



U.S. Bureau of Mines



MINERAL INDUSTRY SURVEYS

T S Ary, Director

Washington, DC 20241

For information call:
Wilton Johnson, (202) 634-1184
Howard Sullivan (data), (202) 634-1202

Cement Monthly

CEMENT IN SEPTEMBER 1988

Portland cement shipments in the United States and Puerto Rico were 8.95 million short tons in September, according to the Bureau of Mines, U.S. Department of the Interior. This was slightly below shipments in September 1987. Cumulative shipments through September 1988, 68.0 million tons, were slightly above cumulative shipments through September 1987.

The leading portland cement producing States (California, Pennsylvania, Michigan, Texas, and Missouri) shipped 38% of the September total. California, Florida, Texas, Illinois, and Pennsylvania, the leading consuming states, received 35% of total shipments.

Masonry cement shipments of 350,000 tons in September were 3% below shipments in September, 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 September 1988, 2.83 million tons, were 3% less than cumulative shipments through September 1987.

Tables 5, 6, and 7 contain August import data as reported by the Bureau of the Census which were not available for publication in the August report. August imports of 1.8 million tons were 4% below imports in August 1987. Cumulative imports through August of 11.4 million tons, were 3% below cumulative imports through August 1987.

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

DISTRICT	FINISHED PORTLAND CEMENT (SHORT TONS #2/		PREPARED MASONRY CEMENT (SHORT TONS)	
	SEPTEMBER	YEAR TO DATE	SEPTEMBER	YEAR TO DATE
NEW YORK, MAINE	342,317	2,600,866	15,624	107,352
PENNSYLVANIA EASTERN	481,797	3,560,664	29,657	229,734
PENNSYLVANIA WESTERN	391,540	1,125,879	10,434	73,759
MARYLAND	165,052	1,302,199	8,628	74,838
OHIO	178,710	1,117,021	14,271	104,538
MICHIGAN	654,927	3,798,686	26,711	202,238
INDIANA	264,974	1,771,811	38,679	308,425
ILLINOIS	231,930	1,543,700	3/	3/
GEORGIA, TENNESSEE	247,234	1,807,267	18,912	168,113
SOUTH CAROLINA	221,346	1,895,703	3/	3/
KENTUCKY, VIRGINIA, WEST VIRGINIA	227,333	1,800,713	32,093	246,197
FLORIDA	289,117	2,698,700	26,646	232,154
NEBRASKA, WISCONSIN	72,035	529,165	931	6,672
ALABAMA	294,445	2,739,895	24,217	200,016
ARKANSAS, LOUISIANA, MISSISSIPPI	316,718	1,065,307	5,190	43,829
UTAH	91,452	619,414	117	1,019
SOUTH DAKOTA	65,778	438,007	373	2,914
IOWA	253,184	1,587,400	5,047	37,702
MISSOURI	481,302	3,459,484	14,380	124,552
KANSAS	131,427	1,050,677	4,309	36,413
OKLAHOMA	146,554	1,066,426	3,512	32,049
TEXAS NORTHERN	342,910	2,919,223	6,890	61,961
TEXAS SOUTHERN	301,764	2,858,317	4,412	42,005
IDAHO, MONTANA	108,582	694,621	658	2,811
COLORADO, WYOMING	136,522	935,337	3/	3/
ALASKA, OREGON	53,344	432,051		80
ARIZONA, NEVADA, NEW MEXICO	192,130	1,663,929	6,988	55,034
CALIFORNIA NORTHERN	315,319	2,388,551		31
CALIFORNIA SOUTHERN	622,364	5,547,641	3/	3/
HAWAII	30,461	267,305	860	7,429
WASHINGTON	63,235	552,915	164	3,938
PUERTO RICO	116,984	1,057,362		

U.S. TOTAL..... 7,432,787 56,896,236 324,918 2,627,310

FOREIGN IMPORTS..... 1,512,601 11,072,397 25,151 202,670

TOTAL SHIPMENTS..... 8,945,388 67,968,633 350,069 2,829,980

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE YEAR-TO-DATE COLUMN.
- 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 SEPTEMBER, 1978 1/2/

STATE	FINISHED PORTLAND CEMENT (SHORT TONS) 3/		PREPARED MASONRY CEMENT (SHORT TONS)	
	SEPTEMBER	YEAR TO DATE	SEPTEMBER	YEAR TO DATE
ALABAMA	110,508	1,044,868	9,602	87,715
ALASKA	9,635	55,854	5/	5/
ARIZONA	174,981	1,628,059	5/	5/
ARKANSAS	66,830	523,837	3,525	29,622
CALIFORNIA NORTHERN	376,030	2,957,902	5/	5/
CALIFORNIA SOUTHERN	743,415	6,452,313	5/	5/
COLORADO	106,253	744,348	1,177	10,060
CONNECTICUT 4/	104,231	744,745	2,304	17,886
DELAWARE 4/	31,696	197,188	1,413	11,440
DISTRICT OF COLUMBIA 4/	19,787	147,069	120	442
FLORIDA	607,563	5,326,508	47,110	410,754
GEORGIA	273,818	2,407,250	19,401	178,782
HAWAII	30,461	267,389	860	7,429
IDAHO	46,619	245,668	29	282
ILLINOIS	151,916	936,201	3,262	22,075
CHICAGO METROPOLITAN 4/	276,810	1,710,033	6,851	51,364
INDIANA	204,285	1,317,584	10,053	75,458
IOWA	147,140	914,048	1,313	9,232
KANSAS	124,408	894,762	1,739	15,725
KENTUCKY	123,915	830,822	8,941	69,245
LOUISIANA	144,070	1,242,754	3,148	27,899
MAINE	45,600	276,996	1,315	9,277
MARYLAND	175,909	1,278,479	16,639	122,828
MASSACHUSETTS 4/	150,823	1,090,400	4,801	36,263
MICHIGAN	336,629	2,063,292	14,527	110,744
MINNESOTA 4/	191,429	1,124,460	4,817	37,021
MISSISSIPPI	65,926	587,760	4,261	36,106
MISSOURI	214,764	1,649,333	4,502	37,172
MONTANA	21,338	132,463	101	760
NEBRASKA	81,607	558,538	1,066	7,279
NEVADA	99,958	834,748	25	147
NEW HAMPSHIRE 4/	36,937	241,140	1,387	9,558
NEW JERSEY 4/	169,319	1,286,695	8,181	63,265
NEW MEXICO	41,413	387,328	501	4,409
NEW YORK EASTERN	70,777	468,194	4,339	32,034
NEW YORK WESTERN	133,830	815,272	6,022	42,162
NEW YORK METROPOLITAN 4/	200,438	1,422,027	5,116	38,990
NORTH CAROLINA 4/	205,097	1,630,318	24,520	207,731
NORTH DAKOTA 4/	22,740	168,004	482	3,014
OHIO	408,039	2,549,868	20,273	149,337
OKLAHOMA	91,433	789,598	2,528	23,184
OREGON	88,983	619,947	17	210
PENNSYLVANIA EASTERN	257,325	1,768,768	10,154	73,506
PENNSYLVANIA WESTERN	154,367	929,387	8,387	59,110
PUERTO RICO	116,984	1,057,362		
RHODE ISLAND 4/	23,873	156,957	669	5,380
SOUTH CAROLINA	100,709	902,722	11,863	109,051
SOUTH DAKOTA	38,106	200,985	419	3,266
TENNESSEE	162,366	1,275,603	17,346	138,120
TEXAS NORTHERN	282,980	2,648,912	7,096	65,657
TEXAS SOUTHERN	316,425	3,061,296	5,739	49,791
UTAH	72,412	480,495	116	1,014
VERMONT 4/	26,577	159,642	623	4,547
VIRGINIA	255,624	1,943,937	21,514	173,867
WASHINGTON	112,086	929,037	567	4,907
WEST VIRGINIA	36,454	288,048	3,410	23,976
WISCONSIN	204,361	1,240,924	4,894	35,927
WYOMING	36,798	223,531	94	611
U.S. POSS. AND TERR.	5/	5/	5/	5/
FOREIGN COUNTRIES 6/	20,581	136,965	10,910	84,349
TOTAL SHIPMENTS.....	8,945,388	67,968,633	350,069	2,829,980

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE YEAR-TO-DATE COLUMN.
- 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 FOOTNOTE 5/.

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

STATE	1983	1984	1985	1985	1987	5-YEAR AVERAGE	1988	RECORD HIGH- QTY.	Y3	1987	5-YEAR AVE	PERCENT CHANGE FROM---	
												---CURRENT YEAR TO---	RECORD YEAR
ALABAMA	101	105	122	117	122	113	111	132	76	-9.0	-1.8	-15.9	
ALASKA	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	
ARIZONA	131	124	164	182	195	159	175	195	87	-10.3	10.1	-10.3	
ARKANSAS	71	75	75	81	78	76	67	101	76	-14.1	-11.8	-33.7	
CALIFORNIA NORTHERN	294	302	318	333	358	321	376	376	88	5.0	17.1	0.0	
CALIFORNIA SOUTHERN	418	461	552	656	717	561	743	743	88	3.5	32.4	0.0	
COLORADO	180	159	166	140	130	155	106	180	83	-18.5	-31.6	-41.1	
CONNECTICUT 3/	65	72	77	98	100	82	104	110	72	4.0	26.8	-5.5	
DELAWARE 3/	15	15	18	22	23	19	32	32	88	39.1	68.4	0.0	
DISTRICT OF COLUMBIA 3/	11	9	10	13	11	11	20	27	74	81.3	81.8	-25.9	
FLORIDA	420	442	455	576	592	497	608	608	88	2.7	22.3	0.0	
GEORGIA	191	261	266	268	300	257	274	300	87	-8.7	6.6	-9.7	
HAWAII	17	9	17	27	27	19	30	46	69	11.1	57.9	-34.8	
IDAH0	30	31	27	29	28	29	47	59	76	67.9	62.1	-20.3	
ILLINOIS	274	272	310	364	399	324	429	536	74	7.5	32.4	-15.2	
INDIANA	141	130	166	169	186	158	204	247	67	9.7	23.1	-17.4	
IOWA	174	163	139	141	171	158	147	319	75	-14.0	-7.3	-53.9	
KANSAS	117	120	155	113	157	132	124	157	87	-21.0	-6.1	-21.0	
KENTUCKY	93	112	114	117	132	114	124	141	78	-6.1	8.8	-12.1	
LOUISIANA	218	230	198	167	174	197	144	243	78	-17.2	-26.9	-40.7	
MAINE	31	31	33	36	39	34	46	46	88	17.9	35.3	0.0	
MARYLAND	129	125	132	161	140	137	176	176	88	25.7	28.5	0.0	
MASSACHUSETTS 3/	117	125	129	161	135	134	151	161	86	11.9	12.7	-6.2	
MICHIGAN	195	212	266	263	309	250	337	400	72	9.1	34.8	-15.8	
MINNESOTA 3/	152	139	149	193	208	168	191	247	71	-8.2	13.7	-22.7	
MISSISSIPPI	74	77	67	82	92	75	66	103	78	-19.5	-12.0	-35.9	
MISSOURI	156	161	205	192	220	187	215	228	78	-2.3	15.0	-5.7	
MONTANA	29	24	19	44	22	28	21	57	69	-4.5	-25.0	-63.2	
NEBRASKA	106	124	73	79	93	95	82	142	79	-11.8	-13.7	-42.3	
NEVADA	44	35	68	57	77	56	100	100	88	29.9	78.6	0.0	
NEW HAMPSHIRE 3/	29	31	37	35	30	32	37	37	85	23.3	15.6	0.0	
NEW JERSEY 3/	139	155	154	191	178	163	169	224	72	-5.1	3.7	-24.6	
NEW MEXICO	54	52	51	46	45	50	41	59	77	-8.9	-18.0	-30.5	
NEW YORK EASTERN	44	53	57	98	85	67	71	103	79	-16.5	6.0	-31.1	
NEW YORK WESTERN	98	83	100	106	105	99	134	138	73	27.6	35.4	-2.9	
NEW YORK METROPOLITAN 3/	142	127	133	213	161	155	200	213	86	24.2	29.0	-4.3	
NORTH CAROLINA	148	151	174	198	130	170	205	205	83	13.9	20.6	0.0	
NORTH DAKOTA 3/	40	36	33	41	47	39	23	72	75	-51.1	-41.0	-58.1	
OHIO	263	277	318	341	364	314	408	432	73	12.1	29.9	-5.6	
OKLAHOMA	154	135	125	91	94	122	91	169	81	-3.2	-25.4	-46.2	

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1933-1988) FOR MONTH OF SEPTEMBER 1/ 2/ PAGE 2
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		-PERCENT CHANGE FROM--		
								QTY.	YR	1987	5-YEAR AVG	RECORD YEAR
OREGON	67	74	85	46	98	75	99	97	74	1.1	17.1	-8.2
PENNSYLVANIA EASTERN	160	166	175	237	215	183	257	257	88	25.4	40.4	0.3
PENNSYLVANIA WESTERN	132	118	140	145	152	138	154	180	67	1.3	11.6	-14.4
RHODE ISLAND 3/	16	14	15	17	22	17	24	26	66	9.1	41.2	-7.7
SOUTH CAROLINA	74	85	105	97	98	92	101	106	85	3.1	9.8	-4.7
SOUTH DAKOTA	39	26	58	40	33	40	38	61	79	15.2	-5.0	-37.7
TENNESSEE	134	138	146	154	173	149	162	177	78	-6.4	8.7	-8.5
TEXAS	886	803	905	733	677	801	599	915	85	-11.5	-25.2	-33.8
UTAH	120	119	132	103	108	116	72	132	85	-33.3	-37.9	-45.5
VERMONT 3/	17	17	23	20	15	18	27	27	88	80.0	50.9	0.0
VIRGINIA	168	178	195	231	246	234	256	256	88	4.1	25.5	0.3
WASHINGTON	116	111	125	113	138	122	112	150	66	-18.8	-8.2	-29.6
WEST VIRGINIA	43	41	48	50	58	48	36	85	73	-37.9	-25.0	-57.5
WISCONSIN	170	194	164	181	194	181	214	249	69	5.2	12.7	-13.1
WYOMING	47	45	50	42	44	46	37	57	81	-15.9	-19.6	-44.8
PUERTO RICO	78	72	74	102	112	88	117	170	71	4.5	33.0	-31.2
FOREIGN COUNTRIES	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
UNDISTRIBUTED 5/	54	46	37	24	48	44	31	139	75	-35.4	-29.5	-77.5
TOTAL	7441	7493	8151	8527	8925	8119	8945	9945	88	0.2	10.2	0.3

- 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/.

TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF SEPTEMBER 1/ PAGE 9
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD QTY.	HIGH- YR	PERCENT CHANGE FROM--		
										1987	5-YEAR AVG	RECORD YEAR
ALABAMA	7	9	9	9	10	12	9	10	67	-16.7	11.1	-16.7
ALASKA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARIZONA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARKANSAS	4	4	4	4	4	4	4	4	77	0.0	0.0	-42.9
CALIFORNIA NORTHERN	1	4/	4/	4/	4/	4/	4/	1	78	0.0	0.0	0.0
CALIFORNIA SOUTHERN	3	3	2	2	2	1	2	1	79	0.0	0.0	0.0
COLORADO	1	2	2	2	3	3	2	2	72	0.0	-50.0	-80.0
CONNECTICUT 2/	1	1	1	1	1	1	1	1	87	-33.3	0.0	-33.3
DELAWARE 2/	4/	4/	4/	4/	4/	4/	4/	4/	87	0.0	0.0	0.0
DISTRICT OF COLUMBIA 2/	36	38	35	35	46	46	40	47	88	0.0	0.0	-100.0
FLORIDA	16	19	20	20	22	19	19	19	87	2.2	17.5	0.0
GEORGIA	4/	4/	1	1	4/	4/	4/	1	75	-13.6	0.0	-13.6
HAWAII	4/	4/	4/	4/	4/	4/	4/	4/	78	0.0	0.0	0.0
IDAHO	4/	4/	4/	4/	4/	4/	4/	4/	78	0.0	0.0	0.0
ILLINOIS	7	7	3	3	9	10	8	10	78	0.0	25.0	-33.3
INDIANA	8	8	9	9	10	10	9	10	78	0.0	11.1	-28.5
IOWA	1	1	1	1	1	1	1	1	76	0.0	0.0	-66.7
KANSAS	2	2	2	2	2	3	2	2	76	-33.3	0.0	-33.3
KENTUCKY	8	8	9	9	10	10	9	9	78	-10.0	0.0	-35.7
LOUISIANA	7	5	5	5	4	4	5	3	72	-25.0	-40.0	-62.5
MAINE	1	1	1	1	1	1	1	1	78	0.0	0.0	-50.0
MARYLAND	12	12	12	12	15	14	13	17	88	21.4	30.8	0.0
MASSACHUSETTS 2/	4	4	4	4	5	5	4	5	86	0.0	25.0	0.0
MICHIGAN	9	9	12	12	13	15	12	15	67	0.0	25.0	-25.0
MINNESOTA 2/	4	4	4	4	5	5	4	5	78	0.0	25.0	-28.5
MISSISSIPPI	5	5	5	5	5	5	5	4	73	-20.0	-20.0	-50.0
MISSOURI	6	4	4	4	5	4/	5	5	79	0.0	0.0	-16.7
MONTANA	4/	4/	4/	4/	4/	4/	4/	4/	75	0.0	0.0	0.0
NEBRASKA	1	1	1	1	1	1	1	1	77	0.0	0.0	-50.0
NEVADA	1	1	1	1	1	1	1	4/	78	0.0	0.0	0.0
NEW HAMPSHIRE 2/	1	1	1	1	2	1	1	1	86	0.0	0.0	-50.0
NEW JERSEY 2/	6	7	7	7	9	8	7	8	68	0.0	14.3	-11.1
NEW MEXICO	1	1	1	1	1	1	1	1	75	0.0	0.0	-50.0
NEW YORK EASTERN	2	3	4	4	4	5	4	4	72	-20.0	0.0	-20.0
NEW YORK WESTERN	4	4	4	4	5	5	5	6	73	20.0	20.0	-14.3
NEW YORK METROPOLITAN 2/	5	4	4	4	5	5	5	5	86	0.0	0.0	0.0
NORTH CAROLINA	21	20	22	22	25	25	23	25	97	0.0	3.7	0.0
NORTH DAKOTA 2/	1	1	4/	4/	4/	4/	4/	4/	79	0.0	0.0	-109.0
OHIO	14	13	16	16	13	20	16	27	79	0.0	25.0	-25.0
OKLAHOMA	7	7	4	4	7	3	4	3	79	0.0	-25.0	-57.1

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

STATE	1983	1984	1985	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH- QTY.	YR	PERCENT CHANGE FROM--		
											1987	5-YEAR AVG	RECORD YEAR
OREGON	4/	4/	4/	4/	4/	4/	4/	4/	4/	79	0.0	0.0	0.0
PENNSYLVANIA EASTERN	6	6	6	6	7	8	7	10	10	88	25.0	42.9	0.0
PENNSYLVANIA WESTERN	7	7	8	8	8	9	8	8	12	78	-11.1	0.0	-33.3
RHODE ISLAND 2/	4/	4/	4/	4/	4/	4/	4/	1	1	86	0.0	0.0	0.0
SOUTH CAROLINA	10	9	11	11	12	13	11	12	13	87	-7.7	9.1	-7.7
SOUTH DAKOTA	4/	4/	4/	4/	4/	4/	4/	4/	4/	77	-100.0	0.0	-100.0
TENNESSEE	14	13	15	15	18	19	16	17	20	78	-10.5	6.3	-15.0
TEXAS	25	23	24	24	15	14	20	13	25	83	-7.1	-35.0	-48.0
UTAH	4/	4/	4/	4/	4/	4/	4/	4/	4/	79	0.0	0.0	0.0
VERMONT 2/	1	1	1	1	1	1	1	1	1	77	0.0	0.0	0.0
VIRGINIA	14	15	16	16	21	20	17	22	22	88	10.0	29.4	0.0
WASHINGTON	1	1	1	1	1	1	1	1	1	80	0.0	0.0	0.0
WEST VIRGINIA	4	3	3	3	3	3	3	3	7	78	0.0	0.0	-57.1
WISCONSIN	4	4	4	4	5	5	4	5	8	77	0.0	25.0	-37.5
WYOMING	4/	4/	4/	4/	4/	4/	4/	4/	2	69	0.0	0.0	-100.0
PUERTO RICO	3/	3/	3/	3/	3/	3/	3/	3/	3/	30	0.0	0.0	0.0
FOREIGN COUNTRIES	8	8	8	8	8	7	8	10	10	88	42.9	25.0	0.0
UNDISTRIBUTED 5/	300	296	310	310	344	354	321	350	398	78	-1.1	9.0	-12.1
TOTAL													

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

CUSTOMS DISTRICT	---BAHAMAS---	---BARBADOS---	BELGIUM, -LUXEMBOURG-	---BRAZIL---	---CANADA---	---COLOMBIA---	---DENMARK---	---FRANCE---
ANCHORAGE, ALASKA			500					
BALTIMORE, MD.								
BOSTON, MASS.								
BUFFALO, N.Y.					92,073			
CHARLESTON, S.C.								
CHICAGO, ILL.					31,988			
CLEVELAND, OHIO					56,480			
DETROIT, MICH.					15,186			
DULUTH, MINN.								
EL PASO, TEX.								
GREAT FALLS, MONT.								
HONOLULU, HAWAII								
HOUSTON, TEX.								
LAREDO, TEX.								
LOS ANGELES, CALIF.								
MIAMI, FLA.			500	48			3,314	18
MOBILE, ALA.								
NEW ORLEANS, LA.								
NEW YORK CITY, N.Y.								47,770
NOGALES, ARIZ.								
NORFOLK, VA.								
OGDENSBURG, N.Y.								
PEMBINA, N. DAK.					24,808	16,120		
PHILADELPHIA, PA.					32,944			
PORTLAND, MAINE					1,502			2,995
PORTLAND, OREG.								
PROVIDENCE, R.I.								
SAN DIEGO, CALIF.								
SAN FRANCISCO, CALIF.								
SAN JUAN, P.R.			468					
SAVANNAH, GA.								
SEATTLE, WASH.								
ST. ALBANS, VT.								
TAMPA, FLA.								
VIRGIN ISLANDS OF U.S.								
WILMINGTON, N.C.								35,406
AUGUST:								
QUANTITY 4/	968	48			371,463	54,583	3,314	86,189
VALUE 5/	\$91,136	\$1,774			\$14,546,154	\$1,994,448	\$290,915	\$3,983,795
YEAR-TO-DATE:								
QUANTITY 4/	6,335	704			2,310,873	393,097	56,530	511,759
VALUE 5/	\$268,438	\$52,159			\$93,262,450	\$14,157,673	\$5,019,498	\$24,002,499

TABLE 56. P. HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
AUGUST 1988 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

AUGUST:
QUANTITY 4/-----
VALUE 5/-----

YEAR-TO-DATE:
QUANTITY 4/-----
VALUE 5/-----

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

CUSTOMS DISTRICT	-----T O T A L 4/----- -----AUGUST-- --TO DATE--	
ANCHORAGE, ALASKA-----	4,929	24,937
BALTIMORE, MD.-----	58,842	197,999
BOSTON, MASS.-----	95,370	267,315
BUFFALO, N.Y.-----	92,073	650,018
CHARLESTON, S.C.-----		133,828
CHICAGO, ILL.-----		61
CLEVELAND, OHIO-----	31,988	107,307
DETROIT, MICH.-----	56,480	414,753
DULUTH, MINN.-----	15,186	95,355
EL PASO, TEX.-----	43,529	300,001
GREAT FALLS, MONT.-----		81
HONOLULU, HAWAII-----		96,694
HOUSTON, TEX.-----	62,477	240,189
LAREDO, TEX.-----	21,800	164,287
LOS ANGELES, CALIF.-----	162,254	1,122,883
MIAMI, FLA.-----	134,237	902,353
MOBILE, ALA.-----	52,350	361,627
NEW ORLEANS, LA.-----	105,165	829,614
NEW YORK CITY, N.Y.-----	101,402	794,253
NOGALES, ARIZ.-----	33,142	274,239
NORFOLK, VA.-----	67,544	342,014
OGDENSBURG, N.Y.-----	24,808	170,697
PEMBINA, N. DAK.-----	32,944	114,543
PHILADELPHIA, PA.-----	38,465	187,938
PORTLAND, MAINE-----	1,502	11,223
PORTLAND, OREG.-----		103,099
PROVIDENCE, R.I.-----	21,806	187,462
SAN DIEGO, CALIF.-----	73,091	436,210
SAN FRANCISCO, CALIF.-----	31,974	221,564
SAN JUAN, P.R.-----	8,185	65,919
SAVANNAH, GA.-----	10,191	63,347
SEATTLE, WASH.-----	81,284	531,317
ST. ALBANS, VT.-----	56,808	337,193
TAMPA, FLA.-----	223,742	1,525,706
VIRGIN ISLANDS OF U.S.-----	7,288	57,049
WILMINGTON, N.C.-----		52,467

AUGUST:
QUANTITY 4/----- 1,750,856
VALUE 5/----- \$61,130,557

YEAR-TO-DATE:
QUANTITY 4/----- 11,385,542
VALUE 5/----- \$400,841,919

4/ 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
AUGUST 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				
EL PASO, TEX.-----							300	
HOUSTON, TEX.-----								
LAREDO, TEX.-----						W	1,731	
LOS ANGELES, CALIF.-----								
MIAMI, FLA.-----			500					
NEW YORK CITY, N.Y.-----							132	
NOGALES, ARIZ.-----								
NORFOLK, VA.-----								
OGDENSBURG, N.Y.-----								
PEMBINA, N. DAK.-----				1				2,210
PHILADELPHIA, PA.-----								
SAN DIEGO, CALIF.-----							3,044	
SAN JUAN, P.R.-----			468					3,115
SAVANNAH, GA.-----								
TAMPA, FLA.-----								
VIRGIN ISLANDS OF U.S.-----								
AUGUST:								
QUANTITY 3/-----			968	W		W	5,207	5,325
VALUE 4/-----			\$91,136	W		W	\$490,629	\$455,522
YEAR-TO-DATE:								
QUANTITY 3/-----	3,176	704	6,815	W		W	51,239	27,126
VALUE 4/-----	\$134,511	\$52,159	\$715,737	W		W	\$3,525,935	\$3,968,436

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

CUSTOMS DISTRICT	-----T O T A L 3/-----	W	W
BUFFALO, N.Y.-----	-----AUGUST-- --TO DATE--	W	W
DETROIT, MICH.-----		W	W
EL PASO, TEX.-----		300	5,391
HOUSTON, TEX.-----			14,131
LAREDO, TEX.-----		1,731	11,859
LOS ANGELES, CALIF.-----		W	W
MIAMI, FLA.-----		500	6,769
NEW YORK CITY, N.Y.-----			10,266
NOGALES, ARIZ.-----		132	155
NORFOLK, VA.-----			15,624
OGDENSBURG, N.Y.-----			51
PENBINA, N. DAK.-----		1	1
PHILADELPHIA, PA.-----		2,210	5,829
SAN DIEGO, CALIF.-----		3,044	12,307
SAN JUAN, P.R.-----		468	12,413
SAVANNAH, GA.-----		3,115	16,984
TAMPA, FLA.-----			34,579
VIRGIN ISLANDS OF U.S.-----			4,062

AUGUST:
QUANTITY 3/----- 22,702
VALUE 4/----- \$2,053,733

YEAR-TO-DATE:
QUANTITY 3/----- 14,271
VALUE 4/----- \$539,705 240,072
\$21,961,928

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
AUGUST 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	---CANADA---	---COLOMBIA---	---FRANCE---	---GREECE---	---JAPAN---	---MEXICO---	---PANAMA---	---SPAIN---
BUFFALO, N.Y.	3,381							
CHARLESTON, S.C.								
DETROIT, MICH.	28,027							
HONOLULU, HAWAII								
LAREDO, TEX.						2,255		
MOBILE, ALA.						52,350		
NEW ORLEANS, LA.			23,928					
NORFOLK, VA.								
OGDENSBURG, N.Y.								
PORTLAND, MAINE								
SAN JUAN, P.R.								
SEATTLE, WASH.	75							
TAMPA, FLA.			35,406					
AUGUST:								
QUANTITY 3/	31,483		59,334			54,605		
VALUE 4/	\$1,133,744		\$1,666,506			\$1,236,255		
YEAR-TO-DATE:								
QUANTITY 3/	256,606	17,097	256,586	52,641	84,569	357,587	567	225,335
VALUE 4/	\$8,518,616	\$535,095	\$9,761,219	\$1,101,015	\$2,544,500	\$7,955,032	\$31,198	\$7,589,438

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

CUSTOMS DISTRICT	UNITED ---KINGDOM---	-----T O T A L 3/----- -----AUGUST-- --TO DATE--
BUFFALO, N.Y.-----	3,381	3,381
CHARLESTON, S.C.-----		133,819
DETROIT, MICH.-----	28,027	228,837
HONOLULU, HAWAII-----		84,569
LAREDO, TEX.-----	2,255	20,871
MOBILE, ALA.-----	52,350	361,627
NEW ORLEANS, LA.-----	23,928	99,026
NORFOLK, VA.-----		24,879
OGDENSBURG, N.Y.-----		373
PORTLAND, MAINE-----		2,387
SAN JUAN, P.R.-----	75	17,097
SEATTLE, WASH.-----		10,976
TAMPA, FLA.-----	35,406	263,266

AUGUST:
QUANTITY 3/----- 145,422
VALUE 4/----- \$4,036,505

YEAR-TO-DATE:
QUANTITY 3/----- 120 1,251,108
VALUE 4/----- \$29,380 \$38,065,488

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 X 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 \$7s.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	1,751	11	NA	65.48
Sep	9,295	NA	NA	NA	NA	64.42

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