



U.S. Bureau of Mines



MINERAL INDUSTRY SURVEYS

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Cement Monthly

CEMENT IN AUGUST 1988

Portland cement shipments in the United States and Puerto Rico were 9.32 million short tons in August, according to the Bureau of Mines, U.S. Department of the Interior. This was 9% above shipments in August 1987. Cumulative shipments through August 1988, 59 million tons, were slightly above cumulative shipments through August 1987.

The leading portland cement producing States (California, Texas, Pennsylvania, Michigan, and Missouri) shipped 38% of the August total. California, Texas, Florida, Illinois, and Pennsylvania, the leading consuming states, received 36% of total shipments.

Masonry cement shipments of 366,000 tons in August were 6% above shipments in August, 1987. The leading producing States or districts (Pennsylvania, Indiana, Kentucky-Virginia-West Virginia, Michigan, and Florida) shipped 47% of the total and leading consuming States (Florida, North Carolina, Virginia, Ohio, and Georgia) received 38% of total shipments. Cumulative shipments through August 1988, 2.5 million tons, were 3% less than cumulative shipments through August 1987.

Tables 5, 6, and 7 contain July import data as reported by the Bureau of the Census which were not available for publication in the July report. July imports of 1.6 million tons were 14% below imports in July 1987. Cumulative imports through July of 9.6 million tons, were 3% below cumulative imports through July 1987.

TABLE 1. - CEMENT SHIPMENTS BY PRODUCING DISTRICTS FOR MONTH OF AUGUST, 1988

DISTRICT	FINISHED PORTLAND CEMENT (SHORT TONS)		PREPARED MASONRY CEMENT (SHORT TONS)	
	AUGUST	YEAR TO DATE	AUGUST	YEAR TO DATE
NEW YORK, MAINE	329,394	2,258,549	15,172	91,728
PENNSYLVANIA EASTERN	483,512	3,078,867	29,956	200,077
PENNSYLVANIA WESTERN	189,906	934,339	10,944	63,325
MARYLAND	139,255	1,137,147	8,994	66,210
OHIO	165,487	938,311	13,125	90,267
MICHIGAN	646,218	3,143,759	32,040	175,527
INDIANA	260,688	1,506,837	40,494	269,746
ILLINOIS	242,173	1,311,770	3/	3/
GEORGIA, TENNESSEE	229,139	1,560,033	21,705	149,201
SOUTH CAROLINA	236,798	1,624,645	3/	3/
KENTUCKY, VIRGINIA, WEST VIRGINIA	255,644	1,573,380	32,980	214,104
FLORIDA	336,124	2,409,583	25,008	205,508
NEBRASKA, WISCONSIN	107,613	457,180	911	5,741
ALABAMA	336,313	2,445,450	24,692	175,799
ARKANSAS, LOUISIANA, MISSISSIPPI	135,156	948,589	5,949	38,639
UTAH	83,988	527,962	172	902
SOUTH DAKOTA	66,735	372,229	437	2,541
IOWA	306,380	1,334,216	5,701	32,655
MISSOURI	500,015	2,973,885	16,831	110,373
KANSAS	145,791	919,250	4,577	32,104
OKLAHOMA	139,077	919,872	4,159	28,537
TEXAS NORTHERN	375,359	2,576,313	7,543	55,071
TEXAS SOUTHERN	362,181	2,556,553	5,362	37,593
IDAHO, MONTANA	109,924	586,039	244	2,153
COLORADO, WYOMING	148,124	798,815	3/	3/
ALASKA, OREGON	61,214	378,707	11	80
ARIZONA, NEVADA, NEW MEXICO	185,665	1,471,799	7,146	48,046
CALIFORNIA NORTHERN	345,638	2,073,232	3/	3/
CALIFORNIA SOUTHERN	681,846	4,925,220	865	6,569
HAWAII	32,374	236,844	661	3,774
WASHINGTON	68,692	489,680		
PUERTO RICO	119,505	940,803		
U.S. TOTAL.....	7,825,928	49,409,808	341,970	2,302,593
FOREIGN IMPORTS.....4/	1,492,146	9,598,185	24,297	177,578
TOTAL SHIPMENTS.....	9,318,074	59,007,993	366,267	2,480,171

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
- 2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT
- 3/ WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY PROPRIETARY DATA; INCLUDED IN TOTALS
- 4/ AS REPORTED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS. SOURCE OF IMPORTS WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY DATA.

TABLE 2. - CEMENT SHIPMENTS BY DESTINATION FOR MONTH OF AUGUST ,1988 1/,2/

STATE	FINISHED PORTLAND CEMENT (SHORT TONS)3/		PREPARED MASONRY CEMENT (SHORT TONS)	
	AUGUST	YEAR TO DATE	AUGUST	YEAR TO DATE
ALABAMA	129,176	934,360	11,390	78,113
ALASKA	9,020	46,219	5/	5/
ARIZONA	177,530	1,453,430	5/	5/
ARKANSAS	66,595	454,594	4,182	26,097
CALIFORNIA NORTHERN	406,127	2,582,375	5/	5/
CALIFORNIA SOUTHERN	797,545	5,697,072	5/	5/
COLORADO	114,561	638,095	1,386	8,883
CONNECTICUT 4/	101,606	640,514	2,374	15,582
DELAWARE 4/	28,981	165,492	1,602	10,027
DISTRICT OF COLUMBIA 4/	18,419	127,282	121	322
FLORIDA	641,795	4,718,945	47,204	363,735
GEORGIA	295,842	2,133,432	21,495	159,381
HAWAII	32,874	236,928	865	6,569
IDAHO	34,973	199,049	36	253
ILLINOIS	151,541	786,338	2,973	18,813
CHICAGO METROPOLITAN 4/	273,830	1,433,223	7,297	44,513
INDIANA	204,125	1,113,299	10,434	65,405
IOWA	164,720	766,908	1,250	7,919
KANSAS	136,453	770,354	1,991	13,986
KENTUCKY	128,151	706,918	9,288	60,304
LOUISIANA	152,702	1,096,551	3,547	24,861
MAINE	39,289	231,396	1,289	7,962
MARYLAND	162,323	1,102,570	15,467	106,189
MASSACHUSETTS 4/	144,523	939,577	4,778	31,462
MICHIGAN	333,437	1,726,663	15,425	96,217
MINNESOTA 4/	195,683	933,031	5,711	32,204
MISSISSIPPI	75,308	520,763	5,175	31,845
MISSOURI	245,236	1,436,077	4,955	32,670
MONTANA	19,034	111,125	100	659
NEBRASKA	101,993	476,931	1,017	6,213
NEVADA	104,482	734,926	16	122
NEW HAMPSHIRE 4/	33,575	204,203	1,314	8,171
NEW JERSEY 4/	173,145	1,117,376	8,139	55,084
NEW MEXICO	46,972	345,797	531	3,903
NEW YORK EASTERN	65,594	397,417	4,432	27,695
NEW YORK WESTERN	127,449	681,442	6,172	36,140
NEW YORK METROPOLITAN 4/	194,943	1,221,589	5,398	33,874
NORTH CAROLINA 4/	219,423	1,425,221	25,613	183,211
NORTH DAKOTA 4/	28,003	145,264	544	2,532
OHIO	384,423	2,141,829	21,724	129,064
OKLAHOMA	107,048	698,165	2,932	20,656
OREGON	94,893	530,964	43	193
PENNSYLVANIA EASTERN	247,396	1,511,443	9,956	63,352
PENNSYLVANIA WESTERN	153,417	775,020	8,365	50,723
PUERTO RICO	119,505	940,803		
RHODE ISLAND 4/	20,389	133,084	736	4,711
SOUTH CAROLINA	110,270	802,013	18,049	97,188
SOUTH DAKOTA	38,527	162,879	531	2,847
TENNESSEE	176,994	1,110,985	18,177	120,774
TEXAS NORTHERN	320,709	2,365,932	7,511	58,561
TEXAS SOUTHERN	361,555	2,744,444	6,672	44,012
UTAH	72,194	408,083	158	898
VERMONT 4/	25,985	133,065	660	3,924
VIRGINIA	256,483	1,688,313	22,537	152,353
WASHINGTON	127,246	816,951	681	4,340
WEST VIRGINIA	42,065	251,594	3,449	20,566
WISCONSIN	222,697	1,036,563	5,016	31,033
WYOMING	38,521	186,733	101	517
U.S. POSS. AND TERR.	5/	5/	5/	5/
FOREIGN COUNTRIES 6/	21,279	116,384	10,458	73,543
TOTAL SHIPMENTS.....	9,318,074	59,007,993	366,267	2,480,171

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
- 2/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.
- 3/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT.
- 4/ HAS NO CEMENT PRODUCING PLANTS.
- 5/ INCLUDED WITH FOREIGN COUNTRIES TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY CONFIDENTIAL DATA.
- 6/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOT-NOTE 5/.

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF AUGUST 1/ 2/ PAGE 1
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		1987	-PERCENT CHANGE FROM--	
								QTY.	YR		---CURRENT YEAR TO----	RECORD YEAR
ALABAMA	116	110	132	119	119	119	129	151	78	8.4	8.4	-14.6
ALASKA	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
ARIZONA	143	159	179	179	194	171	178	194	87	-8.2	4.1	-8.2
ARKANSAS	76	78	87	76	72	78	67	108	77	-6.9	-14.1	-38.0
CALIFORNIA NORTHERN	307	337	339	339	340	332	406	406	88	19.4	22.3	0.0
CALIFORNIA SOUTHERN	433	510	623	693	720	596	798	798	88	10.8	33.9	0.0
COLORADO	201	187	179	142	106	163	115	201	83	8.5	-29.4	-42.8
CONNECTICUT 3/	70	86	86	99	103	89	102	103	87	-1.0	14.6	-1.0
DELAWARE 3/	17	21	19	21	24	20	29	29	88	20.8	45.0	0.0
DISTRICT OF COLUMBIA 3/	11	12	10	13	13	12	18	33	75	38.5	50.0	-45.5
FLORIDA	427	506	497	522	569	504	642	642	88	12.8	27.4	0.0
GEORGIA	232	259	275	268	298	266	296	298	87	-0.7	11.3	-0.7
HAWAII	18	17	19	28	26	22	32	46	73	23.1	45.5	-30.4
IDAHO	37	41	29	42	26	35	35	84	76	34.6	0.0	-58.3
ILLINOIS	275	351	315	425	330	339	425	576	74	28.8	25.4	-26.2
INDIANA	154	162	165	191	178	170	204	296	67	14.6	20.0	-31.1
IOWA	190	206	164	161	131	170	165	307	78	26.0	-2.9	-46.3
KANSAS	117	145	145	110	130	129	136	158	79	4.6	5.4	-13.9
KENTUCKY	99	134	111	114	112	114	128	171	68	14.3	12.3	-25.1
LOUISIANA	219	244	235	192	146	207	153	294	79	4.8	-26.1	-48.0
MAINE	30	33	35	35	38	34	39	44	76	2.6	14.7	-11.4
MARYLAND	137	140	143	146	162	146	162	167	72	0.0	11.0	-3.0
MASSACHUSETTS 3/	116	150	148	158	138	141	145	171	72	5.1	2.8	-15.2
MICHIGAN	204	241	260	309	309	265	333	439	73	7.8	25.7	-24.1
MINNESOTA 3/	161	158	158	192	185	171	196	259	71	5.9	14.6	-24.3
MISSISSIPPI	72	75	73	80	71	74	75	110	79	5.6	1.4	-31.8
MISSOURI	193	217	184	245	197	207	245	270	71	24.4	18.4	-9.3
MONTANA	35	31	24	33	25	30	19	63	70	-24.0	-36.7	-69.8
NEBRASKA	112	127	117	94	74	105	102	186	73	37.8	-2.9	-45.2
NEVADA	47	50	70	58	71	59	104	104	88	46.5	76.3	0.0
NEW HAMPSHIRE 3/	29	38	42	38	32	36	34	42	85	6.3	-5.6	-19.0
NEW JERSEY 3/	142	185	171	180	175	171	173	255	72	-1.1	1.2	-32.2
NEW MEXICO	55	55	58	47	46	52	47	62	77	2.2	-9.6	-24.2
NEW YORK EASTERN	45	59	73	76	81	67	66	126	79	-18.5	-1.5	-47.6
NEW YORK WESTERN	96	114	110	112	112	109	127	172	73	13.4	16.5	-26.2
NEW YORK METROPOLITAN 3/	139	144	161	181	170	159	195	196	68	14.7	22.6	-0.5
NORTH CAROLINA	181	177	168	154	188	174	219	219	88	16.5	25.9	0.0
NORTH DAKOTA 3/	36	72	57	56	44	53	28	78	77	-36.4	-47.2	-64.1
OHIO	308	313	314	358	338	326	384	515	67	13.6	17.8	-25.4
OKLAHOMA	182	166	130	96	97	134	107	188	79	10.3	-20.1	-43.1

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF AUGUST 1/ 2/ PAGE 2
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH- QTY.	YR	-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---		
										1987	5-YEAR AVG	RECORD YEAR
OREGON	81	85	88	69	81	81	95	109	79	17.3	17.3	-12.8
PENNSYLVANIA EASTERN	186	202	187	193	214	196	247	269	73	15.4	26.0	-8.2
PENNSYLVANIA WESTERN	122	122	139	142	168	139	153	211	67	-8.9	10.1	-27.5
RHODE ISLAND 3/	18	20	16	18	18	18	20	23	68	11.1	11.1	-13.0
SOUTH CAROLINA	87	92	92	80	107	92	110	110	88	2.8	19.6	0.0
SOUTH DAKOTA	51	32	49	63	40	47	39	70	79	-2.5	-17.0	-44.3
TENNESSEE	144	150	151	159	170	155	177	184	79	4.1	14.2	-3.8
TEXAS	918	1035	1034	777	732	899	682	1035	84	-6.8	-24.1	-34.1
UTAH	90	135	173	115	94	121	72	173	85	23.4	-40.5	-58.4
VERMONT 3/	17	20	22	19	16	19	26	26	88	62.5	36.8	0.0
VIRGINIA	170	203	214	194	236	203	256	256	88	8.5	26.1	0.0
WASHINGTON	116	135	146	123	133	131	127	180	66	-4.5	-3.1	-29.4
WEST VIRGINIA	48	39	46	49	53	47	42	95	73	-20.8	-10.6	-55.8
WISCONSIN	183	223	197	195	192	198	223	299	67	16.1	12.6	-25.4
WYOMING	51	60	65	55	65	59	39	71	76	-40.0	-33.9	-45.1
PUERTO RICO	81	93	85	99	107	93	120	186	73	12.1	29.0	-35.5
FOREIGN COUNTRIES	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
UNDISTRIBUTED 5/	55	52	40	29	25	40	30	90	75	20.0	-25.0	-66.7
TOTAL	7880	8809	8844	8760	8641	8587	9316	10004	73	7.8	8.5	-6.9

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.

2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT

3/ HAS NO CEMENT PRODUCING PLANT.

4/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY DATA.

5/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 4/.

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		-PERCENT CHANGE FROM-- ---CURRENT YEAR TO----		
								QTY.	YR	1987	5-YEAR AVG	RECORD YEAR
ALABAMA	10	8	10	10	12	10	11	14	78	-8.3	10.0	-21.4
ALASKA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARIZONA	3/	5	5	4	4	4	4	9	78	0.0	0.0	-55.6
ARKANSAS	4				4/			4/	87	0.0	0.0	0.0
CALIFORNIA NORTHERN	1	1	4/	4/	1	1	1	1	87	0.0	0.0	0.0
CALIFORNIA SOUTHERN	3	3	3	2	2	3	1	5	78	-50.0	-66.7	-80.0
COLORADO	1	2	2	2	2	2	2	2	86	0.0	0.0	0.0
CONNECTICUT 2/	1	1	1	1	1	1	2	2	88	100.0	100.0	0.0
DELAWARE 2/	4/	4/	4/		4/		4/	2	73	0.0	0.0	-100.0
DISTRICT OF COLUMBIA 2/	35	43	41	40	38	39	47	47	88	23.7	20.5	0.0
FLORIDA	18	19	22	21	22	20	21	24	73	-4.5	5.0	-12.5
GEORGIA	1	4/	1	1	1	1	1	1	73	0.0	0.0	0.0
HAWAII	4/	4/	4/	4/	4/		4/	4/	80	0.0	0.0	0.0
IDAHO	8	9	8	8	8	8	10	17	78	25.0	25.0	-41.2
ILLINOIS	8	9	8	10	10	9	10	16	78	0.0	11.1	-37.5
INDIANA	2	2	1	2	1	2	2	5	78	0.0	-50.0	-80.0
IOWA	2	2	2	2	2	2	2	4	78	0.0	0.0	-50.0
KANSAS	2	2	2	2	2	2	2	17	78	0.0	0.0	-47.1
KENTUCKY	9	10	8	9	9	9	9	10	78	33.3	-20.0	-60.0
LOUISIANA	7	7	6	4	3	5	4	10	78	0.0	0.0	-50.0
MAINE	1	1	1	1	1	1	1	2	73	0.0	0.0	0.0
MARYLAND	13	13	14	14	14	14	15	15	88	7.1	7.1	0.0
MASSACHUSETTS 2/	4	5	5	5	5	5	5	5	73	0.0	0.0	0.0
MICHIGAN	8	11	12	14	14	12	15	23	67	7.1	25.0	-34.8
MINNESOTA 2/	5	5	5	5	6	5	6	9	78	0.0	20.0	-33.3
MISSISSIPPI	5	6	5	5	4	5	5	8	78	25.0	0.0	-37.5
MISSOURI	4	5	4	4	5	4	5	7	78	0.0	25.0	-28.6
MISSOURI	4/	4/	4/	4/	4/		4/	1	77	0.0	0.0	-100.0
MONTANA	4/	2	1	1	1	1	1	2	78	0.0	0.0	-50.0
NEBRASKA	1			4/	4/		4/	4/	78	0.0	0.0	0.0
NEVADA	1	1	2	1	1	1	1	2	77	0.0	0.0	-50.0
NEW HAMPSHIRE 2/	1	8	8	8	8	8	8	9	73	0.0	0.0	-11.1
NEW JERSEY 2/	6	1	1	1	1	1	1	2	77	0.0	0.0	-50.0
NEW MEXICO	1	1	4	5	5	4	4	5	87	-20.0	0.0	-20.0
NEW YORK EASTERN	2	5	4	5	5	4	6	8	73	0.0	20.0	-25.0
NEW YORK WESTERN	4	5	5	6	6	5	5	5	87	0.0	0.0	0.0
NEW YORK METROPOLITAN 2/	5	5	5	5	5	5	5	5	87	0.0	0.0	0.0
NEW YORK METROPOLITAN 2/	21	22	23	21	25	22	26	26	73	4.0	18.2	0.0
NORTH CAROLINA	1	1	4/	1	4/	1	1	1	78	0.0	0.0	0.0
NORTH DAKOTA 2/	14	15	15	18	19	16	22	28	77	15.8	37.5	-21.4
OHIO	7	6	4	3	3	5	3	9	78	0.0	-40.0	-66.7
OKLAHOMA												

TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF AUGUST 1/ PAGE 6
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---			
								QTY.	YR	1987	5-YEAR AVG	RECORD YEAR	
OREGON	4/	4/	4/	4/	4/		4/	4/	78	0.0	0.0	0.0	0.0
PENNSYLVANIA EASTERN	6	6	7	7	9	7	10	10	88	11.1	42.9	0.0	0.0
PENNSYLVANIA WESTERN	7	7	9	9	9	8	8	13	78	-11.1	0.0	-38.5	0.0
RHODE ISLAND 2/	4/	1	4/	1	1	1	1	1	77	0.0	0.0	0.0	0.0
SOUTH CAROLINA	10	11	10	10	13	11	13	15	73	0.0	19.2	-13.3	0.0
SOUTH DAKOTA	4/	4/	4/	1	1	4/	1	1	73	0.0	0.0	0.0	0.0
TENNESSEE	15	13	15	17	18	16	18	23	78	0.0	12.5	-21.7	0.0
TEXAS	28	29	25	16	15	23	14	31	78	-6.7	-39.1	-54.8	0.0
UTAH	4/	4/	4/	4/	4/		4/	4/	79	0.0	0.0	0.0	0.0
VERMONT 2/	1	1	4/	1	1	1	1	1	73	0.0	0.0	0.0	0.0
VIRGINIA	16	16	17	19	21	18	23	24	73	9.5	27.8	-4.2	0.0
WASHINGTON	1	1	1	1	1	1	1	1	80	0.0	0.0	0.0	0.0
WEST VIRGINIA	3	4	3	3	4	3	3	7	78	-25.0	0.0	-57.1	0.0
WISCONSIN	4	5	5	5	5	5	5	9	78	0.0	0.0	-44.4	0.0
WYOMING	4/	4/	4/	4/	4/		4/	4/	78	0.0	0.0	0.0	0.0
PUERTO RICO									00	0.0	0.0	0.0	0.0
FOREIGN COUNTRIES	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	0.0	0.0
UNDISTRIBUTED 5/	8	9	9	8	8	8	9	9	88	12.5	12.5	0.0	0.0
TOTAL	312	341	333	332	345	333	363	442	78	5.2	9.0	-17.9	0.0

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.

2/ HAS NO CEMENT PRODUCING PLANT.

3/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY DATA.

4/ LESS THAN 1/2 UNIT.

5/ DIRECT SHIPMENTS BY PRODUCER TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 3/.

TABLE 5. HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
JULY 1988 BY COUNTRY AND CUSTOMS DISTRICT 3/
(SHORT TONS)

CUSTOMS DISTRICT	BAHAMAS	BARBADOS	BELGIUM, LUXEMBOURG	CANADA	COLOMBIA	DENMARK	FRANCE	GERMANY WEST
ANCHORAGE, ALASKA				800				
BALTIMORE, MD.								
BOSTON, MASS.								
BUFFALO, N.Y.				93,490				1
CHARLESTON, S.C.								
CHICAGO, ILL.				4,774				
CLEVELAND, OHIO				101,613				
DETROIT, MICH.				19,158				
DULUTH, MINN.								
EL PASO, TEX.								
GREAT FALLS, MONT.								
HONOLULU, HAWAII								
HOUSTON, TEX.								
LAREDO, TEX.								
LOS ANGELES, CALIF.					2,034		390	
MIAMI, FLA.								
MOBILE, ALA.								
NEW ORLEANS, LA.							22,019	
NEW YORK CITY, N.Y.							42,335	
NOGALES, ARIZ.								
NORFOLK, VA.							15,603	
OGDENSBURG, N.Y.				27,659				
PENBINA, N. DAK.				15,450				
PHILADELPHIA, PA.				1,224				1
PORTLAND, MAINE								
PORTLAND, OREG.					19,587			
PROVIDENCE, R.I.								
SAN DIEGO, CALIF.								
SAN FRANCISCO, CALIF.								
SAN JUAN, P.R.			554					
SAVANNAH, GA.				47,165				
SEATTLE, WASH.				58,984				
ST. ALBANS, VT.								
TAMPA, FLA.								
VIRGIN ISLANDS OF U.S.		352					9,151	
WILMINGTON, N.C.					14,257		36,545	
JULY:								
QUANTITY 4/	352	554	554	370,317	80,049	11,185	116,892	2
VALUE 5/	\$19,053	\$63,603	\$63,603	\$14,609,650	\$2,915,718	\$928,329	\$7,163,617	\$6,413
YEAR-TO-DATE:								
QUANTITY 4/	6,335	704	5,847	1,939,410	338,514	53,216	425,570	101
VALUE 5/	\$268,438	\$52,159	\$624,601	\$78,716,295	\$12,153,225	\$4,728,573	\$20,018,704	\$98,101

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
JULY 1988 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	---GREECE---	--HONDURAS--	-----ITALY----	-----JAPAN----	KOREA, LEEWARD AND-- REPUBLIC OF- WINDWARD----	---MEXICO--- --MOROCCO--
ANCHORAGE, ALASKA-----						
BALTIMORE, MD.-----	12,676					
BOSTON, MASS.-----	6,937					
BUFFALO, N.Y.-----						
CHARLESTON, S.C.-----						
CHICAGO, ILL.-----						
CLEVELAND, OHIO-----						
DETROIT, MICH.-----						
DULUTH, MINN.-----						
EL PASO, TEX.-----						21,208
GREAT FALLS, MONT.-----						
HONOLULU, HAWAII-----						
HOUSTON, TEX.-----						16,161
LAREDO, TEX.-----				120,173		14,154
LOS ANGELES, CALIF.-----						48,655
MIAMI, FLA.-----	57,306					28,698
MOBILE, ALA.-----						26,074
NEW ORLEANS, LA.-----						40,704
NEW YORK CITY, N.Y.-----	58,290					
NOGALES, ARIZ.-----	8,921					
NORFOLK, VA.-----						
OGDENSBURG, N.Y.-----						
PEMBINA, N. DAK.-----						
PHILADELPHIA, PA.-----	20,859					
PORTLAND, MAINE-----				24,306		37,183
PORTLAND, ORE.-----						33,392
PROVIDENCE, R.I.-----						
SAN DIEGO, CALIF.-----						
SAN FRANCISCO, CALIF.-----						
SAN JUAN, P.R.-----		8,780				
SAVANNAH, GA.-----						
SEATTLE, WASH.-----				20,137		
ST. ALBANS, VT.-----						99,336
TAMPA, FLA.-----	3,202					
VIRGIN ISLANDS OF U.S.-----						
WILMINGTON, N.C.-----						
JULY:						
QUANTITY 4/-----	168,191	8,780		164,616		365,565
VALUE 5/-----	\$5,587,653	\$450,601		\$5,046,518		\$10,727,249
YEAR-TO-DATE:						
QUANTITY 4/-----	1,293,124	24,215	7	1,068,469	290,573	2,732,803
VALUE 5/-----	\$43,412,264	\$878,326	\$2,557	\$35,027,391	\$8,247,030	\$6,848 \$2,600,780
						88 \$4,408

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
JULY 1988 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT		UNITED					
		NETHERLANDS	PANAMA	SPAIN	SWEDEN	VENEZUELA	YUGOSLAVIA
ANCHORAGE, ALASKA-----							
BALTIMORE, MD.-----							
BOSTON, MASS.-----						15,000	
BUFFALO, N.Y.-----							
CHARLESTON, S.C.-----				47,396			
CHICAGO, ILL.-----		8					
CLEVELAND, OHIO-----							
DETROIT, MICH.-----							
DULUTH, MINN.-----							
EL PASO, TEX.-----							
GREAT FALLS, MONT.-----							
HONOLULU, HAWAII-----							
HOUSTON, TEX.-----							
LAREDO, TEX.-----							
LOS ANGELES, CALIF.-----				1,560		220	19
MIAMI, FLA.-----				55,121			
MOBILE, ALA.-----							
NEW ORLEANS, LA.-----							
NEW YORK CITY, N.Y.-----							
NOGALES, ARIZ.-----							
NORFOLK, VA.-----						13,898	
OGDENSBURG, N.Y.-----							
PEMBINA, N. DAK.-----							
PHILADELPHIA, PA.-----				22,097			
PORTLAND, MAINE-----							
PORTLAND, OREG.-----				33,348			
PROVIDENCE, R.I.-----							
SAN DIEGO, CALIF.-----							
SAN FRANCISCO, CALIF.-----							21
SAN JUAN, P.R.-----							
SAVANNAH, GA.-----							
SEATTLE, WASH.-----							
ST. ALBANS, VT.-----							
TAMPA, FLA.-----				37,212	1,070	46,613	
VIRGIN ISLANDS OF U.S.-----						2,891	
WILMINGTON, N.C.-----							
JULY:							
QUANTITY 4/-----		8		196,734	1,070	15,000	40
VALUE 5/-----		\$6,229		\$5,693,981	\$46,309	\$745,878	\$14,526
YEAR-TO-DATE:							
QUANTITY 4/-----		101	567	1,004,672	1,070	20,120	319
VALUE 5/-----		\$98,291	\$31,198	\$36,919,959	\$46,309	\$985,258	\$116,784

TABLE 5/ HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
JULY 1988 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	-----T O T A L 4/-----	
	-----JULY-----	-----TO DATE-----
ANCHORAGE, ALASKA-----	800	20,008
BALTIMORE, MD.-r-----	12,676	139,157
BOSTON, MASS.-r-----	21,937	171,945
BUFFALO, N.Y.-r-----	93,490	557,945
CHARLESTON, S.C.-r-----	47,405	133,828
CHICAGO, ILL.-r-----		61
CLEVELAND, OHIO-r-----	4,774	75,319
DETROIT, MICH.-r-----	101,613	358,273
DULUTH, MINN.-r-----	19,158	80,169
EL PASO, TEX.-r-----	21,208	256,471
GREAT FALLS, MONT.-r-----		81
HONOLULU, HAWAII-r-----		96,694
HOUSTON, TEX.-r-----		177,712
LAREDO, TEX.-r-----	16,161	142,487
LOS ANGELES, CALIF.-r-----	120,582	960,629
MIAMI, FLA.-r-----	75,274	768,116
MOBILE, ALA.-r-----	48,655	309,277
NEW ORLEANS, LA.-r-----	105,838	724,449
NEW YORK CITY, N.Y.-r-----	126,699	692,851
NOGALES, ARIZ.-r-----	40,704	241,097
NORFOLK, VA.-r-----	38,422	274,470
OGDENSBURG, N.Y.-r-----	27,659	145,889
PENBINA, N. DAK.-r-----	15,450	81,599
PHILADELPHIA, PA.-r-----	42,957	149,473
PORTLAND, MAINE-r-----	1,224	9,721
PORTLAND, OREG.-r-----	24,306	103,099
PROVIDENCE, R.I.-r-----	52,935	165,656
SAN DIEGO, CALIF.-r-----	37,183	363,119
SAN FRANCISCO, CALIF.-r-----	33,413	189,590
SAN JUAN, P.R.-r-----	9,334	57,734
SAVANNAH, GA.-r-----	9,470	53,156
SEATTLE, WASH.-r-----	67,302	450,033
ST. ALBANS, VT.-r-----	58,984	280,385
TAMPA, FLA.-r-----	269,864	1,301,964
VIRGIN ISLANDS OF U.S.-r-----	3,243	49,761
WILMINGTON, N.C.-r-----	14,257	52,467

JULY:
QUANTITY 4/----- 1,562,977
VALUE 5/----- \$56,355,289

YEAR-TO-DATE:
QUANTITY 4/----- 9,634,685
VALUE 5/----- \$339,711,362

W WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.
1/ INCLUDES WHITE CEMENT AS SHOWN IN TABLE 6.
2/ INCLUDES CLINKER AS SHOWN IN TABLE 7.
3/ INCLUDES PUERTO RICO.
4/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.
5/ VALUE=CIF (COST, INSURANCE AND FREIGHT).
SOURCE: U.S. BUREAU OF THE CENSUS.

TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
JULY 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	---BAHAMAS---	--BARBADOS--	BELGIUM, -LUXEMBOURG-	---CANADA---	--COLOMBIA--	---DENMARK--	---MEXICO---	-----SPAIN----
BUFFALO, N.Y.				W				
DETROIT, MICH.				W			780	
EEL PASO, TEX.								
HOUSTON, TEX.								
LAREDO, TEX.							1,150	
LOS ANGELES, CALIF.					W			
MIAMI, FLA.								
NEW YORK CITY, N.Y.								
NOGALES, ARIZ.							23	
NORFOLK, VA.								
OGDENSEBURG, N.Y.								
PHILADELPHIA, PA.								
SAN DIEGO, CALIF.			554				2,118	
SAN JUAN, P.R.								
SAVANNAH, GA.					W			
TAMPA, FLA.								
VIRGIN ISLANDS OF U.S.		352						
JULY:								
QUANTITY 3/-----		352	554	W		11,185	4,071	
VALUE 4/-----		\$19,053	\$63,603	W		\$928,329	\$484,342	
YEAR-TO-DATE:								
QUANTITY 3/-----	3,176	704	5,847	W	1,535	53,216	46,031	21,801
VALUE 4/-----	\$134,511	\$52,159	\$624,601	W	\$63,200	\$4,728,573	\$3,035,306	\$3,512,914

JULY:

YEAR-TO-DATE:

TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
JULY 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	---VENEZUELA---	-----T O T A L 3/-----	---TO DATE---
BUFFALO, N.Y.-----	W	W	W
DETROIT, MICH.-----	W	W	W
EL PASO, TEX.-----	780		5,090
HOUSTON, TEX.-----			14,131
LAREDO, TEX.-----	1,150		10,128
LOS ANGELES, CALIF.-----			7,713
MIAMI, FLA.-----	W	W	W
NEW YORK CITY, N.Y.-----			10,266
NOGALES, ARIZ.-----	23		23
NORFOLK, VA.-----			15,624
OGDENSBURG, N.Y.-----			51
PHILADELPHIA, PA.-----			3,619
SAN DIEGO, CALIF.-----	2,118		9,263
SAN JUAN, P.R.-----	554		11,945
SAVANNAH, GA.-----	W		13,869
TAMPA, FLA.-----			W
VIRGIN ISLANDS OF U.S.-----	352		4,062

JULY:

QUANTITY 3/----- 27,339
VALUE 4/----- \$2,581,914

YEAR-TO-DATE:

QUANTITY 3/----- 14,271
VALUE 4/----- \$539,705

217,369
\$19,908,195

W Withheld To Avoid Disclosing Company Proprietary Data.

1/ DATA INCLUDED IN TABLE 5.

2/ INCLUDES PUERTO RICO.

3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).

SOURCE: U.S. BUREAU OF THE CENSUS.

TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
JULY 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	---CANADA---	--COLOMBIA--	---FRANCE---	---GREECE---	-----JAPAN-----	---MEXICO---	---PANAMA---	-----SPAIN---
CHARLESTON, S.C.-----								47,396
DETROIT, MICH.-----	79,028							
HONOLULU, HAWAII-----								
LAREDO, TEX.-----						1,532		
MOBILE, ALA.-----						48,655		
NEW ORLEANS, LA.-----			10,392					
NORFOLK, VA.-----			13,417					
OGDENSBURG, N.Y.-----								
PORTLAND, MAINE-----								
SAN JUAN, P.R.-----								
SEATTLE, WASH.-----								
TAMPA, FLA.-----			36,545					37,212
JULY:								
QUANTITY 3/-----	79,028		60,354			50,187		84,608
VALUE 4/-----	\$2,578,053		\$2,918,140			\$1,039,803		\$2,225,175
YEAR-TO-DATE:								
QUANTITY 3/-----	225,123	17,097	197,252	52,641	84,569	302,982	567	225,335
VALUE 3/-----	\$7,384,872	\$535,095	\$8,094,713	\$1,101,015	\$2,544,500	\$6,718,777	\$31,198	\$7,589,433

TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
JULY 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	UNITED STATES		TOTAL	
	---KINGDOM---	-----JULY-----	-----JULY-----	-----JULY-----
CHARLESTON, S.C.		47,396	133,819	
DETROIT, MICH.		79,028	200,810	
HONOLULU, HAWAII			84,569	
LAREDO, TEX.		1,532	18,616	
MOBILE, ALA.		48,655	309,277	
NEW ORLEANS, LA.		10,392	75,098	
NORFOLK, VA.		13,417	24,879	
OGDENSBURG, N.Y.			373	
PORTLAND, MAINE			2,387	
SAN JUAN, P.R.			17,097	
SEATTLE, WASH.			10,901	
TAMPA, FLA.		73,757	227,860	

JULY:

QUANTITY 3/	274,177
VALUE 4/	\$8,760,671

YEAR-TO-DATE:

QUANTITY 3/	120
VALUE 4/	\$29,380

QUANTITY 3/	1,105,686
VALUE 4/	\$34,028,983

W WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.

1/ DATA INCLUDED IN TABLE 5.

2/ INCLUDES PUERTO RICO.

3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).

SOURCE: U.S. BUREAU OF THE CENSUS.

Table 8.--Salient cement statistics

Year or month	Thousand short tons					Average price 5/ (current \$/s.t.)
	Ship- ments 1/ 2/	Produc- tion 1/	Imports 3/	Exports	Invento- ries 4/	
1962	65,258	66,163	1,059	71	7,332	17.61
1963	68,666	69,260	758	86	7,425	17.17
1964	72,054	72,453	683	134	7,475	17.12
1965	73,637	73,103	1,035	141	6,193	16.90
1966	74,722	75,533	1,328	201	7,651	16.74
1967	73,371	72,539	1,112	184	7,807	16.87
1968	77,980	77,507	1,370	177	7,892	16.95
1969	80,319	78,375	1,821	111	7,129	17.20
1970	76,385	76,116	2,597	159	7,574	17.88
1971	82,397	80,317	3,088	125	6,425	19.01
1972	85,282	84,556	4,911	101	7,036	20.59
1973	90,727	87,573	6,686	825	5,557	22.23
1974	82,914	82,888	5,732	290	7,510	26.79
1975	70,684	69,721	3,702	494	6,923	31.41
1976	75,226	74,495	3,107	466	7,185	34.25
1977	81,614	80,060	4,038	239	6,074	36.76
1978	87,999	85,481	6,597	58	5,351	41.17
1979	87,153	85,904	9,412	151	6,637	46.61
1980	77,723	76,709	5,263	186	6,685	51.29
1981	72,974	72,932	3,997	303	7,408	52.46
1982	65,053	64,341	2,930	203	6,789	51.43
1983	71,865	71,347	4,268	118	6,743	50.45
1984	81,162	78,699	8,846	80	6,899	52.24
1985	84,004	78,859	14,487	98	7,267	51.87
1986	88,723	79,916	16,319	59	6,725	50.73
1987	90,427	79,501	17,726	52	6,193	49.76
1987:						
Jan	5,021	NA	827	3	NA	63.28
Feb	4,904	NA	934	3	NA	63.25
Mar	6,723	NA	1,560	4	NA	63.66
Apr	8,137	NA	1,349	5	NA	63.50
May	8,464	NA	1,745	5	NA	63.50
Jun	9,370	NA	1,712	6	NA	64.35
Jul	9,642	NA	1,817	5	NA	64.25
Aug	8,926	NA	1,820	5	NA	64.25
Sep	9,316	NA	1,718	7	NA	63.73
Oct	9,777	NA	1,633	5	NA	63.73
Nov	7,493	NA	1,380	3	NA	63.73
Dec	6,052	NA	1,260	2	NA	63.73
1988:						
Jan	4,110	NA	1,111	1	NA	64.08
Feb	5,165	NA	817	7	NA	64.07
Mar	7,180	NA	1,239	8	NA	64.44
Apr	7,826	NA	1,585	9	NA	65.01
May	8,873	NA	1,648	10	NA	65.02
Jun	9,799	NA	1,673	9	NA	66.39
Jul	8,557	NA	1,563	8	NA	65.45
Aug	9,684	NA	NA	NA	NA	65.48

NA = Not available.

1/Portland and masonry cement, and cement produced from imported clinker, for the 50 States and Puerto Rico.

2/Includes portland cement shipped by domestic producers and distributors.

3/Includes clinker.

4/Since 1973, annual data include Puerto Rico.

5/Annual: f.o.b. plant, Bureau of Mines annual canvass. Monthly: average of quotations for bulk cement in 20 cities, reported monthly in Engineering News Record.