52	25.0	1 737	39.0	1 387	28.3	145.3	251.5	16	36.2	5	10	–	7
Grant	NA	NA	NA	NA	NA	NA	NA	NA	8	11.0	7	Z	–	7
Griggs	NA	NA	NA	NA	NA	NA	NA	NA	2	94.9	1	Z	–	1
Hettinger	NA	NA	NA	NA	NA	NA	NA	NA	1	63.2	Z	Z	–	Z
Kidder	NA	NA	NA	NA	NA	NA	NA	NA	6	91.0	5	Z	–	6
LaMoure	NA	NA	NA	NA	NA	NA	NA	NA	5	93.0	4	Z	–	4
Logan	NA	NA	NA	NA	NA	NA	NA	NA	2	84.5	1	Z	–	2
McHenry	NA	NA	NA	NA	NA	NA	NA	NA	19	33.7	17	1	Z	16
McIntosh	NA	NA	NA	NA	NA	NA	NA	NA	1	76.9	–	Z	–	1
McKenzie	NA	NA	NA	NA	NA	NA	NA	NA	13	14.2	11	Z	Z	11
McLean	NA	NA	NA	NA	NA	NA	NA	NA	161	2.5	3	1	Z	14
Mercer	NA	NA	NA	NA	NA	NA	NA	NA	278	.6	1	5	6	19
Morton	27	37.0	883	27.2	641	17.7	109.8	573.4	38	4.6	1	3	2	4
Mountrail	NA	NA	NA	NA	NA	NA	NA	NA	2	52.9	1	Z	–	1
Nelson	NA	NA	NA	NA	NA	NA	NA	NA	1	91.2	Z	Z	–	1
Oliver	NA	NA	NA	NA	NA	NA	NA	NA	435	.2	3	Z	–	4
Pembina	16	6.3	(5)	D	D	D	D	D	2	57.7	Z	1	Z	1
Pierce	NA	NA	NA	NA	NA	NA	NA	NA	2	84.5	1	1	–	1

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
NORTH DAKOTA—Con.														
Ramsey	NA	NA	NA	NA	NA	NA	NA	NA	1	66.7	Z	Z	–	Z
Ransom	NA	NA	NA	NA	NA	NA	NA	NA	13	90.1	12	1	Z	11
Renville	NA	NA	NA	NA	NA	NA	NA	NA	Z	80.8	Z	Z	Z	Z
Richland	34	38.2	2 261	69.2	1 758	50.0	120.5	373.0	4	94.8	Z	2	Z	1
Rolette	NA	NA	NA	NA	NA	NA	NA	NA	2	94.0	Z	1	–	1
Sargent	5	60.0	(4)	D	D	D	D	D	6	97.6	6	Z	–	6
Sheridan	NA	NA	NA	NA	NA	NA	NA	NA	1	73.6	Z	Z	–	Z
Sioux	NA	NA	NA	NA	NA	NA	NA	NA	1	64.4	Z	Z	–	1
Slope	NA	NA	NA	NA	NA	NA	NA	NA	1	30.6	1	Z	–	1
Stark	30	20.0	718	17.6	508	10.2	36.6	75.8	2	41.8	1	Z	Z	3
Steele	NA	NA	NA	NA	NA	NA	NA	NA	1	95.7	1	Z	–	1
Stutsman	28	35.7	1 446	41.0	1 001	20.8	110.1	250.3	6	93.2	1	2	2	4
Towner	NA	NA	NA	NA	NA	NA	NA	NA	1	55.6	Z	Z	Z	Z
Traill	NA	NA	NA	NA	NA	NA	NA	NA	1	62.4	Z	1	–	Z
Walsh	NA	NA	NA	NA	NA	NA	NA	NA	2	46.4	Z	1	–	1
Ward	58	19.0	770	18.0	499	10.4	91.6	281.6	9	91.7	1	7	Z	3
Wells	NA	NA	NA	NA	NA	NA	NA	NA	1	84.7	Z	Z	–	Z
Williams	NA	NA	NA	NA	NA	NA	NA	NA	11	47.7	7	3	Z	7
OHIO	17 974	38.4	984 201	35 950.5	730 170	23 561.0	112 491.4	241 902.9	10 523	8.6	27	1 420	557	791
Adams	31	19.4	(5)	D	D	D	D	D	735	.6	Z	2	–	6
Allen	132	37.9	9 529	407.8	7 458	299.7	2 753.8	6 631.7	40	23.5	Z	31	5	8
Ashland	98	44.9	7 135	215.7	5 681	145.3	580.0	1 157.5	6	93.7	Z	4	Z	1
Ashtabula	175	41.7	9 984	302.6	7 607	206.4	921.2	1 794.3	211	1.0	Z	9	12	15
Athens	43	16.3	1 351	32.5	983	22.3	123.1	222.1	7	68.8	Z	6	–	1
Auglaize	93	40.9	8 236	288.7	6 053	187.8	829.7	1 737.6	15	66.1	Z	5	Z	4
Belmont	55	23.6	1 523	36.9	1 190	26.4	111.4	272.5	240	3.4	Z	9	1	2
Brown	25	28.0	1 110	33.4	872	24.8	85.9	280.8	4	78.8	Z	3	–	1
Butler	396	39.1	20 391	819.2	14 957	562.3	4 325.4	6 567.8	74	83.3	1	37	33	29
Carroll	40	37.5	1 782	56.7	1 267	43.0	138.8	302.3	4	87.3	Z	1	1	1
Champaign	55	40.0	3 452	101.3	2 853	71.9	493.4	946.8	5	92.7	Z	2	–	1
Clark	230	39.6	13 231	520.0	10 009	369.1	1 575.2	4 071.5	25	88.8	1	19	Z	5
Clermont	167	33.5	7 892	305.5	5 123	178.6	887.1	1 544.3	547	3.1	Z	14	–	24
Clinton	50	52.0	4 969	135.5	3 897	86.6	352.4	809.6	2	55.4	–	1	–	1
Columbiana	209	39.2	8 616	246.3	7 016	169.8	583.2	1 109.3	14	48.6	Z	10	Z	3
Coshocton	55	50.9	4 814	162.9	3 508	105.0	513.4	1 191.3	238	7.7	Z	9	6	13
Crawford	90	51.1	6 575	211.6	5 213	156.6	674.5	1 194.7	6	29.5	Z	4	–	2
Cuyahoga	2 712	36.0	116 680	4 640.6	79 865	2 783.6	11 552.7	23 382.3	429	.1	Z	282	99	38
Darke	92	31.5	5 811	172.4	4 299	107.1	545.2	1 147.4	8	61.2	Z	3	–	3
Defiance	48	50.0	7 150	329.2	6 119	272.2	645.8	1 338.9	6	25.9	Z	5	–	1
Delaware	117	34.2	5 131	187.6	3 234	97.7	725.1	1 285.7	17	26.7	1	8	Z	5
Erie	117	51.3	9 176	409.2	7 192	304.1	1 006.3	2 251.5	22	8.0	Z	14	7	9
Fairfield	154	26.6	6 251	188.2	4 762	125.4	464.3	833.7	13	97.0	Z	9	–	3
Fayette	45	48.9	2 959	83.5	2 426	66.2	241.0	572.8	4	46.6	Z	2	–	1
Franklin	1 061	35.4	48 265	1 754.6	34 268	1 059.5	6 256.9	11 837.7	162	19.2	2	150	1	29
Fulton	110	53.6	9 108	276.5	7 288	165.5	807.8	1 673.4	6	29.9	Z	4	–	1
Gallia	18	27.8	948	26.9	759	19.2	72.7	117.6	1 285	.4	–	3	–	178
Geauga	233	35.2	9 851	306.2	7 117	180.7	692.6	1 380.2	8	88.0	Z	1	–	2
Greene	141	34.0	4 952	166.2	3 542	103.0	430.5	738.0	18	86.0	Z	9	1	6
Guernsey	59	44.1	3 773	113.7	3 048	86.3	399.8	899.9	7	27.7	Z	5	–	1
Hamilton	1 450	37.9	76 053	3 027.9	48 484	1 593.5	10 275.8	20 077.9	311	21.3	1	155	15	70
Hancock	97	44.3	11 964	422.5	9 302	293.0	1 330.2	2 792.4	18	24.1	Z	14	1	5
Hardin	38	50.0	2 412	84.6	1 975	63.0	213.0	484.3	4	93.2	Z	2	–	1
Harrison	24	37.5	678	14.2	535	8.9	40.7	105.8	2	45.4	–	1	–	Z
Henry	54	44.4	3 947	148.6	3 239	114.7	1 145.5	1 721.1	9	17.0	Z	2	6	2
Highland	41	39.0	3 851	94.4	3 297	68.3	280.7	653.8	4	31.5	–	2	–	1
Hocking	26	50.0	2 102	60.4	1 804	47.3	174.5	341.3	5	97.1	Z	3	–	1
Holmes	164	31.7	4 621	100.2	3 889	76.3	329.0	710.1	5	79.2	–	1	Z	2
Huron	110	50.9	11 114	326.0	9 239	239.8	988.3	2 152.7	11	23.3	1	7	Z	2
Jackson	37	37.8	3 631	83.4	3 174	65.1	422.8	780.5	2	68.9	–	2	–	Z
Jefferson	45	26.7	2 244	78.7	1 579	49.6	187.6	463.3	2 147	.6	Z	5	149	32
Knox	72	41.7	4 924	174.4	3 550	104.6	399.3	972.3	7	74.7	Z	4	–	1
Lake	769	34.1	25 423	893.2	18 166	518.8	2 746.8	4 661.0	804	.2	4	29	1	47
Lawrence	44	27.3	1 969	65.0	1 462	46.8	530.9	998.1	9	72.4	–	5	3	1
Licking	150	36.7	9 489	321.1	7 635	239.6	1 315.7	2 455.1	18	52.5	Z	11	1	3
Logan	58	43.1	6 295	238.9	5 088	186.3	1 334.7	3 766.0	6	90.4	–	3	Z	1
Lorain	437	37.8	27 252	1 054.4	21 092	730.1	4 578.7	11 225.5	544	.3	1	37	2	7
Lucas	652	36.0	33 116	1 404.8	26 522	1 050.6	3 742.1	12 071.0	754	.9	1	82	34	17
Madison	51	45.1	3 401	102.8	2 744	72.1	287.0	606.5	4	92.2	Z	2	–	1
Mahoning	405	36.3	13 001	398.6	9 883	259.2	953.7	2 110.0	8	19.7	Z	6	Z	2

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
OHIO—Con.														
Marion	86	45.3	6 842	229.8	5 270	160.0	837.5	1 924.7	9	48.1	Z	6	1	3
Medina	306	40.5	10 672	346.7	7 492	195.6	890.0	1 744.7	17	59.4	Z	7	–	4
Meigs	NA	NA	NA	NA	NA	NA	NA	NA	9	76.9	–	2	–	3
Mercer	62	41.9	4 473	130.8	3 720	93.6	413.2	775.7	7	71.5	Z	2	Z	3
Miami	265	35.8	13 848	454.9	9 839	265.4	1 338.5	2 611.8	42	30.0	1	11	Z	3
Monroe	21	14.3	(4)	D	D	D	D	D	4	54.5	Z	2	–	2
Montgomery	927	38.4	56 299	2 337.3	41 924	1 592.6	7 143.4	15 734.7	179	74.3	2	99	16	33
Morgan	10	30.0	921	27.5	736	18.6	72.3	135.5	4	88.5	Z	1	1	1
Morrow	27	37.0	1 778	57.5	1 169	28.2	147.5	366.2	3	90.7	Z	1	–	1
Muskingum	113	34.5	10 096	248.8	8 869	199.2	765.7	1 214.6	19	79.0	Z	10	5	7
Noble	12	41.7	(5)	D	D	D	D	D	1	31.2	–	1	–	Z
Ottawa	56	42.9	2 886	100.8	2 308	74.5	319.6	634.2	51	15.1	Z	3	6	12
Paulding	39	43.6	1 628	46.4	1 263	32.8	109.0	256.5	3	64.6	–	1	1	1
Perry	35	42.9	1 763	50.8	1 515	38.4	148.5	238.9	4	40.9	–	1	–	1
Pickaway	44	43.2	4 726	188.6	3 369	116.0	609.7	1 134.4	37	42.9	1	4	9	6
Pike	28	35.7	4 953	190.2	3 161	103.1	762.1	1 202.3	4	90.0	Z	2	–	1
Portage	298	41.6	12 984	417.8	9 633	265.1	1 109.2	2 154.2	17	76.6	Z	10	Z	5
Preble	61	37.7	3 274	109.2	2 451	68.7	352.4	698.0	4	91.5	–	2	–	1
Putnam	42	52.4	4 005	129.9	3 433	98.8	345.5	1 237.1	5	61.6	Z	3	–	1
Richland	220	42.3	15 212	567.1	11 809	412.8	1 199.6	2 444.7	16	47.2	Z	13	–	3
Ross	48	29.2	(6)	D	D	D	D	D	42	91.9	Z	7	32	8
Sandusky	124	40.3	10 156	307.1	8 377	226.9	1 243.5	2 533.6	20	17.7	Z	6	8	5
Scioto	63	25.4	1 942	55.0	1 426	34.7	112.5	290.8	12	27.3	Z	11	–	2
Seneca	101	44.6	6 882	231.2	5 485	167.1	662.2	1 124.6	5	48.0	Z	2	1	2
Shelby	136	52.9	13 278	470.5	10 060	304.3	1 464.3	5 129.2	13	80.4	Z	4	1	8
Stark	629	39.7	39 352	1 324.1	30 632	910.4	4 062.7	8 222.5	45	88.9	1	31	4	8
Summit	1 091	37.3	42 312	1 506.1	29 183	905.5	3 596.2	6 846.7	83	28.9	1	57	15	14
Trumbull	282	41.1	34 101	1 622.1	27 999	1 261.5	3 663.6	11 235.6	231	1.7	Z	16	62	33
Tuscarawas	226	40.3	9 823	304.1	7 495	198.9	896.1	2 054.6	40	92.9	1	25	11	8
Union	40	45.0	8 462	370.7	6 799	288.6	2 696.9	7 467.2	6	71.6	Z	2	1	2
Van Wert	50	46.0	4 553	140.8	3 853	112.8	420.5	942.1	5	60.2	Z	3	–	1
Vinton	17	58.8	624	15.4	460	10.0	34.3	91.2	1	65.9	–	Z	Z	1
Warren	198	46.5	12 145	407.3	8 177	225.4	875.1	2 186.4	22	89.6	Z	18	Z	4
Washington	104	41.3	5 242	187.8	3 591	113.6	932.5	1 900.9	690	1.4	Z	8	1	6
Wayne	252	40.9	16 172	521.5	11 720	333.2	1 607.8	3 105.0	19	79.8	Z	9	1	4
Williams	131	51.1	9 132	267.1	6 835	170.3	849.7	1 831.5	5	94.4	Z	3	Z	1
Wood	192	51.0	13 357	512.7	10 085	358.0	1 182.6	2 602.3	12	51.6	Z	5	Z	4
Wyandot	53	47.2	4 188	112.1	3 488	83.9	281.7	573.1	7	89.1	Z	2	Z	5
OKLAHOMA	4 087	29.1	164 060	4 963.2	122 705	3 229.5	17 233.7	37 453.2	2 040	59.7	864	567	21	716
Adair	14	42.9	1 626	33.9	1 216	21.0	102.6	312.6	10	5.5	2	5	–	5
Alfalfa	NA	NA	NA	NA	NA	NA	NA	NA	4	88.6	Z	Z	–	2
Atoka	NA	NA	NA	NA	NA	NA	NA	NA	55	1.2	Z	53	–	2
Beaver	NA	NA	NA	NA	NA	NA	NA	NA	36	98.8	31	Z	Z	24
Beckham	NA	NA	NA	NA	NA	NA	NA	NA	8	82.4	3	3	Z	5
Blaine	15	20.0	622	17.1	532	13.1	55.0	98.0	6	71.6	2	1	–	4
Bryan	31	35.5	949	19.3	783	14.0	40.2	122.5	19	22.8	3	4	–	7
Caddo	NA	NA	NA	NA	NA	NA	NA	NA	52	70.2	31	10	–	37
Canadian	64	26.6	3 003	82.3	2 121	52.3	610.7	1 024.4	11	78.9	2	3	Z	8
Carter	45	20.0	2 801	105.4	2 455	90.7	228.6	1 012.6	61	94.5	2	1	–	4
Cherokee	NA	NA	NA	NA	NA	NA	NA	NA	23	3.8	3	18	–	4
Choctaw	NA	NA	NA	NA	NA	NA	NA	NA	13	10.1	Z	6	–	6
Cimarron	NA	NA	NA	NA	NA	NA	NA	NA	217	98.8	212	Z	–	52
Cleveland	151	23.2	4 287	116.4	3 161	69.0	426.6	902.3	26	33.8	1	19	–	7
Coal	NA	NA	NA	NA	NA	NA	NA	NA	7	10.1	1	4	–	3
Comanche	51	25.5	3 325	119.8	2 914	102.5	509.6	900.8	21	14.4	1	17	–	10
Cotton	NA	NA	NA	NA	NA	NA	NA	NA	4	60.4	Z	1	–	2
Craig	18	33.3	978	21.7	828	14.1	73.7	128.1	3	22.3	–	Z	–	3
Creek	96	32.3	4 032	116.4	3 123	85.2	465.9	703.3	37	85.3	Z	5	Z	3
Custer	23	26.1	(4)	D	D	D	D	D	13	43.1	3	8	Z	6
Delaware	30	16.7	673	12.1	567	9.5	16.7	45.2	6	46.8	Z	1	–	4
Dewey	NA	NA	NA	NA	NA	NA	NA	NA	7	85.1	3	Z	–	4
Ellis	NA	NA	NA	NA	NA	NA	NA	NA	47	99.8	42	1	Z	25
Garfield	66	21.2	2 389	62.7	2 090	42.0	232.6	506.2	8	77.3	1	2	Z	4
Garvin	26	42.3	1 153	29.4	799	19.0	128.8	615.4	12	72.9	1	2	–	4
Grady	64	23.4	2 792	70.0	2 402	55.8	412.3	747.1	20	54.0	9	4	–	11
Grant	NA	NA	NA	NA	NA	NA	NA	NA	4	65.7	Z	1	–	2
Greer	NA	NA	NA	NA	NA	NA	NA	NA	5	76.4	2	1	–	3
Harmon	NA	NA	NA	NA	NA	NA	NA	NA	16	96.0	15	Z	–	16
Harper	NA	NA	NA	NA	NA	NA	NA	NA	27	74.9	11	1	–	12

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 500 to 999 employees. [6] 2,500 to 4,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
OKLAHOMA—Con.														
Haskell	NA	NA	NA	NA	NA	NA	NA	NA	4	17.4	Z	1	–	3
Hughes	NA	NA	NA	NA	NA	NA	NA	NA	18	18.9	13	1	–	8
Jackson	12	25.0	896	16.3	799	13.1	83.2	205.1	46	18.1	44	Z	Z	43
Jefferson	NA	NA	NA	NA	NA	NA	NA	NA	9	74.6	Z	6	–	2
Johnston	10	40.0	678	17.1	562	10.8	32.5	98.4	6	31.9	2	1	Z	3
Kay	74	39.2	4 019	126.5	3 136	87.4	517.7	2 001.2	29	57.0	4	17	3	3
Kingfisher	NA	NA	NA	NA	NA	NA	NA	NA	10	75.3	4	1	Z	8
Kiowa	NA	NA	NA	NA	NA	NA	NA	NA	12	31.9	3	7	–	5
Latimer	NA	NA	NA	NA	NA	NA	NA	NA	2	11.0	Z	1	–	1
Le Flore	32	21.9	1 104	24.4	889	16.5	50.0	137.0	14	16.2	1	9	–	5
Lincoln	21	23.8	737	14.1	648	11.3	67.2	132.0	12	72.6	3	2	–	3
Logan	NA	NA	NA	NA	NA	NA	NA	NA	9	61.9	Z	2	–	3
Love	NA	NA	NA	NA	NA	NA	NA	NA	3	59.6	1	Z	–	2
McClain	19	31.6	(4)	D	D	D	D	D	6	52.5	1	2	–	3
McCurtain	25	52.0	2 758	79.6	2 539	67.4	299.6	794.7	11	13.0	Z	7	–	4
McIntosh	NA	NA	NA	NA	NA	NA	NA	NA	5	11.7	–	3	–	2
Major	NA	NA	NA	NA	NA	NA	NA	NA	12	99.2	4	5	–	6
Marshall	20	35.0	1 196	24.3	1 084	20.7	56.5	130.5	3	30.8	Z	1	–	2
Mayes	68	39.7	3 357	102.4	2 653	77.7	361.6	731.5	84	.7	–	71	–	13
Murray	NA	NA	NA	NA	NA	NA	NA	NA	16	21.6	1	12	–	3
Muskogee	87	31.0	4 780	155.3	3 927	119.7	581.0	990.3	86	7.6	5	15	16	23
Noble	13	23.1	(5)	D	D	D	D	D	6	52.3	Z	1	–	2
Nowata	NA	NA	NA	NA	NA	NA	NA	NA	7	79.2	Z	Z	–	1
Okfuskee	NA	NA	NA	NA	NA	NA	NA	NA	4	52.0	Z	Z	–	2
Oklahoma	851	30.0	39 462	1 281.5	28 036	809.3	4 630.1	9 922.1	83	31.8	3	57	Z	25
Okmulgee	35	28.6	1 120	38.5	901	27.4	202.3	295.4	10	23.3	Z	7	–	2
Osage	21	19.0	939	31.2	561	12.7	52.8	137.1	20	15.3	Z	15	Z	4
Ottawa	67	23.9	1 819	41.4	1 415	24.8	103.7	276.4	5	59.7	–	2	–	3
Pawnee	NA	NA	NA	NA	NA	NA	NA	NA	28	13.6	Z	3	–	9
Payne	60	26.7	2 584	76.5	1 928	50.0	456.1	846.8	18	77.0	1	3	–	4
Pittsburg	27	22.2	875	20.7	751	16.0	102.3	217.1	10	9.2	Z	6	1	5
Pontotoc	47	25.5	1 743	36.6	1 425	25.5	81.2	209.7	23	80.0	1	2	–	4
Pottawatomie	72	25.0	3 673	119.7	2 818	83.9	328.6	654.9	23	65.4	2	6	Z	6
Pushmataha	NA	NA	NA	NA	NA	NA	NA	NA	3	16.6	Z	1	–	2
Roger Mills	NA	NA	NA	NA	NA	NA	NA	NA	7	68.3	4	1	–	6
Rogers	122	34.4	4 562	147.4	3 316	87.9	428.3	822.9	79	1.1	Z	65	–	13
Seminole	30	23.3	1 689	33.4	1 371	24.5	84.0	252.3	33	54.4	Z	2	–	6
Sequoyah	NA	NA	NA	NA	NA	NA	NA	NA	14	3.1	2	10	–	4
Stephens	58	20.7	1 941	49.8	1 556	37.5	306.2	470.4	25	76.4	Z	4	–	4
Texas	13	38.5	(5)	D	D	D	D	D	382	100.0	360	3	1	136
Tillman	NA	NA	NA	NA	NA	NA	NA	NA	7	64.4	5	1	–	6
Tulsa	1 136	33.1	39 402	1 310.7	26 754	750.4	3 586.7	7 858.1	19	65.2	2	9	–	22
Wagoner	66	27.3	1 924	50.8	1 457	33.0	266.2	432.7	21	6.1	Z	18	–	3
Washington	48	16.7	1 327	50.0	880	20.7	106.2	183.8	6	40.1	Z	3	–	3
Washita	NA	NA	NA	NA	NA	NA	NA	NA	7	63.5	4	1	–	6
Woods	NA	NA	NA	NA	NA	NA	NA	NA	8	99.1	2	2	–	4
Woodward	30	16.7	591	21.5	384	12.8	122.0	260.5	16	95.0	5	7	–	9
OREGON	5 768	29.0	213 111	7 095.3	158 506	4 545.8	25 077.2	47 666.0	7 906	13.2	6 168	504	378	3 206
Baker	NA	NA	NA	NA	NA	NA	NA	NA	463	3.8	457	3	–	223
Benton	106	28.3	8 547	494.5	6 417	359.5	736.2	1 391.9	81	24.6	47	9	Z	30
Clackamas	589	25.5	18 655	632.2	12 495	333.6	1 723.5	3 667.4	228	22.2	78	38	40	58
Clatsop	49	24.5	858	21.2	707	14.5	50.9	142.4	127	.4	5	10	80	8
Columbia	57	31.6	3 079	128.4	2 563	98.6	523.3	1 008.5	100	3.8	28	2	55	22
Coos	104	16.3	1 937	57.6	1 627	44.8	114.1	391.2	37	11.1	24	6	2	16
Crook	21	38.1	1 506	39.4	1 324	31.2	76.1	225.3	226	6.2	223	1	–	113
Curry	32	12.5	727	26.2	618	21.1	39.9	116.2	20	8.4	4	3	–	3
Deschutes	202	21.3	4 884	129.5	3 868	84.1	328.6	698.6	181	7.2	152	11	–	72
Douglas	157	32.5	7 141	226.4	6 043	177.9	533.9	1 494.7	190	2.3	112	11	44	69
Gilliam	NA	NA	NA	NA	NA	NA	NA	NA	31	26.8	30	Z	–	16
Grant	NA	NA	NA	NA	NA	NA	NA	NA	223	1.3	221	1	–	102
Harney	NA	NA	NA	NA	NA	NA	NA	NA	549	15.3	546	1	–	251
Hood River	58	25.9	1 128	27.2	886	18.6	67.7	157.5	117	.3	61	3	Z	37
Jackson	301	23.3	7 428	201.7	5 740	141.1	512.5	1 424.0	364	2.8	224	30	–	126
Jefferson	21	38.1	1 793	52.2	1 530	41.4	77.2	351.3	164	3.7	125	3	–	58
Josephine	117	24.8	2 812	76.8	2 163	52.0	192.1	439.6	60	13.9	52	2	–	29
Klamath	72	36.1	3 013	86.1	2 500	60.7	218.3	562.6	695	16.1	670	8	2	299
Lake	NA	NA	NA	NA	NA	NA	NA	NA	686	21.1	683	1	–	300
Lane	624	27.6	19 262	589.8	14 171	383.1	1 674.9	3 881.8	350	14.6	101	47	33	70
Lincoln	59	10.2	1 060	34.4	843	17.8	73.0	255.2	42	2.3	4	7	11	4

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 1,000 to 2,499 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
OREGON—Con.														
Linn	184	39.1	9 794	347.8	7 366	235.5	933.7	1 918.8	184	24.3	98	12	57	64
Malheur	28	14.3	(4)	D	D	D	D	D	610	3.8	602	2	2	344
Marion	402	30.8	12 651	354.4	9 815	219.2	942.6	2 232.8	266	50.1	188	53	–	116
Morrow	10	40.0	741	20.9	662	17.2	85.3	183.4	348	25.5	306	2	–	145
Multnomah	1 309	30.5	47 763	1 600.4	35 901	1 085.3	4 195.5	8 715.4	198	8.3	16	178	3	25
Polk	63	33.3	2 358	63.4	1 995	49.6	146.9	357.4	68	22.1	64	4	–	37
Sherman	NA	NA	NA	NA	NA	NA	NA	NA	22	37.0	21	Z	–	15
Tillamook	31	32.3	1 227	32.5	1 052	23.9	100.2	317.8	85	2.6	6	3	Z	5
Umatilla	75	32.0	4 623	107.2	4 047	83.7	369.0	790.6	378	18.5	362	12	–	199
Union	28	28.6	1 250	37.2	1 107	29.4	86.2	273.9	203	8.4	185	4	–	84
Wallowa	NA	NA	NA	NA	NA	NA	NA	NA	168	3.5	149	1	–	71
Wasco	26	23.1	751	28.1	600	20.5	103.8	374.7	130	15.0	76	6	15	46
Washington	828	33.7	38 997	1 413.2	25 297	722.1	10 277.6	14 360.2	107	16.1	85	19	–	63
Wheeler	NA	NA	NA	NA	NA	NA	NA	NA	51	.6	51	Z	–	28
Yamhill	159	30.2	6 092	194.9	4 494	122.6	540.4	1 268.3	156	18.2	112	10	31	59
PENNSYLVANIA	17 128	37.1	826 521	27 641.3	597 544	17 045.1	86 212.1	172 193.2	9 685	8.9	16	1 546	1 682	565
Adams	127	43.3	8 209	214.1	6 599	152.2	727.7	1 401.3	27	64.6	2	10	1	7
Allegheny	1 500	30.5	55 620	2 130.8	36 517	1 178.6	5 105.8	10 576.1	904	4.7	Z	210	430	33
Armstrong	92	41.3	3 617	94.9	2 855	65.2	228.1	409.2	145	10.5	Z	5	Z	15
Beaver	221	36.7	10 311	383.1	7 825	260.1	1 413.6	3 161.9	696	2.8	Z	22	432	57
Bedford	61	23.0	3 231	76.6	2 639	54.4	203.5	472.8	12	35.2	Z	8	Z	1
Berks	587	41.1	41 614	1 510.7	30 925	954.0	3 865.1	7 729.4	85	56.3	1	34	6	8
Blair	157	38.9	8 966	251.7	6 960	165.5	865.1	1 592.4	36	30.3	Z	15	16	5
Bradford	73	34.2	6 405	191.5	5 278	143.1	629.5	1 273.7	14	93.2	Z	4	5	3
Bucks	1 236	34.6	41 592	1 518.9	26 985	816.9	3 414.8	7 593.0	95	31.3	1	46	28	7
Butler	276	38.4	14 891	533.0	10 912	340.4	1 358.1	2 990.0	31	36.2	Z	11	10	10
Cambria	153	36.6	7 403	186.3	4 970	113.4	515.0	1 349.5	23	27.0	Z	16	Z	4
Cameron	20	45.0	1 259	34.6	999	22.9	87.9	151.4	1	19.0	–	1	Z	Z
Carbon	63	50.8	3 646	76.2	3 036	58.4	177.5	311.9	37	13.1	Z	34	Z	2
Centre	159	36.5	8 546	255.4	5 941	148.7	790.1	1 409.3	34	91.8	Z	17	Z	5
Chester	629	33.1	20 791	771.1	13 708	425.6	2 343.6	4 332.2	274	10.8	1	37	6	7
Clarion	49	49.0	2 711	76.4	2 281	58.9	217.1	441.7	5	54.5	Z	2	Z	1
Clearfield	107	43.0	4 864	120.2	3 789	84.1	302.7	791.0	320	.9	Z	6	Z	3
Clinton	54	37.0	3 212	89.2	2 659	64.9	330.5	677.1	36	4.7	Z	5	29	1
Columbia	100	43.0	(5)	D	D	D	D	D	9	65.5	Z	6	1	1
Crawford	301	34.6	8 714	289.4	6 350	178.9	760.3	1 263.4	17	96.0	Z	8	4	2
Cumberland	221	37.6	13 804	444.8	9 986	288.0	1 574.0	3 307.3	55	72.4	Z	18	3	5
Dauphin	222	37.8	14 871	522.4	11 743	378.1	1 670.9	3 590.9	123	16.1	Z	35	47	34
Delaware	522	26.1	19 341	867.0	12 311	447.4	3 117.8	7 315.2	828	.3	Z	24	107	17
Elk	130	43.1	8 338	288.0	6 616	208.8	668.4	1 393.3	18	6.9	Z	6	11	2
Erie	570	44.4	32 813	1 142.3	24 172	739.3	3 128.3	5 779.3	97	10.3	Z	49	42	13
Fayette	128	31.3	3 842	106.0	2 987	69.7	318.9	656.7	43	8.7	Z	39	Z	2
Forest	NA	NA	NA	NA	NA	NA	NA	NA	1	96.0	–	Z	Z	Z
Franklin	191	38.7	12 763	379.5	9 223	226.9	975.3	2 212.0	21	58.1	1	10	1	4
Fulton	22	27.3	(6)	D	D	D	D	D	2	74.6	Z	Z	–	1
Greene	27	25.9	630	15.1	521	10.6	39.9	81.5	44	27.7	Z	Z	Z	16
Huntingdon	44	38.6	2 300	59.5	1 932	45.2	308.4	493.0	9	42.6	Z	3	Z	1
Indiana	88	30.7	3 175	98.9	2 158	61.9	152.9	344.1	240	8.0	Z	4	Z	29
Jefferson	88	47.7	4 634	132.0	3 774	94.5	368.6	680.9	7	41.9	Z	2	2	1
Juniata	57	31.6	2 443	61.1	2 150	44.6	205.0	290.6	4	81.7	Z	1	1	2
Lackawanna	306	42.2	16 052	463.0	12 611	318.7	1 266.3	2 562.7	52	7.1	Z	45	4	2
Lancaster	918	40.3	52 908	1 752.0	40 403	1 178.5	5 658.5	10 585.4	166	30.1	2	71	4	16
Lawrence	169	34.9	5 092	156.4	3 740	96.4	455.5	1 076.6	154	5.9	Z	9	5	3
Lebanon	199	45.2	9 376	254.3	7 154	173.3	681.3	1 710.3	24	93.8	Z	2	2	4
Lehigh	504	36.7	23 277	877.2	15 685	485.2	5 212.2	7 690.1	49	67.7	Z	36	8	3
Luzerne	408	41.9	24 362	700.8	18 860	487.2	2 350.2	4 501.1	105	12.0	Z	26	1	32
Lycoming	208	45.7	12 982	370.2	9 691	229.9	1 189.4	2 460.4	16	44.5	1	11	Z	2
McKean	67	46.3	5 346	158.7	4 266	116.9	455.9	875.7	15	72.4	–	7	7	1
Mercer	198	38.9	10 457	326.8	7 788	220.9	990.4	2 440.8	85	7.1	Z	13	67	19
Mifflin	72	34.7	5 373	163.1	4 406	124.3	491.0	922.7	15	17.0	Z	4	9	2
Monroe	113	28.3	4 744	171.1	2 994	74.1	547.9	812.9	15	76.5	Z	8	Z	1
Montgomery	1 398	35.9	67 234	2 649.5	43 314	1 434.6	11 564.6	20 666.6	142	45.4	Z	69	10	41
Montour	22	36.4	1 530	65.8	1 168	42.2	517.8	820.4	21	7.1	Z	2	Z	11
Northampton	353	43.3	18 244	546.1	13 613	355.4	1 496.7	2 638.4	472	8.8	Z	10	193	12
Northumberland	115	53.9	7 812	217.3	5 854	155.0	826.9	1 526.7	31	34.9	Z	11	9	3
Perry	32	25.0	845	19.1	689	12.4	39.9	82.7	4	92.1	Z	1	Z	1
Philadelphia	1 342	32.0	47 928	1 582.4	33 884	926.0	3 997.5	11 098.1	575	Z	–	359	33	16
Pike	NA	NA	NA	NA	NA	NA	NA	NA	4	97.1	–	2	–	Z
Potter	29	51.7	1 166	28.8	982	21.1	62.3	117.6	4	92.2	Z	1	Z	Z

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 5,000 to 9,999 employees. [6] 2,500 to 4,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	By selected major use– (mil. gal.) Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
PENNSYLVANIA—Con.														
Schuylkill	226	50.4	14 370	393.7	11 600	272.8	1 341.3	2 625.1	55	51.8	Z	29	1	9
Snyder	65	52.3	4 413	111.3	3 575	79.5	181.6	414.3	299	1.4	Z	2	Z	3
Somerset	118	38.1	4 828	117.1	3 764	79.4	301.6	644.1	40	23.0	Z	33	Z	2
Sullivan	NA	NA	NA	NA	NA	NA	NA	NA	3	18.5	Z	3	–	1
Susquehanna	51	25.5	1 160	22.1	939	14.4	54.2	132.6	6	63.5	Z	2	Z	1
Tioga	46	39.1	2 930	69.4	2 501	56.0	216.3	415.9	6	62.0	Z	2	1	1
Union	36	44.4	3 394	86.0	2 673	60.6	228.4	434.5	7	40.3	Z	4	1	1
Venango	89	37.1	3 950	137.8	2 767	83.4	383.7	1 084.6	13	62.3	Z	6	3	3
Warren	81	42.0	4 670	147.8	3 256	88.8	395.7	1 116.3	72	18.9	Z	5	7	3
Washington	278	38.8	11 725	402.3	7 983	245.4	1 137.6	2 788.4	452	2.6	Z	8	11	8
Wayne	68	16.2	1 039	24.5	821	16.9	71.0	182.3	5	80.7	Z	2	Z	1
Westmoreland	597	33.7	24 404	800.2	16 883	493.5	1 786.6	4 000.2	120	5.8	Z	41	71	32
Wyoming	35	34.3	([4])	D	D	D	D	D	18	14.6	Z	1	12	2
York	661	47.5	45 754	1 557.5	33 469	975.5	4 627.8	8 156.9	2 350	.7	1	32	35	32
RHODE ISLAND	2 535	27.8	75 599	2 288.6	52 889	1 279.8	5 484.2	10 482.0	411	6.7	2	114	1	24
Bristol	100	34.0	2 634	73.0	1 966	47.2	157.0	267.0	5	24.6	Z	5	Z	1
Kent	411	25.8	12 933	417.1	8 912	228.0	1 060.9	2 115.3	7	48.7	Z	2	Z	3
Newport	98	15.3	2 304	100.0	988	25.7	174.9	296.1	11	11.5	Z	9	Z	2
Providence	1 774	28.5	49 910	1 440.9	35 529	831.8	3 413.8	6 435.0	366	2.3	Z	89	Z	14
Washington	152	28.3	7 818	257.6	5 494	147.1	677.6	1 368.6	21	60.6	1	9	Z	5
SOUTH CAROLINA	4 450	42.1	346 142	10 369.4	267 548	6 856.0	33 657.8	70 797.0	6 203	5.2	52	543	700	321
Abbeville	36	72.2	3 978	101.4	3 437	78.0	237.3	607.5	4	25.0	–	2	Z	1
Aiken	99	40.4	19 999	896.7	10 215	409.7	3 405.4	4 256.3	303	6.9	Z	18	119	25
Allendale	14	64.3	1 440	33.6	1 199	24.1	135.1	310.3	11	86.2	6	1	4	6
Anderson	240	42.9	20 589	611.4	16 627	431.7	1 739.5	4 180.1	82	.8	Z	21	1	5
Bamberg	24	45.8	1 175	28.5	879	16.6	100.4	180.4	3	96.6	1	1	–	1
Barnwell	22	63.6	3 376	75.9	2 858	51.0	203.7	450.3	4	91.2	Z	2	–	1
Beaufort	94	13.8	1 087	28.7	781	16.5	75.8	137.5	30	70.7	5	23	1	9
Berkeley	75	44.0	6 396	210.6	4 561	132.6	1 232.6	2 811.2	491	1.5	Z	10	9	13
Calhoun	18	33.3	809	22.9	637	15.4	20.5	97.6	125	4.7	18	1	106	34
Charleston	261	25.7	10 530	366.3	7 467	230.7	1 466.1	3 039.4	148	7.5	1	106	37	25
Cherokee	76	67.1	8 195	231.4	6 800	174.9	911.4	1 767.1	9	8.0	Z	5	3	2
Chester	54	55.6	5 260	145.8	4 503	111.5	441.2	964.1	4	33.9	–	2	Z	1
Chesterfield	58	62.1	7 450	196.4	5 702	134.8	614.1	1 408.2	10	31.7	Z	5	Z	2
Clarendon	24	58.3	1 396	26.1	1 245	20.3	74.5	122.4	4	94.1	1	1	–	2
Colleton	26	57.7	1 779	46.9	1 470	33.5	86.9	196.0	8	50.3	Z	2	–	1
Darlington	63	54.0	6 002	185.9	5 088	146.4	749.2	2 054.6	38	35.3	Z	7	21	5
Dillon	25	64.0	3 613	62.9	3 308	49.9	155.4	394.3	5	99.8	Z	4	Z	1
Dorchester	79	41.8	3 669	110.6	2 881	73.1	388.2	738.3	7	91.5	–	1	3	1
Edgefield	28	39.3	2 041	44.6	1 676	32.0	123.0	333.3	3	.6	Z	3	–	1
Fairfield	20	55.0	2 239	79.8	1 966	63.0	453.3	1 001.9	861	.1	–	2	–	7
Florence	139	44.6	11 011	328.2	7 889	200.3	973.0	2 114.2	50	36.9	Z	12	33	8
Georgetown	78	39.7	4 974	141.6	4 094	106.6	431.7	1 057.6	46	15.7	1	6	32	7
Greenville	672	40.5	45 372	1 431.8	34 483	916.5	4 595.2	9 507.5	177	1.9	Z	50	123	27
Greenwood	93	44.1	11 612	339.6	9 767	250.4	944.9	1 875.1	13	11.1	Z	11	Z	2
Hampton	20	40.0	1 307	44.2	1 055	30.4	97.5	196.7	4	99.8	–	2	1	1
Horry	160	19.4	6 687	173.4	4 559	98.9	565.2	927.8	94	13.3	7	30	Z	13
Jasper	NA	NA	NA	NA	NA	NA	NA	NA	2	100.0	Z	1	–	1
Kershaw	62	46.8	4 916	151.8	3 894	113.0	979.9	1 637.9	19	15.3	Z	10	9	4
Lancaster	54	48.1	5 341	145.5	4 627	112.8	510.4	1 561.6	19	5.1	–	8	10	3
Laurens	72	40.3	6 447	171.7	5 483	128.0	405.3	834.1	7	20.9	–	5	Z	1
Lee	9	77.8	641	18.3	503	15.2	60.5	172.4	3	99.7	–	1	2	1
Lexington	225	30.2	9 964	324.2	7 032	186.7	1 035.4	2 080.7	189	8.3	1	12	39	12
McCormick	NA	NA	NA	NA	NA	NA	NA	NA	3	22.4	Z	2	–	2
Marion	32	59.4	5 007	112.5	4 046	83.1	389.0	727.0	12	99.8	Z	5	–	1
Marlboro	22	63.6	2 935	82.1	2 362	58.9	318.9	755.2	10	36.3	Z	3	6	2
Newberry	49	59.2	5 553	130.5	4 983	106.5	304.0	735.4	6	18.4	–	5	Z	1
Oconee	80	46.3	7 487	202.8	5 877	137.7	637.5	1 136.0	2 534	Z	Z	9	Z	22
Orangeburg	90	48.9	9 370	222.9	7 235	141.6	644.2	1 700.3	25	52.4	7	9	6	10
Pickens	134	41.0	11 790	305.7	9 973	226.9	616.8	1 916.3	18	13.7	Z	11	1	3
Richland	235	40.0	13 558	460.8	9 617	275.7	1 464.1	3 220.7	495	1.1	Z	46	29	21
Saluda	14	71.4	2 565	46.9	2 287	35.7	144.8	375.2	4	82.4	–	Z	2	1
Spartanburg	481	43.0	35 102	1 108.6	27 391	746.0	3 172.2	7 534.6	66	6.8	–	58	3	10
Sumter	84	59.5	12 655	303.0	10 941	227.7	976.8	2 050.4	32	99.4	1	16	12	6
Union	43	60.5	5 355	129.2	4 341	91.3	341.6	679.6	7	2.6	–	5	2	1
Williamsburg	34	55.9	3 392	86.8	2 828	63.2	246.6	533.4	5	99.6	–	1	2	1
York	222	40.5	11 731	391.8	8 688	250.3	1 163.0	2 325.7	216	19.8	Z	7	83	16

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 2,500 to 4,999 employees.

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	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
SOUTH DAKOTA	888	32.9	46 539	1 162.6	33 230	707.4	3 880.9	12 305.5	460	40.7	269	88	5	249
Aurora	NA	NA	NA	NA	NA	NA	NA	NA	1	44.9	Z	Z	–	1
Beadle	21	33.3	1 134	25.7	921	19.6	66.3	263.5	9	56.3	4	3	1	5
Bennett	NA	NA	NA	NA	NA	NA	NA	NA	7	95.6	6	Z	–	6
Bon Homme	NA	NA	NA	NA	NA	NA	NA	NA	4	45.1	3	1	–	3
Brookings	31	48.4	3 449	92.4	2 459	64.2	469.7	902.0	7	91.7	2	4	Z	3
Brown	38	39.5	2 492	61.0	1 905	42.8	230.6	397.5	8	52.6	2	3	–	4
Brule	NA	NA	NA	NA	NA	NA	NA	NA	4	37.6	1	1	–	2
Buffalo	NA	NA	NA	NA	NA	NA	NA	NA	3	27.1	3	–	–	3
Butte	NA	NA	NA	NA	NA	NA	NA	NA	89	3.3	86	1	Z	36
Campbell	NA	NA	NA	NA	NA	NA	NA	NA	3	50.7	2	Z	–	2
Charles Mix	NA	NA	NA	NA	NA	NA	NA	NA	11	25.3	7	2	–	7
Clark	NA	NA	NA	NA	NA	NA	NA	NA	3	81.1	1	1	Z	2
Clay	NA	NA	NA	NA	NA	NA	NA	NA	5	89.4	3	2	Z	3
Codington	63	42.9	4 115	102.6	3 138	66.4	201.2	395.8	11	62.8	1	3	1	4
Corson	NA	NA	NA	NA	NA	NA	NA	NA	2	35.0	1	Z	–	2
Custer	NA	NA	NA	NA	NA	NA	NA	NA	4	27.1	2	Z	Z	2
Davison	36	36.1	1 719	47.2	1 329	31.1	196.2	365.9	4	30.3	Z	3	Z	1
Day	NA	NA	NA	NA	NA	NA	NA	NA	1	68.3	Z	Z	–	1
Deuel	NA	NA	NA	NA	NA	NA	NA	NA	1	68.1	Z	Z	–	1
Dewey	NA	NA	NA	NA	NA	NA	NA	NA	2	30.7	Z	1	–	1
Douglas	NA	NA	NA	NA	NA	NA	NA	NA	2	77.0	1	Z	–	2
Edmunds	NA	NA	NA	NA	NA	NA	NA	NA	2	72.4	Z	Z	Z	1
Fall River	NA	NA	NA	NA	NA	NA	NA	NA	38	3.9	35	1	–	24
Faulk	NA	NA	NA	NA	NA	NA	NA	NA	1	41.7	Z	Z	–	1
Grant	6	66.7	(4)	D	D	D	D	D	6	53.8	1	1	–	2
Gregory	NA	NA	NA	NA	NA	NA	NA	NA	2	37.9	1	Z	–	2
Haakon	NA	NA	NA	NA	NA	NA	NA	NA	2	51.4	Z	Z	–	1
Hamlin	NA	NA	NA	NA	NA	NA	NA	NA	3	90.7	2	Z	–	2
Hand	NA	NA	NA	NA	NA	NA	NA	NA	2	60.2	Z	Z	–	1
Hanson	NA	NA	NA	NA	NA	NA	NA	NA	1	27.3	Z	–	–	1
Harding	NA	NA	NA	NA	NA	NA	NA	NA	1	39.0	Z	Z	Z	1
Hughes	NA	NA	NA	NA	NA	NA	NA	NA	22	23.9	18	3	–	16
Hutchinson	NA	NA	NA	NA	NA	NA	NA	NA	3	68.4	1	Z	–	2
Hyde	NA	NA	NA	NA	NA	NA	NA	NA	1	50.0	Z	Z	–	1
Jackson	NA	NA	NA	NA	NA	NA	NA	NA	2	26.3	1	Z	–	2
Jerauld	NA	NA	NA	NA	NA	NA	NA	NA	1	61.7	Z	Z	–	1
Jones	NA	NA	NA	NA	NA	NA	NA	NA	1	21.2	Z	Z	–	1
Kingsbury	NA	NA	NA	NA	NA	NA	NA	NA	3	87.0	Z	2	–	1
Lake	23	52.2	950	19.7	767	12.9	74.4	167.2	3	40.1	Z	1	–	2
Lawrence	30	16.7	502	13.1	424	10.1	31.9	88.2	15	29.7	1	4	Z	4
Lincoln	30	26.7	(4)	D	D	D	D	D	3	81.4	1	2	–	1
Lyman	NA	NA	NA	NA	NA	NA	NA	NA	5	12.3	4	Z	–	4
McCook	NA	NA	NA	NA	NA	NA	NA	NA	2	68.7	Z	1	–	1
McPherson	NA	NA	NA	NA	NA	NA	NA	NA	2	38.1	Z	Z	–	1
Marshall	NA	NA	NA	NA	NA	NA	NA	NA	2	65.6	Z	1	–	1
Meade	NA	NA	NA	NA	NA	NA	NA	NA	5	54.6	2	1	Z	3
Mellette	NA	NA	NA	NA	NA	NA	NA	NA	1	35.8	Z	Z	–	1
Miner	NA	NA	NA	NA	NA	NA	NA	NA	1	50.7	Z	Z	–	1
Minnehaha	168	34.5	(5)	D	D	D	D	D	25	60.2	1	20	1	6
Moody	NA	NA	NA	NA	NA	NA	NA	NA	2	71.3	Z	1	–	1
Pennington	134	28.4	4 263	100.8	3 214	62.4	318.5	867.3	30	56.1	4	12	1	9
Perkins	NA	NA	NA	NA	NA	NA	NA	NA	2	45.3	Z	Z	–	1
Potter	NA	NA	NA	NA	NA	NA	NA	NA	4	33.2	3	Z	–	3
Roberts	NA	NA	NA	NA	NA	NA	NA	NA	2	74.1	Z	1	Z	1
Sanborn	NA	NA	NA	NA	NA	NA	NA	NA	1	54.4	Z	Z	–	1
Shannon	NA	NA	NA	NA	NA	NA	NA	NA	1	82.6	Z	Z	–	1
Spink	NA	NA	NA	NA	NA	NA	NA	NA	8	90.5	7	Z	–	7
Stanley	NA	NA	NA	NA	NA	NA	NA	NA	3	24.8	Z	Z	–	1
Sully	NA	NA	NA	NA	NA	NA	NA	NA	13	19.8	12	Z	–	10
Todd	NA	NA	NA	NA	NA	NA	NA	NA	8	93.3	7	Z	–	6
Tripp	NA	NA	NA	NA	NA	NA	NA	NA	5	55.1	2	1	–	3
Turner	NA	NA	NA	NA	NA	NA	NA	NA	15	94.6	13	1	–	12
Union	26	57.7	(6)	D	D	D	D	D	16	94.8	14	1	Z	12
Walworth	NA	NA	NA	NA	NA	NA	NA	NA	6	9.4	2	4	–	2
Yankton	30	46.7	2 517	62.3	1 961	42.9	166.9	452.2	11	40.9	5	5	Z	5
Ziebach	NA	NA	NA	NA	NA	NA	NA	NA	1	43.2	Z	–	–	1

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees. [5] 10,000 to 24,999 employees. [6] 5,000 to 9,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
TENNESSEE	7 407	39.2	483 823	14 351.9	375 121	9 468.8	44 355.2	98 503.1	10 076	4.3	24	777	863	233
Anderson	107	39.3	8 559	328.0	4 679	135.2	994.5	1 336.2	508	.3	Z	17	2	2
Bedford	64	31.3	5 582	146.6	4 694	112.0	518.1	1 302.7	7	18.5	Z	6	–	1
Benton	17	58.8	1 150	23.7	988	17.9	51.7	97.5	4	43.1	Z	1	–	2
Bledsoe	NA	NA	NA	NA	NA	NA	NA	NA	2	45.5	Z	1	–	1
Blount	126	29.4	7 027	251.9	5 466	175.4	1 306.8	2 806.9	14	14.3	Z	12	–	2
Bradley	142	40.1	12 974	363.8	10 883	258.9	1 616.6	2 931.7	19	21.8	Z	12	5	2
Campbell	53	35.8	1 945	49.1	1 529	31.2	112.1	243.7	4	30.8	Z	4	–	Z
Cannon	NA	NA	NA	NA	NA	NA	NA	NA	1	39.5	Z	1	–	Z
Carroll	50	38.0	3 103	64.1	2 585	47.9	181.0	456.7	5	99.4	Z	3	1	1
Carter	48	33.3	1 960	50.7	1 556	35.1	138.9	273.4	20	75.5	Z	7	12	2
Cheatham	42	23.8	3 060	81.9	2 757	62.2	300.7	579.7	2	16.5	Z	2	Z	Z
Chester	24	37.5	853	18.7	716	12.6	29.0	76.0	2	98.7	Z	1	–	Z
Claiborne	34	55.9	3 584	67.1	3 010	44.9	160.4	317.1	3	37.9	Z	2	–	Z
Clay	8	62.5	771	13.7	641	8.7	46.9	85.7	2	32.1	Z	1	–	1
Cocke	40	40.0	2 627	64.6	2 058	45.8	161.7	382.8	7	15.3	2	4	Z	3
Coffee	67	59.7	5 595	178.4	4 376	115.5	476.4	1 082.9	6	11.5	Z	5	Z	1
Crockett	16	43.8	1 241	26.6	1 036	13.1	61.2	160.8	3	100.0	Z	2	1	Z
Cumberland	47	40.4	2 437	58.9	1 994	41.2	228.4	442.9	8	4.3	1	6	–	2
Davidson	752	34.7	31 716	1 100.0	23 000	688.6	3 419.6	6 721.8	148	1.9	1	107	38	15
Decatur	35	28.6	1 113	21.8	922	16.0	66.8	137.0	7	49.1	–	1	–	6
DeKalb	28	53.6	2 740	65.7	2 062	38.8	140.1	333.9	2	17.6	Z	1	–	Z
Dickson	51	41.2	3 574	102.5	3 130	79.0	348.9	710.3	4	21.8	Z	4	–	Z
Dyer	42	42.9	6 404	183.5	5 059	120.3	494.7	1 121.4	7	100.0	Z	6	1	1
Fayette	39	38.5	1 193	33.3	918	23.4	166.4	271.6	6	99.2	Z	1	3	1
Fentress	31	38.7	1 471	22.5	1 299	18.3	62.1	141.4	20	4.2	–	1	–	2
Franklin	43	32.6	1 872	53.1	1 539	37.8	164.8	438.2	5	45.4	Z	4	–	1
Gibson	90	42.2	7 607	200.7	5 856	138.7	530.0	1 085.6	8	98.3	1	6	–	2
Giles	48	43.8	3 515	104.6	3 001	75.1	370.5	679.7	5	14.9	Z	4	Z	1
Grainger	35	45.7	1 321	30.6	1 099	21.1	71.2	180.9	2	87.3	Z	Z	–	1
Greene	107	45.8	7 990	198.0	6 430	128.2	465.7	1 296.7	10	8.4	Z	8	1	2
Grundy	NA	NA	NA	NA	NA	NA	NA	NA	2	24.7	Z	1	–	Z
Hamblen	129	53.5	14 586	369.6	12 020	265.8	956.0	2 039.2	8	11.2	Z	8	–	1
Hamilton	515	40.4	32 559	991.4	23 344	590.1	2 498.2	5 493.2	1 533	.8	1	51	13	7
Hancock	NA	NA	NA	NA	NA	NA	NA	NA	1	86.2	–	Z	–	Z
Hardeman	37	37.8	1 957	51.4	1 637	37.8	98.7	274.7	3	99.0	Z	2	–	1
Hardin	52	42.3	2 628	70.0	2 185	53.5	201.7	530.2	29	8.6	1	2	25	4
Hawkins	50	48.0	6 534	219.4	5 342	158.6	557.0	1 040.9	553	.5	Z	4	1	1
Haywood	23	52.2	2 477	64.1	2 111	49.1	159.4	425.5	3	99.7	Z	2	Z	Z
Henderson	47	34.0	4 302	101.6	3 485	77.7	253.7	710.9	3	17.5	–	3	Z	Z
Henry	66	31.8	3 483	79.7	2 775	52.2	202.3	506.1	4	95.3	Z	3	–	1
Hickman	31	29.0	1 017	22.2	800	17.9	74.0	139.5	3	42.3	Z	2	–	1
Houston	NA	NA	NA	NA	NA	NA	NA	NA	1	46.6	–	1	–	Z
Humphreys	29	48.3	1 976	75.4	1 440	51.0	500.3	854.1	1 221	.1	Z	2	67	8
Jackson	8	62.5	681	11.8	585	8.0	68.3	104.9	1	27.3	–	Z	Z	Z
Jefferson	56	44.6	2 880	59.7	2 352	41.0	205.2	434.0	7	85.2	Z	3	1	2
Johnson	19	47.4	1 392	29.2	1 261	26.0	95.1	206.4	3	46.0	Z	2	–	1
Knox	493	31.2	20 782	550.3	15 926	347.0	1 486.5	3 245.5	63	7.2	1	58	Z	7
Lake	NA	NA	NA	NA	NA	NA	NA	NA	2	100.0	1	1	–	1
Lauderdale	22	63.6	3 525	74.4	3 226	60.0	194.6	353.8	5	98.6	Z	4	Z	1
Lawrence	56	39.3	5 501	145.8	4 943	122.9	405.1	1 063.8	6	53.5	Z	4	–	2
Lewis	22	13.6	600	16.4	486	12.5	47.0	101.1	2	97.5	–	1	Z	Z
Lincoln	43	34.9	2 381	62.9	1 834	42.1	200.6	455.0	5	38.3	Z	4	–	1
Loudon	45	48.9	3 150	93.0	2 575	68.8	458.5	806.7	17	25.2	Z	9	7	3
McMinn	74	51.4	8 791	279.4	6 641	197.4	763.6	1 572.2	85	3.0	Z	5	79	10
McNairy	48	43.8	2 632	58.2	1 990	37.9	195.7	328.1	4	95.1	Z	3	–	1
Macon	38	31.6	1 403	25.9	1 203	19.5	30.6	80.1	2	86.4	Z	1	–	Z
Madison	138	47.8	12 429	382.5	9 959	260.5	1 512.6	3 473.4	19	99.7	1	12	4	3
Marion	29	44.8	1 726	38.5	1 594	31.4	92.0	212.8	3	46.2	Z	2	–	Z
Marshall	45	57.8	7 552	169.4	6 365	124.9	633.0	1 349.1	3	19.6	Z	3	–	1
Maury	75	41.3	11 361	532.6	9 315	417.1	1 995.3	4 431.7	19	32.7	Z	11	6	3
Meigs	13	46.2	764	14.2	702	12.4	31.7	125.1	1	72.1	Z	1	–	Z
Monroe	84	41.7	5 488	144.8	4 402	97.8	373.6	834.9	5	26.7	Z	4	–	1
Montgomery	83	38.6	6 519	182.7	5 474	133.9	715.7	1 271.6	25	.9	Z	22	3	2
Moore	NA	NA	NA	NA	NA	NA	NA	NA	1	75.6	–	Z	Z	Z
Morgan	24	25.0	925	20.1	804	13.2	45.2	98.8	1	34.1	–	1	–	Z
Obion	46	52.2	5 656	195.5	4 804	157.4	665.7	1 140.0	6	100.0	1	5	Z	1

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use–(mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
TENNESSEE—Con.														
Overton	29	41.4	1 249	23.7	1 065	17.7	48.6	126.4	1	5.0	Z	1	–	Z
Perry	15	33.3	1 689	34.9	1 518	27.8	58.4	169.8	1	33.0	–	1	–	Z
Pickett	NA	NA	NA	NA	NA	NA	NA	NA	1	13.3	–	1	–	Z
Polk	22	50.0	1 061	18.3	875	13.0	34.5	72.1	33	3.5	Z	1	32	4
Putnam	141	41.1	9 927	232.3	7 927	156.4	736.4	1 757.7	11	4.9	Z	10	Z	1
Rhea	40	35.0	4 674	105.6	4 082	85.8	233.8	434.7	4	32.0	Z	3	–	1
Roane	42	40.5	2 075	47.1	1 628	30.4	143.4	256.0	1 254	.2	–	6	1	1
Robertson	74	50.0	5 019	127.2	3 948	84.6	296.3	730.9	6	23.3	Z	4	–	1
Rutherford	191	38.7	19 096	754.7	14 819	516.2	2 481.1	8 851.9	25	7.8	1	22	–	3
Scott	40	27.5	2 915	56.5	2 483	39.1	143.1	330.0	2	9.8	–	2	–	Z
Sequatchie	11	36.4	948	18.3	858	14.6	77.8	223.8	1	32.4	Z	1	–	Z
Sevier	103	22.3	2 611	64.5	2 046	43.3	141.6	272.4	10	27.6	Z	7	Z	1
Shelby	902	39.4	44 145	1 476.9	29 794	815.7	4 800.5	11 758.7	638	32.6	3	163	39	23
Smith	23	47.8	1 710	44.9	1 361	33.3	149.3	396.6	3	18.6	Z	2	–	Z
Stewart	NA	NA	NA	NA	NA	NA	NA	NA	2 197	Z	–	1	–	Z
Sullivan	182	32.4	18 602	816.7	12 238	430.1	2 364.7	4 245.2	544	.2	Z	24	519	59
Sumner	205	37.6	11 852	333.8	9 157	218.5	803.8	1 932.0	792	Z	Z	19	–	2
Tipton	39	53.8	3 327	88.6	2 651	62.6	326.2	604.8	6	99.5	Z	4	Z	1
Trousdale	12	50.0	693	14.4	552	10.0	32.3	63.8	1	7.6	Z	1	–	Z
Unicoi	22	45.5	1 518	36.3	1 330	27.3	129.7	202.5	2	99.6	–	2	–	Z
Union	20	55.0	1 099	23.6	870	17.3	42.2	141.1	3	93.8	–	1	–	Z
Van Buren	NA	NA	NA	NA	NA	NA	NA	NA	1	6.3	Z	Z	–	Z
Warren	73	47.9	6 610	192.5	5 542	150.6	523.3	1 133.3	6	3.8	Z	5	–	1
Washington	151	45.7	10 370	257.6	8 085	174.8	546.1	1 300.9	22	29.1	1	19	–	3
Wayne	28	39.3	1 487	23.0	1 224	17.8	50.7	99.6	5	52.3	Z	1	–	3
Weakley	45	53.3	3 287	74.9	2 781	54.6	213.7	574.0	4	100.0	Z	3	–	1
White	49	38.8	3 442	81.0	2 963	63.3	254.5	457.3	3	5.9	–	3	–	Z
Williamson	115	32.2	4 723	130.7	3 581	73.9	373.7	846.6	5	57.6	2	Z	–	3
Wilson	114	35.1	5 533	161.1	3 989	104.7	360.6	1 122.9	10	12.4	Z	9	–	1
TEXAS	21 808	31.1	959 665	32 760.8	663 929	18 163.1	129 390.0	297 657.0	29 608	29.7	9 451	3 294	2 296	11 124
Anderson	41	24.4	1 419	36.1	1 138	24.6	123.8	287.4	13	63.6	Z	8	–	6
Andrews	NA	NA	NA	NA	NA	NA	NA	NA	49	99.9	17	3	–	23
Angelina	88	34.1	7 536	212.8	6 405	168.3	511.3	1 363.6	41	57.5	Z	10	31	11
Aransas	NA	NA	NA	NA	NA	NA	NA	NA	1	98.1	–	Z	Z	1
Archer	NA	NA	NA	NA	NA	NA	NA	NA	24	8.8	–	12	–	10
Armstrong	NA	NA	NA	NA	NA	NA	NA	NA	11	98.7	9	Z	–	10
Atascosa	NA	NA	NA	NA	NA	NA	NA	NA	56	96.9	40	4	–	51
Austin	32	46.9	947	26.8	728	18.1	68.4	153.6	13	88.0	8	2	Z	9
Bailey	NA	NA	NA	NA	NA	NA	NA	NA	173	99.8	170	1	Z	172
Bandera	NA	NA	NA	NA	NA	NA	NA	NA	2	91.1	Z	1	Z	2
Bastrop	52	23.1	801	18.5	570	11.8	38.6	78.3	12	64.0	1	6	Z	7
Baylor	NA	NA	NA	NA	NA	NA	NA	NA	4	43.9	Z	2	–	2
Bee	NA	NA	NA	NA	NA	NA	NA	NA	4	71.9	1	1	–	4
Bell	135	34.1	7 365	224.5	5 778	158.2	696.9	1 351.3	48	3.9	1	45	1	12
Bexar	1 101	26.0	35 919	986.5	25 245	539.7	2 716.4	5 565.5	838	30.7	21	209	16	122
Blanco	NA	NA	NA	NA	NA	NA	NA	NA	2	76.9	Z	Z	–	2
Borden	NA	NA	NA	NA	NA	NA	NA	NA	6	91.9	1	–	Z	2
Bosque	18	44.4	548	13.4	406	7.8	34.5	74.9	6	59.8	2	2	1	4
Bowie	75	33.3	4 056	128.0	3 017	84.7	359.1	975.5	58	5.0	5	48	1	12
Brazoria	199	30.2	14 149	682.9	10 011	425.1	2 579.3	10 761.0	1 095	2.7	82	20	983	713
Brazos	101	24.8	3 126	79.6	2 203	44.3	175.6	382.2	38	91.0	8	24	Z	18
Brewster	NA	NA	NA	NA	NA	NA	NA	NA	4	88.2	Z	1	–	3
Briscoe	NA	NA	NA	NA	NA	NA	NA	NA	27	94.5	25	2	–	25
Brooks	NA	NA	NA	NA	NA	NA	NA	NA	2	81.1	Z	1	–	2
Brown	39	33.3	3 055	98.7	2 393	73.3	489.4	848.5	19	10.5	10	6	Z	14
Burleson	NA	NA	NA	NA	NA	NA	NA	NA	17	94.1	8	2	Z	10
Burnet	42	11.9	714	16.7	599	11.9	41.8	72.5	134	1.5	Z	3	Z	4
Caldwell	18	38.9	556	9.7	375	6.2	19.6	39.2	7	56.9	1	3	–	3
Calhoun	20	35.0	3 815	208.8	2 274	132.7	520.8	2 689.3	241	1.2	48	2	43	35
Callahan	NA	NA	NA	NA	NA	NA	NA	NA	4	48.1	1	1	–	3
Cameron	235	28.5	12 694	242.4	10 505	169.6	775.2	1 732.8	457	.3	406	46	–	275
Camp	NA	NA	NA	NA	NA	NA	NA	NA	3	68.0	Z	2	–	2
Carson	NA	NA	NA	NA	NA	NA	NA	NA	72	99.5	62	2	5	65
Cass	26	26.9	546	11.4	451	8.0	35.1	63.9	80	4.7	Z	1	76	30
Castro	NA	NA	NA	NA	NA	NA	NA	NA	401	99.6	388	3	2	398

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
TEXAS—Con.														
Chambers	15	46.7	1 499	83.5	751	32.2	910.1	1 989.7	1 228	.7	103	2	4	62
Cherokee	91	41.8	3 178	67.0	2 681	49.4	167.0	327.4	347	2.0	Z	6	–	8
Childress	NA	NA	NA	NA	NA	NA	NA	NA	7	94.3	6	–	–	7
Clay	NA	NA	NA	NA	NA	NA	NA	NA	17	15.7	1	13	–	3
Cochran	NA	NA	NA	NA	NA	NA	NA	NA	59	99.8	52	1	–	54
Coke	NA	NA	NA	NA	NA	NA	NA	NA	33	4.8	1	30	–	2
Coleman	NA	NA	NA	NA	NA	NA	NA	NA	4	11.4	1	2	–	2
Collin	318	30.2	21 326	972.3	11 033	343.1	3 447.7	6 235.9	339	.8	Z	133	1	24
Collingsworth	NA	NA	NA	NA	NA	NA	NA	NA	28	97.6	27	1	–	28
Colorado	29	20.7	825	17.4	694	13.3	41.4	76.0	231	11.5	198	2	Z	100
Comal	84	33.3	4 016	101.2	3 036	62.6	344.5	558.6	28	69.5	Z	11	8	14
Comanche	NA	NA	NA	NA	NA	NA	NA	NA	46	55.9	40	2	–	42
Concho	NA	NA	NA	NA	NA	NA	NA	NA	8	67.4	4	2	–	5
Cooke	68	41.2	3 318	88.2	2 713	64.7	209.6	437.7	10	85.6	Z	4	–	5
Coryell	25	24.0	556	12.0	393	7.8	19.7	52.3	2	47.4	Z	Z	–	5
Cottle	NA	NA	NA	NA	NA	NA	NA	NA	3	85.9	2	Z	–	3
Crane	NA	NA	NA	NA	NA	NA	NA	NA	15	91.7	Z	1	–	3
Crockett	NA	NA	NA	NA	NA	NA	NA	NA	8	94.1	Z	2	Z	3
Crosby	NA	NA	NA	NA	NA	NA	NA	NA	92	97.7	88	2	–	90
Culberson	NA	NA	NA	NA	NA	NA	NA	NA	8	99.9	5	1	–	7
Dallam	NA	NA	NA	NA	NA	NA	NA	NA	329	99.8	324	2	–	328
Dallas	3 383	34.4	151 686	5 499.4	97 974	2 612.1	17 555.1	29 962.5	729	.7	1	83	1	147
Dawson	NA	NA	NA	NA	NA	NA	NA	NA	50	99.9	44	Z	Z	46
Deaf Smith	32	28.1	1 128	28.9	857	19.6	125.0	376.7	279	98.9	258	3	1	276
Delta	NA	NA	NA	NA	NA	NA	NA	NA	1	13.2	–	Z	–	Z
Denton	305	26.2	13 556	459.8	9 544	247.4	1 393.8	2 741.8	166	5.0	1	163	Z	18
DeWitt	24	33.3	721	16.4	563	11.2	39.1	87.9	5	69.5	Z	2	–	4
Dickens	NA	NA	NA	NA	NA	NA	NA	NA	6	92.9	4	Z	–	5
Dimmit	NA	NA	NA	NA	NA	NA	NA	NA	14	60.4	10	2	–	12
Donley	NA	NA	NA	NA	NA	NA	NA	NA	15	76.5	11	4	–	12
Duval	NA	NA	NA	NA	NA	NA	NA	NA	23	96.1	6	2	–	16
Eastland	25	36.0	713	17.4	566	11.3	41.8	98.3	16	60.0	12	2	Z	13
Ector	203	27.6	3 526	115.6	2 536	71.4	489.5	1 286.2	40	98.3	6	1	2	25
Edwards	NA	NA	NA	NA	NA	NA	NA	NA	1	90.4	Z	Z	–	1
Ellis	174	39.1	9 635	285.0	7 726	205.4	1 109.8	2 397.9	16	39.0	Z	11	3	7
El Paso	652	33.1	36 723	773.9	29 598	528.7	3 300.0	7 966.5	393	22.7	256	123	8	189
Erath	37	24.3	2 186	53.3	1 534	33.0	119.0	387.7	25	72.2	13	2	Z	24
Falls	NA	NA	NA	NA	NA	NA	NA	NA	9	44.4	4	2	–	7
Fannin	40	35.0	1 784	43.6	1 510	30.7	139.4	340.6	477	1.0	3	3	–	9
Fayette	39	35.9	1 056	23.2	821	14.9	57.6	148.6	24	41.4	1	2	Z	16
Fisher	NA	NA	NA	NA	NA	NA	NA	NA	4	77.8	2	–	Z	3
Floyd	NA	NA	NA	NA	NA	NA	NA	NA	226	99.9	224	Z	Z	226
Foard	NA	NA	NA	NA	NA	NA	NA	NA	5	94.6	4	Z	–	5
Fort Bend	270	33.0	11 923	452.7	7 187	202.3	1 493.4	2 704.9	217	32.4	73	45	64	81
Franklin	NA	NA	NA	NA	NA	NA	NA	NA	5	49.8	Z	2	–	3
Freestone	NA	NA	NA	NA	NA	NA	NA	NA	868	.4	Z	2	Z	15
Frio	NA	NA	NA	NA	NA	NA	NA	NA	102	98.4	96	2	–	98
Gaines	NA	NA	NA	NA	NA	NA	NA	NA	579	99.9	543	2	1	548
Galveston	160	21.9	7 279	392.5	4 817	244.5	1 761.8	9 182.6	587	.8	3	3	130	56
Garza	NA	NA	NA	NA	NA	NA	NA	NA	10	95.6	4	–	–	5
Gillespie	45	13.3	721	13.1	554	9.7	27.0	70.7	7	78.7	3	2	Z	6
Glasscock	NA	NA	NA	NA	NA	NA	NA	NA	56	99.9	52	Z	–	52
Goliad	NA	NA	NA	NA	NA	NA	NA	NA	8	15.3	Z	Z	–	8
Gonzales	19	36.8	747	16.8	586	10.9	44.5	173.6	10	33.1	1	4	Z	7
Gray	20	30.0	1 082	53.2	704	30.2	190.1	419.9	27	91.6	15	3	3	20
Grayson	140	33.6	10 223	365.4	7 871	224.9	2 188.0	3 557.3	29	55.8	1	18	6	8
Gregg	205	40.5	13 008	447.6	9 627	279.6	1 391.9	3 408.6	42	45.0	Z	19	3	8
Grimes	21	42.9	1 910	63.3	1 666	47.0	203.2	386.9	10	46.0	Z	2	Z	8
Guadalupe	90	38.9	5 592	150.4	4 115	93.9	616.7	1 320.3	10	32.9	Z	5	2	7
Hale	32	40.6	([4])	D	D	D	D	D	355	99.8	346	4	2	351
Hall	NA	NA	NA	NA	NA	NA	NA	NA	12	97.8	11	Z	–	12
Hamilton	NA	NA	NA	NA	NA	NA	NA	NA	3	39.5	1	Z	–	3
Hansford	NA	NA	NA	NA	NA	NA	NA	NA	167	98.2	160	1	–	166
Hardeman	NA	NA	NA	NA	NA	NA	NA	NA	13	65.8	6	Z	–	11
Hardin	37	35.1	1 016	30.0	808	21.1	62.7	173.1	186	8.4	164	11	Z	13
Harris	4 374	31.7	158 572	5 991.3	108 800	3 390.2	29 799.7	73 227.7	895	40.1	19	370	170	275

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 2,500 to 4,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
TEXAS—Con.														
Harrison	90	42.2	3 128	83.2	2 368	55.3	301.4	600.4	82	4.4	Z	7	63	41
Hartley	NA	NA	NA	NA	NA	NA	NA	NA	212	98.9	206	Z	–	212
Haskell	NA	NA	NA	NA	NA	NA	NA	NA	98	32.3	31	2	–	32
Hays	108	26.9	3 389	96.2	2 388	50.7	249.9	477.0	17	85.6	Z	13	Z	7
Hemphill	NA	NA	NA	NA	NA	NA	NA	NA	4	74.3	1	Z	–	4
Henderson	49	28.6	1 880	38.3	1 490	26.2	127.2	214.3	126	5.0	Z	122	–	5
Hidalgo	261	25.7	10 284	178.3	8 159	123.1	671.9	1 428.2	932	2.3	853	71	1	554
Hill	37	27.0	1 237	30.7	1 055	23.7	78.6	174.4	6	42.1	Z	4	–	3
Hockley	NA	NA	NA	NA	NA	NA	NA	NA	176	99.7	151	1	–	156
Hood	NA	NA	NA	NA	NA	NA	NA	NA	3 333	.1	4	5	Z	9
Hopkins	43	37.2	1 463	41.4	1 103	27.7	229.4	526.1	13	39.8	Z	5	–	9
Houston	24	37.5	618	13.3	530	9.8	50.9	131.8	6	52.2	Z	3	–	4
Howard	27	48.1	1 124	34.6	851	23.5	157.9	726.2	14	71.7	1	1	1	7
Hudspeth	NA	NA	NA	NA	NA	NA	NA	NA	158	100.0	157	Z	–	213
Hunt	58	44.8	7 223	256.0	5 621	180.6	669.4	1 478.9	97	1.5	Z	95	–	5
Hutchinson	30	33.3	1 718	89.1	1 346	55.0	373.7	1 949.1	147	55.6	56	66	23	61
Irion	NA	NA	NA	NA	NA	NA	NA	NA	6	66.6	3	Z	–	3
Jack	NA	NA	NA	NA	NA	NA	NA	NA	3	48.0	–	Z	–	2
Jackson	11	27.3	(4)	D	D	D	D	D	88	72.8	65	1	19	43
Jasper	29	31.0	1 911	76.6	1 524	58.9	234.3	543.2	57	84.6	Z	3	52	4
Jeff Davis	NA	NA	NA	NA	NA	NA	NA	NA	1	88.1	Z	Z	–	1
Jefferson	230	34.3	14 471	727.0	10 170	469.7	4 398.7	15 920.2	172	2.2	42	20	107	104
Jim Hogg	NA	NA	NA	NA	NA	NA	NA	NA	2	68.7	Z	1	–	1
Jim Wells	NA	NA	NA	NA	NA	NA	NA	NA	5	70.5	1	1	–	5
Johnson	170	28.8	5 942	161.3	4 521	106.1	523.9	981.4	13	65.1	–	9	1	8
Jones	NA	NA	NA	NA	NA	NA	NA	NA	287	1.5	5	1	1	9
Karnes	NA	NA	NA	NA	NA	NA	NA	NA	5	74.8	1	2	Z	3
Kaufman	109	31.2	4 274	120.4	3 132	68.1	267.2	521.3	7	5.3	2	3	–	5
Kendall	NA	NA	NA	NA	NA	NA	NA	NA	4	66.4	1	2	Z	3
Kenedy	NA	NA	NA	NA	NA	NA	NA	NA	1	46.2	–	Z	–	1
Kent	NA	NA	NA	NA	NA	NA	NA	NA	10	95.9	1	Z	–	2
Kerr	49	10.2	960	24.9	652	14.2	53.5	92.9	8	51.0	1	5	Z	4
Kimble	NA	NA	NA	NA	NA	NA	NA	NA	3	27.1	1	1	1	2
King	NA	NA	NA	NA	NA	NA	NA	NA	4	90.0	Z	Z	–	1
Kinney	NA	NA	NA	NA	NA	NA	NA	NA	9	98.8	7	1	–	8
Kleberg	NA	NA	NA	NA	NA	NA	NA	NA	8	80.6	Z	4	–	5
Knox	NA	NA	NA	NA	NA	NA	NA	NA	27	97.0	25	Z	–	26
Lamar	60	36.7	4 809	161.0	4 036	125.7	1 336.7	2 056.3	22	3.7	4	11	5	13
Lamb	14	21.4	678	16.7	567	13.3	53.6	123.6	294	99.8	269	3	–	285
Lampasas	NA	NA	NA	NA	NA	NA	NA	NA	2	60.2	Z	Z	–	3
La Salle	NA	NA	NA	NA	NA	NA	NA	NA	7	91.4	5	1	–	6
Lavaca	46	47.8	2 127	37.2	1 568	20.9	92.8	192.5	17	89.6	12	1	–	12
Lee	NA	NA	NA	NA	NA	NA	NA	NA	10	88.6	1	2	–	4
Leon	NA	NA	NA	NA	NA	NA	NA	NA	9	57.8	–	1	2	4
Liberty	41	29.3	1 220	36.1	986	26.7	84.9	209.8	613	4.1	95	385	121	43
Limestone	17	35.3	790	15.4	686	11.2	40.6	80.1	24	15.8	–	2	Z	22
Lipscomb	NA	NA	NA	NA	NA	NA	NA	NA	18	96.7	16	1	–	17
Live Oak	NA	NA	NA	NA	NA	NA	NA	NA	10	70.2	1	2	1	8
Llano	NA	NA	NA	NA	NA	NA	NA	NA	5	45.3	1	3	Z	3
Loving	NA	NA	NA	NA	NA	NA	NA	NA	2	69.0	1	–	–	1
Lubbock	258	27.5	7 286	203.8	5 026	100.0	881.4	1 566.4	219	95.4	198	13	2	216
Lynn	NA	NA	NA	NA	NA	NA	NA	NA	51	91.9	50	Z	–	50
McCulloch	NA	NA	NA	NA	NA	NA	NA	NA	6	96.5	2	3	Z	5
McLennan	261	38.7	16 474	481.7	11 828	291.2	2 100.4	3 855.6	57	22.1	2	35	5	30
McMullen	NA	NA	NA	NA	NA	NA	NA	NA	2	77.9	–	Z	–	1
Madison	NA	NA	NA	NA	NA	NA	NA	NA	3	81.1	Z	2	Z	2
Marion	NA	NA	NA	NA	NA	NA	NA	NA	5	21.8	Z	2	–	4
Martin	NA	NA	NA	NA	NA	NA	NA	NA	14	99.2	6	1	Z	8
Mason	NA	NA	NA	NA	NA	NA	NA	NA	13	96.7	11	1	–	12
Matagorda	29	17.2	(5)	D	D	D	D	D	124	18.9	88	4	9	126
Maverick	19	36.8	1 091	13.2	1 001	10.5	20.3	78.0	135	1.3	126	5	–	75
Medina	23	17.4	556	13.8	418	9.9	33.2	50.5	50	62.4	43	5	–	41
Menard	NA	NA	NA	NA	NA	NA	NA	NA	6	16.1	5	Z	–	5
Midland	135	23.0	2 435	76.5	1 558	35.6	168.3	326.1	60	82.8	38	9	Z	50
Milam	9	55.6	1 559	65.3	1 251	44.5	129.8	456.0	50	61.3	1	4	38	11
Mills	NA	NA	NA	NA	NA	NA	NA	NA	4	22.6	2	Z	–	3

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Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
TEXAS—Con.														
Mitchell	NA	NA	NA	NA	NA	NA	NA	NA	7	58.4	1	Z	–	5
Montague	21	28.6	505	8.9	374	5.4	22.2	44.1	6	43.7	Z	2	–	3
Montgomery	285	26.0	6 706	219.1	4 837	134.8	722.5	1 540.9	39	91.2	–	26	2	20
Moore	19	21.1	2 865	72.5	2 411	56.1	534.0	2 663.2	312	99.7	296	5	6	307
Morris	16	56.3	2 224	95.7	1 601	65.5	247.4	688.0	86	1.0	Z	Z	83	12
Motley	NA	NA	NA	NA	NA	NA	NA	NA	6	93.7	5	Z	–	6
Nacogdoches	60	41.7	3 475	99.3	2 817	72.9	265.9	771.3	14	68.0	1	10	1	6
Navarro	49	40.8	2 191	58.5	1 628	38.8	183.9	336.0	9	7.2	–	7	Z	4
Newton	10	30.0	620	15.8	525	13.2	34.1	133.2	5	84.6	2	1	Z	3
Nolan	17	52.9	1 043	27.7	758	18.4	125.9	176.7	6	78.6	2	1	Z	5
Nueces	223	27.4	8 925	373.8	5 951	226.1	2 452.5	9 988.5	926	.2	–	113	46	27
Ochiltree	NA	NA	NA	NA	NA	NA	NA	NA	86	98.2	81	2	–	84
Oldham	NA	NA	NA	NA	NA	NA	NA	NA	7	79.9	4	1	–	6
Orange	82	30.5	6 137	302.4	4 477	203.7	1 190.2	2 893.4	1 191	1.5	5	18	46	29
Palo Pinto	37	37.8	1 183	32.6	803	14.8	76.4	134.2	462	.1	Z	4	–	5
Panola	12	16.7	1 092	19.7	961	15.7	98.8	125.0	12	44.1	–	3	3	7
Parker	101	28.7	2 538	63.5	1 940	39.8	164.0	310.8	19	29.6	Z	5	Z	7
Parmer	6	50.0	(4)	D	D	D	D	D	342	99.4	329	1	1	340
Pecos	NA	NA	NA	NA	NA	NA	NA	NA	86	97.8	65	3	Z	67
Polk	25	32.0	1 693	54.6	1 498	45.0	101.9	295.8	9	45.8	Z	7	1	3
Potter	145	26.9	(5)	D	D	D	D	D	29	65.2	17	Z	5	35
Presidio	NA	NA	NA	NA	NA	NA	NA	NA	22	16.0	20	1	–	15
Rains	NA	NA	NA	NA	NA	NA	NA	NA	1	18.7	Z	1	–	1
Randall	58	24.1	(4)	D	D	D	D	D	55	93.6	27	22	–	39
Reagan	NA	NA	NA	NA	NA	NA	NA	NA	34	99.9	28	1	–	30
Real	NA	NA	NA	NA	NA	NA	NA	NA	1	60.6	Z	Z	–	1
Red River	18	44.4	1 171	24.4	1 048	16.5	59.7	127.0	5	35.9	2	1	–	4
Reeves	4	25.0	(6)	D	D	D	D	D	98	98.0	92	1	1	95
Refugio	NA	NA	NA	NA	NA	NA	NA	NA	6	92.5	–	1	–	1
Roberts	NA	NA	NA	NA	NA	NA	NA	NA	6	94.4	5	Z	–	6
Robertson	NA	NA	NA	NA	NA	NA	NA	NA	24	86.7	16	3	Z	21
Rockwall	56	19.6	927	24.0	686	14.8	59.1	114.8	Z	44.4	–	–	–	2
Runnels	15	53.3	1 453	28.1	979	13.9	81.2	151.1	7	34.8	3	2	–	5
Rusk	51	31.4	1 302	29.4	1 006	20.7	85.8	170.3	28	36.3	Z	4	1	21
Sabine	NA	NA	NA	NA	NA	NA	NA	NA	2	57.7	–	1	Z	1
San Augustine	NA	NA	NA	NA	NA	NA	NA	NA	2	54.9	Z	1	–	1
San Jacinto	NA	NA	NA	NA	NA	NA	NA	NA	2	86.4	–	1	Z	2
San Patricio	45	26.7	2 510	103.2	1 896	71.0	459.5	1 235.3	12	22.9	Z	1	9	9
San Saba	NA	NA	NA	NA	NA	NA	NA	NA	5	46.4	3	1	Z	4
Schleicher	NA	NA	NA	NA	NA	NA	NA	NA	3	96.4	2	Z	–	3
Scurry	NA	NA	NA	NA	NA	NA	NA	NA	26	44.4	1	14	–	6
Shackelford	NA	NA	NA	NA	NA	NA	NA	NA	2	72.6	Z	–	–	2
Shelby	29	34.5	1 989	39.3	1 419	31.5	199.3	303.2	6	39.1	Z	4	Z	4
Sherman	NA	NA	NA	NA	NA	NA	NA	NA	244	99.7	240	1	–	244
Smith	213	31.0	10 969	381.1	8 450	262.6	1 113.0	2 299.1	39	50.4	Z	32	3	14
Somervell	NA	NA	NA	NA	NA	NA	NA	NA	6	22.1	Z	Z	–	6
Starr	NA	NA	NA	NA	NA	NA	NA	NA	50	3.3	40	7	–	34
Stephens	18	27.8	562	13.0	479	8.8	57.8	94.3	10	40.8	Z	5	–	2
Sterling	NA	NA	NA	NA	NA	NA	NA	NA	3	97.5	1	Z	–	2
Stonewall	NA	NA	NA	NA	NA	NA	NA	NA	4	84.4	1	–	–	2
Sutton	NA	NA	NA	NA	NA	NA	NA	NA	3	86.2	2	1	–	3
Swisher	NA	NA	NA	NA	NA	NA	NA	NA	181	99.4	175	Z	–	181
Tarrant	2 009	33.5	95 970	3 583.2	60 428	1 701.5	9 393.8	18 621.6	176	7.3	Z	138	32	90
Taylor	118	23.7	3 062	79.9	2 121	44.6	531.2	1 010.7	26	7.2	Z	21	1	10
Terrell	NA	NA	NA	NA	NA	NA	NA	NA	1	99.1	Z	Z	–	1
Terry	NA	NA	NA	NA	NA	NA	NA	NA	155	99.8	149	1	Z	151
Throckmorton	NA	NA	NA	NA	NA	NA	NA	NA	2	57.5	–	Z	–	1
Titus	42	45.2	4 792	102.4	4 411	89.8	188.8	845.3	1 421	.2	–	6	2	25
Tom Green	100	28.0	4 452	105.1	3 579	74.7	367.3	827.6	258	23.5	98	18	Z	98
Travis	774	26.2	52 353	1 986.2	26 364	764.7	11 400.7	14 692.9	590	1.6	1	117	9	50
Trinity	NA	NA	NA	NA	NA	NA	NA	NA	2	53.4	–	1	–	1
Tyler	13	23.1	565	8.9	372	6.4	18.8	42.1	3	94.8	Z	2	–	1
Upshur	31	22.6	603	13.2	383	7.2	25.3	81.1	7	62.6	Z	4	Z	4
Upton	NA	NA	NA	NA	NA	NA	NA	NA	29	99.9	16	1	–	20
Uvalde	17	23.5	710	9.4	611	6.7	29.7	50.7	61	97.5	53	4	Z	57
Val Verde	24	29.2	522	10.2	314	3.8	37.3	125.4	12	53.6	1	10	–	6

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 5,000 to 9,999 employees. [6] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
TEXAS—Con.														
Van Zandt	38	13.2	622	16.2	490	11.6	38.4	68.2	10	64.8	Z	3	Z	6
Victoria	71	23.9	3 064	119.5	2 265	82.4	592.5	1 245.3	48	61.3	13	9	17	36
Walker	38	28.9	677	14.7	557	10.1	40.5	90.8	5	93.1	Z	4	Z	4
Waller	43	37.2	1 283	43.3	836	22.6	127.9	245.6	24	97.5	19	3	Z	16
Ward	NA	NA	NA	NA	NA	NA	NA	NA	40	56.4	18	10	Z	18
Washington	41	58.5	2 982	81.9	2 277	56.2	280.6	529.2	7	45.7	Z	3	Z	4
Webb	87	17.2	1 402	28.1	969	15.5	136.8	258.6	43	2.5	7	32	Z	20
Wharton	46	32.6	2 152	51.9	1 874	39.2	160.2	372.3	273	50.1	264	4	Z	145
Wheeler	NA	NA	NA	NA	NA	NA	NA	NA	6	74.7	3	1	–	5
Wichita	153	28.1	7 927	254.9	6 263	183.3	769.8	1 435.9	31	17.0	21	2	2	22
Wilbarger	9	33.3	681	19.8	552	14.9	99.9	236.7	29	93.6	24	3	–	26
Willacy	NA	NA	NA	NA	NA	NA	NA	NA	1	85.1	–	–	–	37
Williamson	240	32.5	11 727	418.8	7 137	164.6	3 673.8	9 637.4	26	64.6	–	20	1	14
Wilson	NA	NA	NA	NA	NA	NA	NA	NA	17	80.8	11	3	–	14
Winkler	NA	NA	NA	NA	NA	NA	NA	NA	7	99.9	–	2	–	3
Wise	54	29.6	1 340	37.8	1 004	25.4	107.0	180.3	22	20.3	Z	3	2	20
Wood	45	15.6	649	13.5	562	9.9	37.3	143.4	16	88.3	Z	4	–	6
Yoakum	NA	NA	NA	NA	NA	NA	NA	NA	127	98.2	96	2	–	104
Young	28	35.7	1 043	28.3	787	14.9	142.4	248.4	9	22.5	–	4	–	5
Zapata	NA	NA	NA	NA	NA	NA	NA	NA	6	1.5	3	2	–	3
Zavala	NA	NA	NA	NA	NA	NA	NA	NA	71	73.9	66	2	1	67
UTAH	2 860	30.1	119 140	3 726.1	84 129	2 218.7	11 343.5	24 014.4	4 459	17.7	3 533	497	86	2 333
Beaver	NA	NA	NA	NA	NA	NA	NA	NA	136	34.3	121	2	–	66
Box Elder	51	23.5	5 725	270.7	4 340	189.5	661.5	1 271.6	371	21.3	341	25	2	205
Cache	149	32.2	8 355	195.0	6 089	132.9	534.2	1 785.6	293	12.1	243	22	2	151
Carbon	NA	NA	NA	NA	NA	NA	NA	NA	72	6.5	63	5	Z	52
Daggett	NA	NA	NA	NA	NA	NA	NA	NA	15	1.7	15	Z	–	12
Davis	227	28.6	7 170	202.8	5 664	136.4	634.8	1 592.1	159	13.2	113	43	2	85
Duchesne	NA	NA	NA	NA	NA	NA	NA	NA	172	.6	169	1	Z	128
Emery	NA	NA	NA	NA	NA	NA	NA	NA	153	1.1	123	3	1	114
Garfield	NA	NA	NA	NA	NA	NA	NA	NA	71	3.6	69	1	–	23
Grand	NA	NA	NA	NA	NA	NA	NA	NA	10	27.6	7	3	Z	6
Iron	50	24.0	1 520	37.9	1 208	23.7	103.5	206.4	154	70.6	146	7	–	106
Juab	NA	NA	NA	NA	NA	NA	NA	NA	111	20.9	106	4	Z	42
Kane	NA	NA	NA	NA	NA	NA	NA	NA	10	16.9	8	2	–	8
Millard	NA	NA	NA	NA	NA	NA	NA	NA	285	27.1	245	4	17	223
Morgan	NA	NA	NA	NA	NA	NA	NA	NA	107	1.6	105	1	Z	22
Piute	NA	NA	NA	NA	NA	NA	NA	NA	72	2.5	60	Z	–	28
Rich	NA	NA	NA	NA	NA	NA	NA	NA	153	3.7	151	1	–	57
Salt Lake	1 441	30.7	53 424	1 706.4	35 180	879.9	4 968.6	10 012.2	386	22.4	174	190	12	129
San Juan	NA	NA	NA	NA	NA	NA	NA	NA	42	13.0	36	2	Z	30
Sanpete	18	27.8	908	16.9	808	13.6	53.2	116.7	149	14.5	142	5	–	86
Sevier	NA	NA	NA	NA	NA	NA	NA	NA	209	3.4	193	2	Z	61
Summit	40	17.5	861	21.4	505	15.4	38.9	86.2	91	8.0	83	7	–	48
Tooele	27	33.3	1 737	56.8	1 382	39.5	169.4	342.8	211	32.7	61	8	30	155
Uintah	NA	NA	NA	NA	NA	NA	NA	NA	195	5.3	183	5	Z	146
Utah	390	32.3	15 949	461.0	11 682	299.9	1 191.9	2 667.3	299	33.0	214	73	8	124
Wasatch	NA	NA	NA	NA	NA	NA	NA	NA	97	7.6	93	3	–	33
Washington	92	31.5	1 949	48.4	1 501	33.8	133.8	243.4	84	31.6	60	24	Z	33
Wayne	NA	NA	NA	NA	NA	NA	NA	NA	58	7.6	26	Z	–	26
Weber	210	32.4	18 446	635.0	13 353	402.9	2 606.3	5 242.4	295	10.2	184	54	10	136
VERMONT	1 226	27.7	42 533	1 459.6	29 318	758.0	4 044.6	7 803.0	565	8.8	4	47	9	24
Addison	61	27.9	1 871	59.4	1 227	33.5	184.7	321.9	7	66.7	Z	3	Z	2
Bennington	88	30.7	3 090	94.1	2 305	62.2	250.0	504.8	8	46.4	Z	4	Z	1
Caledonia	55	29.1	1 950	54.0	1 505	36.7	115.5	198.0	7	42.1	Z	2	1	1
Chittenden	234	26.9	14 302	624.0	7 867	196.1	2 056.8	3 942.1	20	22.9	1	15	Z	3
Essex	11	36.4	883	25.7	732	21.0	32.0	86.0	2	27.8	Z	Z	2	Z
Franklin	68	41.2	2 603	78.8	1 980	53.0	209.0	546.6	8	47.5	Z	3	1	2
Grand Isle	NA	NA	NA	NA	NA	NA	NA	NA	7	3.8	Z	Z	–	Z
Lamoille	51	17.6	697	18.0	516	10.2	46.9	85.2	4	65.9	Z	1	Z	1
Orange	58	25.9	1 220	29.3	921	19.2	64.4	128.5	3	80.2	Z	1	Z	1
Orleans	45	20.0	1 565	37.2	1 336	29.5	78.5	138.1	5	69.5	Z	2	Z	1
Rutland	123	34.1	4 635	150.5	3 856	116.4	311.0	542.2	16	36.2	Z	5	4	2
Washington	152	21.1	2 901	84.7	1 937	47.8	218.4	446.2	8	43.6	Z	4	Z	1
Windham	120	30.8	3 473	99.5	2 771	69.1	240.1	442.8	460	.6	Z	2	2	5
Windsor	155	25.8	3 300	103.2	2 330	62.5	235.6	417.1	11	86.5	Z	4	Z	2

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
VIRGINIA	5 986	34.1	370 595	11 557.8	279 682	7 412.2	43 563.0	83 814.0	8 262	4.3	30	786	583	226
Accomack	32	21.9	3 209	52.6	2 533	44.2	105.5	244.5	9	91.6	2	1	3	3
Albemarle	54	27.8	(4)	D	D	D	D	D	16	21.8	Z	12	Z	2
Alleghany	NA	NA	NA	NA	NA	NA	NA	NA	57	6.3	–	2	55	7
Amelia	NA	NA	NA	NA	NA	NA	NA	NA	2	47.2	1	Z	Z	1
Amherst	44	31.8	1 678	53.8	1 272	39.9	209.6	395.1	18	6.3	Z	13	4	1
Appomattox	18	22.2	1 216	28.5	1 027	24.3	65.5	112.7	2	63.2	Z	Z	–	1
Arlington	57	14.0	509	16.3	373	11.2	36.3	59.5	Z	35.7	–	–	Z	2
Augusta	66	43.9	5 372	175.1	4 406	129.2	709.8	1 312.4	17	76.4	1	9	2	4
Bath	3	33.3	(5)	D	D	D	D	D	2	90.5	–	Z	–	Z
Bedford	45	37.8	1 489	49.7	984	22.7	95.9	262.0	17	26.8	Z	3	9	3
Bland	7	71.4	656	15.8	493	10.0	41.6	85.5	1	59.1	–	Z	–	Z
Botetourt	23	60.9	1 422	39.3	1 007	24.2	110.7	210.4	18	19.7	–	16	Z	1
Brunswick	19	52.6	937	18.7	795	13.7	44.5	84.3	4	29.5	1	1	–	1
Buchanan	NA	NA	NA	NA	NA	NA	NA	NA	4	64.5	–	Z	Z	Z
Buckingham	NA	NA	NA	NA	NA	NA	NA	NA	2	36.4	–	Z	Z	1
Campbell	62	33.9	5 098	123.5	4 272	88.5	890.6	1 383.7	11	23.5	Z	4	5	2
Caroline	NA	NA	NA	NA	NA	NA	NA	NA	3	67.1	Z	1	Z	1
Carroll	35	37.1	2 430	45.3	2 199	39.1	112.8	286.3	4	65.4	Z	1	Z	1
Charles City	10	40.0	680	16.0	522	11.4	36.4	62.2	2	39.2	1	Z	Z	1
Charlotte	15	60.0	1 178	25.4	1 055	21.4	46.4	143.6	2	50.3	Z	Z	Z	1
Chesterfield	164	30.5	10 166	412.6	7 324	255.7	1 361.2	2 671.2	1 008	.2	Z	32	60	10
Clarke	13	23.1	1 167	33.7	920	23.4	129.3	190.3	2	56.9	Z	1	Z	1
Craig	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	–	Z	–	Z
Culpeper	28	35.7	1 484	45.3	1 107	28.7	127.6	278.9	4	40.8	Z	2	Z	1
Cumberland	NA	NA	NA	NA	NA	NA	NA	NA	1	70.3	–	Z	–	Z
Dickenson	NA	NA	NA	NA	NA	NA	NA	NA	3	26.7	–	3	–	Z
Dinwiddie	NA	NA	NA	NA	NA	NA	NA	NA	4	34.7	1	Z	–	1
Essex	18	44.4	1 140	24.8	996	18.6	45.6	119.4	1	86.9	Z	Z	–	Z
Fairfax	478	22.4	13 181	551.9	7 658	262.2	1 437.1	2 594.5	77	5.8	Z	72	Z	10
Fauquier	36	25.0	867	25.7	627	15.4	50.9	107.8	7	68.0	Z	2	Z	2
Floyd	22	22.7	547	11.2	455	8.6	22.7	48.0	2	64.2	–	Z	–	1
Fluvanna	NA	NA	NA	NA	NA	NA	NA	NA	118	1.2	–	1	Z	Z
Franklin	66	33.3	4 677	113.0	3 717	75.8	255.1	519.6	6	54.8	1	1	–	2
Frederick	69	53.6	3 416	97.0	2 299	61.1	362.2	741.1	6	48.6	Z	3	Z	1
Giles	15	86.7	2 731	90.5	2 109	63.6	304.2	538.6	309	2.2	–	1	66	8
Gloucester	NA	NA	NA	NA	NA	NA	NA	NA	3	65.7	–	1	–	Z
Goochland	NA	NA	NA	NA	NA	NA	NA	NA	3	52.6	–	Z	–	Z
Grayson	18	61.1	1 085	25.8	787	16.7	74.4	123.4	2	70.0	–	Z	Z	1
Greene	NA	NA	NA	NA	NA	NA	NA	NA	2	65.0	–	Z	–	Z
Greensville	5	60.0	733	15.0	678	13.2	36.4	120.3	3	29.5	Z	Z	1	1
Halifax	42	47.6	4 707	113.8	4 122	92.2	251.8	652.9	7	31.4	1	Z	Z	1
Hanover	150	28.7	3 803	111.8	3 009	72.2	257.5	579.7	26	20.3	1	7	–	4
Henrico	216	38.4	10 857	379.0	7 656	253.9	1 502.1	2 432.3	8	85.1	–	4	1	3
Henry	70	48.6	7 970	189.1	7 068	145.6	447.9	858.4	42	12.6	Z	8	30	4
Highland	NA	NA	NA	NA	NA	NA	NA	NA	6	99.8	–	Z	5	1
Isle of Wight	17	35.3	4 698	106.6	3 798	77.4	793.9	1 546.8	56	68.8	Z	15	40	6
James City	26	38.5	(4)	D	D	D	D	D	33	12.1	Z	31	Z	1
King and Queen	NA	NA	NA	NA	NA	NA	NA	NA	1	86.4	Z	Z	Z	Z
King George	NA	NA	NA	NA	NA	NA	NA	NA	4	57.4	Z	1	Z	1
King William	13	38.5	1 114	56.5	833	38.9	164.3	357.2	22	97.8	Z	Z	21	3
Lancaster	NA	NA	NA	NA	NA	NA	NA	NA	2	92.3	–	1	Z	Z
Lee	17	41.2	784	10.8	686	9.1	43.0	70.8	4	63.5	–	1	–	1
Loudoun	128	30.5	3 459	132.8	2 379	76.3	265.7	480.8	18	23.9	Z	15	Z	2
Louisa	29	27.6	633	16.4	489	10.1	51.1	89.3	2 078	.1	–	Z	Z	1
Lunenburg	16	50.0	900	16.2	758	12.5	32.2	76.3	2	35.6	1	Z	–	1
Madison	NA	NA	NA	NA	NA	NA	NA	NA	2	59.6	–	Z	Z	1
Mathews	NA	NA	NA	NA	NA	NA	NA	NA	1	98.7	–	Z	–	Z
Mecklenburg	41	56.1	4 589	102.7	3 845	75.6	340.2	859.1	11	21.9	1	2	4	2
Middlesex	NA	NA	NA	NA	NA	NA	NA	NA	1	91.4	Z	Z	Z	Z
Montgomery	68	32.4	4 836	153.9	3 796	109.9	481.8	699.1	25	7.8	1	9	13	3
Nelson	14	21.4	621	8.7	563	7.1	21.2	41.2	3	42.0	1	Z	Z	1
New Kent	NA	NA	NA	NA	NA	NA	NA	NA	40	2.6	Z	39	–	Z
Northampton	NA	NA	NA	NA	NA	NA	NA	NA	6	79.2	4	Z	Z	3
Northumberland	19	36.8	575	12.9	316	6.5	35.6	59.6	1	97.5	Z	Z	Z	Z
Nottoway	18	50.0	681	11.3	604	9.3	40.4	139.9	3	25.2	Z	2	Z	1
Orange	35	37.1	2 529	68.8	1 975	46.1	205.0	445.6	3	26.1	Z	2	Z	1
Page	16	56.3	2 883	47.5	2 352	33.5	197.9	461.8	5	87.8	Z	2	1	1
Patrick	38	47.4	2 610	55.7	2 342	43.8	109.3	249.7	2	68.9	Z	Z	Z	1
Pittsylvania	59	39.0	(6)	D	D	D	D	D	11	37.1	2	1	3	3
Powhatan	NA	NA	NA	NA	NA	NA	NA	NA	2	88.5	–	Z	–	Z

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 500 to 999 employees. [6] 2,500 to 4,999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
VIRGINIA—Con.														
Prince Edward	18	27.8	(4)	D	D	D	D	D	3	41.1	Z	1	–	1
Prince George	NA	NA	NA	NA	NA	NA	NA	NA	22	14.0	Z	Z	13	3
Prince William	109	28.4	2 974	115.9	2 030	67.9	187.2	378.1	330	3.9	Z	61	Z	4
Pulaski	41	61.0	6 509	169.6	5 444	131.5	349.2	1 655.8	9	12.0	1	6	Z	1
Rappahannock	NA	NA	NA	NA	NA	NA	NA	NA	1	71.0	–	Z	–	Z
Richmond	NA	NA	NA	NA	NA	NA	NA	NA	2	34.6	1	Z	Z	1
Roanoke	64	31.3	3 450	107.6	2 389	67.8	287.5	598.7	8	75.7	Z	6	1	1
Rockbridge	24	50.0	2 090	50.0	1 755	40.6	108.7	335.4	7	75.9	Z	3	2	1
Rockingham	74	39.2	9 272	269.7	7 474	184.4	2 021.4	4 112.5	29	61.6	1	12	9	6
Russell	26	30.8	1 614	28.8	1 379	22.6	64.8	129.2	16	14.0	–	1	Z	10
Scott	NA	NA	NA	NA	NA	NA	NA	NA	3	42.4	–	1	Z	1
Shenandoah	47	51.1	5 436	139.4	4 375	105.2	329.7	840.5	7	57.2	Z	2	2	2
Smyth	53	47.2	4 913	109.2	4 158	81.8	335.6	692.6	6	85.7	Z	4	–	1
Southampton	16	50.0	2 874	131.1	2 082	92.5	393.8	710.0	25	29.6	Z	18	6	1
Spotsylvania	40	42.5	1 698	60.4	1 325	41.7	127.2	304.9	8	37.2	1	4	1	1
Stafford	47	17.0	711	17.2	568	13.3	48.8	99.2	11	26.2	Z	6	Z	1
Surry	NA	NA	NA	NA	NA	NA	NA	NA	1 758	.1	–	Z	Z	Z
Sussex	9	77.8	1 138	26.5	987	21.4	99.1	283.5	2	93.3	–	1	Z	Z
Tazewell	58	32.8	1 517	30.6	1 122	19.9	57.6	161.2	7	29.6	–	4	Z	1
Warren	27	25.9	1 540	37.7	1 366	29.1	227.4	511.0	8	19.6	–	7	Z	1
Washington	65	30.8	2 031	53.2	1 503	32.0	176.0	315.8	13	27.0	Z	10	1	2
Westmoreland	16	43.8	694	13.5	612	9.0	34.7	124.6	3	62.4	1	1	Z	1
Wise	24	8.3	556	10.1	466	8.1	30.4	64.2	8	22.8	–	5	–	1
Wythe	45	37.8	2 129	51.6	1 766	37.9	159.9	276.9	5	54.0	–	3	–	1
York	28	10.7	(4)	D	D	D	D	D	515	.3	–	24	62	8
Independent Cities														
Alexandria	114	20.2	1 907	59.4	1 230	33.8	194.8	328.1	282	Z	–	–	Z	2
Bedford	30	40.0	2 278	62.2	1 788	41.9	122.4	254.3	–	–	–	–	–	Z
Bristol	41	53.7	6 954	184.4	5 554	132.8	474.9	1 222.9	–	–	–	–	–	Z
Buena Vista	10	90.0	(4)	D	D	D	D	D	Z	25.0	–	–	Z	Z
Charlottesville	67	28.4	(5)	D	D	D	D	D	–	–	–	–	–	1
Chesapeake	132	34.1	4 558	147.0	2 967	80.9	336.7	1 085.0	556	.8	–	10	Z	2
Clifton Forge	NA	NA	NA	NA	NA	NA	NA	NA	–	–	–	–	–	Z
Colonial Heights	14	35.7	838	20.4	711	14.9	146.5	215.4	–	–	–	–	–	Z
Covington	11	54.5	2 615	113.4	1 842	74.0	510.9	1 004.9	3	–	–	2	1	Z
Danville	47	48.9	(6)	D	D	D	D	D	19	–	–	9	10	2
Emporia	13	76.9	1 055	29.0	868	22.3	72.4	158.7	1	–	–	1	–	Z
Fairfax	NA	NA	NA	NA	NA	NA	NA	NA	Z	–	–	–	–	Z
Falls Church	NA	NA	NA	NA	NA	NA	NA	NA	–	–	–	–	–	Z
Franklin	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	–	1	–	Z
Fredericksburg	41	26.8	1 059	28.6	830	19.5	88.5	240.7	4	–	–	4	–	Z
Galax	24	54.2	4 460	86.8	4 042	71.8	172.7	380.2	3	–	–	3	–	Z
Hampton	80	28.8	4 636	123.4	3 636	81.3	422.7	971.0	2	3.7	Z	1	–	2
Harrisonburg	38	47.4	3 687	102.6	2 985	73.9	254.3	725.8	–	–	–	–	–	1
Hopewell	19	42.1	2 907	147.4	2 191	96.1	743.9	1 328.1	156	–	–	23	133	18
Lexington	NA	NA	NA	NA	NA	NA	NA	NA	–	–	–	–	–	Z
Lynchburg	117	44.4	12 535	481.1	8 365	257.1	1 602.6	3 096.4	1	3.0	–	Z	1	1
Manassas	34	32.4	2 822	188.5	582	20.2	594.7	791.6	Z	100.0	–	–	Z	Z
Manassas Park	NA	NA	NA	NA	NA	NA	NA	NA	Z	100.0	–	Z	–	Z
Martinsville	39	61.5	8 726	203.0	7 241	146.2	345.4	724.1	Z	77.8	–	–	–	1
Newport News	131	33.6	24 707	898.4	19 157	574.7	1 653.6	3 300.5	37	1.0	Z	32	5	3
Norfolk	199	34.2	10 996	402.2	8 838	303.4	2 789.7	5 737.3	14	2.0	–	13	Z	4
Norton	NA	NA	NA	NA	NA	NA	NA	NA	1	–	–	1	–	Z
Petersburg	43	46.5	2 553	72.4	1 771	39.1	145.4	409.6	Z	100.0	–	–	–	Z
Poquoson	NA	NA	NA	NA	NA	NA	NA	NA	–	–	–	–	–	Z
Portsmouth	71	21.1	1 812	52.0	1 341	33.6	143.6	368.7	2	98.8	–	–	2	2
Radford	21	52.4	2 838	84.6	2 111	57.3	185.4	393.4	3	–	–	3	–	Z
Richmond	325	36.6	21 879	941.2	14 775	539.5	8 229.6	11 748.3	70	Z	–	70	Z	4
Roanoke	152	38.2	8 489	242.9	5 819	144.1	1 213.4	2 156.3	9	78.6	–	4	Z	2
Salem	73	38.4	6 478	202.3	4 367	115.3	555.1	1 035.6	3	3.6	–	3	Z	1
South Boston	X	X	X	X	X	X	X	X	2	–	–	2	–	Z
Staunton	NA	NA	NA	NA	NA	NA	NA	NA	–	–	–	–	–	Z
Suffolk	52	44.2	2 257	63.8	1 920	48.6	539.6	1 103.5	89	9.9	Z	87	Z	1
Virginia Beach	236	20.3	5 806	139.3	3 913	82.1	380.4	967.2	8	42.7	–	4	Z	4
Waynesboro	31	51.6	4 558	160.2	2 589	81.6	452.5	802.5	12	60.9	–	4	8	1
Williamsburg	14	14.3	(7)	D	D	D	D	D	2	96.2	–	–	–	1
Winchester	43	58.1	6 047	196.1	4 647	130.9	791.1	1 431.3	Z	79.2	–	–	Z	1

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Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

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County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use–(mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
WASHINGTON	7 801	27.7	328 511	13 004.1	213 330	7 046.4	30 434.8	78 852.5	8 860	19.9	6 469	1 179	649	3 081
Adams	13	15.4	1 088	25.9	967	20.5	127.6	274.7	346	37.2	340	2	2	168
Asotin	NA	NA	NA	NA	NA	NA	NA	NA	6	78.2	1	4	–	1
Benton	121	19.8	3 672	139.5	2 634	78.9	425.2	885.5	1 078	4.9	566	25	125	271
Chelan	88	26.1	2 535	76.2	2 066	55.0	195.1	552.2	128	9.9	100	11	16	46
Clallam	75	20.0	1 481	49.0	1 184	37.8	151.0	359.2	102	57.3	34	65	Z	20
Clark	421	31.1	19 537	715.2	15 316	489.4	1 985.4	3 854.3	195	65.5	30	38	114	35
Columbia	NA	NA	NA	NA	NA	NA	NA	NA	17	8.6	16	1	Z	7
Cowlitz	125	36.8	8 309	364.4	6 330	263.4	1 051.5	2 496.5	208	3.0	10	13	183	24
Douglas	NA	NA	NA	NA	NA	NA	NA	NA	63	18.5	54	5	3	24
Ferry	NA	NA	NA	NA	NA	NA	NA	NA	13	18.6	12	Z	Z	5
Franklin	47	14.9	3 092	69.1	2 668	55.4	221.5	1 160.5	844	12.6	825	15	2	358
Garfield	NA	NA	NA	NA	NA	NA	NA	NA	2	33.7	1	Z	Z	1
Grant	56	39.3	4 090	111.3	3 276	78.2	438.3	806.9	1 795	12.8	1 777	11	2	768
Grays Harbor	97	27.8	3 792	125.7	3 164	96.7	337.8	822.9	104	43.0	10	79	12	15
Island	49	10.2	625	17.0	494	12.1	32.7	62.5	14	70.9	3	10	Z	3
Jefferson	56	16.1	(4)	D	D	D	D	D	32	35.0	4	21	7	5
King	2 993	27.6	134 028	5 682.6	75 310	2 515.5	10 459.9	26 480.3	292	33.8	4	267	6	37
Kitsap	143	11.2	1 441	36.8	1 016	20.9	81.3	142.7	40	80.5	1	30	Z	5
Kittitas	32	15.6	662	15.6	577	12.0	59.7	102.4	453	1.8	443	6	1	179
Klickitat	25	16.0	(5)	D	D	D	D	D	99	41.9	89	2	6	48
Lewis	115	35.7	3 630	97.1	3 036	75.0	262.2	648.0	54	34.7	30	7	3	18
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	72	69.0	69	2	Z	41
Mason	52	21.2	1 664	51.7	1 452	39.7	128.0	343.9	19	53.8	1	6	8	3
Okanogan	28	14.3	794	20.9	697	17.4	36.0	123.6	140	19.9	127	4	5	57
Pacific	36	27.8	848	19.0	756	16.1	46.4	112.8	10	29.4	3	5	1	2
Pend Oreille	NA	NA	NA	NA	NA	NA	NA	NA	5	54.6	1	2	1	1
Pierce	680	30.6	22 283	705.2	16 834	479.5	1 882.2	4 275.9	219	62.2	12	147	35	32
San Juan	NA	NA	NA	NA	NA	NA	NA	NA	3	51.6	Z	2	Z	1
Skagit	185	29.7	5 026	148.9	3 737	92.1	691.5	2 917.7	46	39.7	13	26	Z	13
Skamania	NA	NA	NA	NA	NA	NA	NA	NA	13	8.5	1	1	11	2
Snohomish	837	28.0	58 170	2 918.1	33 010	1 534.6	7 380.4	19 903.2	173	21.6	7	115	36	22
Spokane	572	30.8	20 892	681.4	14 631	406.8	1 811.2	3 994.6	189	83.9	44	93	36	52
Stevens	40	30.0	1 546	53.6	1 293	41.2	126.6	363.6	29	28.3	17	4	Z	9
Thurston	156	23.7	3 218	100.7	2 503	69.9	304.4	761.0	50	87.4	15	19	5	14
Wahkiakum	NA	NA	NA	NA	NA	NA	NA	NA	3	23.7	2	1	Z	1
Walla Walla	66	22.7	2 400	89.4	1 907	64.8	245.5	544.7	354	17.4	321	15	15	147
Whatcom	314	26.8	9 184	281.4	6 856	183.1	841.8	3 947.0	161	53.9	53	92	7	45
Whitman	NA	NA	NA	NA	NA	NA	NA	NA	15	62.3	6	8	–	4
Yakima	239	37.2	10 163	264.6	8 183	186.9	762.0	2 090.5	1 475	6.4	1 427	25	6	595
WEST VIRGINIA	1 505	34.4	72 813	2 460.7	55 643	1 658.9	9 311.0	18 293.3	4 619	3.2	Z	176	1 316	353
Barbour	NA	NA	NA	NA	NA	NA	NA	NA	2	29.9	–	1	Z	Z
Berkeley	38	52.6	3 093	85.1	2 582	62.3	267.3	470.4	21	28.2	–	7	10	3
Boone	NA	NA	NA	NA	NA	NA	NA	NA	4	44.9	–	1	Z	1
Braxton	NA	NA	NA	NA	NA	NA	NA	NA	6	14.1	–	1	4	1
Brooke	22	59.1	1 275	49.6	897	32.4	138.4	637.6	50	5.6	–	5	45	7
Cabell	112	40.2	5 766	199.9	4 435	145.5	690.3	1 199.5	83	3.4	–	14	66	11
Calhoun	NA	NA	NA	NA	NA	NA	NA	NA	2	33.3	–	Z	1	Z
Clay	NA	NA	NA	NA	NA	NA	NA	NA	1	54.3	–	Z	Z	Z
Doddridge	NA	NA	NA	NA	NA	NA	NA	NA	1	64.4	–	Z	Z	Z
Fayette	34	20.6	807	27.5	618	19.1	76.2	169.4	33	12.0	–	4	10	19
Gilmer	NA	NA	NA	NA	NA	NA	NA	NA	1	43.1	–	Z	Z	Z
Grant	18	38.9	929	15.6	806	12.8	37.5	106.2	1 006	.5	–	1	4	12
Greenbrier	38	26.3	923	26.2	615	14.9	47.9	99.7	11	50.6	–	3	3	2
Hampshire	NA	NA	NA	NA	NA	NA	NA	NA	3	54.1	–	1	1	Z
Hancock	37	59.5	8 011	330.3	6 113	242.6	893.1	2 105.3	176	2.3	–	2	173	27
Hardy	20	50.0	2 940	57.7	2 685	43.2	142.7	435.6	14	9.5	–	2	11	2
Harrison	68	19.1	2 022	72.7	1 524	49.2	185.4	394.0	60	2.9	–	8	29	19
Jackson	16	37.5	(6)	D	D	D	D	D	51	5.3	–	1	47	8
Jefferson	26	50.0	2 172	60.1	1 839	38.8	194.5	444.1	14	39.5	Z	2	6	2
Kanawha	141	29.8	6 590	273.3	4 697	182.0	1 945.8	3 071.3	638	1.4	–	32	275	45
Lewis	18	22.2	538	13.5	473	11.1	33.3	52.6	6	16.1	–	1	3	1
Lincoln	NA	NA	NA	NA	NA	NA	NA	NA	2	67.5	–	1	Z	Z
Logan	39	23.1	853	20.2	592	11.2	42.2	82.6	6	39.3	–	3	Z	1
McDowell	NA	NA	NA	NA	NA	NA	NA	NA	7	92.3	–	5	Z	1

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	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
WEST VIRGINIA—Con.														
Marion	62	35.5	1 501	42.0	1 175	30.1	151.7	347.0	56	1.9	–	8	13	3
Marshall	NA	NA	NA	NA	NA	NA	NA	NA	751	.7	–	3	96	29
Mason	16	37.5	1 173	47.1	829	30.1	110.4	466.3	662	.5	–	2	42	28
Mercer	56	44.6	1 908	61.8	1 300	29.7	147.8	298.5	22	26.2	–	5	10	2
Mineral	16	50.0	1 138	40.4	828	24.7	101.8	136.3	5	23.0	–	1	2	1
Mingo	NA	NA	NA	NA	NA	NA	NA	NA	7	42.0	–	2	1	1
Monongalia	58	27.6	2 055	77.8	1 395	39.3	287.4	598.0	132	2.4	–	8	37	12
Monroe	NA	NA	NA	NA	NA	NA	NA	NA	3	56.4	–	Z	1	1
Morgan	NA	NA	NA	NA	NA	NA	NA	NA	3	80.3	–	1	Z	Z
Nicholas	27	37.0	768	18.2	620	12.2	67.4	123.1	5	24.3	–	2	1	1
Ohio	58	36.2	(4)	D	D	D	D	D	44	1.7	–	9	35	6
Pendleton	7	28.6	595	10.4	545	9.1	20.2	47.3	5	74.8	–	1	Z	1
Pleasants	6	50.0	(5)	D	D	D	D	D	123	.9	–	1	26	15
Pocahontas	NA	NA	NA	NA	NA	NA	NA	NA	5	71.5	–	1	1	Z
Preston	28	28.6	664	14.1	590	11.5	32.2	69.0	147	1.6	–	1	13	2
Putnam	35	25.7	1 091	38.5	737	22.4	95.8	234.0	70	2.5	–	2	24	33
Raleigh	56	19.6	999	32.6	701	19.8	57.2	164.9	15	36.9	–	7	2	1
Randolph	29	48.3	1 397	27.3	1 257	23.2	60.8	169.4	15	31.6	–	2	5	2
Ritchie	21	38.1	1 035	27.2	751	14.8	67.0	116.6	4	16.8	–	Z	3	1
Roane	18	22.2	790	12.9	737	10.9	83.2	170.4	3	25.9	–	1	2	Z
Summers	NA	NA	NA	NA	NA	NA	NA	NA	2	51.0	–	Z	Z	Z
Taylor	NA	NA	NA	NA	NA	NA	NA	NA	7	5.2	–	2	5	1
Tucker	NA	NA	NA	NA	NA	NA	NA	NA	17	4.4	–	1	15	2
Tyler	12	66.7	(5)	D	D	D	D	D	25	3.2	–	Z	24	4
Upshur	26	46.2	947	22.5	792	15.8	73.1	152.5	4	21.5	–	2	1	1
Wayne	33	42.4	1 770	47.3	1 183	25.5	152.6	325.0	21	7.2	–	2	17	3
Webster	NA	NA	NA	NA	NA	NA	NA	NA	2	37.1	–	Z	Z	Z
Wetzel	18	22.2	(4)	D	D	D	D	D	92	4.2	–	2	89	14
Wirt	NA	NA	NA	NA	NA	NA	NA	NA	3	19.9	–	Z	2	Z
Wood	78	34.6	7 010	293.3	5 137	195.4	1 485.9	2 301.9	169	7.5	–	10	156	25
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA	6	35.9	–	2	3	1
WISCONSIN	9 936	39.3	562 479	18 766.4	416 254	11 952.6	54 947.1	117 383.0	7 252	10.5	169	600	441	443
Adams	NA	NA	NA	NA	NA	NA	NA	NA	38	100.0	37	Z	Z	33
Ashland	28	53.6	1 661	44.8	1 341	32.2	73.7	150.7	35	2.2	–	2	–	1
Barron	96	33.3	5 430	133.9	4 488	94.2	403.4	891.5	16	91.6	7	4	3	9
Bayfield	NA	NA	NA	NA	NA	NA	NA	NA	5	96.9	Z	Z	Z	1
Brown	396	42.4	25 825	1 015.7	18 473	602.6	2 588.4	6 457.4	497	3.5	Z	30	65	20
Buffalo	NA	NA	NA	NA	NA	NA	NA	NA	178	3.4	2	1	–	5
Burnett	32	37.5	1 106	30.3	882	23.1	100.2	176.7	2	99.1	1	Z	Z	1
Calumet	64	48.4	6 078	190.9	4 730	131.5	487.9	1 018.9	6	97.6	Z	3	Z	2
Chippewa	112	34.8	6 442	203.7	4 731	140.6	440.2	989.8	11	97.9	2	5	1	4
Clark	87	41.4	2 863	70.7	2 371	50.1	199.8	799.6	5	95.7	Z	2	Z	2
Columbia	108	40.7	5 311	159.1	4 059	104.3	509.0	1 262.4	17	48.9	Z	4	2	2
Crawford	20	55.0	2 252	50.8	1 802	35.7	366.9	509.1	3	97.5	Z	1	Z	1
Dane	564	33.2	26 568	864.4	18 841	507.8	2 484.9	4 840.5	113	49.1	Z	47	2	12
Dodge	164	49.4	12 667	413.8	9 898	293.8	1 111.7	3 159.9	14	97.5	Z	7	2	4
Door	63	27.0	2 222	59.7	1 803	40.8	136.1	267.5	5	99.0	Z	2	Z	1
Douglas	56	25.0	1 543	45.4	1 216	31.9	128.1	500.2	7	13.1	Z	4	1	1
Dunn	60	23.3	2 910	92.0	2 356	62.5	518.0	875.4	15	99.1	9	3	1	10
Eau Claire	107	34.6	4 182	110.9	3 311	75.7	369.9	651.3	18	81.8	1	9	6	4
Florence	NA	NA	NA	NA	NA	NA	NA	NA	1	98.2	Z	Z	–	Z
Fond du Lac	158	37.3	11 150	393.2	8 065	249.1	1 135.1	2 115.7	17	98.8	Z	12	1	3
Forest	NA	NA	NA	NA	NA	NA	NA	NA	1	96.0	Z	Z	–	Z
Grant	57	36.8	2 996	68.5	2 499	52.2	405.9	718.1	252	3.4	Z	3	1	6
Green	77	37.7	3 667	93.5	2 936	64.8	380.2	840.2	6	96.7	1	3	Z	2
Green Lake	61	39.3	2 383	55.8	1 884	38.1	153.2	262.0	5	96.8	Z	2	1	2
Iowa	34	20.6	815	18.4	647	12.9	53.6	156.7	3	95.8	Z	1	–	1
Iron	12	50.0	534	10.5	462	7.3	28.2	64.2	1	100.0	–	1	–	Z
Jackson	20	40.0	810	17.8	608	12.8	72.5	134.2	9	99.1	Z	1	Z	2
Jefferson	165	49.7	12 201	371.8	8 988	234.1	912.4	2 431.5	23	98.9	1	9	4	5
Juneau	47	44.7	3 503	103.0	2 431	62.0	247.8	522.7	8	99.5	6	1	Z	6
Kenosha	204	40.2	9 526	396.2	7 325	281.5	881.6	2 031.0	35	7.2	Z	15	Z	3
Kewaunee	45	40.0	2 359	67.1	1 803	40.2	148.5	314.0	726	.4	Z	1	Z	8
La Crosse	161	34.8	10 171	313.7	7 230	182.7	499.7	1 382.7	69	40.2	Z	17	4	5

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 1,000 to 2,499 employees. [5] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).

Table B–9. Counties — **Manufacturing and Water Use**–Con.

[Includes U.S., states, and 3,142 counties/county equivalents defined as of January 1, 1992. For changes to these areas since January 1, 1992, see appendix B. Geographic Information]

County	Maunfacturing (NAICS 31-33), 1997								Water use per day,[3] 1995					
	Establishments		All employees		Production workers				Withdrawals					
											By selected major use– (mil. gal.)			
	Total	Percent with 20 or more employees	Number[1]	Annual payroll (mil. dol.)	Number[2]	Wages (mil. dol.)	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)	Total (mil. gal.)	Percent ground water	Irrigation	Public supply	Industrial	Consumptive use (mil. gal.)
WISCONSIN—Con.														
Lafayette	21	47.6	661	14.5	603	11.8	54.1	134.5	3	94.9	Z	1	–	2
Langlade	39	41.0	1 493	35.9	1 232	25.0	89.5	184.0	13	83.3	4	1	Z	5
Lincoln	63	36.5	3 637	101.2	2 922	71.9	261.9	532.4	11	32.0	Z	2	7	2
Manitowoc	180	50.6	13 474	407.2	10 278	269.1	1 111.2	2 134.1	1 261	.5	Z	11	2	16
Marathon	232	42.2	16 839	502.6	13 422	354.8	1 295.2	3 181.9	183	13.1	1	15	29	13
Marinette	82	37.8	6 766	217.9	5 215	152.6	489.6	1 139.1	22	45.2	2	4	12	6
Marquette	24	50.0	996	27.3	815	16.1	69.4	135.8	2	96.9	Z	Z	Z	Z
Menominee	6	66.7	705	16.6	463	9.1	23.6	51.0	Z	92.9	Z	Z	–	Z
Milwaukee	1 463	38.0	86 933	3 213.2	60 161	1 920.8	8 383.2	16 535.5	1 974	.4	Z	171	12	42
Monroe	58	34.5	3 397	79.9	2 601	54.3	291.9	745.0	6	98.0	Z	3	Z	2
Oconto	61	42.6	2 445	56.6	2 048	36.8	135.5	297.7	6	79.1	2	1	1	3
Oneida	68	22.1	2 526	78.3	2 163	62.5	182.8	395.3	33	13.4	Z	3	28	6
Outagamie	303	41.9	21 410	750.7	15 718	490.8	2 319.3	5 315.4	68	30.3	Z	16	46	11
Ozaukee	242	41.3	13 420	485.8	9 040	267.2	1 463.8	2 763.1	224	3.4	Z	6	Z	4
Pepin	NA	NA	NA	NA	NA	NA	NA	NA	1	97.9	1	Z	–	1
Pierce	40	30.0	942	24.7	715	16.4	92.5	216.7	4	97.2	Z	2	Z	2
Polk	95	42.1	3 912	90.7	3 010	59.2	270.5	628.1	5	97.3	Z	2	Z	2
Portage	83	36.1	5 534	178.3	4 609	133.5	683.6	1 265.8	85	91.0	58	8	16	57
Price	46	39.1	2 957	91.7	2 168	59.5	232.8	449.6	9	22.3	Z	1	7	2
Racine	379	37.2	18 869	664.1	13 445	393.0	3 236.9	5 229.5	38	29.5	1	28	3	7
Richland	26	34.6	1 851	52.7	1 464	32.8	140.1	373.3	3	97.1	Z	1	Z	1
Rock	234	34.6	19 547	785.3	15 128	553.5	3 905.9	10 105.6	152	19.2	3	21	2	9
Rusk	30	43.3	1 722	41.0	1 392	30.9	84.2	203.1	4	68.5	1	1	1	2
St. Croix	150	34.0	5 867	174.3	4 387	106.8	399.7	827.0	8	98.6	Z	3	2	2
Sauk	114	43.9	6 570	180.8	5 245	130.0	511.3	1 121.2	13	98.9	Z	6	4	3
Sawyer	39	28.2	859	22.4	695	16.2	60.7	137.3	2	99.3	Z	Z	Z	Z
Shawano	67	34.3	1 985	51.0	1 539	33.8	131.1	330.3	6	96.0	Z	3	Z	2
Sheboygan	239	49.0	20 047	628.3	14 618	383.8	2 035.0	4 252.7	465	2.0	Z	19	1	9
Taylor	43	37.2	2 987	83.8	2 383	59.4	178.3	592.7	2	96.8	Z	1	–	1
Trempealeau	62	38.7	4 678	121.8	3 782	76.0	258.3	799.9	6	96.1	Z	2	Z	2
Vernon	37	32.4	970	20.7	823	15.4	86.7	168.1	201	2.9	Z	1	–	4
Vilas	NA	NA	NA	NA	NA	NA	NA	NA	1	100.0	Z	Z	Z	Z
Walworth	218	41.7	10 377	311.7	7 685	185.5	771.0	1 496.2	15	99.2	Z	7	1	3
Washburn	35	20.0	793	17.1	676	11.8	39.7	94.7	2	98.4	1	1	–	1
Washington	321	39.3	15 660	499.2	11 444	307.9	1 234.3	2 360.2	13	99.5	Z	9	Z	3
Waukesha	1 148	40.4	49 130	1 760.3	34 599	1 051.1	4 944.8	9 434.6	43	80.6	2	25	10	9
Waupaca	105	38.1	5 995	176.0	4 999	130.8	586.7	1 235.3	10	98.6	1	6	Z	3
Waushara	32	28.1	746	14.9	658	11.1	38.8	79.2	26	99.9	24	Z	–	22
Winnebago	316	52.5	27 191	976.5	19 575	642.6	2 873.8	6 026.6	69	19.2	Z	20	45	9
Wood	117	38.5	9 421	363.3	7 764	268.2	996.7	2 535.6	122	9.1	1	7	111	18
WYOMING	503	17.9	8 448	256.4	6 426	174.8	1 031.1	2 955.1	7 059	4.8	6 595	90	3	2 809
Albany	33	18.2	531	13.5	412	9.4	46.6	89.1	180	2.4	172	6	Z	105
Big Horn	NA	NA	NA	NA	NA	NA	NA	NA	741	.9	735	2	Z	239
Campbell	NA	NA	NA	NA	NA	NA	NA	NA	61	78.8	–	4	Z	25
Carbon	NA	NA	NA	NA	NA	NA	NA	NA	787	.9	777	3	Z	182
Converse	NA	NA	NA	NA	NA	NA	NA	NA	226	4.2	41	2	Z	27
Crook	NA	NA	NA	NA	NA	NA	NA	NA	46	17.5	38	Z	Z	16
Fremont	41	7.3	([4])	D	D	D	D	D	594	.8	586	4	Z	422
Goshen	NA	NA	NA	NA	NA	NA	NA	NA	166	26.8	158	3	Z	86
Hot Springs	NA	NA	NA	NA	NA	NA	NA	NA	205	3.8	202	1	Z	50
Johnson	NA	NA	NA	NA	NA	NA	NA	NA	300	.7	296	1	Z	64
Laramie	48	35.4	1 349	45.2	985	28.4	173.8	606.3	113	61.9	90	20	–	82
Lincoln	20	35.0	579	17.4	424	12.1	139.3	200.8	499	2.5	483	3	Z	202
Natrona	91	17.6	1 440	40.7	1 165	28.7	92.2	328.3	193	10.7	163	11	1	61
Niobrara	NA	NA	NA	NA	NA	NA	NA	NA	28	99.0	27	1	Z	21
Park	41	17.1	524	13.9	388	7.6	37.9	66.1	869	.8	857	4	Z	402
Platte	NA	NA	NA	NA	NA	NA	NA	NA	130	17.0	110	2	Z	87
Sheridan	NA	NA	NA	NA	NA	NA	NA	NA	857	.4	847	5	Z	166
Sublette	NA	NA	NA	NA	NA	NA	NA	NA	449	.3	446	1	Z	319
Sweetwater	29	20.7	696	36.1	471	23.9	290.3	458.2	74	7.5	40	8	–	42
Teton	NA	NA	NA	NA	NA	NA	NA	NA	89	3.8	85	3	Z	27
Uinta	NA	NA	NA	NA	NA	NA	NA	NA	180	1.2	176	2	Z	107
Washakie	NA	NA	NA	NA	NA	NA	NA	NA	259	4.0	256	2	Z	73
Weston	NA	NA	NA	NA	NA	NA	NA	NA	14	44.6	8	2	Z	4

[1] Average number of production workers plus the number of other (nonproduction) employees for the pay period including March 12. [2] Average number of production workers for the pay periods including the 12th of March, May, August, and November. [3] In millions of gallons per day. [4] 500 to 999 employees.

Sources: Manufacturing—U.S. Census Bureau, 1997 Economic Census – Manufacturing, generated by Statistical Compendia Branch, using American Factfinder at <http://www.census.gov/>, (June 2000) [related Internet site <http://www.census.gov/epcd/www/97EC31.HTM>]. Water Use—U.S. Geological Survey, "Water Use in the United States," individual state/county and US by state files from <http://water.usgs.gov/watuse/spread95.html>, (accessed: September 1999).