



U.S. Bureau of Mines



MINERAL INDUSTRY SURVEYS

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Cement Monthly

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CEMENT IN OCTOBER 1988

Portland cement shipments in the United States and Puerto Rico were 8.88 million short tons in October, according to the Bureau of Mines, U.S. Department of the Interior. This was 6% below shipments in October 1987. Cumulative shipments through October 1988, 76.7 million tons, were slightly below cumulative shipments through October 1987.

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

Masonry cement shipments of 335,000 tons in October were 11% below shipments in October, 1987. The leading producing States or districts (Pennsylvania, Indiana, Michigan, Florida, and Kentucky-Virginia-West Virginia) shipped 46% of the total and leading consuming States (Florida, North Carolina, Ohio, Georgia, and Virginia) received 39% of total shipments. Cumulative shipments through October 1988, 3.2 million tons, were 3% less than cumulative shipments through October 1987.

Tables 5, 6, and 7 contain September import data as reported by the Bureau of the Census which were not available for publication in the September report. September imports of 1.7 million tons were slightly below imports in September 1987. Cumulative imports through September of 13.1 million tons, were 3% below cumulative imports through September 1987.

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

DISTRICT	FINISHED PORTLAND CEMENT (SHORT TONS)2/		PREPARED MASONRY CEMENT (SHORT TONS)	
	OCTOBER	YEAR TO DATE	OCTOBER	YEAR TO DATE
NEW YORK, MAINE	300,506	2,901,372	15,461	122,613
PENNSYLVANIA EASTERN	480,973	4,041,637	27,495	257,229
PENNSYLVANIA WESTERN	185,117	1,310,096	9,252	83,011
MARYLAND	185,571	1,487,770	8,478	83,316
OHIO	169,736	1,286,757	12,808	117,346
MICHIGAN	557,415	4,348,890	27,164	229,098
INDIANA	275,889	2,047,700	36,659	345,094
ILLINOIS	242,375	1,786,075	3/	3/
GEORGIA, TENNESSEE	222,818	2,027,475	19,143	187,256
SOUTH CAROLINA	224,612	2,120,315	3/	3/
KENTUCKY, VIRGINIA, WEST VIRGINIA	215,756	2,016,469	25,264	294,016
FLORIDA	332,105	3,030,805	26,510	259,064
NEBRASKA, WISCONSIN	97,032	626,197	539	7,611
ALABAMA	351,417	3,096,105	23,797	221,652
ARKANSAS, LOUISIANA, MISSISSIPPI	119,817	1,185,124	4,865	48,694
UTAH	69,600	689,014	102	1,121
SOUTH DAKOTA	73,888	511,895	488	3,402
IOWA	269,046	1,856,446	5,305	43,007
MISSOURI	494,808	3,954,292	2,132	126,684
KANSAS	159,601	1,311,870	4,352	40,605
OKLAHOMA	152,793	1,219,219	15,752	47,801
TEXAS NORTHERN	297,336	3,140,234	6,653	66,218
TEXAS SOUTHERN	316,378	3,098,982	4,783	49,170
IDAHO, MONTANA	91,377	785,998	536	3,347
COLORADO, WYOMING	161,846	1,097,183	3/	3/
ALASKA, OREGON	45,491	477,542		80
ARIZONA, NEVADA, NEW MEXICO	181,201	1,845,130	5,779	60,813
CALIFORNIA NORTHERN	327,859	2,716,410		31
CALIFORNIA SOUTHERN	673,027	6,226,668	3/	3/
HAWAII	29,708	297,013	671	8,100
WASHINGTON	55,252	608,167	148	4,056
PUERTO RICO	113,936	1,171,298		
U.S. TOTAL.....	7,474,286	64,315,048	309,492	2,956,718
FOREIGN IMPORTS....4/	1,408,975	12,404,425	25,634	228,304
TOTAL SHIPMENTS.....	8,883,261	76,719,473	335,126	3,185,022

1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE 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 OCTOBER 1988 1/2/

STATE	FINISHED PORTLAND CEMENT (SHORT TONS) 3/		PREPARED MASONRY CEMENT (SHORT TONS)	
	OCTOBER	YEAR TO DATE	OCTOBER	YEAR TO DATE
ALABAMA	125,684	1,178,322	9,491	96,331
ALASKA	9,727	65,200	5/	5/
ARIZONA	171,747	1,799,806	5/	5/
ARKANSAS	65,365	589,202	3,187	32,809
CALIFORNIA NORTHERN	398,948	3,356,850	5/	5/
CALIFORNIA SOUTHERN	773,510	7,225,823	5/	5/
COLORADO	107,529	851,885	1,141	11,201
CONNECTICUT 4/	95,868	840,613	2,231	20,361
DELAWARE 4/	30,744	227,932	1,621	13,169
DISTRICT OF COLUMBIA 4/	17,927	164,996	46	488
FLORIDA	658,447	5,984,955	49,726	460,243
GEORGIA	270,531	2,673,361	19,449	197,935
HAWAII	29,708	297,097	671	8,100
IDAHO	48,056	288,724	40	322
ILLINOIS	161,528	1,097,729	2,810	25,054
CHICAGO METROPOLITAN 4/	273,650	1,982,615	7,546	58,950
INDIANA	190,511	1,508,059	10,088	86,025
IOWA	173,519	1,087,567	1,412	10,644
KANSAS	106,801	982,526	1,951	17,629
KENTUCKY	132,589	963,312	8,829	78,074
LOUISIANA	129,015	1,292,167	8,033	30,978
MAINE	39,248	316,244	1,147	10,450
MARYLAND	166,353	1,444,832	13,184	141,089
MASSACHUSETTS 4/	130,291	1,220,698	4,424	41,052
MICHIGAN	303,330	2,361,784	13,992	124,987
MINNESOTA 4/	169,557	1,294,017	4,840	41,961
MISSISSIPPI	64,888	649,568	4,365	40,471
MISSOURI	228,850	1,870,716	4,476	41,666
MONTANA	20,162	152,625	107	867
NEBRASKA	91,156	650,508	1,046	8,344
NEVADA	93,975	928,723	9	156
NEW HAMPSHIRE 4/	35,747	276,887	1,229	10,968
NEW JERSEY 4/	165,626	1,452,321	7,401	70,883
NEW MEXICO	45,758	433,336	556	4,972
NEW YORK EASTERN	67,652	535,846	4,339	36,455
NEW YORK WESTERN	112,278	927,550	4,940	47,316
NEW YORK METROPOLITAN 4/	184,042	1,606,069	4,835	43,866
NORTH CAROLINA 4/	201,562	1,834,585	23,010	232,358
NORTH DAKOTA 4/	28,905	196,909	551	3,565
OHIO	390,921	2,942,391	19,491	169,698
OKLAHOMA	103,098	886,042	2,509	25,748
OREGON	74,327	694,274	28	238
PENNSYLVANIA EASTERN	266,222	2,034,990	9,086	82,680
PENNSYLVANIA WESTERN	129,188	1,058,575	7,072	69,105
PUERTO RICO	113,936	1,171,298		
RHODE ISLAND 4/	21,714	178,671	630	5,911
SOUTH CAROLINA	114,082	1,016,804	11,701	122,175
SOUTH DAKOTA	47,491	248,476	464	3,730
TENNESSEE	166,450	1,440,742	15,982	153,694
TEXAS NORTHERN	268,109	2,914,574	7,289	72,763
TEXAS SOUTHERN	345,461	3,394,392	5,751	55,525
UTAH	67,054	547,549	102	1,116
VERMONT 4/	22,000	181,642	546	5,093
VIRGINIA	243,473	2,187,410	18,929	200,391
WASHINGTON	108,743	1,037,780	487	5,394
WEST VIRGINIA	35,413	323,461	2,449	26,673
WISCONSIN	201,855	1,439,390	4,822	40,664
WYOMING	24,959	248,490	85	696
U.S. POSS. AND TERR.	5/	5/	5/	5/
FOREIGN COUNTRIES 6/	22,981	160,563	9,940	93,989
TOTAL SHIPMENTS.....	8,883,261	76,719,473	335,126	3,185,022

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE 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 FOOT-NOTE 5/.

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF OCTOBER 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	108	109	121	126	140	121	125	149	78	-10.0	4.1	-15.4
ALASKA	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
ARIZONA	138	169	193	212	215	185	172	215	87	-20.0	-7.0	-20.0
ARKANSAS	63	55	79	71	75	69	65	115	79	-13.3	-5.8	-43.5
CALIFORNIA NORTHERN	315	338	360	391	370	355	399	399	88	7.8	12.4	0.0
CALIFORNIA SOUTHERN	422	529	632	807	700	618	774	807	85	10.6	25.2	-4.1
COLOPADO	159	139	187	123	123	154	108	187	85	-12.2	-29.9	-42.2
CONNECTICUT 3/	64	100	97	115	115	98	96	115	86	-16.5	-2.0	-17.2
DELAWARE 3/	14	15	21	23	28	20	31	31	88	10.7	55.0	0.0
DISTRICT OF COLUMBIA 3/	10	9	9	13	15	11	18	32	74	20.0	53.6	-43.8
FLORIDA	421	522	505	586	594	526	658	658	88	10.8	25.1	0.0
GEORGIA	226	289	251	294	320	275	271	320	87	-15.3	-1.8	-15.3
HAWAII	16	13	20	32	28	22	30	50	69	7.1	36.4	-40.0
IDAHO	36	31	30	32	29	32	43	67	74	48.3	34.4	-35.8
ILLINOIS	286	318	354	383	439	356	435	535	74	-0.9	22.2	-19.7
INDIANA	126	142	178	149	210	167	191	235	66	-9.0	14.4	-19.7
IOWA	159	144	139	149	179	154	174	252	73	-2.8	13.0	-31.0
KANSAS	106	131	158	107	159	132	107	159	87	-32.7	-18.9	-32.7
KENTUCKY	85	120	121	148	130	121	133	211	68	2.3	9.9	-37.0
LOUISIANA	255	213	180	164	185	199	129	284	78	-30.3	-35.2	-54.6
MAINE	28	37	37	41	47	38	39	47	87	-17.0	2.6	-17.0
MARYLAND	116	139	150	182	177	153	166	182	86	-6.2	8.5	-3.8
MASSACHUSETTS 3/	110	153	156	195	161	155	130	155	85	-19.3	-15.1	-33.7
MICHIGAN	201	271	299	325	346	283	303	399	71	-12.4	5.2	-23.9
MINNESOTA 3/	153	155	194	223	186	182	170	241	72	-8.6	-6.5	-29.5
MISSISSIPPI	84	65	55	80	85	76	65	103	79	-23.5	-14.5	-40.4
MISSOURI	128	163	220	206	238	191	229	257	78	-3.8	15.9	-10.5
MONTANA	32	29	24	24	20	26	20	44	70	0.0	-23.1	-54.3
NEBRASKA	104	110	66	87	70	33	91	133	73	13.8	-2.2	-41.7
NEVADA	43	55	52	60	79	58	94	94	88	15.0	62.1	0.0
NEW HAMPSHIRE 3/	30	41	46	43	34	39	36	45	85	5.9	-7.7	-21.7
NEW JERSEY 3/	139	183	199	220	235	189	166	220	86	-15.0	-12.2	-24.5
NEW MEXICO	57	55	62	54	48	55	45	62	85	-4.2	-15.4	-25.8
NEW YORK EASTERN	43	65	74	100	88	74	68	107	71	-22.7	-9.1	-19.2
NEW YORK WESTERN	88	111	105	115	125	109	112	137	73	-10.4	3.8	-9.8
NEW YORK METROPOLITAN 3/	137	149	162	202	202	170	184	202	86	-8.9	8.2	-9.8
NORTH CAROLINA	132	188	181	200	204	181	202	202	87	-1.0	11.5	-1.0
NORTH DAKOTA 3/	35	33	37	23	27	33	29	57	74	7.4	-12.1	-43.1
OHIO	227	313	344	354	398	327	321	495	68	-1.8	19.6	-21.0
OKLAHOMA	137	145	113	84	105	117	103	179	79	-2.8	-12.0	-42.1

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF ORIGIN (1942-1944) FOR MONTH OF OCTOBER 1945

STATE	1942	1943	1944	1945	1946	1947	5-YEAR AVERAGE	IN	RECORD HIGH	CITY	YE	1947	5-YEAR AVERAGE	PERCENT CHANGE FROM PREVIOUS YEAR TO
OREGON	74	67	72	72	70	72	72	74	101	74	73	-2.3	11.1	-13.7
PENNSYLVANIA EASTERN	154	186	201	201	237	201	201	256	266	266	89	12.2	10.3	0.0
PENNSYLVANIA WESTERN	120	156	147	147	159	147	147	129	154	154	74	-20.4	-12.2	-21.3
RHODE ISLAND 3/	17	17	18	18	20	20	20	22	20	20	27	-31.4	10.0	-21.4
SOUTH CAROLINA	78	100	97	97	119	97	97	114	115	115	87	-0.9	16.3	-0.8
SOUTH DAKOTA	39	40	43	43	37	41	41	47	65	65	79	27.0	14.6	-23.4
TENNESSEE	132	133	156	156	134	156	156	165	198	198	79	-10.3	7.1	-11.7
TEXAS	953	736	869	869	756	756	756	614	953	953	79	-19.3	-23.0	-13.7
UTAH	94	111	112	112	91	100	100	67	112	112	85	-26.4	-12.0	-43.2
VERMONT 3/	16	22	21	21	17	19	19	22	22	22	84	20.4	13.9	0.0
VIRGINIA	148	210	208	208	276	216	216	243	276	276	87	-12.0	12.5	-12.0
WASHINGTON	117	123	124	124	145	129	129	109	214	214	79	-24.8	-19.5	-48.1
WEST VIRGINIA	42	41	43	43	55	47	47	35	83	83	71	-35.2	-25.5	-50.7
WISCONSIN	160	174	163	163	200	184	184	202	266	266	73	1.0	2.2	-24.4
WYOMING	38	49	45	45	34	40	40	25	54	54	81	-26.5	-37.5	-53.7
PUERTO RICO	77	87	79	79	117	94	94	114	156	156	73	-2.6	21.3	-31.3
FOREIGN COUNTRIES	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
UNDISTRIBUTED 5/	40	44	32	32	27	35	35	33	61	61	75	22.2	-1.7	-43.6
TOTAL	7342	8142	8668	8668	9208	8565	8565	9986	9445	9445	73	-5.2	1.7	-13.5

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 (1983-1985) FOR MONTH OF OCTOBER 1/ PAGE 5

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		1987	-PERCENT CHANGE FROM--	
								QTY.	YF		5-YEAR AVG	RECORD YEAR
ALABAMA	8	9	9	11	13	10	9	14	76	-30.8	-10.0	-35.7
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	3	4	5	4	4	3	7	77	-25.0	-25.0	-57.1
CALIFORNIA NORTHERN	1	4/	4/	1	1	1	1	1	79	0.0	0.0	-100.0
CALIFORNIA SOUTHERN	3	2	2	2	2	2	1	1	72	0.0	0.0	0.0
COLORADO	1	2	2	2	3	2	1	4	73	-50.0	-50.0	-75.0
CONNECTICUT 2/	1	1	1	1	1	1	2	3	87	-33.3	0.0	-33.3
DELAWARE 2/	4/	4/	4/	4/	4/	4/	4/	2	88	100.0	100.0	0.0
DISTRICT OF COLUMBIA 2/	37	44	20	46	23	43	50	50	88	6.4	15.3	0.0
FLORIDA	17	21	1	23	23	21	19	23	87	-17.4	-9.5	-17.4
GEORGIA	4/	1	4/	1	1	1	1	1	73	0.0	0.0	0.0
HAWAII	4/	4/	4/	4/	4/	4/	4/	2	75	0.0	0.0	-100.0
IDAHO	7	8	9	10	11	9	10	14	78	-9.1	11.1	-37.5
ILLINOIS	7	8	9	10	11	9	10	14	78	0.0	11.1	-37.5
INDIANA	1	1	1	1	1	1	1	1	78	0.0	11.1	-28.6
IOWA	2	2	2	2	2	2	2	4	75	0.0	0.0	-75.0
KANSAS	2	2	2	2	2	2	2	4	78	0.0	0.0	-50.0
KENTUCKY	9	9	9	9	10	9	9	15	78	-10.0	0.0	-40.0
LOUISIANA	6	7	6	4	4	5	3	11	78	-25.0	-40.0	-72.7
MAINE	1	1	1	1	1	1	1	2	73	0.0	0.0	-50.0
MARYLAND	10	13	12	17	16	14	13	17	86	-18.8	-7.1	-23.5
MASSACHUSETTS 2/	4	5	5	5	5	5	4	6	86	-20.0	-20.0	-33.3
MICHIGAN	8	11	13	13	15	12	14	19	79	-5.7	15.7	-22.2
MINNESOTA 2/	4	4	5	5	5	5	5	7	78	0.0	0.0	-28.6
MISSISSIPPI	5	6	5	5	5	5	4	5	75	-20.0	-20.0	-58.5
MISSOURI	4	5	4	5	5	5	4	7	78	-20.0	-20.0	-42.5
MONTANA	4/	4/	4/	4/	4/	4/	4/	4/	77	0.0	0.0	0.0
NEBRASKA	1	1	1	1	1	1	1	1	75	0.0	0.0	-50.0
NEVADA	1	1	2	2	1	1	1	4/	84	0.0	0.0	0.0
NEW HAMPSHIRE 2/	1	1	2	2	1	1	1	2	72	-22.2	-12.5	-30.0
NEW JERSEY 2/	6	7	6	10	9	9	7	10	86	0.0	0.0	0.0
NEW MEXICO	1	1	1	1	1	1	1	1	73	0.0	0.0	-20.0
NEW YORK EASTERN	2	4	4	3	5	4	5	5	86	-20.0	0.0	0.0
NEW YORK WESTERN	4	5	5	4	6	5	5	7	73	-15.7	0.0	-23.5
NEW YORK METROPOLITAN 2/	5	5	5	4	6	5	5	6	87	-16.7	-15.7	-17.5
NORTH CAROLINA	16	24	23	20	27	23	23	24	73	-16.7	0.0	0.0
NORTH DAKOTA 2/	1	1	1	1	1	1	1	1	74	0.0	0.0	0.0
OHIO	11	15	16	19	20	15	15	25	77	-5.0	18.8	-24.0
OKLAHOMA	5	3	4	3	3	4	3	7	75	0.0	-13.3	-57.1

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

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		1987	5-YEAR AVG	RECORD YEAR
								QTY.	YR			
OREGON	4/	4/	4/	4/	4/	4/	4/	4/	79	0.0	0.0	0.0
PENNSYLVANIA EASTERN	5	6	7	7	8	7	9	9	88	12.5	28.5	0.0
PENNSYLVANIA WESTERN	6	7	8	9	9	8	7	11	78	-22.2	-12.5	-36.4
RHODE ISLAND 2/	4/	1	4/	1	1	1	1	1	87	0.0	0.0	0.0
SOUTH CAROLINA	10	12	11	13	14	12	12	15	72	-14.3	0.0	-26.0
SOUTH DAKOTA	4/	4/	4/	4/	4/	4/	4/	1	78	0.0	0.0	-100.0
TENNESSEE	12	13	15	19	19	16	16	23	78	-15.8	0.0	-30.4
TEXAS	25	23	23	13	15	20	13	26	79	-13.3	-35.0	-50.0
UTAH	4/	4/	4/	4/	4/	4/	4/	4/	77	0.0	0.0	0.0
VERMONT 2/	4/	1	4/	1	1	1	1	1	75	0.0	0.0	0.0
VIRGINIA	11	17	16	23	22	18	19	24	73	-13.6	5.6	-20.8
WASHINGTON	1	1	1	1	1	1	4/	1	80	-100.0	-100.0	-100.0
WEST VIRGINIA	3	3	3	4	3	3	2	7	78	-33.3	-33.3	-71.4
WISCONSIN	4	4	5	5	5	5	5	8	78	0.0	0.0	-37.5
WYOMING	4/	4/	4/	4/	4/	4/	4/	4/	77	0.0	0.0	0.0
PUERTO RICO	3/	3/	3/	3/	3/	3/	3/	3/	00	0.0	0.0	0.0
FOREIGN COUNTRIES	8	9	10	9	10	9	10	10	88	0.0	11.1	0.0
UNDISTRIBUTED 5/	278	328	332	366	373	335	338	424	78	10.7	-0.6	-21.5
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. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
SEPTEMBER 1948 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	GERMANY									
	---WEST---	---GREECE---	---HONDURAS---	---ITALY---	---JAPAN---	KOREA, REPUBLIC OF---	LEEWARD AND-- WINDWARD---	---MEXICO---		
ANCHORAGE, ALASKA-----										
BALTIMORE, MD.-----		18,107								28,932
BOSTON, MASS.-----		32,145								
BUFFALO, N.Y.-----										
CHARLESTON, S.C.-----										
CHICAGO, ILL.-----										
CLEVELAND, OHIO-----										
DETROIT, MICH.-----										
DULUTH, MINN.-----										
EL PASO, TEX.-----										
GREAT FALLS, MONT.-----										
HONOLULU, HAWAII-----	19				25,243					
HOUSTON, TEX.-----										
LAREDO, TEX.-----										
LOS ANGELES, CALIF.-----	15	43,341			113,787	28,492				13,923
MIAMI, FLA.-----										25,320
MOBILE, ALA.-----										24,721
NEW ORLEANS, LA.-----										28,440
NEW YORK CITY, N.Y.-----		101,820								11,559
NOGALES, ARIZ.-----										35,987
NORFOLK, VA.-----		12,585								
OGDENSBURG, N.Y.-----										
PEMBINA, N. DAK.-----										
PHILADELPHIA, PA.-----	21	20,883								49,257
PORTLAND, MAINE-----										19,154
PORTLAND, OREG.-----		23,489			21,991					
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, N.C.-----										
SEPTEMBER:										
QUANTITY 4/-----	65	253,370			200,135	28,492				370,506
VALUE 5/-----	\$34,500	\$8,484,357			\$6,184,649	\$805,615				\$11,219,765
YEAR-TO-DATE:										
QUANTITY 4/-----	166	1,797,097			1,370,136	402,671				3,560,578
VALUE 5/-----	\$132,601	\$60,871,465			\$5,518	\$44,571,558	\$11,335,740			\$6,945 \$110,291,032

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

CUSTOMS DISTRICT	1	2	3	4
ANCHORAGE, ALASKA-----	1,034	25,971		
BALTIMORE, MD.-----	62,150	266,145		
BOSTON, MASS.-----	49,542	315,864		
BUFFALO, N.Y.-----	80,192	730,210		
CHARLESTON, S.C.-----		133,828		
CHICAGO, ILL.-----		61		
CLEVELAND, OHIO-----	8,257	115,574		
DETROIT, MICH.-----	78,645	493,358		
DULUTH, MINN.-----	15,959	111,314		
EL PASO, TEX.-----	39,233	339,234		
GREAT FALLS, MONT.-----		81		
HONOLULU, HAWAII-----	25,243	121,937		
HOUSTON, TEX.-----	19	240,208		
LAREDO, TEX.-----	13,823	178,105		
LOS ANGELES, CALIF.-----	166,700	1,289,583		
MIAMI, FLA.-----	156,009	1,058,362		
MOBILE, ALA.-----	24,721	386,348		
NEW ORLEANS, LA.-----	82,898	912,512		
NEW YORK CITY, N.Y.-----	178,840	973,093		
NOGALES, ARIZ.-----	39,987	314,226		
NORFOLK, VA.-----	31,990	374,004		
OGDENSBURG, N.Y.-----	33,876	204,573		
PEMBINA, N. DAK.-----	25,693	140,236		
PHILADELPHIA, PA.-----	96,992	284,930		
PORTLAND, MAINE-----	1,381	12,604		
PORTLAND, OREG.-----	21,991	125,050		
PROVIDENCE, R.I.-----	38,652	226,154		
SAN DIEGO, CALIF.-----	49,257	485,467		
SAN FRANCISCO, CALIF.-----	19,154	240,718		
SAN JUAN, P.R.-----	442	66,361		
SAVANNAH, GA.-----		63,347		
SEATTLE, WASH.-----	103,911	635,228		
ST. ALBANS, VT.-----	70,822	408,015		
TAMPA, FLA.-----	167,867	1,693,573		
VIRGIN ISLANDS OF U.S.-----		57,635		
WILMINGTON, N.C.-----	15,474	67,941		

SEPTEMBER:
QUANTITY 4/----- 1,705,811
VALUE 5/----- \$60,857,035

YEAR-TO-DATE:
QUANTITY 4/----- 13,091,352
VALUE 5/----- \$461,698,934

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 POUNDING.
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
SEPTEMBER 1968 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	--VENEZUELA--	-----T O T A L 3/-----
	--SEPTEMBER--	---TO DATE---
BUFFALO, N.Y.	W	W
DETROIT, MICH.	W	W
EL PASO, TEX.	632	6,023
HOUSTON, TEX.	1,111	14,131
LAREDO, TEX.		12,969
LOS ANGELES, CALIF.	3,989	11,027
MIAMI, FLA.	1,001	10,758
NEW YORK CITY, N.Y.		11,267
NOGALES, ARIZ.		155
NORFOLK, VA.		15,624
ODGENSBURG, N.Y.		51
PEMBINA, N. DAK.	1,972	1
PHILADELPHIA, PA.	1,953	7,801
SAN DIEGO, CALIF.	442	14,260
SAN JUAN, P.R.		12,855
SAVANNAH, GA.		16,984
TAMPA, FLA.	W	W
VIRGIN ISLANDS OF U.S.		4,062

SEPTEMBER:
QUANTITY 3/-----
VALUE 4/-----

33,179
13,246,842

YEAR-TO-DATE:

QUANTITY 3/-----
VALUE 4/-----

14,271
\$539,705

273,250
\$25,208,770

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

CUSTOMS DISTRICT	---CANADA---	---COLOMBIA---	---FRANCE---	---GREECE---	-----JAPAN-----	---MEXICO---	---PANAMA---	-----SPAIN-----
BUFFALO, N.Y.-----								
CHARLESTON, S.C.-----								
DETROIT, MICH.-----	55,338				25,243			
HONOLULU, HAWAII-----						1,785		
LAREDO, TEX.-----						24,721		
MOBILE, ALA.-----								
NEW ORLEANS, LA.-----			12,023					
NORFOLK, VA.-----								
OGDENSBURG, N.Y.-----								
PHILADELPHIA, PA.-----								
PORTLAND, MAINE-----								
SAN JUAN, P.R.-----								
SEATTLE, WASH.-----	812							45,000
TAMPA, FLA.-----			36,342					
SEPTEMBER:								
QUANTITY 3/-----	57,150		48,965		25,243	26,506		45,000
VALUE 4/-----	\$1,832,319		\$1,333,124		\$804,935	\$662,373		\$1,381,556
YEAR-TO-DATE:								
QUANTITY 3/-----	313,756	17,097	305,551	52,641	109,812	384,093	567	270,335
VALUE 4/-----	\$10,350,935	\$535,095	\$11,004,343	\$1,101,015	\$3,340,435	\$8,617,405	\$31,198	\$8,870,886

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

CUSTOMS DISTRICT	UNITED KINGDOM		TOTAL 3/	
	SEPTEMBER	SEPTEMBER	SEPTEMBER	SEPTEMBER
BUFFALO, N.Y.			3,381	
CHARLESTON, S.C.			133,819	
DETROIT, MICH.			285,175	
HONOLULU, HAWAII	56,336	25,243	103,812	
LAREDO, TEX.		1,788	22,656	
MOBILE, ALA.		24,721	364,348	
NEW ORLEANS, LA.		12,023	111,049	
NORFOLK, VA.			24,679	
OGDENSBURG, N.Y.			373	
PHILADELPHIA, PA.	45,000		45,000	
PORTLAND, MAINE			2,397	
SAN JUAN, P.R.			17,097	
SEATTLE, WASH.	812		11,786	
TAMPA, FLA.	36,942		300,208	

SEPTEMBER:

QUANTITY 3/-----
VALUE 4/-----

202,864
\$6,014,307

YEAR-TO-DATE:

QUANTITY 3/-----
VALUE 4/-----

120
\$29,380

1,453,972
\$44,079,795

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	1,751	11	NA	65.48
Sep	9,295	NA	1,706	10	NA	64.42
Oct	9,218	NA	NA	NA	NA	64.27

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.