



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D.C. 20241



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Cement Monthly

CEMENT IN APRIL 1988

Portland cement shipments in the United States and Puerto Rico were 7.51 million short tons in April, according to the Bureau of Mines, U.S. Department of the Interior. This was 4% below shipments in April 1987. Cumulative shipments through April 1988, 23.3 million short tons, were slightly below cumulative shipments through April 1987.

The leading portland cement producing States (California, Texas, Pennsylvania, Missouri, and Michigan) shipped 38% of the April total. California, Texas, Florida, New York, and Illinois, the leading consuming states, received 37% of total shipments.

Masonry cement shipments of 320,000 tons in April were 5% below shipments in April, 1987. The leading producing States or districts (Pennsylvania, Indiana, Michigan, Kentucky-Virginia-West Virginia, and Alabama) shipped 44% of the total and leading consuming States (Florida, North Carolina, Georgia, Virginia, and Ohio) received 38% of total shipments. Cumulative shipments through April 1988, 1.05 million tons, were 4% less than cumulative shipments through April 1987.

Tables 5, 6, and 7 contain March import data as reported by the Bureau of the Census which were not available for publication in the March report. March imports of 1.2 million tons were 21% below imports in March 1987. Cumulative imports through March of 3.17 million tons, were 5% below cumulative imports through March 1987.

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

DISTRICT	FINISHED PORTLAND CEMENT (SHORT TONS) 2/		PREPARED MASONRY CEMENT (SHORT TONS)	
	APRIL	YEAR TO DATE	APRIL	YEAR TO DATE
NEW YORK, MAINE	366,430	883,555	13,171	34,053
PENNSYLVANIA EASTERN	446,275	1,213,167	27,487	82,935
PENNSYLVANIA WESTERN	103,737	271,383	8,260	21,471
MARYLAND	164,174	503,633	8,944	29,500
OHIO	119,165	299,693	10,880	36,207
MICHIGAN	370,398	800,574	24,542	59,028
INDIANA	200,680	508,553	32,664	111,630
ILLINOIS	174,113	428,962	3/	3/
GEORGIA, TENNESSEE	194,631	650,004	18,531	63,976
SOUTH CAROLINA	223,654	745,637	3/	3/
KENTUCKY, VIRGINIA, WEST VIRGINIA	210,404	619,195	24,864	84,589
FLORIDA	312,240	1,175,697	23,847	104,676
NEBRASKA, WISCONSIN	62,202	115,715	520	2,069
ALABAMA	316,883	1,076,918	24,186	79,769
ARKANSAS, LOUISIANA, MISSISSIPPI	132,584	411,786	5,075	16,610
UTAH	65,131	187,130	95	342
SOUTH DAKOTA	33,811	71,842	329	765
IOWA	165,266	324,789	4,353	11,283
MISSOURI	472,515	1,044,802	15,784	48,051
KANSAS	141,250	357,574	4,725	13,597
OKLAHOMA	119,532	368,565	3,878	11,854
TEXAS NORTHERN	320,065	1,139,406	7,101	25,817
TEXAS SOUTHERN	334,985	1,169,023	3,798	17,727
IDAH0, MONTANA	59,998	174,606	192	701
COLORADO, WYOMING	104,631	238,969	3/	3/
ALASKA, OREGON	38,519	141,532	5,978	21,510
ARIZONA, NEVADA, NEW MEXICO	192,376	650,574	12	12
CALIFORNIA NORTHERN	239,460	919,837	3/	3/
CALIFORNIA SOUTHERN	558,025	2,301,006	769	3,267
HAWAII	29,857	112,401	419	1,835
WASHINGTON	55,833	196,556		
PUERTO RICO	112,621	446,419		
U.S. TOTAL.....	6,452,445	19,549,503	295,839	970,815
FOREIGN IMPORTS.....4/	1,053,078	3,773,874	24,255	76,989
TOTAL SHIPMENTS.....	7,505,523	23,323,377	320,094	1,047,804

- 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 APRIL ,1988 1/,2/

STATE	FINISHED PORTLAND CEMENT (SHORT TONS) 3/		PREPARED MASONRY CEMENT (SHORT TONS)	
	APRIL	YEAR TO DATE	APRIL	YEAR TO DATE
ALABAMA	124,253	428,374	10,436	34,361
ALASKA	3,571	10,210	5/	5/
ARIZONA	188,398	710,398	5/	5/
ARKANSAS	66,514	189,181	3,317	10,660
CALIFORNIA NORTHERN	295,473	1,138,513	5/	5/
CALIFORNIA SOUTHERN	641,848	2,610,419	5/	5/
COLORADO	91,801	223,298	1,229	3,798
CONNECTICUT 4/	95,129	249,473	2,040	6,418
DELAWARE 4/	23,231	57,624	1,334	4,178
DISTRICT OF COLUMBIA 4/	16,956	59,167	55	109
FLORIDA	582,690	2,261,746	45,643	176,235
GEORGIA	263,392	961,452	20,021	72,977
HAWAII	29,878	112,464	769	3,267
IDaho	22,902	53,937	28	106
ILLINOIS	109,583	242,582	2,673	7,225
CHICAGO METROPOLITAN 4/	190,267	424,669	5,713	16,840
INDIANA	140,852	341,883	8,291	25,167
IOIA	99,708	163,020	1,093	2,740
KANSAS	105,731	255,920	2,002	6,563
KENTUCKY	92,115	244,642	7,991	23,884
LOUISIANA	162,052	487,477	3,436	10,855
MAINE	27,554	75,715	1,017	3,257
MARYLAND	138,357	473,288	13,607	44,605
MASSACHUSETTS 4/	132,887	361,064	4,419	13,112
MICHIGAN	210,303	444,643	12,964	34,164
MINNESOTA 4/	99,629	227,836	4,124	10,770
MISSISSIPPI	47,787	204,059	4,110	13,502
MISSOURI	214,501	491,069	4,663	12,957
MONTANA	11,251	23,804	83	227
NEBRASKA	64,227	120,240	1,075	2,512
NEVADA	92,646	281,324	2	47
NEW HAMPSHIRE 4/	26,906	74,708	960	3,197
NEW JERSEY 4/	165,690	451,264	7,868	22,933
NEW MEXICO	44,017	159,067	496	1,558
NEW YORK EASTERN	63,817	136,400	3,835	10,376
NEW YORK WESTERN	78,572	184,164	4,528	13,277
NEW YORK METROPOLITAN 4/	165,701	467,187	5,034	13,582
NORTH CAROLINA 4/	180,843	590,281	21,343	80,380
NORTH DAKOTA 4/	11,160	21,884	372	687
OHIO	273,593	644,874	17,158	46,665
OKLAHOMA	97,508	279,832	2,680	8,175
OREGON	95,762	190,846	25	74
PENNSYLVANIA EASTERN	210,970	572,301	8,203	24,998
PENNSYLVANIA WESTERN	88,321	235,418	6,930	17,759
Puerto Rico	112,621	446,419		
RHODE ISLAND 4/	18,040	49,232	705	1,966
SOUTH CAROLINA	110,856	356,863	12,438	44,353
SOUTH DAKOTA	15,110	26,466	337	884
TENNESSEE	145,600	441,008	16,757	51,924
TEXAS NORTHERN	319,725	1,132,979	8,080	28,379
TEXAS SOUTHERN	351,824	1,312,878	4,689	19,992
UTAH	48,761	130,228	73	355
VERMONT 4/	16,217	33,061	446	1,379
VIRGINIA	219,783	730,682	17,559	63,914
WASHINGTON	93,144	335,554	428	1,894
WEST VIRGINIA	33,768	83,900	2,441	6,631
WISCONSIN	107,865	233,290	4,112	10,629
WYOMING	17,793	35,303	156	226
U.S. POSS. AND TERR.	5/	5/	5/	5/
FOREIGN COUNTRIES 4/	13,568	37,797	9,906	31,081
TOTAL SHIPMENTS.....	7,505,523	23,323,377	320,094	1,047,804

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 FOOTNOTE 5/.

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF APRIL 1/ 2/ PAGE 1

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		1987	-PERCENT CHANGE FROM--	
								QTY.	YR		---CURRENT YEAR TO---	RECORD YEAR
ALABAMA	85	100	125	131	128	114	124	139	77	-3.1	8.8	-10.8
ALASKA	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
ARIZONA	151	172	220	243	211	199	188	243	86	-10.9	-5.5	-22.6
ARKANSAS	48	61	68	68	77	64	67	107	78	-13.0	4.7	-37.4
CALIFORNIA NORTHERN	180	259	302	316	320	275	295	322	66	-7.8	7.3	-8.4
CALIFORNIA SOUTHERN	331	481	600	664	722	560	642	722	87	-11.1	14.6	-11.1
COLORADO	92	123	136	120	105	115	92	144	82	-12.4	-20.0	-36.1
CONNECTICUT 3/	48	55	88	96	81	74	95	96	86	17.3	28.4	-1.0
DELAWARE 3/	12	14	22	20	23	18	23	23	87	0.0	27.8	0.0
DISTRICT OF COLUMBIA 3/	10	9	13	11	11	11	17	28	74	54.5	54.5	-39.3
FLORIDA	404	504	522	563	586	516	583	586	87	-0.5	13.0	-0.5
GEORGIA	147	185	287	300	332	254	263	332	87	-20.8	3.5	-20.8
HAWAII	18	17	14	24	28	20	30	50	74	7.1	50.0	-40.0
IDAHO	25	26	26	25	21	25	23	50	77	9.5	-8.0	-54.0
ILLINOIS	146	163	227	303	298	227	300	323	68	0.7	32.2	-7.1
INDIANA	74	92	117	152	143	116	141	160	68	-1.4	21.6	-11.9
IOWA	53	71	86	74	88	74	100	143	77	13.6	35.1	-30.1
KANSAS	67	82	126	124	119	104	106	128	86	-10.9	1.9	-17.2
KENTUCKY	63	67	104	120	112	93	92	120	86	-17.9	-1.1	-23.3
LOUISIANA	208	247	225	197	179	211	162	272	78	-9.5	-23.2	-40.4
MAINE	14	14	21	24	24	19	28	28	88	16.7	47.4	0.0
MARYLAND	99	113	145	152	147	131	158	158	88	7.5	20.6	0.0
MASSACHUSETTS 3/	78	95	128	148	125	115	133	148	86	6.4	15.7	-10.1
MICHIGAN	84	115	160	193	223	155	210	287	68	-5.8	35.5	-26.8
MINNESOTA 3/	56	72	87	93	133	88	100	133	87	-24.8	13.6	-24.8
MISSISSIPPI	54	73	70	85	75	71	68	90	78	-9.3	-4.2	-24.4
MISSOURI	93	108	168	209	203	156	215	215	88	5.9	37.8	0.0
MONTANA	21	19	19	15	13	17	11	35	69	-15.4	-35.3	-68.6
NEBRASKA	41	42	61	61	56	52	64	107	74	14.3	23.1	-40.2
NEVADA	36	46	52	53	62	50	93	93	86	50.0	86.0	0.0
NEW HAMPSHIRE 3/	19	22	33	34	28	27	27	34	86	-3.6	0.0	-20.6
NEW JERSEY 3/	100	132	174	186	172	153	166	206	71	-3.5	8.5	-19.4
NEW MEXICO	45	52	54	56	47	51	44	62	73	-6.4	-13.7	-29.0
NEW YORK EASTERN	24	29	53	63	54	45	64	92	73	18.5	42.2	-30.4
NEW YORK WESTERN	46	45	67	69	68	59	79	89	74	16.2	33.9	-11.2
NEW YORK METROPOLITAN 3/	98	129	140	147	161	135	166	166	88	3.1	23.0	0.0
NORTH CAROLINA	116	137	175	191	197	163	181	197	87	-8.1	11.0	-8.1
NORTH DAKOTA 3/	17	21	11	12	8	14	11	27	77	37.5	-21.4	-59.3
OHIO	153	158	227	250	258	209	274	324	68	6.2	31.1	-15.4
OKLAHOMA	138	160	136	102	124	132	88	191	82	-29.0	-33.3	-53.9

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF APRIL 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	37	40	52	52	63	49	56	82	73	-11.1	14.3	-31.7
PENNSYLVANIA EASTERN	108	137	165	172	175	151	210	210	88	20.0	39.1	0.0
PENNSYLVANIA WESTERN	56	87	82	95	108	86	88	108	87	-18.5	2.3	-18.5
RHODE ISLAND 3/	10	21	16	18	15	16	19	21	84	26.7	18.8	-9.5
SOUTH CAROLINA	72	76	94	104	105	90	111	111	88	5.7	23.3	0.0
SOUTH DAKOTA	10	12	16	13	18	14	15	29	76	-16.7	7.1	-48.3
TENNESSEE	85	114	142	173	165	136	146	173	86	-11.5	7.4	-15.6
TEXAS	940	1082	998	881	792	939	672	1082	84	-15.2	-28.4	-37.9
UTAH	55	68	80	63	66	66	49	81	77	-25.8	-25.8	-39.5
VERMONT 3/	7	8	12	13	15	11	16	16	88	6.7	45.5	0.0
VIRGINIA	138	159	213	217	209	187	220	220	88	5.3	17.6	0.0
WASHINGTON	92	98	111	123	106	106	95	164	79	-10.4	-10.4	-42.1
WEST VIRGINIA	28	25	35	35	24	29	34	55	77	41.7	17.2	-38.2
WISCONSIN	65	79	93	99	115	90	108	117	77	-6.1	20.0	-7.7
WYOMING	22	19	29	20	14	21	18	39	81	28.6	-14.3	-53.8
PUERTO RICO	74	84	82	94	106	88	113	160	74	6.6	28.4	-29.4
FOREIGN COUNTRIES	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
UNDISTRIBUTED 5/	33	28	29	18	21	26	16	36	76	-23.8	-38.5	-55.6
TOTAL	5346	6447	7538	7888	7879	7020	7509	7888	86	-4.7	7.0	-4.8

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 APRIL 1/ PAGE 5
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	6	8	10	11	14	10	10	14	87	-28.6	0.0	-28.6
ALASKA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARIZONA	3/	4	4	4	4/	4	4/	9	78	-25.0	-25.0	-66.7
ARKANSAS	4/	1	4/	1	1	1	1	1	87	0.0	0.0	0.0
CALIFORNIA NORTHEPN	2	3	2	2	1	2	1	1	4	0.0	0.0	0.0
CALIFORNIA SOUTHERN	1	1	2	2	2	2	2	2	86	0.0	-50.0	-75.0
COLORADO	1	1	1	1	1	1	1	1	87	0.0	0.0	0.0
CONNECTICUT 2/	1	1	1	1	4/	1	4/	7	72	0.0	0.0	0.0
DELAWARE 2/	1	4/	4/	4/	4/	4/	4/	47	87	-2.1	15.0	-2.1
DISTRICT OF COLUMBIA 2/	31	27	40	44	47	40	46	47	87	-16.7	0.0	0.0
FLORIDA	14	16	23	23	24	20	20	24	87	0.0	0.0	0.0
GEORGIA	1	4/	1	1	1	1	1	1	73	0.0	0.0	0.0
HAWAII	4/	4/	4/	4/	4/	4/	4/	4/	79	0.0	0.0	0.0
IDAH0	7	6	6	8	7	6	8	13	78	14.3	33.3	-38.5
ILLINOIS	4	7	7	8	8	7	8	13	78	0.0	14.3	-38.5
INDIANA	1	1	1	1	1	1	1	1	77	0.0	0.0	-66.7
IOWA	2	2	2	2	2	2	2	3	78	0.0	0.0	-33.3
KANSAS	6	7	8	8	7	7	8	14	78	14.3	14.3	-42.9
KENTUCKY	5	7	6	5	5	5	3	10	78	-40.0	-50.0	-70.0
LOUISIANA	1	4/	1	1	1	1	1	1	78	0.0	0.0	-50.0
MAINE	8	11	15	13	13	12	14	19	72	7.7	16.7	-26.3
MARYLAND	3	2	4	4	4	4	4	5	86	0.0	0.0	-20.0
MASSACHUSETTS 2/	5	6	10	13	13	9	13	22	68	0.0	44.4	-40.9
MICHIGAN	3	4	4	4	5	4	4	6	77	-20.0	0.0	-33.3
MINNESOTA 2/	3	4	5	5	5	5	4	7	78	-20.0	-20.0	-42.9
MISSISSIPPI	3	3	4	5	5	4	5	6	78	0.0	25.0	-16.7
MISSOURI	4/	4/	4/	4/	4/	4/	4/	4/	77	0.0	0.0	0.0
MONTANA	1	1	1	1	1	1	1	2	79	0.0	0.0	-50.0
NEBRASKA	1	1	1	1	1	1	4/	1	72	0.0	0.0	-100.0
NEVADA	1	1	1	1	1	1	1	1	76	0.0	0.0	0.0
NEW HAMPSHIRE 2/	4	6	8	8	7	7	8	10	72	14.3	14.3	-20.0
NEW JERSEY 2/	1	1	1	1	1	1	4/	2	78	-100.0	-100.0	-100.0
NEW MEXICO	1	2	3	4	4	3	4	4	76	0.0	33.3	0.0
NEW YORK	3	3	4	4	5	4	5	7	74	0.0	25.0	-28.6
NEW YORK NORTHERN	4	4	5	5	5	5	5	6	72	0.0	0.0	-16.7
NEW YORK METROPOLITAN 2/	14	18	24	23	26	21	21	26	87	-19.2	0.0	-19.2
NORTH CAROLINA	1	4/	4/	4/	4/	4/	4/	1	76	0.0	0.0	-100.0
NORTH DAKOTA 2/	2	11	13	15	14	12	17	24	78	21.4	41.7	-29.2
OHIO	2	2	4	3	3	4	3	8	78	0.0	-25.0	-62.5
OKLAHOMA	5	6	6	5	7	5	6	7	78	0.0	0.0	0.0

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

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		1987	-PERCENT CHANGE FROM--	
								QTY.	YR		5-YEAR AVG	RECORD YEAR
OREGON	4/				4/		4/	4/	80	0.0	0.0	0.0
PENNSYLVANIA EASTERN	3	5	4/	6	4/	7	8	12	72	14.3	60.0	-33.3
PENNSYLVANIA WESTERN	3	5	7	8	7	7	7	11	77	0.0	16.7	-36.4
RHODE ISLAND 2/	4/	4/	4/	1	1	4/	1	1	79	0.0	0.0	0.0
SOUTH CAROLINA	8	10	12	12	14	11	12	15	72	-14.3	9.1	-20.0
SOUTH DAKOTA	4/	4/	4/	4/	4/	4/	4/	1	76	0.0	0.0	-100.0
TENNESSEE	9	13	15	17	18	14	17	19	78	-5.6	21.4	-10.5
TEXAS	25	29	26	23	17	24	13	29	84	-23.5	-45.8	-55.2
UTAH	4/	4/	4/	4/	4/	4/	4/	4/	78	0.0	0.0	0.0
VERMONT 2/	4/	4/	4/	4/	1	4/	4/	1	87	-100.0	0.0	-100.0
VIRGINIA	11	14	15	19	19	16	18	23	78	-5.3	12.5	-21.7
WASHINGTON	1	1	1	1	1	1	4/	1	79	-100.0	-100.0	-100.0
WEST VIRGINIA	2	2	3	3	2	2	2	6	78	0.0	0.0	-66.7
WISCONSIN	3	3	4	5	4	4	4	7	78	0.0	0.0	-42.9
WYOMING	4/	4/	4/	4/	4/	4/	4/	4/	76	0.0	0.0	0.0
PUERTO RICO	3/	3/	3/	3/	3/	3/	3/	3/	74	0.0	0.0	0.0
FOREIGN COUNTRIES	8	9	9	10	9	9	9	3/	3/	3/	3/	3/
UNDISTRIBUTED 5/	225	278	322	337	338	300	316	390	88	0.0	0.0	0.0
TOTAL									78	-6.5	5.3	-19.0

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
MARCH 1988 BY COUNTRY AND CUSTOMS DISTRICT 3/
(SHORT TONS)

CUSTOMS DISTRICT	---BAHAMAS---	BELGIUM, -LUXEMBOURG-	---CANADA---	--COLOMBIA--	----DENMARK----	---FRANCE---	-----WEST-----	GERMANY -----GREECE----
BALTIMORE, MD.								27,752
BOSTON, MASS.								18,783
BUFFALO, N.Y.			59,995					
CHARLESTON, S.C.			11,863					
DETROIT, MICH.								
EL PASO, TEX.								
GREAT FALLS, MONT.								
HONOLULU, HAWAII								
HOUSTON, TEX.								
LAREDO, TEX.								
LOS ANGELES, CALIF.								
MIAMI, FLA.		500						53,983
MOBILE, ALA.								52,641
NEW ORLEANS, LA.								
NEW YORK CITY, N.Y.								39,460
NOGALES, ARIZ.								
NORFOLK, VA.								
OGDENSHURGH, N.Y.			21,933			3,482	1	9,723
PERRINA, N. DAK.			3,756					
PHILADELPHIA, PA.								
PORTLAND, MAINE			1,026				18	20,836
PORTLAND, OREG.								
PROVIDENCE, R.I.				17,262				
SAN DIEGO, CALIF.								
SAN FRANCISCO, CALIF.				17,097				
SAN JUAN, P.R.		857						
SAVANNAH, GA.								
SEATTLE, WASH.			53,473					
ST. ALBANS, VT.			31,189					
TAMPA, FLA.				9,443		36,975		29,179
VIRGIN ISLANDS OF U.S.								
WILMINGTON, DEL.								
MARCH:								
QUANTITY 4/-		1,357	183,235	43,802		40,457	19	252,257
VALUE 5/-		\$143,019	\$7,692,065	\$1,597,511		\$1,498,499	\$28,432	\$7,136,240
YEAR-TO-DATE:								
QUANTITY 4/-	3,174	2,948	410,053	143,904	16,039	130,251	44	493,092
VALUE 5/-	\$134,511	\$329,550	\$18,168,226	\$5,056,091	\$1,486,291	\$5,354,767	\$41,224	\$14,436,587

• ARCH:

YEAR-TM-DATE:

QUANTITY 4/-

VALUE 5/----

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

CUSTOMER DISTRICT	--HONDURAS--	-----ITALY----	-----JAPAN----	KOREA, REPUBLIC OF-	----MEXICO----	-NETHERLANDS	-----SPAIN---	--VENEZUELA
BALTIMORE, MD.								
BOSTON, MASS.								
BUFFALO, N.Y.								
CHARLESTON, S.C.								
DETROIT, MICH.								
EL PASO, TEX.								
GREAT FALLS, MONT.								
HONOLULU, HAWAII								
HOUSTON, TEX.								
LAREDO, TEX.								
LOS ANGELES, CALIF.								
MIAMI, FLA.								
MOBILE, ALA.								
NEW ORLEANS, LA.								
NEW YORK CITY, N.Y.								
NOGALES, ARIZ.								
NORFOLK, VA.								
ODGENSBURG, N.Y.								
PENNINGTON, N.J.								
PHILADELPHIA, PA.								
PORTLAND, MAINE								
PORTLAND, OREG.								
PROVIDENCE, R.I.								
SAN DIEGO, CALIF.								
SAN FRANCISCO, CALIF.								
SAN JUAN, P.R.								
SAVANNAH, GA.								
SEATTLE, WASH.								
ST. ALBANS, VT.								
TAMPA, FLA.								
VIRGIN ISLANDS OF U.S.								
WILMINGTON, D.C.								
MARCH:								
QUANTITY 4/-	7	135,288	53,925	400,338	20	57,787	69,854	
VALUE 5/-	\$2,557	\$4,694,085	\$1,784,165	\$12,250,510	\$30,142	\$2,225,270	\$2,363,302	
YEAR-TO-DATE:								
QUANTITY 4/-	7	421,113	132,443	1,065,910	20	223,194	120,446	
VALUE 5/-	\$2,557	\$14,243,889	\$3,928,479	\$32,509,753	\$30,142	\$11,322,823	\$4,253,468	

MARCH:

YEAR-TO-DATE:

QUANTITY

VALUE 5/-

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

CUSTOMS DISTRICT	YUGOSLAVIA-	-----T O T A L 4/-----	-----MARCH-----	-----TO DATE-----
BALTIMORE, MD.-----		27,772	38,930	
BOSTON, MASS.-----		19,783	43,889	
SUFFALO, N.Y.-----		59,995	123,833	
CHARLESTON, S.C.-----			25,910	
DETROIT, MICH.-----		11,863	34,968	
EL PASO, TEX.-----		52,157	129,010	
GREAT FALLS, MONT.-----			40	
HONOLULU, HAWAII-----		12,125	43,607	
HOUSTON, TEX.-----		65,668	94,449	
LAREDO, TEX.-----		19,859	53,905	
LOS ANGELES, CALIF.-----	162	177,250	402,240	
MIAMI, FLA.-----		134,396	278,432	
MORILE, ALA.-----		78,324	129,341	
NEW ORLEANS, LA.-----		22,843	162,795	
NEW YORK CITY, N.Y.-----		68,777	204,195	
NOGALES, ARIZ.-----		29,798	88,046	
NOPEGLK, VA.-----		40,768	114,771	
OGDENSBURG, N.Y.-----		21,933	45,768	
PEWUMA, N. DAK.-----		3,756	6,969	
PHILADELPHIA, PA.-----		41,770	41,770	
PORTLAND, MAINE-----		1,026	5,521	
PORTLAND, OREG.-----			44,010	
PROVIDENCE, R.I.-----		28,285	48,765	
SAN DIEGO, CALIF.-----	162	35,407	166,590	
SAN FRANCISCO, CALIF.-----		20,474	80,563	
SAN JUAN, P.R.-----		22,604	32,926	
SAVANNAH, GA.-----		14,225	31,698	
SEATTLE, WASH.-----		53,473	150,343	
ST. ALBANS, VT.-----		31,189	67,052	
TAMPA, FLA.-----		137,534	442,579	
VIRGIN ISLANDS OF U.S.-----		6,444	8,998	
WILMINGTON, D.C.-----			24,899	

MARCH:
QUANTITY 4/----- 162 1,239,502
VALUE 5/----- \$48,050 \$41,512,847

YEAR-TO-DATE:
QUANTITY 4/----- 224
VALUE 5/----- \$95,905 \$111,495,433

W. WITHHELD 1. AVOID DISCLOSING COMPANY PROPRIETARY DATA.

1/ INCLUDES WHITE CEMENT AS SHOWN IN TABLE 2.

2/ INCLUDES CLINKER AS SHOWN IN TABLE 7.

3/ INCLUDES PUERTO RICO.

4/ DATA MAY BE ADD TO TOTALS ABOVE BECAUSE OF INDEPENDENT ROUNDING.

5/ VALUE-GIF (GOST, INSURANCE AND FREIGHT).

SOURCE: U.S. BUREAU OF THE CENSUS.

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

CUSTOMS DISTRICT	---BAHAMAS---	BELGIUM, -LUXEMBOURG-	---CANADA---	---COLOMBIA--	---DENMARK--	---MEXICO---	---SPAIN----	---VENEZUELA-
BUFFALO, N.Y.-----			W					
DETROIT, MICH.-----			W					
EL PASO, TEX.-----					393			
HOUSTON, TEX.-----					14,131			
LAREDO, TEX.-----					519			
MIAMI, FLA.-----		500					1,469	3,143
NEW YORK CITY, N.Y.-----							1,864	
NORFOLK, VA.-----								
PHILADELPHIA, PA.-----					878			
SAN DIEGO, CALIF.-----		W			173			
SAN JUAN, P.R.-----					7,223			
SAVANNAH, GA.-----								
TAMPA, FLA.-----								
VIRGIN ISLANDS OF U.S.-----								773
MARCH:								
QUANTITY 3/-----		W	W			23,317	3,333	3,916
VALUE 4/-----		W	W			\$676,809	\$374,964	\$124,144
YEAR-TO-DATE:								
QUANTITY 3/-----	3,176	W	W		16,039	26,261	9,030	14,221
VALUE 4/-----	\$134,511	W	W		\$1,486,291	\$988,717	\$1,315,010	\$511,605

TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
MARCH 1968 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	-----T O T A L 3/-----	
	-----MARCH-----	-----TO DATE-----
BUFFALO, N.Y.-----	W	W
DETROIT, MICH.-----	W	W
EL PASO, TEX.-----	393	760
HOUSTON, TEX.-----	14,131	14,131
LAREDO, TEX.-----	519	2,001
MIAMI, FLA.-----	500	2,534
NEW YORK CITY, N.Y.-----	1,469	3,627
NORFOLK, VA.-----	3,143	15,624
PHILADELPHIA, PA.-----	1,864	1,864
SAN DIEGO, CALIF.-----	878	1,973
SAN JUAN, P.R.-----	W	W
SAVANNAH, GA.-----	7,223	10,527
TAMPA, FLA.-----		9,367
VIRGIN ISLANDS OF U.S.-----	773	3,308

MARCH:
QUANTITY 3/----- 40,212
VALUE 4/----- \$2,183,377

YEAR-TO-DATE:
QUANTITY 3/----- 95,231
VALUE 4/----- \$7,156,314

W/ WITHHELD TO AVOID DISCLOSING INDIVIDUAL 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
MARCH 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	---CANADA---	---COLOMBIA---	---FRANCE---	---GREECE---	---JAPAN---	---MEXICO---	---SPAIN---
CHARLESTON, S.C.-----							
DETROIT, MICH.-----						2,482	
HONOLULU, HAWAII-----						25,683	
LAREDO, TEX.-----				52,641			
MOBILE, ALA.-----							
NEW ORLEANS, LA.-----			3,482				
NOFOLK, VA.-----							
OGDEN, UTAH-----							
PORTLAND, ORE.-----							
SAN JUAN, P.R.-----	7,144	17,007					
SEATTLE, WASH.-----							
TAMPA, FLA.-----			36,975				
MARCH:							
QUANTITY 3/-----	7,144	17,007	40,457	52,641		28,165	
VALUE 4/-----	\$272,640	\$535,095	\$1,498,490	\$1,101,015		\$668,262	
YEAR-TOTALS:							
QUANTITY 3/-----	10,706	17,007	77,664	52,641	31,482	117,523	6,254
VALUE 4/-----	\$386,313	\$535,095	\$2,890,861	\$1,101,015	\$921,060	\$2,773,970	\$1,714,720

TABLE 7. - CLIPPER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
MARCH 1968 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	-----T O T A L 3/----- -----MARCH----- --TO DATE--
CHARLESTON, S.C.	25,910
DETROIT, MICH.	36
HONOLULU, HAWAII	21,482
LAREDO, TEX.	12,526
MOBILE, ALA.	78,324
NEW ORLEANS, LA.	129,341
NEW YORK, N.Y.	37,139
NOBLESVILLE, IND.	3,850
ORFEDSHUR, N.Y.	373
PORTLAND, ORE.	2,387
SAN JUAN, P.R.	17,097
SEATTLE, WASH.	7,144
TAMPA, FLA.	36,975
	43,229

ARCH:
QUANTITY 3/ 146,384
VALUE 4/ \$4,075,720

YEAR-TO-DATE:
QUANTITY 3/ 313,369
VALUE 4/ \$10,326,034

1/ WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.

2/ DATA INCLUDED IN TABLE 5.

3/ INCLUDES PUERTO RICO.

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

5/ VALUE=111 (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 \$7/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	50.71
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	NA	NA	NA	65.01

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.

r/Revised