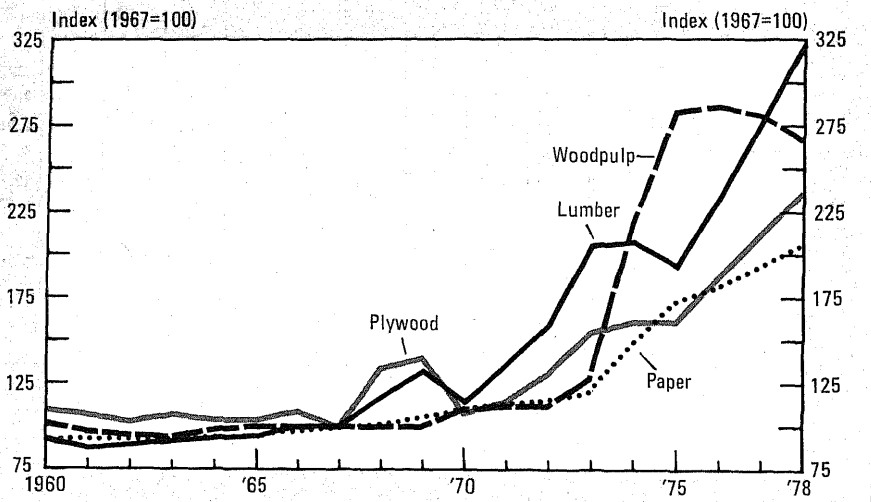
Figure 25.1

Selected Timber Products—Producer Price Indexes: 1960 to 1978

(See table 1275)

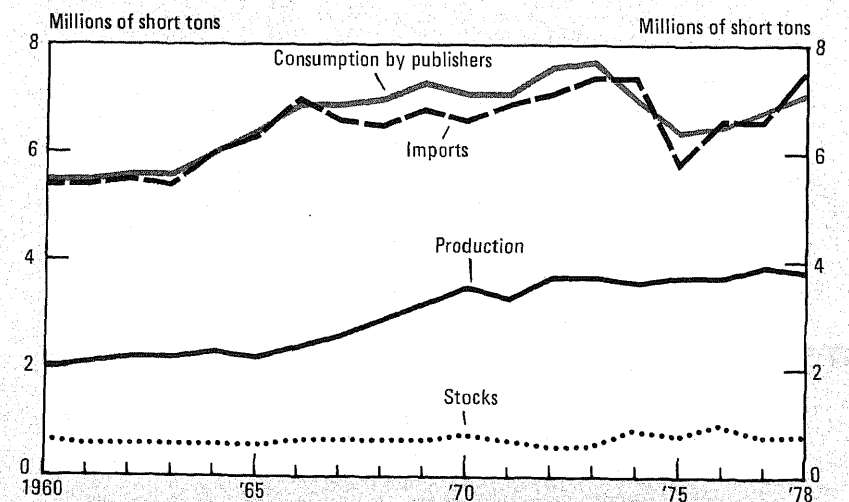


Source: Chart prepared by U.S. Bureau of the Census. Data from U.S. Bureau of Labor Statistics.

Figure 25.2

Newsprint—Production, Stocks, Consumption, and Imports: 1960 to 1978

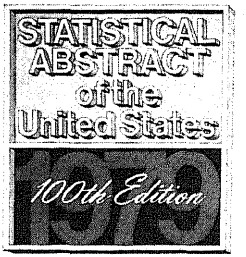
(See table 1284)



Source: Chart prepared by U.S. Bureau of the Census.
Data from U.S. Bureau of Economic Analysis.

Section 25

Forests and Forest Products



This section presents data on area and ownership of commercial forest land, and on growing stock and volume of timber on it; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, turpentine, and rosin, and similar data.

The principal sources of these data are *Forest Statistics of the U.S., 1977* by the Forest Service of the Department of Agriculture, and *The Demand and Price Situation for Forest Products, National Forest System,* and *Wildfire Statistics,* issued annually by the Forest Service; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every five years) and the monthly and annual *Current Industrial Reports,* issued by the Bureau of the Census. Additional information is published in the *Annual Report* of the National Forest Reservation Commission; the monthly and annual *Naval Stores* of the Department of Agriculture's Economics, Statistics, and Cooperatives Service; the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and the annual *Wood Pulp Statistics* and *The Statistics of Paper and Paperboard* of the American Paper Institute, New York, N.Y.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of Labor Statistics publishes monthly and annual statistics of wholesale lumber prices.

The completeness and reliability of statistics on forests and forest products vary considerably. The data for forest land area and stand volumes are much more reliable for areas which have been recently surveyed than for those for which only estimates are available. Estimates of fire damage or causes of fires for Federal lands are considered much better than those for private lands. In general, more data are available for lumber and other manufactured products such as veneer and plywood, etc., than for the primary forest products such as poles and piling and fuelwood.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix I.

No. 1265. National Forest Lands and Purchases: 1950 to 1976

[Area as of **June 30**, except **1976** as of **Sept. 30**; purchases for years ending **June 30**, except as noted. Includes Puerto Rico. Lands to be purchased must be approved by National Forest Reservation Commission, which also sets prices on such lands. Actual purchases are made by U.S. Department of Agriculture. See also *Historical Statistics, Colonial Times to 1970,* series L 10–14]

ITEM	1950	1955	1960	1965	1970	1973	1974	1975	1976
Gross area [1] ..... mil. acres	229	236	227	226	226	226	226	226	226
National Forest System ..... mil. acres	181	188	186	187	187	187	187	188	188
Approved for purchase ..... 1,000 acres	61	19	8	29	92	117	25	11	[2] 43
Average price per acre ..... dollars	9	10	15	47	125	149	245	283	285
Total price ..... mil. dol	.5	.2	.1	1.3	11.5	17.5	6.0	3.2	12.3
Purchases completed ..... 1,000 acres	97	12	8	33	113	104	31	34	[2] 39
Average price per acre ..... dollars	7	12	31	39	96	150	207	268	282
Total price ..... mil. dol	.7	.1	.2	1.3	10.9	15.6	6.4	9.0	10.9
Gross area of purchase units ..... mil. acres	53	62	56	56	56	56	56	56	[2] 56
Purchase completed, net area [3] ..... mil. acres	19	19	19	19	20	20	20	20	[2] 20
Average price per acre ..... dollars	4	4	4	4	6	8	9	9	10
Total price ..... mil. dol	71	73	75	79	125	163	170	179	190

[1] Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, experimental areas, and land utilization projects. [2] For 15 months ending Sept. 30.
[3] Cumulative totals. Under the March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. Forest Service, *National Forest System,* annual; and U.S. National Forest Reservation Commission, *Annual Report.*

No. 1266. Forest Land—Total and Commercial Area, Volume of Sawtimber, and Growing Stock: 1953 to 1977

[**Area in millions of acres; sawtimber in billions of board feet; growing stock in billions of cubic feet.** As of **Jan. 1.** For composition of regions, see table 1268]

Year and region	Total forest land	Commercial timberland, ownership [1]					Net volume of sawtimber [2]			Growing stock, net
		All ownerships	Federally owned or managed [3]	State, county, and municipal	Private		Total	Softwood	Hardwood	
					Total	Percent of total				
United States, 1953	**664**	**489**	**103**	**27**	**358**	**73.3**	**2,057**	**1,648**	**409**	**517**
North	209	174	13	19	142	81.4	266	59	207	111
South	197	193	14	2	177	91.4	357	183	174	114
West	258	121	76	5	40	33.0	1,434	1,406	28	292
United States, 1963	**759**	**509**	**113**	**29**	**367**	**72.1**	**2,537**	**2,058**	**479**	**628**
North	178	172	13	19	140	81.4	310	67	243	136
South	220	201	14	3	184	91.6	412	225	187	134
West	360	136	87	6	43	31.6	1,815	1,767	48	357
United States, 1970	**754**	**500**	**107**	**29**	**364**	**72.8**	**2,421**	**1,905**	**515**	**649**
North	186	178	12	20	146	82.1	332	80	252	156
South	212	193	14	3	175	91.0	484	276	208	160
West	355	129	81	6	42	32.7	1,605	1,549	56	334
United States, 1977 [4]	**740**	**488**	**106**	**31**	**351**	**72.0**	**2,569**	**1,983**	**586**	**713**
North	181	171	12	19	139	81.7	358	97	261	176
South	207	188	14	3	171	90.6	606	340	266	201
West	352	129	79	9	41	31.9	1,605	1,546	59	336

[1] See footnote 1, table 1268. [2] See footnote 2, table 1268. [3] Includes Indian land. [4] Preliminary.

Source: U.S. Forest Service, *Timber Resources in America's Future*, 1958; *Timber Trends in the United States*, 1965; *The Outlook for Timber in the United States*, 1973; and *Forest Statistics of the U.S., 1977*.

No. 1267. National Forest System—Summary: 1960 to 1978

[Through **1976**, for years ending **June 30**, except as noted; thereafter, ending **Sept. 30.** Includes Alaska and Puerto Rico, except as noted. See *Historical Statistics, Colonial Times to 1970*, series J 33–34, for similar but not comparable grazing data, and L 15–31]

Item	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Timber cut, total value ... mil. dol.	157.1	161.9	308.6	382.9	480.1	509.9	368.4	495.4	735.9	858.5
Commercial and cost sales: [1]										
Volume ... mil. bd. ft.	9,367	11,244	11,527	11,700	12,357	10,958	9,174	9,575	10,482	10,080
Value ... mil. dol.	156.4	161.1	307.6	382.0	479.2	508.6	366.0	492.0	732.5	854.7
Free use: Volume ... mil. bd. ft.	123	191	179	179	190	449	618	[2] 1,080	1,028	1,221
Value [3] ... mil. dol.	.2	.3	.3	.4	.4	.8	1.1	[2] 2.1	2.4	2.6
Misc. forest products, value ... mil. dol.	.5	.5	.7	.5	.5	.5	1.4	1.2	1.0	1.2
Livestock grazing: [4]										
Cattle and horses [5] ... 1,000	1,307	1,376	1,607	1,633	1,571	1,580	1,626	[2] 1,690	1,587	1,557
Sheep and goats ... 1,000	2,574	2,112	2,105	2,049	1,598	1,470	1,549	[2] 1,750	1,473	1,284
Roads and trails:										
Road construction [6] ... miles	851	1,613	942	844	527	36	136	168	1,021	793
Trail construction [6] ... miles	142	671	278	542	858	358	298	270	1,222	2,119
Expenditures ... mil. dol.	43.2	105.5	155.1	174.9	157.5	131.1	157.7	167.6	247.5	279.6
Receipts, total ... mil. dol.	148.2	149.2	299.7	350.0	469.7	485.7	373.1	454.7	691.6	765.4
Timber use ... mil. dol.	140.1	138.8	283.9	330.0	446.7	459.9	341.3	418.6	652.1	723.3
Grazing use ... mil. dol.	4.5	3.5	4.4	5.5	6.2	7.8	7.7	10.9	11.4	11.0
Special land use, etc ... mil. dol.	3.6	6.9	11.4	14.5	16.8	18.0	24.1	25.2	28.1	31.0
Payments to local gov't [7] ... mil. dol.	36.1	36.2	72.8	85.6	114.6	118.7	91.0	111.2	225.9	240.6
25-percent fund [8] ... mil. dol.	35.4	35.5	71.9	84.7	113.7	117.5	89.8	109.5	224.1	238.9
Other [9] ... mil. dol.	.7	.7	.9	.9	.9	1.2	1.2	1.7	1.8	1.7
Allotments to Forest										
Service, total [10] ... mil. dol.	14.9	15.0	29.5	35.3	48.9	49.2	39.5	47.0	75.1	83.0
Roads and trails ... mil. dol.	14.2	14.2	28.8	33.9	45.5	47.0	35.9	43.8	66.0	73.5

[1] Includes land exchanges.
[2] For 15 months ending Sept. 30. [3] Includes some free use timber not reducible to board feet.
[4] For 1960–1972, data for livestock permitted to graze; 1973–1976, for authorized use; 1977–1978 for number actually grazed. Calendar-year data. Excludes Puerto Rico.
[5] Excludes animals under 6 months of age. 1973 excludes swine.
[6] Includes reconstruction. Through 1965, excludes national grasslands.
[7] Payments made in following year. Includes Puerto Rico.
[8] Includes Tongass Alaska suspense account.
[9] Includes Arizona and New Mexico School Fund, State of Minn. and receipts paid to counties under Bankhead-Jones Farm Tenant Act. [10] For use in following year.

Source: U.S. Forest Service. In *Agricultural Statistics*, annual, and unpublished data.

No. 1268. Forest Land Area, Commercial Area Ownership, and Volume of Sawtimber and Growing Stock, by States: 1977

[Preliminary. As of Jan. 1]

STATE	Total forest land (1,000 acres)	COMMERCIAL TIMBERLAND, OWNERSHIP [1] (1,000 acres)				SAWTIMBER, NET VOLUME [3]		GROWING STOCK, NET VOLUME [4]	
		Total	Federal, owned or managed [2]	State, county, municipal	Private	Total (mil. bd. ft.)	Soft-wood (mil. bd. ft.)	Total (mil. cu. ft.)	Soft-wood (mil. cu. ft.)
U.S.	**740,147**	**487,726**	**105,744**	**30,858**	**351,124**	**2,568,682**	**1,982,820**	**712,989**	**456,401**
North	**180,842**	**170,769**	**12,244**	**19,075**	**139,451**	**357,981**	**97,066**	**175,698**	**45,533**
N.E.	**32,491**	**31,015**	**770**	**1,088**	**29,158**	**76,245**	**44,244**	**42,162**	**23,689**
Conn.	1,861	1,806	2	144	1,659	5,869	1,305	2,662	425
Maine	17,749	16,894	73	238	16,583	36,856	25,676	22,918	16,366
Mass.	2,952	2,798	10	356	2,432	7,868	4,168	3,893	1,439
N.H.	5,014	4,692	472	108	4,112	14,564	8,607	7,286	3,526
R.I.	404	395	–	32	363	697	289	412	108
Vt.	4,512	4,430	213	209	4,008	10,391	4,199	4,990	1,826
M.A.	**51,852**	**48,215**	**1,517**	**4,474**	**42,223**	**104,194**	**17,436**	**57,789**	**7,756**
Del.	392	384	1	13	370	1,393	408	625	169
Md.	2,653	2,523	25	218	2,280	8,166	1,726	3,492	793
N.J.	1,928	1,857	28	291	1,538	3,127	575	1,534	251
N.Y.	17,378	14,489	58	835	13,597	26,673	7,980	13,563	3,604
Pa.	17,832	17,478	515	2,888	14,075	35,900	3,846	24,423	1,847
W. Va.	11,669	11,484	892	229	10,363	28,934	2,901	14,153	1,092
Lake	**53,270**	**49,984**	**7,017**	**12,731**	**30,236**	**92,590**	**30,717**	**45,032**	**12,391**
Mich.	19,270	18,778	2,472	3,947	12,359	42,441	13,205	19,214	5,061
Minn.	18,335	16,100	2,604	5,838	7,658	21,944	8,264	12,861	3,967
N. Dak.	422	405	114	10	281	474	–	257	–
S. Dak. (east)	335	223	74	3	146	448	66	134	23
Wis.	14,908	14,478	1,753	2,934	9,792	27,284	9,183	12,566	3,340
Central	**43,229**	**41,556**	**2,940**	**782**	**37,835**	**84,953**	**4,669**	**30,715**	**1,698**
Ill.	3,810	3,692	269	11	3,413	7,094	30	2,180	24
Ind.	3,943	3,815	239	171	3,405	10,967	255	3,758	87
Iowa	1,561	1,460	57	56	1,348	3,420	14	1,038	6
Kans.	1,344	1,187	27	10	1,151	2,020	1	584	1
Ky.	12,161	11,902	819	77	11,007	28,941	2,091	11,968	916
Mo.	12,876	12,289	1,313	219	10,757	15,269	1,292	6,022	392
Nebr.	1,029	789	67	12	710	1,737	510	442	119
Ohio	6,504	6,422	150	227	6,046	15,505	476	4,724	153
South	**207,072**	**188,433**	**14,485**	**3,257**	**170,691**	**605,763**	**339,972**	**201,081**	**96,805**
S.A.	**48,710**	**47,677**	**3,897**	**883**	**42,897**	**171,401**	**74,317**	**59,988**	**23,333**
N.C.	20,043	19,562	1,365	398	17,799	76,794	35,375	26,131	10,742
S.C.	12,249	12,176	862	233	11,081	40,837	22,809	14,201	7,079
Va.	16,417	15,939	1,670	252	14,017	53,771	16,134	19,657	5,512
E. Gulf	**42,296**	**40,142**	**3,040**	**620**	**36,482**	**112,478**	**74,078**	**40,134**	**24,405**
Fla.	17,040	15,330	1,623	492	13,215	31,950	21,129	11,733	7,525
Ga.	25,256	24,812	1,417	128	23,268	80,529	52,949	28,402	16,880
Ctr. Gulf	**51,434**	**51,045**	**2,935**	**1,027**	**47,083**	**152,828**	**86,321**	**50,756**	**23,068**
Ala.	21,361	21,333	800	209	20,324	69,396	46,509	22,240	12,339
Miss.	16,912	16,892	1,216	472	15,204	51,119	33,788	16,013	8,442
Tenn.	13,161	12,820	919	346	11,555	32,313	6,024	12,504	2,287
W. Gulf	**64,632**	**49,569**	**4,614**	**726**	**44,229**	**169,055**	**105,255**	**50,203**	**25,998**
Ark.	18,282	18,207	2,718	256	15,233	48,969	26,462	17,145	7,060
La.	14,558	14,527	694	309	13,525	63,996	39,179	17,724	9,573
Okla.	8,513	4,324	463	105	3,755	6,067	3,576	2,062	1,010
Tex.	23,279	12,513	740	56	11,717	50,025	36,039	13,272	8,356
West	**352,234**	**128,523**	**79,015**	**8,526**	**40,982**	**1,604,938**	**1,545,782**	**336,210**	**314,063**
Pac. NW	**172,349**	**53,507**	**29,544**	**5,701**	**18,262**	**950,053**	**909,792**	**186,526**	**173,149**
Alaska	119,145	11,150	8,423	2,438	289	188,858	184,406	43,073	40,620
Oreg.	30,023	24,435	14,193	997	9,245	430,899	412,086	79,950	74,729
Wash.	23,181	17,922	6,928	2,266	8,728	330,296	313,300	63,503	57,800
Pac. SW	**42,138**	**17,251**	**8,581**	**548**	**8,122**	**264,716**	**255,611**	**49,870**	**45,979**
Calif.	40,152	16,303	8,569	106	7,628	263,669	255,594	49,668	45,975
Hawaii	1,986	948	12	442	494	1,047	17	202	4
No. Rocky Mt.	**55,682**	**33,478**	**23,227**	**1,595**	**8,657**	**269,646**	**267,567**	**68,699**	**67,942**
Idaho	21,727	13,541	9,640	880	3,021	139,618	139,050	31,884	31,662
Mont.	22,559	14,359	9,260	534	4,565	97,334	96,238	27,977	27,691
S. Dak. (west)	1,367	1,244	958	70	215	5,615	5,597	1,643	1,627
Wyo.	10,028	4,334	3,369	111	855	27,080	26,683	7,195	6,963
So. Rocky Mt.	**82,065**	**24,287**	**17,663**	**682**	**5,941**	**120,524**	**112,812**	**31,116**	**26,993**
Ariz.	18,494	3,896	3,696	34	166	22,711	22,063	4,982	4,763
Colo.	22,271	11,315	7,962	234	3,118	54,941	50,684	15,036	12,624
Nev.	7,683	134	61	5	69	1,388	1,363	262	249
N. Mex.	18,060	5,538	3,439	171	1,927	25,919	24,346	6,395	5,796
Utah	15,557	3,405	2,505	239	661	15,566	14,357	4,440	3,562

– Represents zero. [1] All land producing, or capable of producing, usable crops of wood, economically available on date shown or prospectively, and not withdrawn from timber utilization. [2] Includes Indian lands. [3] International 1¼-inch log rule. Commercial species which contain at least one 12-foot saw log or two noncontiguous 8-foot saw logs. Softwoods must be at least 9 inches in diameter breast height. [4] All live trees, pole-timber trees, saplings, and seedlings meeting specified standards of quality or vigor excludes cull trees.

Source: U.S. Forest Service, *Forest Statistics of the U.S., 1977*.

No. 1269. National Forest Lands—States and Other Areas: 1978

[In thousands of acres. As of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series L 10-11]

STATE	Gross area within unit boundaries [1]	National forest system lands	Other lands within unit boundaries
Total	**226,201**	**187,819**	**38,382**
Ala	1,263	643	620
Alaska	20,777	20,594	183
Ariz	11,936	11,270	666
Ark	3,501	2,469	1,032
Calif	24,338	20,359	3,979
Colo	15,909	14,388	1,521
Conn	(Z)	(Z)	–
Fla	1,224	1,084	140
Ga	1,911	859	1,052
Idaho	21,667	20,411	1,256
Ill	840	258	582
Ind	645	183	462
Kans	108	108	–
Ky	2,100	663	1,437
La	1,017	597	420
Maine	94	52	42
Mich	4,870	2,714	2,156
Minn	5,466	2,795	2,671
Miss	2,311	1,139	1,172
Mo	3,082	1,457	1,625
Mont	19,088	16,768	2,320
Nebr	441	352	89
Nev	5,422	5,143	279
N. H	805	683	122
N. Mex	10,272	9,245	1,027
N. Y	13	13	–
N. C	3,166	1,156	2,010
N. Dak	1,106	1,106	–
Ohio	833	170	663
Okla	461	291	170
Oreg	17,449	15,605	1,844
Pa	743	509	234
S. C	1,381	608	773
S. Dak	2,269	1,995	274
Tenn	1,212	621	591
Tex	1,836	781	1,055
Utah	9,129	8,046	1,083
Vt	630	266	364
Va	3,228	1,610	1,618
Wash	10,027	9,070	957
W. Va	1,861	963	898
Wis	2,023	1,495	528
Wyo	9,691	9,252	439
Puerto Rico	56	28	28
Virgin Isls	(Z)	(Z)	–

– Represents zero. Z Less than 500 acres. [1] See footnote 1, table 1265.

Source: U.S. Forest Service, *National Forest System*, annual.

No. 1270. Wildfires—Summary: 1960 to 1978

[See also *Historical Statistics, Colonial Times to 1970*, series L 44-55]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978
ACREAGE (1,000)									
Protected area:									
Federal [1 2]	362,836	655,001	647,239	660,907	678,253	677,949	680,243	681,564	680,185
Area burned [1]	622	146	719	676	1,200	408	519	802	202
State and private [3 4]	402,800	472,023	520,501	626,523	708,129	726,356	737,228	748,692	773,772
Area burned	1,909	1,206	1,541	1,086	1,511	1,119	2,119	2,096	1,553
Unprotected area:									
Federal	–	55	65,537	54,232	54,232	54,232	54,232	54,232	54,232
State and private	32,030	30,294	45,751	63,959	63,835	70,848	101,192	98,501	93,972
Area burned	1,947	1,300	1,019	(NA)	(NA)	(NA)	2,472	(NA)	2,156
REPORTED FIRES (1,000)									
Total	103.4	113.7	121.7	118.0	145.9	134.9	241.7	174.0	218.9
On protected areas [4]	89.6	100.6	116.4	91.7	120.9	103.3	172.8	158.9	144.9
Percent of total	86.7	88.5	95.6	77.7	82.9	76.6	71.5	91.3	66.2
Federal area [5]	[6] 12.1	9.1	15.0	12.8	15.0	12.3	15.8	16.3	14.1
State and private	91.3	104.6	106.8	105.2	130.8	122.6	225.9	157.7	204.8
Protected	77.5	91.5	101.5	78.9	105.8	91.0	157.0	142.6	130.8
Unprotected	13.8	13.1	5.3	26.3	25.0	31.6	68.9	15.1	74.0
Cause of fires: [5]									
Incendiary (arson)	21.2	26.9	30.9	22.3	31.4	28.2	51.3	45.3	46.2
Debris burning	21.9	22.9	28.3	17.5	23.0	18.2	38.9	36.1	31.5
Smoking	16.0	16.5	14.5	10.4	13.4	10.5	17.7	15.4	13.2
Lightning	11.1	8.7	12.8	10.2	12.6	9.4	11.7	15.8	10.8
Caused by children	(NA)	(NA)	7.7	8.4	11.1	10.8	14.4	13.1	11.6
Railroads	3.9	(7)	6.8	6.1	7.2	5.2	10.8	8.1	6.9
Equipment use	(NA)	(NA)	3.4	4.4	5.7	4.6	7.7	6.7	7.1
Campfires	3.6	3.4	3.8	3.5	4.3	4.0	5.1	4.6	4.3
Miscellaneous [8]	12.0	22.1	8.1	8.9	12.1	12.4	15.2	13.7	13.3
FIRE PROTECTION EXPENDITURES [3 9] (mil. dol.)									
Total funds	56.6	76.6	113.5	136.9	150.4	169.0	189.8	217.0	216.9
Federal	9.4	12.8	16.4	20.0	20.1	25.2	22.6	20.7	30.0
State and county	45.1	62.6	95.3	116.0	130.3	143.9	167.1	196.3	186.9
Private	2.2	1.2	1.8	.8					

– Represents zero. NA Not available. [1] Comprises land administered by U.S. Dept. of Agriculture, U.S. Dept. of Interior, and Tennessee Valley Authority, etc. [2] Beginning 1965, includes nonforest watershed areas under U.S. Dept. of Interior protection. [3] 1960 excludes Alaska; 1975 and 1977 include Guam. [4] Includes nonforest watershed areas. [5] For protected areas only. [6] Excludes nonforested watershed lands under U.S. Dept. of Interior protection. [7] Included in various other classifications. [8] 1960, lumbering included in "Miscellaneous"; thereafter in various other classifications; no previous breakdown was shown for fires caused by children. [9] For fire protection on State, county, and private lands only; years ending June 30, through 1976; thereafter, ending Sept. 30.

Source: U.S. Forest Service, *Wildfire Statistics*, annual, and unpublished data.

No. 1271. Forest Tree Distribution and Forest Management: 1960 to 1977

[For years ending **June 30** except, beginning **1976**, ending **Sept. 30.** See also *Historical Statistics, Colonial Times to 1970*, series L 32-43]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977
Forest trees distributed [1] ..... millions	845	509	495	553	581	540	578	506	657
Costs, total $1,000	6,573	6,865	8,544	5,810	6,200	6,890	5,537	(NA)	(NA)
Federal contributions $1,000	186	216	197	175	214	216	225	143	145
State expenditures $1,000	6,387	6,649	8,347	5,636	5,986	6,674	5,312	(NA))	(NA)
Acreage planted [2] 1,000	2,137	1,325	1,600	1,680	1,750	1,604	1,931	1,892	1,978
Forest management program: [3]									
Woodland owners assisted 1,000	82	99	115	274	106	118	141	105	134
Woodland involved ..... 1,000 acres	4,116	6,165	6,945	11,158	6,472	7,106	10,369	4,085	4,614
Products harvested ..... mil. bd. ft.	596	717	1,226	956	1,579	907	678	597	921
Gross sale value ..... mil. dol.	14	17	32	24	38	44	28	(NA)	(NA)
Expenditures, total ..... mil. dol.	3.9	6.8	11.6	14.6	16.5	19.4	22.4	23.3	(NA)
Federal ..... mil. dol.	1.4	2.7	3.7	4.3	4.1	4.3	4.7	4.7	5.5
State ..... mil. dol.	2.5	4.1	8.0	10.3	12.4	15.2	17.8	18.6	(NA)

NA Not available. [1] Provided by Clark-McNary Program Act of June 7, 1924 as amended. [2] Includes areas planted by direct seeding; excludes areas satisfactorily reforested or established as wind barriers because some of the plantings or seedlings are not successful. [3] Under the Cooperative Forest Management Act of August 25, 1950, and related legislation.

Source: U.S. Forest Service. In U.S. Dept. of Agriculture, *Agricultural Statistics*, annual.

No. 1272. Timber Products—Production, Foreign Trade, and Consumption, by Type of Product: 1960 to 1977

[**In millions of cubic feet, roundwood equivalent.** See also *Historical Statistics, Colonial Times to 1970*, series L72-86]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977, prel.
Industrial roundwood:									
Domestic production [1]	8,920	10,540	11,120	11,370	11,665	11,200	10,175	11,385	11,300
Softwoods	6,925	8,110	8,655	8,885	9,030	8,555	8,075	9,010	9,020
Hardwoods	1,995	2,430	2,470	2,490	2,640	2,650	2,700	2,375	2,280
Imports	1,675	2,100	2,425	3,045	3,105	2,695	2,145	2,735	3,175
Exports	455	715	1,370	1,360	1,475	1,520	1,390	1,560	1,480
Apparent consumption [2]	10,145	11,930	12,180	13,060	13,300	12,380	10,930	12,555	12,995
Softwoods	8,065	9,385	9,615	10,365	10,490	9,680	8,800	10,120	10,650
Hardwoods	2,080	2,545	2,565	2,695	2,815	2,700	2,130	2,440	2,350
Lumber:									
Domestic production	[3] 5,080	5,670	5,355	5,605	5,730	5,145	4,850	5,475	5,565
Imports	610	815	955	1,405	1,425	1,085	885	1,230	1,600
Exports	135	145	200	215	295	265	240	275	255
Apparent consumption	5,560	6,340	6,110	6,795	6,860	5,965	5,495	6,430	6,915
Plywood and veneer:									
Domestic production	705	1,030	1,070	1,360	1,310	1,140	1,205	1,380	1,425
Imports	60	100	170	265	220	150	160	195	195
Exports	(Z)	5	15	25	40	45	65	60	30
Apparent consumption	765	1,125	1,225	1,600	1,490	1,240	1,300	1,515	1,585
Pulp products:									
Domestic production	2,575	3,095	3,835	3,485	3,690	4,125	3,380	3,635	3,425
Imports	985	1,175	1,280	1,365	1,455	1,450	1,090	1,295	1,360
Exports	275	380	720	625	630	795	665	715	710
Apparent consumption	3,290	3,890	4,395	4,225	4,515	4,780	3,800	4,220	4,070
Logs: Imports	20	10	25	5	5	15	15	15	25
Exports	45	190	430	495	505	415	420	510	485
Apparent consumption, miscel.[4]	510	560	425	430	425	380	325	380	400
Fuelwood, apparent consumption	**1,300**	**915**	**540**	**475**	**500**	**535**	**575**	**600**	**635**

Z Less than 500,000 cubic feet. [1] Includes log exports and other products.
[2] Includes log imports and other products. [3] Excludes Alaska and Hawaii.
[4] Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc.

No. 1273. Timber Products—Per Capita Consumption: 1950 to 1977

[Based on total population estimated as of **July 1.** See also *Historical Statistics, Colonial Times to 1970*, series L87-97]

PRODUCT	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976	1977, prel.
All products ..... **cu. ft.**	**80.0**	**73.8**	**63.3**	**66.1**	**62.1**	**64.8**	**65.6**	**60.9**	**53.9**	**61.2**	**62.9**
Industrial roundwood ..... cu. ft.	65.1	63.3	56.1	61.4	59.4	62.5	63.2	58.4	51.2	58.4	59.9
Lumber ..... cu. ft.	41.8	37.5	30.8	32.7	29.8	32.5	32.6	28.2	25.7	29.9	31.9
Plywood and veneer ..... cu. ft.	2.3	3.7	4.2	5.8	6.0	7.7	7.1	5.9	6.1	7.1	7.3
Pulp products ..... cu. ft.	15.6	18.1	18.2	20.0	21.5	20.2	21.5	22.6	17.8	19.6	18.8
Miscellaneous products ..... cu. ft.	5.1	3.8	2.8	2.9	2.1	2.1	2.0	1.8	1.5	1.8	1.8
Fuelwood ..... cu. ft.	14.9	10.5	7.2	4.7	2.6	2.3	2.4	2.5	2.7	2.8	2.9
Lumber ..... bd. ft.	269	242	199	212	193	219	219	189	173	201	213
Plywood and veneer ..... bd. ft.	13.5	21.9	25.4	34.9	36.1	46.1	42.7	35.6	37.1	42.9	44.5
Pulp products ..... cords (128 cu. ft.)	.2	.2	.2	.3	.3	.3	.3	.3	.2	.3	.2

Source of tables 1272 and 1273: U.S. Forest Service, *The Demand and Price Situation for Forest Products*, annual.

No. 1274. Timber Products—Industrial Roundwood Summary: 1960 to 1977

[**In millions of cubic feet, roundwood equivalent.** See also *Historical Statistics, Colonial Times to 1970*, series L 72-86]

Year	Domestic production				Apparent consumption				
	Total [1]	Lumber	Plywood and veneer	Pulp products	Total [2]	Lumber	Plywood and veneer	Pulp products	Miscellaneous [3]
1960	8,920	[4] 5,080	705	2,575	10,145	5,560	765	3,290	510
1965	10,540	5,670	1,030	3,095	11,930	6,340	1,125	3,890	560
1970	11,120	5,355	1,070	3,835	12,130	6,110	1,225	4,395	425
1971	11,100	5,495	1,225	3,560	12,620	5,465	1,430	4,265	450
1972	11,370	5,605	1,360	3,485	13,060	6,795	1,600	4,225	430
1973	11,665	5,730	1,310	3,690	13,300	6,860	1,490	4,515	425
1974	11,200	5,145	1,140	4,125	12,380	5,965	1,240	4,780	380
1975	10,175	4,850	1,205	3,380	10,930	5,495	1,300	3,800	325
1976	11,385	5,475	1,380	3,635	12,555	6,430	1,515	4,220	380
1977, prel	11,300	5,565	1,425	3,425	12,995	6,915	1,585	4,070	400

[1] Includes log exports and other products. [2] Includes log imports and other products. [3] Cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc. [4] Excludes Alaska and Hawaii.

Source: U.S. Forest Service, *The Demand and Price Situation for Forest Products*, annual.

No. 1275. Selected Timber Products—Producer Price Indexes: 1960 to 1978

[**1967=100.** 1960 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 206-210]

Product	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Lumber products	**92**	**94**	**114**	**159**	**205**	**207**	**193**	**233**	**277**	**322**
Softwood lumber	93	93	113	168	214	211	201	248	297	346
Douglas fir	89	92	109	161	210	214	212	251	291	340
Southern pine	94	91	115	152	188	185	175	217	263	305
Ponderosa pine, #3 boards	104	94	116	192	264	246	211	271	340	379
Hardwood lumber	91	97	115	126	169	190	160	176	200	236
Oak, red, flooring, select	99	108	113	128	202	203	159	(NA)	227	285
Gum #1, common	68	82	93	109	142	159	115	125	127	164
Poplar #1, common	80	86	105	108	150	173	121	131	137	163
Birch #1, common	89	96	91	96	123	140	122	127	137	144
Plywood	110	104	108	131	155	161	161	187	212	236
Softwood	113	106	114	155	194	187	201	248	296	326
Hardwood	105	101	103	104	113	130	120	123	128	140
Insulation board	114	98	111	119	122	134	144	161	178	203
Woodpulp	102	100	110	112	128	218	283	286	281	267
Paper	93	95	111	116	121	149	173	182	194	206
Paperboard	105	102	101	106	115	152	170	176	176	179
Containerboard	106	104	99	104	113	146	172	176	172	172
Hardboard and particleboard	104	104	93	96	106	115	114	124	141	171

NA Not available.

Source: U.S. Bureau of Labor Statistics. Current data in *Monthly Labor Review*.

No. 1276. Selected Species—Stumpage and Log Prices: 1960 to 1978

[**In dollars per 1,000 board feet.** Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199-205]

Species	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Softwoods:											
Douglas fir	32.00	42.60	41.90	49.00	71.70	138.10	202.40	169.50	176.20	225.90	250.30
Southern pine	34.50	31.70	44.10	52.20	65.60	93.40	76.20	57.00	87.00	100.30	134.50
Sugar pine	29.00	23.30	38.50	47.90	66.20	89.20	104.00	99.20	187.20	169.60	159.60
Ponderosa pine [1]	19.10	19.80	32.10	37.60	65.80	92.30	100.60	71.20	101.80	131.40	164.70
Western hemlock	10.50	19.10	20.50	20.60	49.00	99.20	110.80	68.80	79.70	89.30	113.60
Hardwoods:											
All eastern hardwoods	22.80	25.00	26.90	24.60	34.30	46.00	45.90	33.90	34.90	37.90	41.10
Oak, white, red, and black	23.40	21.30	26.60	21.20	26.60	43.60	54.70	29.70	43.40	60.00	59.20
Maple	35.00	31.90	34.40	37.80	59.40	71.40	79.50	39.60	36.60	42.10	57.40
Douglas fir log prices: [2]											
Saw logs [3]	58.40	63.00	89.30	90.20	95.10	172.30	180.50	168.70	202.90	242.80	284.60
Peeler logs [4]	100.10	93.90	136.60	132.60	148.90	320.40	299.30	274.40	377.70	322.20	446.40

[1] Includes Jeffrey pine. [2] (Scribner log scale.) Prices are for western Washington and northwest Oregon and represent average transactions which may take place at a variety of points in the distribution process, e.g. at a river dump, reloading or truck scaling station, or on delivery to a mill. [3] Includes mixed grades, ungraded, and, beginning 1972, grade 4 logs. [4] Includes special fir peeler or special mill grade.

Source: U.S. Forest Service, *The Demand and Price Situation for Forest Products*, annual.

No. 1277. Lumber Production and Consumption, by Kind of Wood: 1960 to 1977

[In millions of board feet, except as indicated. 1960 excludes Alaska and Hawaii. Based on sample survey; see source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series L 98–112 and L 122–137]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977 [1]
Total production	**32,926**	**36,762**	**34,668**	**37,745**	**38,595**	**34,608**	**29,630**	**36,295**	**37,757**
Softwoods [2]	26,672	29,295	27,530	30,975	31,586	27,704	24,694	29,878	31,160
Cedar	(S)	633	633	756	785	811	821	934	968
Douglas fir	8,832	8,783	7,727	8,459	8,686	7,901	7,329	8,207	8,543
Hemlock	2,032	2,576	1,980	2,692	2,711	2,105	2,020	2,454	2,439
Ponderosa pine	3,169	3,776	3,429	4,001	4,030	3,580	3,544	4,032	4,166
Redwood	1,000	1,087	1,078	1,242	1,277	1,170	1,054	1,128	1,148
Southern yellow pine	5,660	6,628	7,063	7,884	7,895	6,921	6,967	7,598	8,198
White fir	2,224	2,422	2,063	2,307	2,438	2,071	2,012	2,104	2,184
White pine	675	693	898	1,056	1,069	925	947	1,060	1,080
Hardwoods [2]	6,254	7,467	7,138	6,770	7,009	6,904	4,936	6,417	6,597
Ash	125	141	159	148	140	143	124	137	143
Beech	195	182	188	182	176	167	136	140	141
Cottonwood	206	198	229	268	326	312	253	309	355
Elm	195	206	155	141	145	155	117	131	149
Maple	602	786	742	624	623	574	531	569	563
Oak	2,789	3,356	3,250	3,121	3,227	3,160	2,724	2,996	3,103
Sweet (red and sap) gum	331	387	376	332	342	294	245	286	275
Tupelo and black gum	292	385	335	319	309	331	251	277	252
Yellow poplar	592	681	606	628	701	710	555	596	605
Domestic consumption [3]	**35,225**	**40,782**	**38,073**	**46,747**	**45,555**	**38,866**	**36,099**	**42,194**	**46,825**
Percent net imports [4]	8.7	10.6	12.7	17.1	16.6	14.2	12.0	15.2	19.4
Softwoods	28,974	32,701	31,585	39,354	38,088	32,082	30,308	35,753	40,017
Per capita bd. ft.	164	172	155	189	181	152	142	167	185
Mill stocks, yearend	5,285	4,539	4,844	3,576	4,006	4,322	4,063	4,199	4,079
Exports	688	777	1,152	1,196	1,773	1,506	1,373	1,583	1,413
Imports	3,631	4,895	5,769	8,977	9,002	6,807	5,711	7,959	10,370
Canada [5]	3,576	4,856	5,723	8,878	8,841	6,736	5,677	7,913	10,327
Hardwoods	6,252	8,081	6,488	7,393	7,467	6,784	5,791	6,441	6,808
Per capita bd. ft.	35	39	32	35	35	32	27	30	31
Mill stocks, yearend	2,067	1,066	1,506	581	460	802	875	887	772
Exports	173	145	138	252	222	235	245	262	251
Imports	291	338	347	457	558	464	237	288	344
Canada [5]	118	161	145	151	155	116	62	83	81

S Figure does not meet publication standards. [1] Preliminary. [2] Includes types not shown separately. [3] Source: Mackay-Shields Economics, Inc., New York, N.Y. [4] Imports minus exports. [5] Source: U.S. Forest Service, *The Demand and Price Situation for Forest Products*, annual.

Source: Except as noted, U.S. Bureau of the Census, reports of census of manufactures and *Current Industrial Reports*, series MA-24T, annual.

No. 1278. Lumber Production, by Geographic Divisions: 1970 to 1977

[Data based in part on a sample of sawmills and are estimates which may vary from figures obtained from a complete census; subject to sampling variability, see source. For composition of divisions, see fig. I, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series L 113–121, for data by regions]

GEOGRAPHIC DIVISION	PRODUCTION (bil. bd. ft.)						PERCENT		
	1970	1973	1974	1975	1976	1977, prel.	1970	1975	1977, prel.
United States	**34.7**	**38.6**	**34.6**	**32.6**	**36.3**	**37.8**	**100.0**	**100.0**	**100.0**
North [1]	4.4	4.6	4.4	4.1	4.5	4.7	12.8	12.6	12.4
Hardwood	3.4	3.5	3.3	3.0	3.3	3.4	9.8	9.2	9.0
Softwood	1.0	1.1	1.1	1.1	1.3	1.3	3.0	3.4	3.4
South [1]	10.8	11.4	10.4	9.7	10.6	11.3	31.2	29.7	29.9
Hardwood	3.6	3.4	3.4	2.7	3.0	3.0	10.5	8.3	7.9
Softwood	7.2	8.0	7.0	7.0	7.7	8.3	20.7	21.4	22.0
West [1 2]	19.4	22.6	19.7	18.8	21.1	21.8	56.0	57.7	57.7
New England	.7	.8	.8	.8	.9	.9	2.2	2.5	2.3
Middle Atlantic	.8	.8	.9	.7	.8	.9	2.3	2.2	2.3
East North Central	1.2	1.3	1.2	1.1	1.2	1.3	3.5	3.4	3.4
West North Central	.6	.6	.6	.5	.6	.6	1.8	1.7	1.6
South Atlantic	5.2	5.5	5.1	4.7	5.2	5.3	15.1	14.6	14.0
East South Central	3.4	3.6	3.4	3.0	3.3	3.5	9.8	9.1	9.3
West South Central	3.2	3.3	2.9	3.0	3.1	3.6	9.3	9.1	9.5
Mountain	4.2	4.6	3.9	3.9	4.6	4.7	12.0	12.1	12.4
Pacific	15.3	18.0	15.8	14.8	16.6	17.1	44.0	45.4	45.2

[1] Source: U.S. Forest Service, *The Demand and Price Situation for Forest Products*, annual.
[2] Includes small volumes of western hardwoods—about .2 billion board feet in recent years.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1279. Logs—Exports and Imports: 1960 to 1978

[**In millions of board feet, log scale.** See also *Historical Statistics, Colonial Times to 1970*, series L 138–150]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Exports	266.3	1,192.8	2,753.0	3,143.3	3,281.7	2,642.4	2,666.9	3,249.9	3,080.1	3,409.2
Softwoods	210.3	1,111.4	2,684.1	3,049.4	3,104.8	2,523.7	2,600.6	3,155.7	2,980.0	3,298.4
Hardwoods	56.0	81.4	68.9	93.9	113.9	118.7	66.3	94.3	100.1	110.8
Imports	112.5	68.1	144.4	39.3	33.5	76.6	85.5	81.6	154.6	96.9
Softwoods	32.3	13.5	106.5	11.3	8.5	45.6	68.5	67.4	139.5	79.1
Hardwoods	80.2	54.6	37.9	28.0	25.0	31.0	17.0	14.2	15.0	17.8

No. 1280. Plywood—Production, Imports, Exports, Consumption, and Value of Shipments: 1960 to 1977

[**In mil. sq. ft., 3/8″ basis, except as indicated.** See also *Historical Statistics, Colonial Times to 1970*, series L 151–165]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Total production	8,861	14,477	15,945	18,277	19,940	19,861	16,857	16,913	19,196	20,234
Softwood	7,759	12,428	14,149	16,353	17,843	17,929	15,306	15,706	17,906	18,840
Hardwood	1,102	2,049	1,796	1,924	2,096	1,932	1,550	1,207	1,290	1,394
Imports	725	1,052	2,049	2,548	3,162	2,531	1,670	1,949	2,382	2,280
Exports	15	37	172	114	247	503	610	859	797	357
Apparent consumption	9,571	15,492	17,822	20,711	22,855	21,889	17,917	18,002	20,781	22,158
Shipments, total [1] mil. dol.	(NA)	1,124	1,268	1,571	2,038	2,337	2,020	2,073	2,779	3,478
Softwood [2] mil. dol.	(NA)	775	959	1,244	1,666	1,928	1,626	1,726	2,362	3,010
Hardwood mil. dol.	(NA)	349	310	327	372	409	394	347	417	468

NA Not available. [1] Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24F and MA-24H, both annual. [2] Includes interplant transfers.

No. 1281. Pulpwood—Production, Consumption, and Prices: 1950 to 1977

[**In millions of standard cords of 128 cubic feet, except as indicated.** Excludes Alaska in 1950 and Hawaii prior to 1965. See *Historical Statistics, Colonial Times to 1970*, series L 166 and L 168, for similar data]

ITEM	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 [1]
Production, total	20.7	30.9	40.0	52.3	70.5	68.3	71.2	77.1	81.7	68.9	77.1	79.5
Softwood	17.8	25.6	31.5	39.8	53.4	51.6	53.2	56.7	59.5	52.2	57.8	59.9
Hardwood	2.9	5.3	8.5	12.5	17.1	16.8	18.0	20.4	22.2	16.6	19.3	19.6
Consumption [2]	23.6	33.4	40.5	52.0	67.6	67.2	71.5	73.6	74.3	65.4	73.2	74.0
Softwood	20.4	27.7	32.1	39.7	51.3	50.6	53.6	54.8	54.6	48.9	54.8	55.5
Hardwood	3.2	5.6	8.4	12.3	16.3	16.6	17.9	18.8	19.8	16.5	18.4	18.5
Prices: [3]												
Southern pine:												
Midsouth	12.15	14.60	16.05	16.30	18.80	19.10	20.80	23.85	28.25	28.70	29.75	31.40
Southeast	11.90	14.40	16.45	17.65	21.10	21.15	22.85	28.20	32.80	33.20	33.60	34.65
Louisiana	(NA)	14.10	14.85	15.70	17.70	17.95	19.25	22.50	28.30	29.25	30.45	31.65
Hardwoods:												
Midsouth	10.65	12.90	13.10	13.80	16.95	17.35	18.55	21.30	25.30	25.70	26.50	28.10
Southeast	(NA)	(NA)	13.60	14.35	17.15	17.15	18.95	21.15	24.10	24.55	24.55	26.55
Louisiana	(NA)	12.25	12.15	13.65	17.45	17.85	19.00	22.00	25.00	26.20	26.10	27.20
New Hampshire	14.50	(NA)	18.50	16.10	20.00	22.00	23.50	26.50	28.50	31.65	33.00	35.00

NA Not available. [1] Preliminary. [2] Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M26A, monthly and annual. [3] Dol. per standard cord.

Source of tables 1279–1281: Except as noted, U.S. Forest Service, *The Demand and Price Situation for Forest Products*, annual.

No. 1282. Woodpulp—New Supply and Consumption: 1960 to 1978

[**In mil. of short tons.** 1960 excludes Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 169–170]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978 [1]
Total new supply [2]	26.6	35.7	44.0	48.1	50.0	49.7	43.6	48.9	50.2	51.9
Production, total [3]	25.3	34.0	43.5	46.8	48.3	48.3	43.1	47.7	49.0	50.5
Sulphate	14.6	21.5	29.5	31.8	33.0	33.0	29.2	32.8	34.0	35.7
Groundwood [4]	3.3	3.6	4.4	4.6	4.7	4.7	4.4	4.6	4.8	4.4
Imports	2.4	3.1	3.5	3.7	4.0	4.1	3.1	3.7	3.9	4.0
Exports	1.1	1.4	3.1	2.3	2.3	2.8	2.6	2.5	2.6	2.6
Consumption in paper and board [3]	25.7	34.0	43.2	47.3	48.8	48.3	42.4	47.5	49.3	50.1

[1] Preliminary. [2] Production plus imports, less exports. [3] Source: U.S. Bureau of the Census, *Current Industrial Reports*, through 1977. Production includes other, not shown separately.
[4] Beginning 1975, includes thermochemical pulp.

Source: Except as noted, American Paper Institute, Inc., New York, N.Y., *Statistics of Paper and Paperboard*, annual, and *Monthly Statistical Summaries*.

No. 1283. Paper and Paperboard—Production and Consumption: 1965 to 1978

[**In millions of short tons.** See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 178–191]

ITEM	PRODUCTION						CONSUMPTION					
	1965 [1]	1970 [1]	1975	1976	1977	1978 [2]	1965	1970	1975	1976	1977	1978 [2]
Total paper and paperboard [3] [4]	44.2	53.6	52.9	60.6	62.1	63.8	49.2	58.0	56.1	64.4	66.5	69.8
Paper [3]	19.2	23.6	23.3	26.6	27.4	27.8	25.2	30.1	28.3	32.5	33.8	35.6
Newsprint	2.1	3.3	3.7	3.7	3.9	3.8	8.4	9.8	9.4	10.2	10.3	11.2
Coated printing, converting	2.8	3.3	3.2	4.0	4.3	4.4	2.8	3.2	3.1	3.9	4.2	4.6
Book paper, uncoated	2.1	2.6	2.3	2.8	3.0	} 10.0	2.1	2.7	2.4	3.0	3.2	} 10.6
Other printing, writing, etc.	4.2	5.1	5.5	6.4	6.6		4.3	5.3	5.3	6.3	6.6	
Packaging and industrial converting	5.0	5.4	4.6	5.4	5.4	5.3	4.8	5.3	4.3	5.1	5.2	5.3
Tissue and other mach. creped	2.9	3.8	4.0	4.2	4.3	4.2	2.9	3.8	3.9	4.2	4.3	4.2
Paperboard [3]	20.8	25.5	24.8	28.4	29.0	30.3	19.7	23.4	22.8	26.2	26.7	27.9
Unbleached kraft	7.8	11.6	11.5	13.3	13.7	14.4	6.9	9.9	10.5	12.1	12.4	12.9
Bleached kraft	2.3	3.4	3.3	3.8	3.7	4.0	2.2	3.3	3.1	3.5	3.3	3.5
Semichemical	2.7	3.4	3.7	4.1	4.3	4.4	2.6	3.4	3.6	4.0	4.1	4.4
Recycled furnish	8.1	7.0	6.2	7.2	7.3	7.5	8.0	6.9	6.2	7.1	7.3	7.5
Construction paper and board	3.9	4.3	4.6	5.4	5.5	5.6	4.1	4.4	4.7	5.5	5.8	6.1

[1] Compiled from U.S. Bureau of the Census reports. [2] Preliminary. [3] Consumption data adjusted for net exports of converted products. [4] Includes wet machine board, not shown separately.

Source: American Paper Institute, New York, N.Y., *The Statistics of Paper and Paperboard*, annual.

No. 1284. Newsprint—Production, Stocks, Consumption, Imports, and Price: 1960 to 1978

[**In thousands of short tons, except price.** See also *Historical Statistics, Colonial Times to 1970*, series L 192–198]

COUNTRY AND ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Canada:										
Production	6,739	7,720	8,607	8,820	9,140	9,548	7,679	8,915	8,988	9,713
Shipments from mills	6,752	7,747	8,592	8,901	9,199	9,597	7,727	8,712	9,005	9,792
Stocks at mills, end of year	140	150	236	251	193	143	95	299	282	203
United States: [1]										
Consumption by publishers [2] [3]	5,532	6,387	7,130	7,569	7,658	7,022	6,363	6,534	6,772	7,106
Production [3]	2,038	2,245	3,464	3,656	3,738	3,561	3,690	3,736	3,870	3,806
Shipments from mills [3]	2,031	2,248	3,457	3,671	3,742	3,560	3,690	3,728	3,866	3,818
Stocks, end of year:										
At mills [3]	26	19	33	27	23	25	21	29	34	22
At and in transit to publishers	628	573	749	544	603	827	734	921	796	728
Imports [4]	5,412	6,323	6,635	7,101	7,410	7,399	5,847	6,569	6,559	7,484
Producer price index (1967=100)	96.1	94.6	107.6	116.7	122.2	151.2	184.0	198.2	215.4	226.2

[1] Excludes Alaska and Hawaii, except as noted.
[2] As reported by publishers accounting for about two-thirds of total newsprint consumption in recent years. See also table 994. [3] Beginning 1965, includes Alaska and Hawaii.
[4] Source: Reports of U.S. Bureau of the Census. Includes Alaska, Hawaii, and Puerto Rico.

Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*. Data from American Newspapers Publishers Association, Reston, Va., and American Paper Institute, Inc., New York, N.Y.

No. 1285. Wastepaper Utilization, and Recovery and Salvage Rates: 1960 to 1978

[**In millions of short tons, except percent.** Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Paper and board, production	[1] 34.4	[1] 44.1	[1] 53.5	59.4	61.9	61.1	52.8	60.5	62.0	63.7
Wastepaper consumption	[1] 9.0	[1] 10.2	11.8	12.9	14.1	14.0	11.7	13.6	14.1	14.6
Wastepaper utilization rate ... percent	26.2	23.1	22.1	21.7	22.8	22.9	22.2	22.5	22.7	22.9
Other wastepaper uses [1]	.20	.20	.20	.44	.48	.48	.50	.63	.84	.49
Wastepaper exports [2]	.15	.29	.41	.42	.68	1.31	.86	1.27	1.51	1.60
Total wastepaper recovered	9.3	10.6	12.3	13.7	15.2	15.7	13.1	15.4	16.3	16.7
Paper and board, new supply	[1] 39.1	[1] 49.1	[1] 57.9	64.3	67.3	65.5	56.0	64.3	66.4	69.7
Recovery rate ... percent	23.8	21.5	21.2	21.3	22.6	23.9	23.3	23.9	24.6	24.0

[1] Estimated. [2] Source: U.S. Bureau of the Census.

Source: Except as noted, American Paper Institute, Inc., New York, N.Y., *Statistics of Paper and Paperboard*, annual, and unpublished data.

No. 1286. Average Hourly Earnings in Timber-Based Industries: 1970 to 1978

[Earnings for production or nonsupervisory workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

ITEM	EARNINGS (dollars)						INDEX (1972=100)					
	1970	1974	1975	1976	1977	1978	1970	1974	1975	1976	1977	1978
Lumber and wood products [1]	2.96	3.89	4.26	4.72	5.10	5.61	89	117	128	142	153	168
Logging camps and contractors [2]	(NA)	6.12	6.72	7.56	8.19	9.05	(NA)	116	128	143	155	172
Sawmills and planing mills	2.84	3.88	4.34	4.86	5.27	5.79	86	118	132	148	160	176
Millwork, plywood, and structural members	(NA)	3.91	4.26	4.67	5.03	5.53	(NA)	116	126	139	149	164
Paper and allied products	3.44	4.53	5.01	5.47	5.96	6.52	87	115	127	138	151	165
Furniture and fixtures	2.77	3.53	3.78	3.99	4.34	4.68	90	115	123	130	141	152

NA Not available. [1] Excludes furniture. [2] Data for State of Washington.

Source: U.S. Forest Service, *The Demand and Price Situation for Forest Products*, annual.

No. 1287. Wood Products—Production: 1960 to 1978

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978, prel.
Hardwood flooring ... mil. bd. ft.	915	808	333	300	205	155	190	150	155
Softwood plywood ... bil. sq. ft., 3/8" basis	7.8	12.4	14.1	17.9	15.6	15.3	17.8	18.9	19.5
Insulation boards ... 1,000 short tons	1,098	1,258	1,219	1,547	1,295	1,240	1,441	1,435	1,417
Hardboard ... 1,000 short tons	686	1,093	1,443	2,000	1,978	1,784	2,145	2,237	2,124
Particleboard ... mil. sq. ft., 3/4" basis	268	780	1,764	3,494	3,094	2,367	3,000	3,590	3,600

Source: U.S. Dept. of Commerce, Industry and Trade Administration, *Construction Review*, monthly. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, Md.

No. 1288. Turpentine and Rosin—Production, Imports, Exports, and Consumption: 1960 to 1978

[For years beginning **April 1. Except as indicated, turpentine in thousands of 50-gallon barrels and rosin in thousands of drums** (520 pounds net weight for wood; 517 pounds for gum). See *Historical Statistics, Colonial Times to 1970*, series L 176 and L 177, for total production]

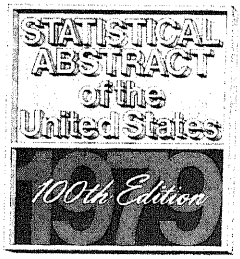
ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978, prel.
Turpentine:									
Production	604.8	700.7	575.8	530.6	487.0	447.6	482.2	477.1	508.0
Gum	119.0	111.4	25.8	21.4	15.6	20.7	17.4	14.5	9.7
Wood	485.8	589.3	550.0	509.2	471.4	426.9	464.8	463.0	498.0
Value of production ... $1,000	2,849	3,091	1,550	863	1,084	1,640	1,278	1,035	784
Price per gallon ... dol.	.479	.555	1.200	.806	1.389	1.585	1.427	1.425	1.610
Imports	15.6	18.0	24.1	33.6	29.7	58.6	16.3	7.9	7.1
Exports	81.8	45.1	39.7	30.7	16.3	4.2	20.3	19.4	15.3
Gum	23.2	21.5	6.1	3.2	2.1	1.5	2.1	.9	.6
Wood	58.6	23.6	33.5	27.5	14.2	2.7	18.2	18.5	14.7
Industrial consumption	376.8	535.6	536.2	443.4	439.7	423.5	480.6	473.3	505.2
Gum	3.5	8.2	3.1	1.9	2.0	2.2	1.8	1.7	1.5
Wood	373.2	527.4	533.1	441.4	437.7	421.2	478.8	471.5	503.7
Rosin:									
Production	2,010	2,067	1,656	1,584	1,306	1,088	1,357	1,301	1,339
Gum	370	361	88	74	54	72	61	51	35
Wood	1,640	1,706	1,568	1,510	1,252	1,016	1,296	1,250	1,305
Value of production ... $1,000	27,787	19,352	6,818	8,737	10,106	9,338	7,971	6,702	4,925
Price per 100 lb. net ... dol.	14.52	10.36	15.03	22.72	35.92	25.15	24.46	25.35	27.54
Imports	(Z)	1	(Z)	106	162	21	25	31	55
Exports	628	541	570	424	268	174	280	215	328
Gum	157	81	124	26	18	13	15	14	18
Wood	471	460	446	398	250	161	265	201	309
Industrial consumption	1,409	1,536	1,462	1,271	1,103	1,046	1,203	1,074	1,168
Gum	258	136	121	100	110	104	56	74	64
Wood	1,151	1,400	1,341	1,171	993	942	1,146	1,000	1,104

Z Less than 500.

Source: U.S. Department of Agriculture, Economics, Statistics, and Cooperatives Service, *Agricultural Statistics*, annual, and *Naval Stores*, annual summary.

Section 26

Fisheries



This section presents statistics on commercial fishing and the fish processing industry. The principal sources of these data are *Fishery Statistics of the United States* and *Fisheries of the United States*, both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA).

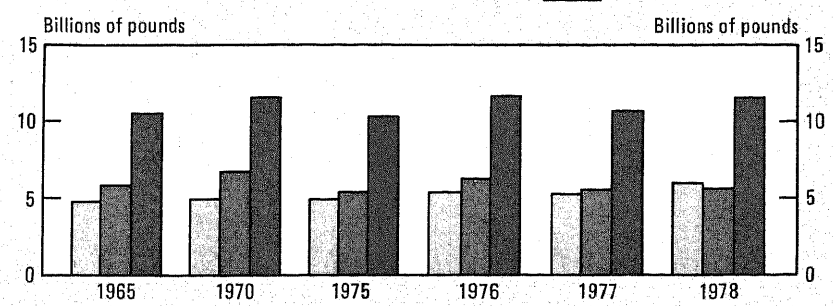
The NMFS publishes monthly data on commercial landings of fish and shellfish, freezings and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports include data on quantity and value of commercial landings of fish and shellfish (by species, region, State, and type of fishing gear), disposition of landings, number of fishermen, and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual data on output of canned, packaged, and industrial products and, for wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State. Annual data are published on foreign trade in fishery products and per capita consumption of edible fishery products.

The Fishery Conservation and Management Act of 1976 established a Fisheries Conservation Zone (FCZ) which gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the FCZ. Within the FCZ, the total allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically. For details, see *Fisheries of the United States, 1978*, cited above.

The value of the catch as presented in various tables is "ex-vessel," or the value at the dock. It represents the price received by fishermen and vessel owners for fish, shellfish, etc.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 26.1
Fishery Products — Supply: 1965 to 1978
(See table 1291)



Source: Chart prepared by U.S. Bureau of the Census.
Data from U.S. National Oceanic and Atmospheric Administration.

No. 1289. Fisheries—Quantity and Value of Domestic Catch: 1940 to 1978

[Prior to 1950, excludes Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 224–226, L 229, and L 310]

YEAR	QUANTITY (mil. lb.[1]) Total	For human food	For industrial products [2]	Ex-vessel value (mil. dol.)	Average price per lb. (cents)	YEAR	QUANTITY (mil. lb.[1]) Total	For human food	For industrial products [2]	Ex-vessel value (mil. dol.)	Average price per lb. (cents)
1940	4,060	2,675	1,385	99	2.4	1971	5,018	2,441	2,577	651	13.0
1945	4,598	3,167	1,431	270	5.9	1972	4,806	2,435	2,371	748	15.6
1950	4,901	3,307	1,594	347	7.1	1973	4,858	2,398	2,460	937	19.3
1955	4,809	2,579	2,230	339	7.1	1974	4,967	2,496	2,471	932	18.7
1960	4,942	2,498	2,444	354	7.2	1975	4,877	2,465	2,412	977	20.0
1965	4,777	2,587	2,190	446	9.3	1976, prel	5,350	2,760	2,590	1,353	25.2
1970	4,917	2,537	2,380	613	12.5	1977, prel	5,198	2,900	2,298	1,515	29.1
						1978, prel	6,028	3,177	2,851	1,854	30.7

[1] Live weight. [2] Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

No. 1290. Fisheries—Disposition of Domestic Catch: 1950 to 1978

[**Live weight catch in millions of pounds.** Prior to 1960, excludes Hawaii. **1976–1978** preliminary. In addition to whole fish, a large portion of waste (400–500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970*, series L 305–310, for similar but not entirely comparable data]

DISPOSITION	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Total	**4,884**	**4,794**	**4,942**	**4,777**	**4,917**	**4,806**	**4,858**	**4,967**	**4,877**	**5,350**	**5,198**	**6,028**
Fresh and frozen	1,692	1,568	1,631	1,751	1,595	1,612	1,685	1,660	1,744	1,855	2,025	2,237
Canned	1,720	1,039	1,043	1,042	1,150	976	882	1,005	907	1,094	1,078	1,099
Cured	100	86	82	76	71	70	91	69	55	53	55	52
Reduced to meal, oil, etc	1,372	2,101	2,186	1,908	2,101	2,148	2,200	2,233	2,171	2,348	2,040	2,640

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1291. Fishery Products—Supply: 1960 to 1978

[**Live weight, in millions of pounds, except percent.** 1976–1978 preliminary. See *Historical Statistics, Colonial Times* series L 224–226, for domestic catch]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Total	**8,223**	**10,535**	**11,474**	**13,849**	**10,378**	**9,875**	**10,164**	**11,555**	**10,579**	**11,509**
For human food	4,264	5,163	6,213	6,889	7,109	6,638	6,394	7,389	7,414	8,135
Finfish	(NA)	(NA)	(NA)	(NA)	(NA)	4,971	4,848	5,655	5,589	6,263
Shellfish [1]	(NA)	(NA)	(NA)	(NA)	(NA)	1,667	1,546	1,734	1,825	1,872
For industrial use	3,959	5,372	5,261	6,960	3,269	3,237	3,770	4,166	3,165	3,374
Domestic catch	**4,942**	**4,777**	**4,917**	**4,806**	**4,858**	**4,967**	**4,877**	**5,350**	**5,198**	**6,028**
Percent of total	60.1	45.3	42.8	34.7	46.8	50.2	47.9	46.3	49.1	52.4
For human food	2,498	2,587	2,537	2,435	2,398	2,496	2,465	2,760	2,900	3,177
Finfish	(NA)	(NA)	(NA)	(NA)	(NA)	1,522	1,548	1,774	1,781	2,018
Shellfish [1]	(NA)	(NA)	(NA)	(NA)	(NA)	974	917	986	1,119	1,159
For industrial use	2,444	2,190	2,380	2,371	2,460	2,471	2,412	2,590	2,298	2,851
Imports [2]	**3,281**	**5,758**	**6,557**	**9,043**	**5,520**	**4,908**	**5,287**	**6,205**	**5,381**	**5,481**
Percent of total	39.9	54.7	57.2	65.3	53.2	49.8	52.1	53.7	50.9	47.6
For human food	1,766	2,576	3,676	4,454	4,709	4,142	3,929	4,629	4,514	4,958
Finfish	(NA)	(NA)	(NA)	(NA)	(NA)	3,449	3,300	3,881	3,808	4,245
Shellfish	(NA)	(NA)	(NA)	(NA)	(NA)	693	629	748	706	713
For industrial use [3]	1,515	3,182	2,881	4,589	811	766	1,358	1,576	867	523

NA Not available. [1] For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. [2] Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. [3] Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1292. Commercial Fishery Products—Per Capita Consumption: 1950 to 1978

[**Pounds of edible meat.** 1976-1978 preliminary. Based on U.S. Bureau of the Census estimates of the civilian resident population as of **July 1.** See also *Historical Statistics, Colonial Times to 1970*, series L 294-304]

PRODUCT	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Total	**11.8**	**10.5**	**10.3**	**10.8**	**11.8**	**12.4**	**12.9**	**12.2**	**12.3**	**13.0**	**12.8**	**13.4**
Fresh and frozen	6.3	5.9	5.7	6.0	6.9	7.1	7.4	7.0	7.6	8.2	7.8	7.9
Fish [1]	4.7	4.2	3.8	3.8	4.5	4.8	5.2	4.5	5.0	5.6	5.2	5.6
Shellfish	1.6	1.7	1.9	2.2	2.4	2.3	2.2	2.5	2.6	2.6	2.6	2.3
Canned	4.9	3.9	4.0	4.3	4.5	4.9	5.1	4.8	4.3	4.3	4.6	5.0
Tuna	1.1	1.4	2.0	2.3	2.5	2.9	3.1	3.1	2.9	2.9	2.9	3.3
Salmon	1.4	1.0	.7	.9	.7	.7	.4	.3	.4	.4	.5	.6
Shellfish	.4	.4	.4	.5	.5	.5	.6	.6	.4	.4	.6	.5
Sardines	1.4	.6	.4	.3	.4	.4	.5	.4	.2	.3	.3	.3
Other	.6	.5	.5	.3	.4	.4	.5	.4	.4	.3	.3	.3
Cured	.6	.7	.6	.5	.4	.4	.4	.4	.4	.5	.4	.5

[1] Beginning 1973, includes consumption of artificially cultivated catfish.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1293. Fisheries—Fishermen and Craft, 1976, and Catch, 1977, by Areas

[See *Historical Statistics, Colonial Times to 1970*, series L 236-253, for data on quantity and ex-vessel value of catch]

AREA	1976 [1]			1977					
				Catch (mil. lb.)			Value of catch (mil. dol.)		
	Fishermen	Fishing vessels	Fishing boats [2]	Total	Finfish	Shellfish	Total	Finfish	Shellfish
United States	(NA)	(NA)	(NA)	**5,198**	**4,062**	**1,136**	**1,515**	**706**	**809**
New England States	30,474	855	15,592	581	501	80	203	93	110
Middle Atlantic States	17,686	580	12,456	214	152	62	70	19	51
Chesapeake Bay States	24,990	1,939	15,418	669	560	109	86	29	57
South Atlantic States	10,580	1,421	6,016	345	290	55	72	33	39
Gulf States	(NA)	(NA)	(NA)	1,477	1,144	333	405	70	335
Pacific Coast States	(NA)	(NA)	(NA)	1,777	1,283	494	650	434	216
Great Lakes States	1,080	204	4,512	65	65	(Z)	9	9	(Z)
Mississippi River States	(NA)	(NA)	(NA)	55	52	3	11	10	1
Hawaii	2,349	101	1,336	15	15	(Z)	9	9	(Z)

NA Not available. Z Less than 500,000 pounds or $500,000. [1] As of Dec. 31.
[2] Refers to craft having capacity of less than 5 net tons.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1294. Fisheries—Employment, Fishing Craft, and Establishments: 1950 to 1977

[**In thousands.** As of **Dec. 31.** See also *Historical Statistics, Colonial Times to 1970*, series L 254-261]

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976, prel.	1977, prel.
Persons employed in U.S.	**263**	**242**	**224**	**215**	**227**	**230**	**243**	**253**	**260**	(NA)	(NA)
Fishermen	161	144	130	129	141	139	149	161	168	(NA)	(NA)
Shore workers [1]	102	98	94	87	87	91	94	92	92	92	96
Craft used	**92**	**83**	**77**	**80**	**87**	**86**	**90**	**101**	**103**	(NA)	(NA)
Vessels, 5 net tons and over	11	12	12	12	14	15	15	16	16	(NA)	(NA)
Motorboats	46	58	57	64	72	70	72	83	85	(NA)	(NA)
Other boats	35	13	8	3	2	2	2	2	2	(NA)	(NA)
Fishery shore establishments	**3.9**	**4.1**	**4.2**	**4.2**	**3.7**	**3.7**	**3.6**	**3.5**	**3.6**	**3.6**	**3.6**

NA Not available. [1] Seasonal average.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1295. Fisheries—Catch and Value of Principal Species: 1965 to 1978

[Catch in live weight, except as indicated. Data exclude landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States, and production of artificially cultivated fish and shellfish. 1976–1978 preliminary]

Species	Catch (mil. lb.)						Value (mil. dol.)					
	1965	1970	1975	1976	1977	1978	1965	1970	1975	1976	1977	1978
Fish:												
Cod, Atlantic	36	53	56	56	76	87	3	6	13	14	17	22
Flounder	180	169	162	165	170	181	18	23	44	52	59	73
Haddock	134	27	16	13	28	39	14	6	5	6	9	13
Halibut	40	35	21	21	18	18	9	9	16	19	17	19
Herring, sea	110	79	131	151	156	154	2	2	6	11	12	17
Jack mackerel	67	47	37	39	110	68	2	2	2	2	6	4
Menhaden	1,726	1,837	1,803	2,039	1,796	2,595	27	34	49	67	68	98
Ocean perch, Atlantic	84	55	32	32	35	36	3	3	3	4	5	6
Pollock	12	9	21	24	29	43	1	1	2	3	4	7
Salmon, Pacific	327	410	202	309	336	404	65	99	107	196	222	255
Tuna	319	393	393	486	345	409	42	75	107	150	136	177
Whiting	83	45	42	48	45	51	2	4	4	4	4	7
Shellfish:												
Clams (meats)	71	99	113	81	96	88	17	29	43	63	74	74
Crabs	335	277	306	345	399	449	31	39	81	137	203	285
Lobsters, American	30	34	30	32	32	34	22	33	51	53	58	65
Oysters (meats)	55	54	53	54	46	51	28	29	45	53	53	61
Scallops (meats)	23	11	14	24	28	33	15	12	23	41	46	94
Shrimp	244	367	347	404	477	423	82	130	226	331	355	386

No. 1296. Fisheries, Selected Countries—Commercial Catch, 1970 to 1977, and Catch Per Capita, 1975

[**In billions of pounds, live weight, except per capita.** Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals. Data from Food and Agriculture Organization of the United Nations. World total includes countries not shown separately]

Country	1970	1975		1976, prel.	1977, prel.	Country	1970	1975		1976, prel.	1977, prel.
		Total	Per capita (lb.)					Total	Per capita (lb.)		
World total	**153.4**	**154.1**	**28.9**	**164.7**	**162.0**	Indonesia	2.8	3.0	20.9	3.3	3.4
United States	6.1	6.0	35.1	7.0	6.8	Philippines	2.2	3.0	74.5	3.1	3.3
Japan	20.5	23.2	164.7	23.5	23.7	Spain	3.3	3.4	84.9	3.3	3.2
U.S.S.R.	16.0	21.9	61.5	22.3	20.6	Iceland	1.2	2.2	147.3	2.2	3.0
Norway	6.6	5.6	104.1	7.6	7.9	Chile	2.6	2.0	33.3	3.1	2.8
Peru	27.8	7.6	33.1	9.6	5.6	Canada	3.1	2.3	36.6	2.5	2.8
India	3.8	5.1	7.5	5.3	5.6	S. Vietnam (est.)	1.1	2.2	58.0	2.2	2.2
Korea, Rep. of	2.1	4.7	81.6	5.3	5.3	Brazil (est.)	1.1	1.8	16.1	1.6	1.7
Denmark	2.7	3.9	76.3	4.2	4.0	France	1.7	1.8	47.4	1.8	1.7
Thailand	3.2	3.4	44.8	3.7	3.9	Poland	1.0	1.3	48.7	1.6	1.5
North Korea (est.)	1.8	1.8	63.1	3.5	3.5	S. Africa, Rep. of	3.4	1.4	19.6	1.4	1.3
						United Kingdom	2.4	1.1	39.5	1.1	1.2

No. 1297. Catch, Catch Limits, and Principal Species Caught by Foreign Countries in the U.S. Fishery Conservation Zone (FCZ), by Country: 1978

[**In millions of pounds live weight.** Preliminary. Excludes tunas. (In 1978, U.S. domestic catch of tunas in FCZ was 49 mil. lb.) Allocations (catch limits) set by species for countries fishing within 200 miles of U.S. shores. For details, see text, p. 735, and source]

Country	Actual catch	Allocation	Principal species caught	Country	Actual catch	Allocation	Principal species caught
Total catch in FCZ	5,280.7	(X)	(X)	Foreign—Con.			
U.S.	1,414.0	(X)	(X)	Canada	91.1	(1)	Scallops
Foreign	3,866.7	(X)	(X)	Spain	30.2	49.3	Squid
Japan	2,610.3	2,756.5	Pollock, flounder	Italy	11.6	19.2	Squid
U.S.S.R.	822.5	1,286.4	Hake, pollock	Bulgaria	(Z)	(Z)	Mackerel (Atl.)
Korea, Rep. of	222.0	250.1	Pollock	Mexico	8.7	64.5	Squid
Poland	62.9	118.4	Hake, herring	China (Taiwan)	7.1	13.9	Pollock
				Romania	(Z)	4.0	Mackerel (Atl.)

X Not applicable. Z Less than 50,000 pounds. [1] No allocation set to date.

Source of tables 1295–1297: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1298. U.S. Catch and Value of Fish and Shellfish, by Distance Caught Off U.S. Shores—Selected Species: 1978

[Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States]

Species	Total U.S. catch [1] (mil. lb.)	By distance from U.S. shores: Catch (mil. lb.)			Percent of U.S. catch			Value of U.S. catch [1] (mil. dol.)	Percent of total value, by distance caught off U.S. shores		
		3 miles or less [2]	3 to 200 miles	Over 200 mi.	3 miles or less [2]	3 to 200 miles	Over 200 mi.		3 miles or less [2]	3 to 200 miles	Over 200 mi.
Fish, total [3]	**5,014.2**	**3,589.0**	**882.1**	**543.1**	**71.6**	**17.6**	**10.8**	**933.4**	**49.3**	**27.8**	**22.9**
Cod, Atlantic	86.5	10.3	75.5	.7	11.9	87.3	.8	21.5	11.4	87.8	.8
Flounder	180.7	33.3	146.7	.7	18.4	81.2	.4	72.7	19.4	80.3	.3
Haddock	39.5	1.1	35.7	2.7	2.8	90.4	6.8	12.7	2.9	90.0	7.1
Halibut	17.7	8.1	9.6	(Z)	45.8	54.2	(Z)	18.5	45.4	54.6	(Z)
Herring, sea	154.4	137.3	17.1	–	88.9	11.1	–	17.2	93.1	6.9	–
Jack mackerel	68.0	12.0	56.0	–	17.6	82.4	–	3.7	17.6	82.4	–
Ocean perch	40.9	.1	35.5	5.3	.2	86.8	13.0	7.1	.8	86.3	12.9
Salmon, Pacific	404.5	386.8	17.7	(Z)	95.6	4.4	(Z)	254.5	90.5	9.5	(Z)
Tuna	565.7	.5	49.4	515.8	.1	8.7	91.2	239.0	.2	13.0	86.8
Whiting	51.1	5.8	45.3	–	11.4	88.6	–	7.2	12.5	87.5	–
Shellfish [3]	**1,182.2**	**585.7**	**581.2**	**15.3**	**49.5**	**49.2**	**1.3**	**998.0**	**40.0**	**57.9**	**2.1**
Clams (meats)	87.7	36.0	51.7	–	41.0	59.0	–	74.1	67.5	32.5	–
Crabs	449.1	224.9	224.2	–	50.1	49.9	–	285.0	34.1	65.9	–
Lobsters	39.0	28.0	10.3	.7	71.8	26.4	1.8	74.4	69.0	29.3	1.7
Scallops (meats)	33.3	2.9	30.4	–	8.7	91.3	–	81.8	9.4	90.6	–
Shrimp [4]	434.8	163.1	257.1	14.6	37.5	59.1	3.4	400.4	28.7	66.3	5.0

– Represents zero. Z Less than 50,000 pounds or .05 percent. [1] Includes catch from international waters or off foreign shores. [2] Includes all landings in Great Lakes and other inland waters. [3] Includes other species not shown separately. [4] Includes landings at Gulf Coast and foreign ports.

No. 1299. Supply of Tuna, Salmon, and Sardines: 1965 to 1978

[**In millions of pounds.** 1978 preliminary]

Item	1965	1970	1973	1974	1975	1976	1977	1978
Tuna: Domestic landings, live weight	373	478	519	557	568	660	469	566
Imports, fresh and frozen, live weight [1]	379	465	817	839	517	641	670	862
Canned tuna, total supply	409	510	674	713	581	658	583	759
From domestic landings	162	204	224	250	261	285	207	258
From imported fresh and frozen [1]	197	234	412	410	268	314	341	449
Imported canned	51	72	39	53	52	59	35	52
Canned salmon, total for U.S. consumption	150	169	63	88	59	110	130	132
Domestic pack	174	183	72	88	78	128	151	164
Imports	(Z)	2	8	9	3	3	1	(Z)
Exports	25	17	17	8	22	20	21	33
Canned sardines, total supply	75	66	91	94	57	79	74	75
Maine sardines	30	19	23	25	26	25	23	26
Imports	45	47	67	69	31	54	50	49

Z Less than 500,000 lbs. [1] Includes foreign-caught fish landed or packed in Puerto Rico and American Samoa.

Source of tables 1298 and 1299: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

No. 1300. Prices Received by Fishermen and Vessel Owners: 1960 to 1978

[**Cents per pound.** 1976–1978 data are preliminary. Based on prices received by fishermen and vessel owners. See also *Historical Statistics, Colonial Times to 1970*, series L 321–337]

Species	Point of pricing	1960	1965	1970	1973	1974	1975	1976	1977	1978
Clams, soft	Maine	39.7	49.1	47.5	78.5	76.4	86.9	101.6	118.3	124.3
Cod	Massachusetts	6.5	8.0	11.2	18.5	18.8	23.3	26.2	21.5	22.9
Crabs, blue	Maryland, Virginia	5.5	7.6	6.6	12.1	12.7	15.7	21.4	20.1	20.6
Flounder	Massachusetts	12.2	9.5	15.3	23.7	26.8	33.5	37.5	36.9	44.8
Haddock	Massachusetts	7.9	8.9	22.7	38.1	28.8	26.8	33.5	28.4	27.3
Lobsters, American	Maine	45.7	75.2	94.7	136.5	141.0	161.5	153.9	173.6	177.1
Menhaden	(No specific point)	1.0	1.6	1.9	3.9	3.3	2.7	3.3	3.8	3.8
Ocean perch	Maine, Mass	4.0	4.1	4.9	7.7	8.1	10.3	13.7	15.3	17.1
Oysters, eastern	Maryland, Virginia	68.2	78.6	61.1	66.0	70.1	80.1	103.7	110.7	109.1
Salmon, chinook	(No specific point)	50.8	48.3	86.0	108.0	107.9	99.3	147.4	190.7	189.2
Salmon, coho	(No specific point)	40.8	30.1	58.8	83.1	85.2	87.7	117.2	134.8	141.4
Sea scallops	New Bedford, Mass	34.9	67.5	135.6	177.6	154.2	188.8	184.0	165.8	253.5
Shrimp	So. Atlantic, Gulf	44.4	58.0	75.4	151.9	116.1	169.5	208.4	180.5	210.9
Tuna, albacore	(No specific point)	15.7	15.7	26.2	41.5	41.0	33.8	49.4	59.0	59.8

Source: U.S. National Oceanic and Atmospheric Administration, *Prices Received by Fishermen*, H.S. No. 12 (C.F.S. No. 4657 Revised) and *Fishery Statistics of the United States*, annual.

No. 1301. Fisheries—Quantity and Value of Catch, by States, and Catch of Principal Species, by Areas: 1960 to 1977

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series L 262–293]

STATE, CATCH, AND VALUE	1960	1965	1970	1973	1974	1975	1976, prel.	1977, prel.
New England:								
Catch	852	702	531	518	523	498	544	581
Value	61	75	91	117	124	154	175	202
Maine: Catch	295	205	159	143	148	138	178	182
Value	20	22	31	43	41	48	54	62
New Hampshire: Catch	1	1	1	2	3	3	3	4
Value	(Z)	1	1	1	1	1	1	1
Massachusetts: Catch	480	442	287	269	270	274	288	319
Value	36	46	47	56	62	83	97	114
Rhode Island: Catch	69	49	79	97	97	79	72	72
Value	4	5	11	15	17	19	20	23
Connecticut: Catch	6	5	5	7	5	4	3	4
Value	1	2	2	2	3	3	3	2
Catch for certain species:								
Cod	35	35	53	50	58	55	55	75
Flounder	62	112	104	88	81	77	79	88
Haddock	119	134	27	8	8	16	13	28
Herring, sea	155	75	66	57	71	79	110	112
Lobster, American	29	29	30	26	26	29	30	30
Ocean perch, Atlantic	141	84	55	54	41	32	32	35
Pollock	22	12	9	15	20	21	24	(NA)
Whiting	104	75	40	34	20	33	37	33
Middle Atlantic:								
Catch	784	356	140	257	211	188	266	213
Value	22	25	30	42	44	50	69	70
New York: Catch	126	147	32	36	35	37	34	32
Value	9	12	16	22	25	28	32	31
New Jersey: Catch	374	160	98	210	167	144	227	179
Value	10	11	13	18	17	20	35	38
Delaware: Catch	284	48	10	11	9	7	5	2
Value	3	1	1	2	2	2	2	1
Catch for certain species:								
Clams (meats)	32	52	63	41	42	53	43	50
Menhaden	671	151	31	156	108	67	151	98
Oysters (meats)	1	1	1	3	3	3	4	2
Scup	27	17	4	6	10	10	9	9
Chesapeake Bay:								
Catch	436	592	630	701	597	509	588	668
Value	35	40	41	62	58	56	74	86
Maryland: Catch	69	87	80	70	70	64	60	60
Value	14	13	19	21	22	23	31	31
Virginia: Catch	367	505	551	631	530	445	528	608
Value	21	27	22	41	36	33	43	55
Catch for certain species:								
Alewives	19	38	21	11	15	12	4	1
Clams (meats)	8	11	23	53	67	47	24	28
Crabs	71	86	70	59	68	62	47	59
Menhaden	249	360	450	506	385	322	447	509
Oysters (meats)	27	21	25	25	25	23	22	18
South Atlantic:								
Catch	379	357	280	240	305	333	315	345
Value	20	27	30	57	51	64	72	72
North Carolina: Catch	265	234	173	138	207	238	226	252
Value	7	9	9	16	18	20	28	29
South Carolina: Catch	24	27	16	21	19	20	21	16
Value	4	5	4	11	7	13	14	10
Georgia: Catch	28	20	14	17	18	18	15	13
Value	3	4	4	11	7	12	12	9
Florida (east coast): Catch	61	76	76	64	61	57	53	64
Value	6	8	12	19	19	19	18	24
Catch for certain species:								
Crabs	45	46	43	32	38	31	27	31
Menhaden	215	192	136	85	134	167	145	171
Shrimp	31	26	21	25	27	25	26	18

See footnotes at end of table.

No. 1301. Fisheries—Quantity and Value of Catch, by States, and Catch of Principal Species, by Areas: 1960 to 1977—Continued

[**Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars.** See also *Historical Statistics, Colonial Times to 1970*, series L 262–293]

STATE, CATCH, AND VALUE	1960	1965	1970	1973	1974	1975	1976, prel.	1977, prel.
Gulf States:								
Catch	1,266	1,463	1,698	1,544	1,776	1,654	1,753	1,476
Value	85	114	167	267	242	271	389	405
Florida (west coast): Catch	136	136	116	112	123	116	112	103
Value	21	27	31	46	52	57	70	71
Alabama: Catch	12	18	30	37	34	31	32	35
Value	3	5	10	18	17	21	34	37
Mississippi: Catch	314	368	298	268	301	306	288	314
Value	8	9	11	17	16	14	21	26
Louisiana: Catch	566	787	1,107	1,029	1,223	1,115	1,228	918
Value	26	37	61	95	86	86	137	138
Texas: Catch	238	154	147	98	94	86	93	108
Value	28	36	53	91	72	93	127	133
Catch for certain species:								
Crabs	36	38	36	46	43	41	38	43
Menhaden	841	1,023	1,209	1,074	1,296	1,197	1,238	986
Mullet	33	34	27	31	28	26	22	16
Oysters (meats)	16	19	18	15	15	19	21	18
Shrimp	206	195	230	182	186	170	210	266
Great Lakes: [1]								
Catch	68	56	72	68	78	62	67	73
Value	7	6	6	9	11	9	11	11
Superior: Catch	14	9	5	5	6	5	6	5
Value	1	1	1	1	2	2	2	2
Michigan: Catch	24	27	53	51	60	45	48	55
Value	2	2	4	5	6	4	5	5
Huron: Catch	6	5	2	2	2	2	2	2
Value	1	1	(Z)	(Z)	(Z)	1	1	1
Erie: Catch	21	14	10	8	10	8	9	10
Value	2	1	1	1	2	2	3	3
Pacific Coast:								
Catch	1,061	1,147	1,480	1,433	1,391	1,551	1,743	1,777
Value	112	148	235	363	381	352	543	651
Washington: Catch	113	127	134	144	147	146	131	146
Value	16	18	30	69	59	61	81	81
Oregon: Catch	49	69	98	92	96	86	99	113
Value	6	9	23	30	37	26	49	49
California: Catch	541	458	703	731	685	875	897	874
Value	50	51	86	112	140	135	186	195
Alaska: Catch	358	492	545	466	463	445	616	644
Value	41	70	96	152	145	130	227	326
Catch for certain species:								
Anchovies	5	6	193	278	177	329	257	232
Bonito	1	6	9	31	19	32	(NA)	(NA)
Crabs	65	161	126	154	174	164	224	260
Flounder	48	46	46	55	54	57	58	52
Halibut	51	40	34	26	18	21	20	18
Herring, sea	84	35	22	45	56	57	40	44
Jack mackerel	75	67	48	21	25	37	(NA)	(NA)
Salmon	235	327	410	222	201	202	309	336
Shrimp	12	20	93	152	141	140	165	192
Tuna	288	296	378	331	381	381	472	329
Mississippi River and tributaries:								
Catch	86	85	75	83	68	72	62	55
Value	8	8	10	13	14	15	13	11
Hawaii:								
Catch	11	20	11	14	11	9	12	15
Tuna	9	17	9	12	9	7	9	12
Value	3	4	4	6	6	6	7	9

NA Not available. Z Less than $500,000. [1] Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service. Includes, in addition to lakes shown, small amounts for Lake Ontario, Lake St. Clair, Lake of the Woods, Namakan Lake, and Rainy Lake.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

No. 1302. Fishery Products—Imports and Exports: 1960 to 1978

[**Quantity in millions of pounds; value in millions of dollars.** Includes Puerto Rico; imports also include landings of tuna by foreign vessels in American Samoa. See also *Historical Statistics, Colonial Times to 1970*, series L 227–235]

Year	Imports				Exports			
	Total value	Edible products		Non-edible, value	Total value	Edible products		Non-edible, value
		Quantity	Value			Quantity	Value	
1960	363	1,095	311	53	44	61	26	19
1965	601	1,399	479	121	69	96	49	20
1970	1,037	1,873	813	225	117	140	94	24
1973	1,583	2,416	1,398	187	299	239	242	57
1974	1,711	2,267	1,495	215	262	178	195	67
1975	1,637	1,913	1,367	270	305	218	267	37
1976, prel.	2,332	2,228	1,917	415	385	241	330	55
1977, prel.	2,622	2,177	2,078	544	520	331	473	47
1978, prel.	3,099	2,421	2,275	825	906	448	832	74

No. 1303. Selected Fishery Products—Imports and Exports: 1970 to 1978

[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312–318, for selected imports]

Product	Quantity (mil. lb.)						Value (mil. dol.)					
	1970	1974	1975	1976	1977	1978, prel.	1970	1974	1975	1976	1977	1978, prel.
IMPORTS												
Edible:												
Fresh or frozen:												
Whitefish [1]	8.4	7.2	8.4	8.2	9.0	11.0	4.8	4.7	5.6	6.1	7.0	8.6
Halibut [1]	18.2	5.4	8.0	7.4	6.5	7.0	8.1	5.2	8.0	9.9	9.1	10.8
Salmon [1]	7.4	12.5	9.2	7.7	5.7	6.6	6.7	14.0	11.5	13.6	10.8	13.6
Sea herring	103.9	86.9	99.2	76.5	70.7	72.0	1.9	4.7	5.1	5.5	8.9	5.5
Smelt	8.5	8.8	8.8	10.5	9.0	10.4	1.6	2.8	3.2	3.8	3.6	4.4
Tuna	442.8	789.4	478.6	607.4	633.3	808.2	100.5	216.1	121.2	249.4	255.3	327.2
Groundfish fillets, blocks [2]	458.8	431.4	513.8	607.0	602.6	639.4	134.6	250.5	278.4	398.6	502.2	565.4
Other fillets and steaks	136.1	149.9	167.6	185.0	180.7	190.5	63.6	100.8	117.3	149.4	160.9	178.3
Scallops (meats)	16.8	18.1	19.7	25.3	29.8	28.4	19.7	28.1	37.2	53.0	53.0	72.8
Lobster, American and spiny	54.9	55.3	58.1	64.4	60.0	56.2	93.8	178.2	188.6	240.7	250.3	256.3
Shrimp and prawn	214.8	222.8	201.5	227.5	225.2	195.5	196.8	379.8	346.2	460.7	488.3	418.4
Canned:												
Anchovies, in oil	5.5	4.8	3.6	4.8	5.4	4.8	6.3	8.2	5.6	8.3	11.2	9.6
Salmon	2.4	8.6	3.3	2.5	.6	.3	1.6	11.9	3.9	3.0	1.2	.7
Sardines, in oil	34.1	29.4	18.5	26.9	25.7	24.2	15.8	22.0	16.3	23.7	25.0	25.5
Sardines, herring, not in oil	25.3	55.7	24.9	39.1	35.1	32.1	8.3	23.7	15.9	21.3	20.8	22.9
Tuna	72.3	52.7	51.7	58.9	34.6	51.8	44.3	51.1	46.0	67.5	44.7	63.8
Bonito and yellowtail	1.2	.3	.1	.1	1.4	.4	.5	.2	.1	.1	1.0	.4
Crab meat	2.8	2.4	1.4	2.1	3.5	4.0	5.3	5.2	2.9	4.6	8.0	9.5
Oysters	15.0	16.0	12.4	14.4	19.2	23.5	8.1	10.1	8.4	10.7	17.9	24.5
Lobster, American and spiny	2.5	1.7	2.1	2.9	2.9	2.4	8.0	8.6	10.9	13.9	15.6	15.7
Pickled or salted:												
Cod, haddock, hake, pollock, cusk	41.2	37.8	33.6	36.5	35.7	37.6	13.6	29.8	26.8	31.4	33.4	38.3
Herring	30.6	18.6	20.6	30.9	19.5	25.0	5.4	6.0	6.6	10.0	7.0	13.6
Nonedible scrap and meal	**502.0**	**136.0**	**236.7**	**280.0**	**163.0**	**87.8**	**37.7**	**15.7**	**23.6**	**32.9**	**26.5**	**12.6**
EXPORTS												
Canned salmon	16.8	8.3	22.5	19.6	21.3	32.5	13.1	13.3	34.6	33.9	34.0	49.2
Canned sardines	1.5	1.7	2.2	1.8	1.2	1.6	.7	1.1	1.8	1.6	.9	1.5
Fish oil, nonedible	**158.8**	**199.1**	**191.8**	**179.2**	**90.6**	**222.0**	**15.7**	**39.6**	**27.8**	**29.9**	**18.1**	**42.3**

[1] Excludes fillets. [2] Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting.

Source of tables 1302 and 1303: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from data furnished by U.S. Bureau of the Census.

No. 1304. Fresh and Frozen Fishery Products: 1970 to 1978

[Excludes Alaska and Hawaii, except frozen fishery products includes Alaska]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1970	1974	1975	1976	1977	1978	1970	1974	1975	1976	1977	1978
Fish fillets and steaks[1]	133.5	135.5	131.9	142.6	160.4	161.3	74.8	119.8	137.9	167.1	191.8	208.9
Cod	13.6	19.1	15.2	16.6	24.6	23.7	7.4	16.4	14.6	19.0	27.8	31.3
Flounder	46.7	40.9	41.9	48.2	44.6	41.7	28.7	44.6	53.1	72.5	69.7	76.0
Haddock	8.9	8.9	8.2	4.7	14.7	17.3	6.9	12.1	12.3	8.3	21.3	26.1
Ocean perch, Atlantic	16.0	12.1	8.4	9.4	10.4	10.1	4.9	6.2	5.7	8.1	9.5	10.0
Whiting	.8	2.0	.1	1.0	.8	.9	.3	.6	.1	.6	.5	.6
Other	47.6	52.5	58.1	62.7	65.3	67.6	26.6	39.9	52.1	58.6	63.0	64.9
Frozen fishery products	388.3	339.9	299.7	321.7	345.7	309.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Fresh and frozen.

No. 1305. Canned Fishery Products—Production and Value: 1970 to 1978

[See also *Historical Statistics, Colonial Times to 1970*, series L 338–357 (production data in cases) and L 358]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1970	1974	1975	1976	1977	1978, prel.	1970	1974	1975	1976	1977	1978, prel.
Total	1,346	1,554	1,386	1,568	1,436	1,666	742	1,306	1,071	1,430	1,575	1,980
Salmon	183	88	78	128	151	164	139	137	115	205	243	248
Sardines, Maine	19	25	26	25	23	26	11	22	25	24	27	36
Tuna	438	660	529	599	548	707	381	824	653	853	907	1,288
Jack mackerel	8	4	10	7	31	26	2	1	3	2	12	7
Shrimp	25	22	12	20	25	16	37	44	28	49	71	46
Clam products	65	88	76	64	73	69	26	43	42	39	65	60
Oysters	2	2	2	1	1	1	2	3	4	3	3	1
Other	606	665	653	724	584	657	144	232	201	255	247	294

No. 1306. Processed Fishery Products—Summary: 1970 to 1978

[Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362–365, for meal, scrap, and oil]

PRODUCT	PRODUCTION (mil. lb.)[1]						VALUE (mil. dol.)					
	1970	1974	1975	1976	1977	1978	1970	1974	1975	1976	1977	1978
Total	(X)	(X)	(X)	(X)	(X)	(X)	1,727	2,756	2,655	3,473	3,692	4,433
Packaged fresh and frozen[2]	1,158	1,121	1,113	1,248	1,239	1,309	800	1,129	1,309	1,739	1,796	2,152
Fish not breaded:												
Fillets and steaks, raw	134	136	132	143	160	183	75	120	138	167	192	239
Dressed	32	46	55	38	56	36	9	21	43	24	57	37
Fish breaded, raw or cooked:												
Sticks	116	103	91	94	87	93	58	65	62	73	69	85
Fillets, portions, and steaks	296	283	286	335	341	373	137	204	211	277	333	399
Shellfish: Not breaded	328	327	315	389	323	360	343	443	534	798	717	880
Breaded, raw and cooked	119	115	128	127	146	135	129	172	220	257	296	309
Specialties, fish and shellfish	124	92	79	92	91	96	45	91	79	112	95	165
Canned products[3]	1,346	1,554	1,386	1,568	1,436	1,615	742	1,306	1,072	1,430	1,575	1,913
Fish and shellfish	805	963	802	907	924	1,076	633	1,127	920	1,232	1,405	1,748
Animal food	540	590	583	660	512	539	105	175	148	196	170	165
Cured fish[4]	71	70	55	55	49	44	77	114	102	112	120	117
Salted (incl. spiced, pickled)	37	39	29	32	26	19	30	49	43	50	43	35
Smoked	31	29	24	22	27	24	43	62	56	59	76	81
Dried (cod) lutefisk	2	1	2	1	1	1	1	1	1	1	1	1
Industrial products[2]	(X)	(X)	(X)	(X)	(X)	(X)	108	208	173	193	201	251
Meal and scrap ... mil. tons	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	46	84	66	97	97	121
Oil (body and liver)	206	238	246	205	133	295	18	49	33	31	28	61
Fish solubles ... mil. tons	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	5	12	9	14	14	22
Other	(X)	(X)	(X)	(X)	(X)	(X)	38	63	67	51	62	47

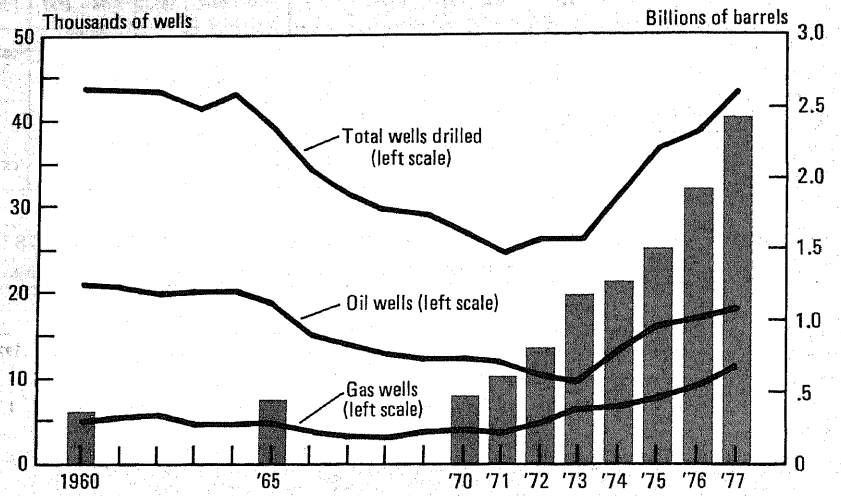
X Not applicable. Z Less than 500,000 tons. [1] Except as indicated. [2] Includes products not shown separately. [3] Includes salmon eggs for bait. [4] Includes sun-dried and freeze-dried.

Source of tables 1304–1306: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

Figure 27.1

Crude Petroleum and Natural Gas — Wells Drilled and Imports of Crude Petroleum: 1960 to 1977

(See tables 1328 and 1332)

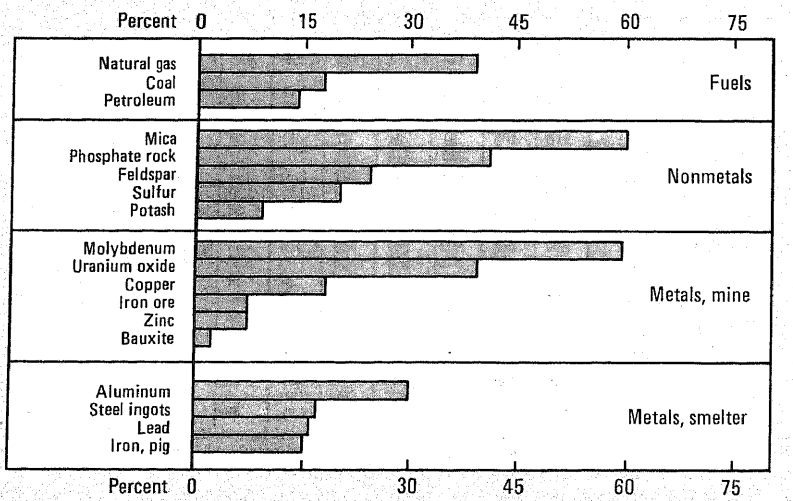


Source: Chart prepared by U.S. Bureau of the Census.
Data from U.S. Bureau of Mines.

Figure 27.2

U.S. Mineral Production as Percent of World Total: 1977

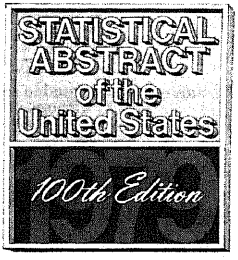
(See table 1316)



Source: Chart prepared by U.S. Bureau of the Census.
Data from U.S. Bureau of Mines.

Section 27

Mining and Mineral Products



This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in sections 29 and 33 of this *Abstract.*

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, and other preparation customarily done at the mine site or as a part of mining activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as is the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook,* published by the Bureau of Mines, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. In addition, the Bureau of the Census conducts a census of mineral industries every 5 years. Non-government sources include the *Annual Statistical Report* of the American Iron and Steel Institute, Washington, D.C.; *Metals Week* and the monthly *Engineering and Mining Journal,* issued by the McGraw-Hill Publishing Co., New York; *The Iron Age,* issued weekly by the Chilton Co., Philadelphia; and the *Joint Association Survey of the U.S. Oil and Gas Industry,* conducted by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects and publishes data on work-hours, employment, and accidents and injuries in the mineral industries. In October 1977, fuel data collection activities of the Bureau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series. Included in this series, beginning in 1973, is the *Annual Survey of Oil and Gas.*

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1314. Except for crude petroleum, the export and import figures include foreign trade passing through the customs districts of Alaska, Hawaii, and Puerto Rico, but exclude shipments between conterminous United States and outlying areas.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix I.

No. 1307. Summary of Mineral Operations: 1954 to 1977

[Includes mines operated in conjunction with manufacturing establishments. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1–11]

ITEM	1954	1958	1963	1967	1972	1977
Number of establishments	38,858	37,966	40,532	29,688	26,178	29,608
Employees, total ... 1,000	807	755	637	583	610	780
Production and development ... 1,000	668	585	502	448	456	592
All other ... 1,000	140	170	135	136	154	188
Man-hours, production and development workers ... mil.	1,292	1,120	1,014	922	935	1,184
Principal expenses:						
Wages, production and development workers ... mil. dol.	2,647	2,702	2,773	2,969	4,353	9,011
Salaries, all other employees ... mil. dol.	819	1,133	1,070	1,306	1,981	3,834
Cost of supplies, etc., and purchased machinery installed ... mil. dol.	6,148	7,585	9,066	10,647	14,979	45,172
Value added in mining ... mil. dol.	11,752	13,685	16,231	19,621	26,870	67,165
Value of shipments and receipts: [1] ... mil. dol.	15,160	18,463	22,030	26,208	36,811	95,207
Capital expenditures ... mil. dol.	2,728	2,807	3,268	4,062	5,038	17,130

[1] Includes estimated value of minerals produced and used in the same establishment in making manufactured products.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1963, 1967, 1972*, and *1977*.

No. 1308. National Income Originating in Mining: 1960 to 1978

[**In millions of dollars.** Data are without capital consumption adjustment. For definition of national income, see text, p. 433. See *Historical Statistics, Colonial Times to 1970*, series F 228, for single-year figures prior to minor revisions issued in 1976]

TYPE OF MINING	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Total mining	**5,613**	**6,013**	**7,810**	**8,700**	**10,149**	**15,539**	**18,149**	**20,343**	**22,445**	**26,470**
Metal mining	807	856	1,179	1,073	1,489	1,596	1,635	1,934	1,963	2,287
Coal mining	1,286	1,372	2,231	2,493	2,869	5,208	6,228	5,874	6,550	6,930
Oil and gas extraction	2,606	2,670	3,099	3,563	3,908	6,661	8,075	10,271	11,428	14,298
Nonmetallic minerals, exc. fuels	914	1,115	1,301	1,571	1,883	2,074	2,211	2,264	2,504	2,955

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–74*, and *Survey of Current Business*, July issues.

No. 1309. Value of Mineral Production, Imports, and Exports: 1950 to 1977

[**In billions of dollars.** Includes Puerto Rico and U.S. outlying areas. For products covered, see table 1314. See also *Historical Statistics, Colonial Times to 1970*, series M 13–14, M 20, M 30, and M 38–53]

MINERAL [1]	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977, est.
CURRENT DOLLARS												
Production, total	[2] 11.9	15.9	18.0	21.5	29.8	30.7	32.2	36.8	55.1	62.3	69.2	77.1
Fuels	8.7	10.8	12.1	14.0	20.2	21.2	22.1	24.9	40.9	47.5	52.5	59.6
Metals	1.4	2.1	2.0	2.5	3.9	3.4	3.6	4.4	5.5	5.2	6.1	5.8
Nonmetals	1.8	3.1	3.9	4.9	5.7	6.1	6.5	7.4	8.7	9.6	10.6	11.7
Imports, total	(NA)	3.0	3.3	2.6	3.4	3.7	4.5	6.7	19.5	22.7	30.5	(NA)
Fuels	(NA)	1.0	1.5	1.3	1.6	2.1	2.9	4.8	16.5	19.9	27.7	(NA)
Metals	1.0	1.6	1.5	1.0	1.2	1.0	1.0	1.1	1.8	1.6	1.6	1.5
Nonmetals	.3	.3	.3	.4	.6	.6	.6	.8	1.2	1.2	1.2	1.5
Exports, total	(NA)	1.7	1.9	.8	1.6	1.4	1.5	1.7	3.5	4.7	4.3	(NA)
Fuels	(NA)	1.1	.8	.5	1.1	1.0	1.1	1.2	2.7	3.6	3.3	(NA)
Metals	.2	.5	.9	.2	.3	.2	.2	.3	.3	.4	.4	.5
Nonmetals	.1	.1	.1	.2	.2	.2	.2	.3	.5	.7	.6	.7
CONSTANT (1967) DOLLARS [3]												
Production, total	[2] 13.5	17.7	18.7	22.2	26.7	26.1	25.7	27.0	26.1	24.6	24.8	(NA)
Fuels	10.0	12.1	12.5	14.5	18.1	17.7	17.1	17.7	17.0	16.6	16.4	(NA)
Metals	1.8	2.4	2.3	2.6	3.1	2.7	2.9	3.1	3.0	2.6	2.9	2.7
Nonmetals	1.8	3.3	3.8	5.1	5.5	5.6	5.8	6.2	6.1	5.4	5.7	6.0

NA Not available. [1] Through 1965, uranium included with metals; thereafter, with fuels.
[2] Excludes Alaska and Hawaii. [3] Values deflated by the index of implicit unit value.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1310. Index of Physical Volume of Mineral Production: 1950 to 1977

[1967=100. Excludes Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series M 54–67]

MINERAL	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Minerals, total	**65.3**	**75.4**	**79.1**	**93.5**	**112.1**	**109.9**	**112.7**	**114.1**	**110.4**	**103.8**	**105.5**	(NA)
Fuels	66.4	74.8	77.5	89.2	111.7	109.7	111.2	109.3	105.4	102.3	101.4	(NA)
Coal	103.9	89.3	78.4	93.7	108.3	98.9	105.9	105.1	107.1	114.9	120.2	[1] 123.4
Crude oil and natural gas	57.2	72.6	78.3	88.5	112.0	111.3	111.4	109.3	104.1	98.7	96.6	(NA)
Metals	105.3	109.8	104.4	114.5	135.8	122.3	127.5	136.8	130.4	117.5	129.8	118.0
Ferrous	106.5	124.0	100.0	100.9	109.3	96.9	98.4	116.0	108.3	96.2	99.8	78.8
Nonferrous	100.1	95.0	108.9	125.6	157.4	143.0	151.1	153.6	148.4	134.8	149.8	154.0
Base	106.8	103.9	104.9	132.7	167.3	151.0	162.8	166.5	159.3	142.7	158.0	148.5
Monetary	145.3	117.8	102.0	115.0	123.9	110.6	102.7	94.5	86.9	86.2	85.1	92.5
Other	59.3	64.7	123.1	89.8	119.5	115.5	112.6	114.8	122.8	119.2	175.2	195.8
Nonmetals	46.1	65.6	76.1	97.6	103.4	105.2	111.0	119.0	117.2	102.8	108.6	114.9
Construction	44.8	67.2	79.6	100.6	103.1	106.2	111.7	120.8	115.2	99.5	105.0	111.4
Chemical	43.6	56.4	62.3	87.8	103.1	101.9	108.7	112.2	121.3	112.2	117.3	123.4
Other	70.2	79.4	81.7	97.2	109.1	105.5	112.2	122.7	128.6	109.4	123.4	127.1

NA Not available. [1] Source: U.S. Energy Information Administration, *Energy Data Reports*.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1311. Federal Reserve Board Production Indexes—Mining and Metals: 1960 to 1978

[1967=100. See also *Historical Statistics, Colonial Times to 1970*, series M 68–71]

MINING AND METALS	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Mining	**80**	**93**	**112**	**110**	**113**	**115**	**115**	**113**	**114**	**118**	**124**
Coal	79	94	108	99	106	105	106	113	117	118	116
Oil and gas extraction	78	91	112	111	114	114	114	113	112	118	125
Metal mining	112	115	132	121	119	130	126	116	123	105	121
Stone and earth minerals	75	95	106	105	113	119	122	107	118	125	131
Primary metals	72	102	107	100	112	127	123	96	109	110	119
Iron and steel	78	105	105	96	107	122	120	96	105	103	113
Nonferrous metals	62	95	110	108	121	135	129	98	116	122	130

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1312. Selected Mineral Products—Average Prices: 1951 to 1978

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series M 96, M 139, M 209, M 248, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively]

YEARLY AVERAGE OR YEAR	Iron ore pellets [1]	Copper, electrolytic [2]	Lead (New York)	Tin (New York) [3]	Zinc [4]	Aluminum, delivered [5]	Sulfur, crude (f.o.b. works)	Bituminous coal [6]	Crude petroleum [7]
	Cents per long ton unit, iron	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Dol. per long ton*	*Dol. per short ton*	*Dol. per barrel*
1951–1955	(NA)	29.3	15.3	106.0	13.6	21.0	29.66	4.75	2.66
1956–1960	(NA)	32.5	13.4	99.3	11.9	25.0	24.29	4.84	2.93
1961–1965	(NA)	32.0	12.2	136.1	12.6	24.0	21.52	4.47	2.88
1966–1970	25.5	44.3	14.6	160.9	14.4	26.2	29.73	5.01	3.00
1971–1975	34.6	60.8	17.8	261.7	25.9	30.9	24.90	11.64	4.99
1960	(NA)	32.5	11.9	101.4	12.9	26.0	23.13	4.69	2.88
1965	25.2	35.4	16.0	178.2	14.5	24.5	22.47	4.44	2.86
1970	26.6	58.2	15.6	174.2	15.3	28.7	23.14	6.26	3.18
1971	28.0	52.0	13.9	167.3	16.1	29.0	17.47	7.07	3.39
1972	28.0	51.2	15.0	177.5	17.8	26.3	17.03	7.66	3.39
1973	29.4	59.5	16.3	227.6	20.7	25.3	17.84	8.53	3.89
1974	40.6	77.3	22.5	396.3	35.9	34.1	27.97	15.75	6.74
1975	47.2	64.2	21.5	339.8	39.0	39.8	44.20	19.23	7.56
1976	53.1	69.6	23.1	379.8	37.0	44.6	45.00	19.43	8.14
1977	55.5	66.8	30.7	534.6	34.4	51.6	43.68	[8] 19.82	[8] 8.57
1978, prel.	60.9	66.3	34.0	635.0	31.0	54.6	43.65	[8] 22.40	[8] 8.96

NA Not available. [1] Lower Great Lakes ports. Price as of end of year per long ton unit of contained iron, natural, delivered rail or vessel. Lake Superior ore. [2] Domestic market. [3] Straits tin. [4] Prime western. Beginning 1971, delivered price. [5] Prices 1951–1955, for 99+ percent virgin ingot aluminum; beginning 1956, for 99+ percent unalloyed ingot. [6] Average value at mine. Includes Alaska.
[7] Average value at well. Beginning 1958, includes Alaska, and 1959, Hawaii. [8] See footnote 1, table 1310.

Source: 1951–1974 compiled from *Metals Week* (copyright); *Producer Prices and Price Indexes* (U.S. Bureau of Labor Statistics); *Minerals Yearbook* and *Commodity Data Summaries* (U.S. Bureau of Mines); thereafter, except as noted, *Minerals Yearbook*.

No. 1313. Mineral Industries—

[Excludes establishments for which both value of shipments and expenditures amounted to less than $500. *Times to 1970,*

	MINERAL INDUSTRY	1963 [1]			1967			
		Establishments	Payroll [2]	Value added in mining [3]	Establishments	All employees: Number [4]	All employees: Payroll [2]	Value added in mining [3]
		Number	*Mil. dol.*	*Mil. dol.*	*Number*	*1,000*	*Mil. dol.*	*Mil. dol.*
1	**All industries**	38,651	3,742	15,920	28,579	567	4,187	19,330
2	**Metal mining**	1,614	515	1,418	1,155	71	552	1,557
3	Iron ores	208	162	549	146	23	186	662
4	Copper ores	160	187	417	156	21	171	437
5	Lead and zinc ores	205	49	84	167	9	61	103
6	Gold and silver ores	466	25	49	183	4	26	51
7	Gold ores and placers	359	16	27	125	2	17	35
8	Silver ores	107	9	22	58	1	8	16
9	Bauxite	17	3	18	17	1	4	23
10	Ferroalloy ores, except vanadium	58	20	66	43	4	32	73
11	Metal mining services	83	14	25	148	3	19	34
12	Miscellaneous metal ores	417	54	210	295	7	54	175
13	Uranium-radium-vanadium ores	335	45	191	188	5	41	142
14	Mercury ores and misc. metal ores	82	9	19	107	2	13	32
15	**Anthracite mining**	1,069	59	121	403	7	41	82
16	Anthracite	1,026	53	111	371	6	37	75
17	Anthracite mining services	43	6	10	32	1	5	7
18	**Bituminous coal and lignite mining**	6,305	762	1,607	4,081	124	926	2,009
19	Bituminous coal and lignite	6,174	755	1,590	3,966	123	916	1,987
20	Coal mining services, n.e.c.	131	7	17	115	1	10	22
21	**Oil and gas extraction**	21,242	1,745	11,020	16,358	245	1,855	13,394
22	Crude petroleum and natural gas	14,378	1,016	9,016	8,796	126	1,049	10,965
23	Natural gas liquids	652	97	762	684	12	100	905
24	Oil and gas field services	6,212	632	1,241	6,878	106	707	1,524
25	Drilling oil and gas wells	2,836	318	653	2,347	43	295	627
26	Oil and gas exploration services	373	48	90	636	8	53	126
27	Oil and gas field services, n.e.c.	3,003	266	498	3,895	55	359	770
28	**Nonmetallic minerals mining**	8,421	661	1,755	6,582	120	812	2,288
29	Dimension stone [8]	319	8	15	244	2	9	18
30	Crushed and broken stone [9]	2,256	229	582	2,033	43	281	705
31	Sand and gravel [9]	4,616	212	514	3,232	35	229	548
32	Clay and related minerals [9]	423	42	114	356	9	58	155
33	Chemical and fertilizer minerals	235	137	443	233	24	188	741
34	Barite	54	7	11	30	1	5	15
35	Fluorspar	30	4	9	32	1	5	11
36	Potash, soda, and borate minerals	23	52	156	33	8	68	188
37	Phosphate rock	66	32	105	69	8	60	199
38	Rock salt	25	16	50	26	3	19	71
39	Sulfur	17	21	100	31	3	31	253
40	Chemical and fertilizer mining, n.e.c.	20	6	12	12	(Z)	2	3
41	Nonmetallic minerals, services	119	5	9	106	1	6	11
42	Miscellaneous nonmetallic minerals [9]	453	28	78	378	7	41	111

– Represents zero. Z Less than 500 or 500,000.

[1] Includes single-unit establishments without paid employees.

[2] Gross earnings paid to all employees on payroll.

[3] Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures.

[4] Excludes proprietors and firm members of unincorporated concerns.

[8] Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers.

SUMMARY: 1963, 1967, 1972, AND 1977

"N.e.c." means not elsewhere classified. Minus sign (—) denotes decrease. See also *Historical Statistics, Colonial* series M 1–12]

1972				1977									
Establishments	All employees		Value added in mining [3]	Establishments	All employees		Production workers [5]			Value added in mining [3]	Value of shipments and receipts [7]	Capital expenditures	
	Number [4]	Payroll [2]			Number [4]	Payroll [2]	Number	Man-hours [6]	Wages				
Number	*1,000*	*Mil. dol.*	*Mil. dol.*	*Number*	*1,000*	*Mil. dol.*	*1,000*	*Millions*	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*	*Mil. dol.*	
25,269	**595**	**6,226**	**26,471**	**29,608**	**780**	**12,810**	**592**	**1,184**	**9,011**	**67,165**	**95,207**	**17,130**	1
1,014	**81**	**853**	**2,382**	**1,080**	**87**	**1,426**	**65**	**127**	**1,014**	**3,467**	**5,291**	**1,090**	2
111	20	218	702	97	21	366	16	28	253	1,064	1,626	439	3
181	36	387	1,025	130	32	527	23	44	356	1,067	1,852	208	4
101	8	72	200	88	7	104	5	11	75	329	417	41	5
132	3	30	61	173	4	67	4	7	53	161	199	40	6
81	2	20	47	124	2	35	2	4	28	78	99	21	7
51	1	10	14	49	2	32	2	3	25	83	100	19	8
10	1	4	24	10	(Z)	6	(Z)	1	4	31	40	4	9
44	4	40	137	53	6	96	5	10	79	228	344	109	10
172	3	31	54	152	2	38	2	4	30	84	117	15	11
263	7	71	180	377	13	222	10	22	164	503	696	234	12
144	6	58	149	232	12	203	9	20	153	439	609	226	13
119	1	13	31	145	1	19	1	2	11	64	87	8	14
230	**5**	**35**	**68**	**173**	**3**	**50**	**3**	**5**	**41**	**124**	**223**	**11**	15
213	4	32	63	154	3	47	3	5	38	116	213	9	16
17	1	3	6	19	(Z)	3	(Z)	(Z)	3	8	10	2	17
3,365	**155**	**1,742**	**3,685**	**5,177**	**239**	**4,069**	**203**	**365**	**3,285**	**11,167**	**16,652**	**2,783**	18
3,191	152	1,714	3,626	4,892	233	3,957	197	354	3,190	10,873	16,266	2,736	19
174	3	29	60	285	6	112	6	11	95	294	386	47	20
14,498	**241**	**2,525**	**17,612**	**17,070**	**334**	**5,686**	**230**	**496**	**3,533**	**47,740**	**66,346**	**12,441**	21
7,609	117	1,375	14,422	8,522	133	2,615	60	119	1,021	37,617	40,314	10,488	22
680	11	117	1,019	689	12	210	10	21	171	3,280	17,050	327	23
6,209	113	1,033	2,172	7,859	189	2,861	160	356	2,335	6,843	8,922	1,626	24
1,907	45	422	881	2,180	76	1,267	69	150	1,112	3,213	4,233	1,014	25
715	10	89	212	1,019	17	206	14	35	169	542	657	71	26
3,587	58	522	1,079	4,660	96	1,388	77	171	1,054	3,088	4,032	541	27
6,162	**114**	**1,070**	**2,723**	**6,108**	**117**	**1,579**	**91**	**191**	**1,138**	**4,667**	**6,695**	**805**	28
198	2	13	26	204	2	17	2	3	14	38	49	3	29
1,937	42	388	982	1,957	41	543	33	69	396	1,517	2,056	250	30
2,929	34	322	776	2,799	30	416	23	49	302	1,008	1,417	173	31
309	9	78	198	257	10	124	8	17	92	354	589	62	32
204	20	203	583	210	25	366	18	38	247	1,459	2,161	275	33
27	1	5	20	33	1	10	1	2	8	43	55	3	34
38	1	8	16	21	1	9	1	1	5	13	35	1	35
31	7	77	211	31	9	153	7	14	105	565	819	173	36
47	6	53	154	50	8	105	6	13	79	469	751	72	37
30	3	26	74	37	3	36	2	4	25	131	153	14	38
24	3	32	104	27	3	48	1	3	22	235	335	10	39
7	(Z)	1	4	11	(Z)	5	(Z)	1	3	3	13	2	40
126	1	11	20	141	2	34	2	4	27	65	95	8	41
459	7	55	138	540	7	79	5	11	60	226	328	34	42

[6] Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent).
[7] Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis.
[8] Excludes data for dimension stone quarries operated in conjunction with dressing plants.
[9] Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1963, 1967, 1972,* and *1977,* final industry series reports.

No. 1314. Mineral Production, 1965 to 1977, and Principal Producing States, 1977

[Data represent production as measured by mine shipments, mine sales, or marketable production (including consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M 13–37, for selected values]

MINERAL	PRODUCTION QUANTITY						PRODUCTION VALUE (mil. dol.)					Principal producing States ranked by quantity, 1977
	Unit	1965	1970	1975	1976	1977	1965	1970	1975	1976	1977	
Total mineral production	(X)	(X)	(X)	(X)	(X)	(X)	**21,524.0**	**29,791.0**	**62,266.0**	**69,186.0**	**77,086.0**	(X)
Mineral fuels	(X)	(X)	(X)	(X)	(X)	(X)	**14,962.5**	**20,072.7**	**47,505.0**	**52,484.0**	**59,575.0**	(X)
Coal: Bituminous and lignite	mil. sh. tons	512	603	648	679	691	2,276.0	3,772.7	12,472.5	13,189.5	13,705.2	Ky., W. Va., Pa., Ill.
Pennsylvania anthracite	mil. sh. tons	15	10	6	6	6	122.0	105.3	198.5	209.2	205.1	Pa.
Natural gas	bil. cu. ft	16,040	21,921	20,109	19,952	20,025	2,494.5	3,745.7	8,945.1	11,571.8	15,825.9	Tex., La., Okla., N. Mex.
Natural gas liquids:												
Natural gasoline and cycle products	mil. bbl. [1]	174	206	152	150	} 590	494.4	603.0	878.7	985.4	} 4,047.5	Tex., La., Okla., N. Mex.
LP-gases	mil. bbl. [1]	268	400	444	437		417.2	672.1	1,893.9	2,298.6		
Petroleum (crude)	mil. bbl. [1]	2,849	3,517	3,057	2,976	3,009	8,158.3	11,173.7	23,116.1	24,229.5	25,790.7	Tex., La., Calif., Okla.
Nonmetallic minerals	(X)	(X)	(X)	(X)	(X)	(X)	**5,017.5**	**5,791.3**	**9,570.0**	**10,616.0**	**11,701.0**	(X)
Abrasive stone [2]	sh. tons	3,603	3,055	2,953	2,696	2,200	.4	.6	1.1	1.4	3.2	Ark., Minn., Wisc., Ohio
Asbestos	1,000 sh. tons	118	125	99	115	102	10.2	10.7	14.2	23.7	25.3	Calif., Vt., Ariz., N.C.
Asphalt and related bitumens (native) [3]	1,000 sh. tons	1,912	1,981	1,902	2,012	1,237	9.5	8.9	17.8	17.6	13.9	Tex., Utah, Ala., Mo.
Barite	1,000 sh. tons	852	854	1,318	1,234	1,494	10.2	12.8	21.2	28.7	30.3	Nev., Mo., Ark., Ga.
Boron minerals	1,000 sh. tons	807	1,041	1,172	1,246	1,469	64.2	86.8	158.8	184.9	236.2	Calif.
Bromine	mil. lb	328	350	407	460	434	77.3	60.6	113.1	112.3	99.7	Ark., Mich.
Calcium chloride	sh. tons	(D)	633	594	649	710	(D)	15.2	29.0	32.9	45.0	Mich., Calif.
Carbon dioxide, natural (est.)	mil. cu. ft	1,174	1,110	1,070	1,357	1,617	.2	.2	.3	.3	.4	N. Mex., Colo., Calif., Utah
Cement: Portland	mil. sh. tons	69.0	71.6	65.2	69.2	75.5	1,154.4	1,268.7	2,015.6	2,330.4	2,727.6	Calif., Tex., Pa., Mich.
Masonry	mil. sh. tons	3.3	3.0	2.9	3.3	3.8	66.0	67.5	111.8	139.6	169.1	Ind., Pa., Ala.
Clays	mil. sh. tons	55.1	54.9	49.0	52.4	53.2	204.9	267.9	424.6	528.7	579.2	Ga., Tex., Ohio, N.C.
Diatomite	1,000 sh. tons	(D)	598	573	631	648	(4)	32.6	45.8	55.0	63.9	Calif., Nev., Wash., Oreg.
Emery	1,000 sh. tons	10.7	(D)	3.5	(D)	(D)	.2	(4)	(4)	(4)	(4)	N.Y.
Feldspar	1,000 sh. tons	699	726	670	740	734	6.3	9.6	11.7	17.5	17.2	N.C., Conn., Calif., Ga.
Fluorspar	1,000 sh. tons	240	269	140	188	169	10.9	13.9	10.9	17.9	16.5	Ill., Ky., Tex., Mont.
Garnet (abrasive)	1,000 sh. tons	19.3	18.8	17.2	24.6	20.0	1.7	1.9	1.7	2.7	2.2	Idaho, N.Y.
Gem stones (estimate)	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	2.2	2.4	13.9	8.9	8.9	Ariz., Maine, Nev.
Gypsum	mil. sh. tons	10.0	9.4	9.8	12.0	13.4	37.4	35.1	44.7	59.9	74.3	Mich., Tex., Iowa, Calif.
Helium [5]	mil. cu. ft	4,386	4,600	1,079	1,339	1,494	68.7	64.2	23.9	25.9	30.7	Kans., Okla., Tex.
Lime	mil. sh. tons	16.8	19.7	19.1	20.2	19.9	232.9	286.2	523.8	609.0	666.5	Ohio, Pa., Mo., Tex.
Magnesium compounds [6]	1,000 sh. tons	638	708	(D)	(D)	830	47.2	62.4	(4)	(4)	127.7	Mich., Calif., Fla., N.J.
Mica: Scrap	1,000 sh. tons	120	119	135	141	176	3.5	2.5	5.2	5.8	6.5	N.C., S.C., N. Mex., Ala.
Sheet	1,000 lb	716	–	5.0	5.0	(D)	.2	–	(Z)	(Z)	(4)	N.C.
Peat	1,000 sh. tons	604	526	746	731	726	6.1	6.0	12.3	12.1	12.5	Mich., Fla., Ind., Ill.
Perlite	1,000 sh. tons	392	456	512	553	597	3.4	4.9	7.3	9.4	10.8	N. Mex., Ariz., Calif., Idaho
Phosphate rock	mil. sh. tons	29.5	38.7	48.8	49.2	52.1	193.3	203.2	1,122.2	949.4	821.7	Fla., Idaho, N.C., Tenn.
Potassium salts [7]	1,000 sh. tons	3,140	2,729	2,400	2,457	2,461	129.8	98.1	223.1	202.4	206.9	N. Mex., Calif., Utah

Pumice	1,000 sh. tons	3,371	3,036	3,892	4,134	4,009	6.6	4.7	11.2	10.5	12.0	Oreg., Nev., Calif., Ariz.
Pyrites	1,000 lg. tons	875	(D)	625	750	435	5.3	(4)	4.8	8.2	7.0	Tenn., Colo., Ariz.
Salt (common)	mil. sh. tons	34.7	45.9	41.0	44.2	43.4	215.7	304.8	368.1	431.0	451.6	La., Tex., N.Y., Mich.
Sand and gravel	mil. sh. tons	908	944	789	885	929	957.4	1,115.7	1,416.3	1,774.0	2,028.0	Calif., Alaska, Tex., Ohio
Sodium carbonate (natural)	1,000 sh. tons	1,494	2,688	4,328	5,216	6,228	34.7	56.3	182.6	259.3	337.5	Wyo., Calif.
Sodium sulfate (natural)	1,000 sh. tons	620	602	667	663	636	11.0	10.9	27.7	32.7	29.3	Calif., Tex., Utah
Stone [8]	mil. sh. tons	780	875	901	902	955	1,203.8	1,474.9	2,120.3	2,221.0	2,456.9	Tex., Ill., Pa., Mo.
Sulfur: Frasch-process mines	1,000 lg. tons	7,251	6,504	6,077	5,860	5,935	164.7	151.8	304.8	300.0	294.7	Tex., La.
Other mines	1,000 lg. tons	3	–	–	–	–	(Z)	–	–	–	–	(X)
Talc, soapstone, pyrophyllite	1,000 sh. tons	863	1,028	965	1,092	1,205	6.3	7.8	8.9	9.9	13.1	Vt., Tex., Mont., N.Y.
Tripoli	1,000 sh. tons	71	68	81	124	126	.4	.5	.6	.8	.8	Ill., Okla., Ark., Pa.
Vermiculite	1,000 sh. tons	249	285	330	304	359	4.5	6.5	13.8	14.0	18.6	Mont., S.C.
Nonmetallic minerals, undistributed [9]	(X)	(X)	(X)	(X)	(X)	(X)	66.0	34.4	157.2	169.5	56.0	(X)
Metals	(X)	(X)	(X)	(X)	(X)	(X)	**2,544.0**	**3,928.0**	**5,191.0**	**6,086.0**	**5,810.0**	(X)
Antimony ore and concentrate	sh. tons [10]	845	1,130	886	283	610	(11)	(11)	2.1	.6	1.3	Idaho, Mont.
Bauxite	1,000 lg. tons [12]	1,654	2,082	1,772	1,958	1,981	18.6	30.1	25.1	26.6	28.0	Ark., Ala., Ga.
Copper [13]	1,000 sh. tons	1,352	1,720	1,413	1,606	1,504	957.0	1,984.5	1,814.8	2,235.0	2,009.3	Ariz., Utah, N. Mex., Mont.
Gold [13]	1,000 troy oz	1,705	1,743	1,052	1,048	1,100	59.7	63.4	169.9	131.3	163.2	S. Dak., Nev., Utah, Ariz.
Iron ore, usable [14]	mil. lg. tons [15]	84.1	87.2	75.7	76.7	53.9	801.4	941.7	1,620.6	1,860.1	1,417.4	Minn., Mich., Calif., Wyo.
Lead [13]	1,000 sh. tons	301	572	621	610	592	94.0	178.6	267.2	281.6	363.8	Mo., Idaho, Colo., Utah
Manganese ore [16]	1,000 sh. tons [15]	29.3	4.7	–	–	–	(11)	(11)	–	–	–	(X)
Manganiferous ore [17]	1,000 sh. tons [15]	333	368	159	257	216	(11)	(11)	1.4	2.3	2.2	Minn., N. Mex., S.C.
Mercury	76 lb. flasks	19,582	27,296	7,366	23,133	28,244	11.2	11.1	1.2	2.8	3.8	Nev., Calif.
Molybdenum [18]	mil. lb	77	110	105	115	125	120.8	190.1	259.3	333.5	450.4	Colo., Ariz., N. Mex., Utah
Nickel [19]	1,000 sh. tons	16.2	15.9	17.0	16.5	14.3	(11)	(11)	(11)	(11)	(11)	Oreg.
Silver [13]	mil. troy oz	39.8	45.0	34.9	34.3	38.2	51.5	79.7	154.4	149.3	176.3	Idaho, Ariz., Colo., Mont.
Tin content of concentrate	lg. tons	47	(D)	(D)	(D)	(D)	.1	(11)	(11)	(11)	(11)	Colo.
Titanium concentrate: Ilmenite [13]	1,000 sh. tons [15]	949	921	702	618	542	18.1	18.6	26.9	27.6	25.2	N.J., Fla., N.Y.
Tungsten ore and concentrate	1,000 lb. [20]	7,566	9,312	5,490	5,869	6,022	13.0	23.8	29.1	37.3	55.1	Calif., Colo., Nev.
Uranium [13]	mil. lb	19.7	24.7	22.9	25.1	29.5	157.8	149.5	276.1	404.8	582.2	N. Mex., Wyo., Utah, Colo.
Vanadium [13]	sh. tons	5,226	5,319	4,743	7,376	6,504	18.3	34.9	49.3	81.3	74.5	Ark., Colo., Utah, Idaho
Zinc [13]	1,000 sh. tons	611	534	469	485	450	178.3	163.7	366.1	358.5	309.3	Tenn., Mo., N.Y., Colo.
Metals, undistributed [9]	(X)	(X)	(X)	(X)	(X)	(X)	44.3	58.4	127.5	153.5	147.6	(X)

– Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable. Z Less than $50,000. [1] 42 gal. bbl. [2] Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tube-mill liners. [3] Contains bituminous limestone and sandstone, and gilsonite. [4] Value included in "Nonmetallic minerals, undistributed." [5] Crude and refined. [6] From sea water and brines, except for metals (MgO equiv.). [7] K_2O equivalent. [8] Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

[9] Comprises value of items that cannot be disclosed. [10] Antimony content. [11] Included with "Metals, undistributed." [12] Dried equivalent. [13] Recoverable content of ores, etc. [14] Excluding byproduct iron sinter. [15] Gross weight. [16] 35 percent or more Mn. [17] 5 to 35 percent Mn. [18] Content of concentrate. [19] Content of ore and concentrate. [20] Tungsten content.

Source: U.S. Bureau of Mines, *Minerals Yearbook* and beginning 1977, for Mineral fuels, from U.S. Energy Information Administration, *Energy Data Reports*.

No. 1315. Mineral Production—Value, 1965 to 1977, and Rank and Principal Minerals in Order of Value, 1977, by States

[In millions of dollars]

Region and State	1965	1970	1975	1976	1977		
					Value	Rank	Principal minerals in order of value
U.S.	**21,524**	**29,791**	**62,266**	**69,176**	**77,084**	(X)	**Petroleum, coal, natural gas, natural gas liquids.**
N.E.	**113**	**143**	**181**	**203**	**232**	(X)	(X)
Maine	18	24	37	40	43	45	Sand and gravel, cement, zinc, stone.
N.H.	8	9	17	18	21	48	Sand and gravel, stone, clays, gem stones.
Vt.	27	28	29	35	41	46	Stone, asbestos, sand and gravel, talc.
Mass.	36	50	59	70	77	43	Stone, sand and gravel, clays, peat.
R.I.	3	4	6	6	6	49	Sand and gravel, stone, gem stones.
Conn.	21	28	33	34	44	44	Stone, sand and gravel, feldspar, lime.
M.A.	**1,284**	**1,485**	**3,430**	**3,589**	**3,623**	(X)	(X)
N.Y.	290	300	398	428	462	29	Cement, stone, salt, sand and gravel.
N.J.	80	89	124	120	117	40	Stone, sand and gravel, zinc, titanium.
Pa.	914	1,096	2,908	3,041	3,044	7	Coal, cement, stone, natural gas.
E.N.C.	**1,915**	**2,316**	**4,813**	**5,300**	**5,741**	(X)	(X)
Ohio	464	612	1,356	1,436	1,607	14	Coal, natural gas, petroleum, stone.
Ind.	219	256	542	607	698	23	Coal, cement, petroleum, sand and gravel.
Ill.	593	689	1,491	1,581	1,663	10	Coal, petroleum, stone, sand and gravel.
Mich.	566	671	1,292	1,544	1,623	11	Petroleum, iron ore, cement, natural gas.
Wis.	73	88	132	132	150	37	Sand and gravel, stone, iron ore, lime.
W.N.C.	**1,629**	**1,962**	**3,403**	**3,902**	**3,903**	(X)	(X)
Minn.	508	633	1,097	1,218	876	22	Iron ore, sand and gravel, stone, lime.
Iowa	113	121	196	216	238	33	Cement, stone, sand and gravel, gypsum.
Mo.	226	393	723	785	893	21	Lead, cement, stone, iron ore.
N. Dak.	94	96	202	244	272	30	Petroleum, coal, sand and gravel, natural gas liquids.
S. Dak.	51	62	102	102	111	41	Gold, cement, stone, sand and gravel.
Nebr.	84	73	112	123	144	39	Petroleum, cement, sand and gravel, stone.
Kans.	553	584	971	1,214	1,369	16	Petroleum, natural gas, natural gas liquids, cement.
S.A.	**1,693**	**2,406**	**7,191**	**7,254**	**7,220**	(X)	(X)
Del.	2	2	2	2	2	50	Sand and gravel, magnesium compounds, clays, gem stones.
Md.	78	88	165	185	187	36	Coal, stone, cement, sand and gravel.
Va.	268	374	1,262	1,161	1,342	17	Coal, stone, lime, cement.
W. Va.	860	1,285	3,390	3,498	3,208	6	Coal, natural gas, salt, natural gas liquids.
N.C.	60	98	153	203	232	34	Stone, phosphate rock, sand and gravel, cement.
S.C.	41	56	115	125	144	38	Cement, stone, sand and gravel, clays.
Ga.	135	203	333	428	486	28	Clays, stone, cement, sand and gravel.
Fla.	249	300	1,771	1,652	1,619	13	Phosphate rock, petroleum, stone, cement.
E.S.C.	**1,105**	**1,640**	**4,541**	**5,035**	**5,391**	(X)	(X)
Ky.	466	847	2,739	3,115	3,218	5	Coal, stone, petroleum, natural gas.
Tenn.	183	220	423	440	521	26	Coal, stone, zinc, cement.
Ala.	246	323	969	1,030	1,160	19	Coal, petroleum, cement, natural gas.
Miss.	210	250	410	450	492	27	Petroleum, natural gas, sand and gravel, cement.
W.S.C.	**8,795**	**12,868**	**26,741**	**30,120**	**34,503**	(X)	(X)
Ark.	179	226	436	535	574	25	Petroleum, bromine, natural gas, stone.
La.	2,988	5,102	8,513	8,652	10,912	2	Natural gas, petroleum, natural gas liquids, sulfur.
Okla.	909	1,138	2,267	2,790	3,497	4	Petroleum, natural gas, natural gas liquids, coal.
Tex.	4,719	6,402	15,525	18,143	19,520	1	Petroleum, natural gas, natural gas liquids, cement.
Mt.	**3,117**	**4,545**	**8,014**	**9,323**	**10,560**	(X)	(X)
Mont.	228	313	573	636	691	24	Petroleum, coal, copper, natural gas.
Idaho	105	120	234	210	253	32	Phosphate rock, silver, lead, zinc.
Wyo.	515	706	1,644	1,852	2,331	9	Petroleum, coal, sodium carbonate, natural gas.
Colo.	340	390	958	1,110	1,397	15	Sand and gravel, molybdenum, coal, natural gas.
N. Mex.	807	1,060	2,092	2,510	2,911	8	Natural gas, petroleum, natural gas liquids, uranium.
Ariz.	583	1,167	1,288	1,727	1,621	12	Copper, molybdenum, coal, cement.
Utah	439	603	966	1,044	1,085	20	Petroleum, copper, coal, uranium.
Nev.	100	186	259	234	271	31	Copper, gold, sand and gravel, cement.
Pac.	**1,873**	**2,426**	**3,949**	**4,450**	**5,911**	(X)	(X)
Wash.	88	91	159	187	216	35	Cement, coal, sand and gravel, stone.
Oreg.	83	68	106	113	109	42	Stone, sand and gravel, cement, nickel.
Calif.	1,597	1,900	3,153	3,483	4,312	3	Petroleum, cement, natural gas, sand and gravel.
Alaska	84	338	481	625	1,234	18	Petroleum, sand and gravel, natural gas, stone.
Hawaii	21	29	50	42	40	47	Stone, cement, sand and gravel, pumice.

X Not applicable.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1316. Principal Fuels, Nonmetals, and Metals—U.S. Production as Percent of World Production: 1965 to 1977

Mineral	World production						Percent U.S. of world				
	Unit	1965	1970	1975	1976	1977, prel.	1965	1970	1975	1976	1977, prel.
Fuels: [1]											
Coal	bil. sh. tons	3.1	3.3	3.6	3.7	3.8	17	18	18	18	18
Petroleum (crude)	bil. bbl	11.1	16.7	19.5	21.2	21.9	26	21	16	14	14
Natural gas (marketable)	tril. cu. ft	(NA)	37.7	47.3	49.5	51.4	65	58	42	40	39
Nonmetals:											
Asbestos	1,000 sh. tons	3,140	3,851	4,564	5,623	5,879	4	3	2	2	2
Barite	1,000 sh. tons	3,860	4,338	5,358	5,666	5,892	22	20	25	22	25
Feldspar	1,000 sh. tons	2,162	2,786	2,893	2,936	3,045	32	26	23	25	24
Fluorspar	1,000 sh. tons	3,110	4,620	5,015	4,932	5,148	8	4	3	4	3
Gypsum	mil. sh. tons	53.0	56.9	62.9	69.2	72.2	19	17	16	17	19
Mica (incl. scrap)	1,000 sh. tons	218	180	250	247	294	55	66	54	57	60
Nitrogen, agricultural [2]	mil. sh. tons	18.5	33.4	46.7	48.3	50.6	27	25	20	22	21
Phosphate rock	mil. sh. tons	70.3	93.6	118.5	118.3	127.9	34	41	41	42	41
Potash (K_2O equiv.)	mil. sh. tons	15.1	20.0	27.4	26.7	28.4	21	14	9	9	9
Sulphur, elemental	mil. lg. tons	15.3	22.2	50.2	50.1	52.5	48	39	22	21	20
Metals, mine basis:											
Bauxite	mil. lg. tons	36.8	56.9	74.5	76.6	81.1	4	4	2	3	2
Copper [3]	1,000 sh. tons	5,590	6,638	7,672	8,258	8,473	24	26	18	19	18
Gold	mil. troy oz	46.2	47.5	38.7	39.1	39.0	4	4	3	3	3
Iron ore	mil. lg. tons	611	754	887	886	871	14	12	9	9	7
Lead [3]	1,000 sh. tons	2,990	3,742	3,750	3,677	3,759	10	15	17	17	16
Mercury	1,000 flasks [4]	276	284	252	240	199	7	10	3	10	14
Molybdenum [3]	mil. lb	115	181	177	192	206	67	61	60	59	59
Nickel [3]	1,000 sh. tons	468	692	868	905	852	3	2	2	2	2
Silver	mil. troy oz	257	301	298	312	325	16	15	12	11	12
Titanium concentrates:											
Ilmenite [5]	1,000 sh. tons	2,723	3,962	3,218	3,526	3,723	36	23	22	18	17
Tungsten	mil. lb	59.8	71.4	84.3	91.8	93.6	13	13	7	6	6
Uranium oxide (U_3O_8) [5]	1,000 sh. tons	21	24	27	31	38	49	53	43	40	39
Vanadium [3]	1,000 sh. tons	9.1	20.2	23.2	31.3	33.3	58	26	20	24	20
Zinc [3]	1,000 sh. tons	4,695	6,023	6,428	6,358	6,683	13	9	7	8	7
Metals, smelter basis:											
Aluminum	mil. sh. tons	7.0	10.6	13.4	13.8	15.0	37	37	29	31	30
Cadmium	mil. lb	26.1	36.5	33.9	36.4	37.8	27	26	13	12	12
Copper	1,000 sh. tons	6,105	6,752	7,793	8,164	(NA)	24	24	19	19	(NA)
Iron, pig (incl. ferroalloys)	mil. sh. tons	369	474	529	551	543	25	19	15	16	15
Lead	1,000 sh. tons	2,911	3,628	3,656	3,811	3,847	14	18	17	17	16
Magnesium	1,000 sh. tons	178	242	138	149	151	46	46	(NA)	(NA)	(NA)
Steel ingots and castings	mil. sh. tons	507	655	713	747	742	26	20	16	17	17
Tin	1,000 m. tons [6]	200	227	231	230	230	2	(NA)	3	2	3
Zinc	1,000 sh. tons	4,353	5,321	5,592	5,908	6,041	23	16	8	8	7

NA Not available. [1] Source: U.S. Dept. of Energy, *Annual Report to the Congress*. See table 1015 for production by world region. [2] For years ending June 30. U.S. production includes Puerto Rico. [3] Content of ore and concentrate. [4] 76-lb. flasks. [5] Excludes U.S.S.R. [6] Metric tons.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

No. 1317. Federal Strategic and Critical Materials Inventory: 1965 to 1978

[**In millions of dollars.** As of **Dec. 31.** Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be realized at time of sale]

Inventory	1965	1970	1973	1974	1975	1976	1977	1978
Acquisition cost:								
Total in storage	8,033	6,373	5,220	4,136	3,960	3,852	3,721	3,639
National stockpile	5,285	4,248	3,421	2,661	2,555	2,479	2,501	2,487
Supplemental stockpile	1,403	1,420	1,289	1,130	1,095	1,076	1,059	1,045
Defense Production Act	1,341	705	510	346	310	297	161	107
Market value:								
Total in storage	7,804	7,105	7,400	8,037	7,433	8,160	9,153	10,395
National stockpile	5,642	5,081	5,612	5,742	5,259	6,014	7,122	8,321
Supplemental stockpile	1,317	1,587	1,502	2,080	1,948	1,900	1,893	2,014
Defense Production Act	841	437	286	215	226	246	138	60

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress* (OP-4).

No. 1318. U.S. Direct Investment Abroad in Mining and Smelting and in Petroleum—Value, 1970 to 1978, and Earnings, 1978, by Region and Country

[Minus sign (–) denotes loss. See also *Historical Statistics, Colonial Times to 1970*, series U 41–46]

Region and Country	Direct investment position [1] (mil. dol.)								Earnings, 1978 [2] (mil. dol.)	
	Mining and smelting				Petroleum				Mining, smelting	Petroleum
	1970	1975	1977	1978 [2]	1970	1975	1977	1978 [2]		
All areas	**5,405**	**6,548**	**7,073**	**7,020**	**19,754**	**25,972**	**31,420**	**33,302**	**604**	**5,785**
Developed countries	3,286	4,398	4,761	4,670	11,205	20,129	24,851	26,415	398	2,439
Canada	2,574	3,053	3,203	3,030	4,337	6,220	7,660	8,247	174	994
Europe	36	41	40	41	5,481	11,165	13,947	14,719	–4	1,014
Japan	–	–	–	–	525	1,313	1,589	1,646	–	174
Australia, New Zealand, and South Africa	675	1,305	1,519	1,599	863	1,430	1,655	1,803	228	258
Developing countries	2,119	2,150	2,312	2,349	6,644	2,519	3,520	4,525	206	3,303
Latin America	1,712	1,476	1,628	1,664	2,703	3,324	3,489	3,661	190	535
Africa [3]	340	488	545	545	1,750	1,336	1,546	2,092	20	451
Middle East [4]	(Z)	5	6	9	1,265	–4,888	–3,969	–3,519	(Z)	1,434
Other Asia and Pacific	67	181	133	132	926	2,746	2,454	2,290	–5	883
Internat'l and unallocated	(X)	(X)	(X)	(X)	1,905	3,323	3,049	2,362	(X)	43

– Represents zero. X Not applicable. Z Less than $500,000. [1] Value at yearend. [2] Preliminary. [3] Excludes South Africa. [4] Includes Bahrain, Iran, Israel, Jordan, Kuwait, Lebanon, Qatar, Saudi Arabia, South Yemen, Syria, Trucial States, Oman, and Yemen. Negative direct investment position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its investment in the foreign affiliate.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1979.

No. 1319. Net U.S. Imports of Selected Minerals and Metals as Percent of Apparent Consumption, 1960 to 1978, and by Major Foreign Sources, 1974–1977

[**In percent.** Figures based on net imports which equal the difference between imports and exports plus or minus Government stockpile and industry stock changes]

Mineral	1960	1965	1970	1973	1974	1975	1976	1977	1978	Rank of major foreign sources, 1974-1977
Columbium	100	100	100	100	100	100	100	100	100	Brazil, Thailand, Canada.
Mica (sheet)	94	94	100	100	100	100	100	100	100	India, Brazil, Malagasy Republic.
Strontium	100	100	100	100	100	100	100	100	100	Mexico, Spain.
Manganese	89	94	95	98	98	98	98	98	98	Gabon, Brazil, South Africa.
Tantalum	94	95	96	87	87	81	96	97	97	Thailand, Canada, Malaysia, Brazil.
Cobalt	66	92	98	98	99	98	98	97	97	Zaire, Belg.-Lux., Zambia, Finland.
Bauxite [1]	74	85	88	92	92	91	91	91	93	Jamaica, Australia, Surinam.
Chromium	85	92	89	91	90	91	89	89	92	So. Africa, U.S.S.R., So. Rhodesia, Turkey.
Platinum group	82	87	78	87	87	83	90	92	91	So. Africa, U.S.S.R., United Kingdom.
Asbestos	94	85	83	82	87	82	85	85	84	Canada, South Africa.
Fluorine	48	77	80	79	81	85	79	80	82	Mexico, Spain, South Africa.
Tin	82	80	81	84	84	84	85	86	81	Malaysia, Bolivia, Thailand, Indonesia.
Nickel	72	73	71	69	72	72	70	70	77	Canada, Norway, New Caledonia.
Cadmium	13	20	7	41	46	41	64	51	66	Canada, Australia, Belg.-Lux., Mexico.
Zinc	46	53	54	64	59	61	59	58	62	Canada, Mexico, Australia, Belg.-Lux.
Potassium	(2)	7	42	53	58	51	61	66	61	Canada, Israel, W. Germany.
Selenium	25	44	11	57	59	66	59	47	61	Canada, Japan, Yugoslavia, Mexico.
Mercury	25	49	41	78	86	69	62	46	57	Algeria, Canada, Spain, Mexico.
Gold	56	72	59	48	63	52	76	60	54	Canada, Switzerland, U.S.S.R.
Tungsten	32	57	50	66	68	55	54	38	50	Canada, Bolivia, Peru, Thailand.
Antimony	43	36	40	50	44	49	54	52	48	South Africa, Bolivia, China.
Petroleum [3]	16	19	21	35	37	35	41	51	47	Saudi Arabia, Nigeria, Libya, Venezuela.
Silver	43	16	26	66	55	30	50	42	41	Canada, Mexico, Peru, U.K.
Barium	45	46	45	37	38	32	42	40	40	Peru, Ireland, Mexico.
Titanium [4]	22	9	24	28	33	25	29	38	39	Canada, Australia.
Gypsum	35	37	39	35	37	34	35	35	34	Canada, Mexico, Jamaica, Dominican Rep.
Iron ore	18	32	30	35	37	30	29	33	29	Canada, Venezuela, Brazil, Liberia.
Vanadium	(2)	15	21	43	36	38	37	37	27	South Africa, Chile, U.S.S.R.
Iron and steel	(2)	7	4	10	7	9	7	13	13	Japan, Europe, Canada.
Aluminum	(2)	4	(2)	18	4	(2)	9	8	10	Canada.

[1] Includes alumina. [2] Net exports. [3] Includes crude and products. Source: Beginning 1977, Energy Information Administration, *P.A.D. Supply and Demand*, annual. [4] Ilmenite.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*; import and export data from U.S. Bureau of the Census.

No. 1320. Selected Mineral and Metal Products—Imports and Exports: 1965 to 1978

[Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries]

Product	Quantity						Value (mil. dol.)				
	Unit	1965	1970	1975	1977	1978	1965	1970	1975	1977	1978
IMPORTS											
Petroleum, crude	Mil. bbl	502	535	1,581	2,508	2,406	1,120	1,260	18,290	33,398	32,298
Nonmetallic minerals:											
Asbestos	1,000 sh. tons	684	639	525	585	605	66	74	108	141	148
Diamonds: Gem	Mil. carats	3.2	4.3	4.6	6.4	6.7	307	425	722	1,445	1,962
Industrial	Mil. carats	12.2	11.2	10.9	15.5	13.5	54	44	45	65	67
Ores and concentrates:											
Bauxite	Mil. lg. tons	12.5	14.3	11.6	13.2	13.8	143	156	235	339	384
Chromite	1,000 sh. tons	1,518	1,406	1,253	1,284	10,862	25	32	61	66	51
Copper	1,000 sh. tons [1]	11	66	29	18	24	6	79	36	21	25
Iron ore	Mil. lg. tons	45.1	44.9	46.7	37.9	33.6	444	479	860	957	845
Lead	1,000 sh. tons [1]	129	43	45	98	68	27	8	12	40	25
Manganese ore	1,000 sh. tons	3,892	1,735	1,574	937	579	110	34	77	57	37
Nickel [2]	1,000 sh. tons [1]	31	33	23	24	6	41	96	78	96	19
Tin	1,000 lg. tons [1]	4	5	6	7	4	13	14	44	61	44
Tungsten	Sh. tons [2]	1,802	642	3,235	3,507	4,609	4	3	32	56	68
Metals (incl. scrap): [3]											
Aluminum	1,000 sh. tons	555	387	489	388	468	227	177	344	101	422
Copper	1,000 sh. tons	137	137	164	468	483	94	154	188	512	555
Lead [4]	1,000 sh. tons	232	253	105	270	262	70	80	53	162	183
Nickel	1,000 sh. tons	136	137	176	193	243	208	327	520	620	737
Platinum group	1,000 troy oz	1,220	1,411	1,719	2,519	2,895	73	105	255	272	447
Tin [5]	1,000 lg. tons	41	51	52	48	52	160	188	315	462	574
Zinc	1,000 sh. tons	159	262	380	571	696	44	74	275	363	389
EXPORTS											
Fuels:											
Bituminous coal	Mil. sh. tons	50.3	71.0	65.8	35.4	30.3	466	955	3,242	1,724	1,647
Petroleum, crude	1,000 bbl	1,004	4,991	19	16,450	29	3	17	(Z)	209	389
Metals (incl. scrap): [3]											
Aluminum (incl. alloys)	1,000 sh. tons	242	466	253	199	60	105	236	163	159	52
Copper (incl. alloys)	1,000 sh. tons	424	348	145	241	172	312	403	126	103	151
Iron and steel, scrap [6]	1,000 sh. tons	6,170	10,112	9,442	5,854	9,130	197	432	763	381	684
Nonmetallic minerals:											
Cement, hydraulic	1,000 bbl	748	847	988	1,593	1,407	4	5	28	24	21
Phosphate rock	1,000 sh. tons	862	815	1,285	1,187	15,094	11	10	37	28	367
Potash material	1,000 sh. tons	1,099	1,046	1,524	1,090	2,036	43	37	112	100	120
Sulfur [7]	1,000 lg. tons	2,635	1,433	1,288	1,050	814	66	34	70	48	35

Z Less than $500,000. [1] Of metal. [2] Includes matte and oxide. [3] Excludes semifabricated forms, except as noted. [4] Includes alloys in chief value of lead. [5] Includes alloys in chief value of tin. [6] Includes tin plated and terne plated scrap. [7] Includes crude (containing 85 percent or more sulfur), crushed, ground, refined, sublimed, and flowers.

Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports, TSUSA Commodity and Country*, FT 246, annual; *U.S. Exports, Schedule B Commodity and Country*, FT 410, monthly; and unpublished data.

No. 1321. Selected Mineral Industries—Average Weekly and Hourly Earnings and Weekly Hours: 1960 to 1977

Item	1960	1965	1969	1970	1971	1972	1973	1974	1975	1976	1977
All mining:											
Weekly earnings ... dol.	104	122	153	160	168	181	196	213	229	256	303
Hourly earnings ... dol.	2.45	2.77	3.43	3.66	3.87	4.17	4.47	4.91	5.42	3.99	6.88
Weekly hours	42.5	44.0	44.6	43.8	43.5	43.4	44.0	43.5	42.4	42.9	44.1
Crude petroleum and natural gas:											
Weekly earnings ... dol.	103	116	147	156	160	170	192	224	249	273	301
Hourly earnings ... dol.	2.46	2.74	3.59	3.83	3.75	3.97	4.69	5.33	6.05	6.59	7.13
Weekly hours	42.0	42.4	41.0	40.7	42.6	42.8	40.9	42.0	40.8	41.4	42.2
Coal mining:											
Weekly earnings ... dol.	110	138	167	184	194	216	227	237	283	312	353
Hourly earnings ... dol.	3.11	3.46	4.20	4.52	4.79	5.30	5.69	6.20	7.21	7.88	8.41
Weekly hours	35.5	39.9	39.7	40.7	40.6	41.0	39.9	38.2	39.3	39.5	41.2
Metal mining:											
Weekly earnings ... dol.	111	127	157	166	171	186	200	227	251	281	299
Hourly earnings ... dol.	2.68	3.06	3.65	3.88	4.12	4.47	4.76	5.43	6.13	6.75	7.27
Weekly hours	41.6	41.6	43.1	42.7	41.6	41.5	42.1	41.8	40.9	41.6	41.2
Nonmetal mining incl. quarrying:											
Weekly earnings ... dol.	98	117	149	156	165	177	197	209	211	237	260
Hourly earnings ... dol.	2.27	2.57	3.27	3.48	3.68	3.95	4.18	4.52	4.85	5.38	5.84
Weekly hours	43.3	45.7	45.6	44.7	44.9	44.8	47.1	46.3	43.5	44.0	44.5

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1322. Selected Mineral Industries—Employment: 1950 to 1977

[Prior to 1973, excludes Alaska and Hawaii, except as noted. Beginning 1973, no estimates of persons or man-hours were made to cover nonrespondent establishments, and data for all industries except coal mines include office workers. See also *Historical Statistics, Colonial Times to 1970*, series M 287–306]

INDUSTRY	1950	1955	1960	1965	1970	1973	1974	1975	1976	1977
PERSONS WORKING DAILY [1] (1,000)										
Coal mines	[2] 483	[2] 260	[2] 190	[2] 149	[2] 144	147	177	218	215	230
Metal mines	[2] 68	[2] 65	[2] 61	[2] 51	[2] 46	56	59	61	60	60
Nonmetal mines [3]	[2] 12	[2] 15	[2] 19	[2] 17	[2] 15	[4] 20	[4] 22	[4] 25	[4] 21	[4] 22
Sand and gravel operations	(NA)	(NA)	52	54	51	39	47	50	45	47
Stone quarries [5]	86	78	95	90	82	81	88	86	93	95
Metal mills	15	18	23	19	22	27	30	33	33	34
Nonmetal mills	(NA)	9	40	31	27	23	25	24	26	28
MAN-HOURS WORKED (mil.)										
Coal mines	[2] 711	[2] 419	[2] 282	[2] 249	[2] 260	278	297	368	383	391
Metal mines	[2] 148	[2] 137	[2] 120	[2] 112	[2] 108	108	115	113	114	109
Nonmetal mines [3]	[2] 28	[2] 31	[2] 37	[2] 38	[2] 32	[4] 35	[4] 38	[4] 43	[4] 38	39
Sand and gravel operations	(NA)	(NA)	96	100	95	58	62	65	65	69
Stone quarries [5]	190	176	202	194	184	145	152	146	170	177
Metal mills	35	40	54	49	57	52	55	59	67	62
Nonmetal mills	(NA)	20	86	71	62	44	47	46	52	55

NA Not available. [1] Average number of persons at work each day mines were active. [2] Includes Alaska. [3] Includes clay mines. Beginning 1960, includes Hawaii. [4] Excludes extraction of Frasch process sulfur. [5] Includes manufacture of cement and lime except, beginning 1973, excludes cement manufacturing. Beginning 1960, includes Alaska and Hawaii.

Source: 1950–1970, U.S. Bureau of Mines, *Minerals Yearbook*, and unpublished data; thereafter, U.S. Mining Enforcement and Safety Administration, Denver, Colorado, unpublished data.

No. 1323. Employment in Mining—Selected States and Other Areas: 1965 to 1977

STATE	1965	1970	1975	1976	1977	STATE OR OTHER AREA	1965	1970	1975	1976	1977
U.S.	411,806	387,268	464,793	456,982	477,545	Nev	3,820	3,478	4,057	3,625	4,137
						N. Mex	7,780	8,274	11,081	12,338	12,966
Ala	11,025	9,654	14,387	13,567	14,851	N.Y	9,382	8,268	7,553	7,415	7,132
Ariz	13,181	14,458	19,982	19,200	18,564	N.C	4,460	4,772	4,401	4,412	4,876
Ark	5,693	4,855	5,839	5,515	5,740	Ohio	17,848	17,976	22,842	22,523	23,005
Calif	17,599	16,729	10,125	11,128	11,941						
Colo	8,619	8,295	11,296	10,595	11,213	Okla	[1] 2,029	2,860	3,075	3,144	3,624
						Oreg	4,578	2,927	2,711	2,193	2,372
Fla	6,754	6,600	7,874	8,715	8,856	Pa	[1] 46,676	39,775	44,303	46,401	47,655
Ga	6,176	6,784	7,325	7,313	7,552	S.C	2,094	2,233	2,005	2,077	2,258
Idaho	4,075	3,691	3,832	3,671	3,713	S. Dak	3,615	3,164	2,911	3,110	2,972
Ill	[1] 14,875	15,375	19,744	20,955	21,605						
Ind	7,338	6,979	7,501	7,688	8,045	Tenn	8,709	7,523	10,004	10,364	10,608
						Tex	11,129	10,986	12,782	12,275	13,136
Iowa	5,203	4,221	5,262	4,981	5,166	Utah	8,494	8,585	10,081	10,173	10,937
Kans	4,365	3,294	3,926	3,649	3,677	Va	[1] 16,684	15,657	21,373	20,867	22,506
Ky	[1] 27,749	28,695	44,793	38,907	43,166	Wash	3,571	2,570	3,243	3,045	3,674
La	4,533	4,966	4,439	4,615	4,615						
Md	2,909	2,709	2,541	2,597	2,964	W.Va	46,866	47,844	62,597	63,594	65,574
						Wis	[1] 5,276	4,038	5,288	3,931	3,609
Mass	[1] 2,357	1,751	1,903	2,012	2,030	Wyo	4,044	4,895	11,319	10,399	12,749
Mich	13,171	11,986	10,537	10,366	10,627	Other States [1]	17,053	11,871	11,249	9,892	10,599
Minn	13,961	12,634	13,771	13,820	12,753						
Miss	[1] 1,804	1,474	1,296	1,425	1,493	P.R	–	–	458	1,644	1,562
Mo	9,599	8,992	10,731	10,310	10,593	V. Islds	–	–	385	381	388
Mont	6,712	5,430	4,814	4,175	3,992						

– Represents zero.
[1] Due to the confidentiality of certain data, a part of the persons employed are included in "Other States."
Source: U.S. Mining Enforcement and Safety Administration, Denver, Colorado, unpublished data.

No. 1324. Mineral Industries—Injuries and Fatalities: 1960 to 1977

[Prior to 1972, data for coal mining and metal and nonmetal mining exclude Hawaii, except as noted. Excludes data on iron smelting and steel industries. See also *Historical Statistics, Colonial Times to 1970*, series M 271-286]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977
Coal mining:									
Injuries, total	12,227	11,397	11,812	12,485	11,352	8,678	11,262	14,530	15,128
Fatal	325	259	260	156	132	133	155	141	139
Nonfatal	11,902	11,138	11,552	12,329	11,220	8,545	11,107	14,389	14,989
Rate per million work-hours:									
Fatal	1.2	1.0	1.0	.6	.5	.5	.4	.4	.4
Nonfatal	42	45	44	46	40	29	30	38	38
Fatalities per 1,000 employed [1]	1.71	1.74	1.81	.96	.90	.75	.71	.66	.60
Quarrying and related industries: [2] [3]									
Injuries, total	4,707	3,353	3,709	3,038	2,501	2,664	2,566	2,926	3,300
Fatal	39	48	43	46	60	48	36	33	39
Nonfatal	4,668	3,305	3,666	2,992	2,441	2,616	2,530	2,893	3,261
Rate per million work-hours:									
Fatal	.2	.3	.2	.3	.4	.3	.2	.2	.2
Nonfatal	23	17	20	21	17	17	17	17	18
Metal and nonmetal mining: [2] [4]									
Injuries, total	7,253	6,328	6,730	5,392	5,037	5,460	5,169	4,923	4,703
Fatal	121	92	93	152	75	71	66	56	69
Nonfatal	7,132	6,236	6,637	5,240	4,962	5,389	5,103	4,867	4,634
Rate per million work-hours:									
Fatal	.8	.6	.7	.7	.3	.3	.3	.2	.3
Nonfatal	45	42	47	25	21	21	20	18	17
Rate per 1,000 workers: [1]									
Fatal	1.5	1.4	1.5	1.7	.6	.5	.5	.4	.5
Nonfatal	89	92	109	58	39	40	36	35	32

[1] See footnote 1, table 1322. [2] Includes office workers. [3] Includes manufacture of cement and lime, except, beginning 1972, excludes cement manufacturing. [4] Nonmetal mines include clay mines and also Hawaii. Beginning 1972, nonmetal mines exclude extraction of Frasch process sulfur.

Source: 1960-1970, U.S. Bureau of Mines, *Minerals Yearbook*, and unpublished data; thereafter, U.S. Mining Enforcement and Safety Administration, Denver, Colorado, unpublished data.

No. 1325. Fuel Consumption, by Type of Use: 1960 to 1978

FUEL AND USE	CONSUMPTION								PERCENT USE		
	1960	1965	1970	1974	1975	1976	1977	1978 [1]	1965	1970	1978 [1]
Petroleum [2] ... mil. bbl.	**3,611**	**4,202**	**5,365**	**6,078**	**5,958**	**6,391**	**6,727**	**6,870**	**100**	**100**	**100**
Fuel use ... mil. bbl.	3,301	3,802	4,787	5,390	5,299	5,689	5,960	(NA)	90	89	(NA)
Nonfuel use ... mil. bbl.	310	400	578	688	659	702	767	(NA)	10	11	(NA)
Residential [3] ... mil. bbl.	853	978	1,129	1,058	1,007	1,094	1,083	1,106	23	21	16
Industrial ... mil. bbl.	644	740	961	1,141	1,046	1,243	1,376	1,401	18	18	20
Transportation ... mil. bbl.	1,934	2,272	2,903	3,268	3,336	3,501	3,622	3,703	54	54	54
Electrical generation ... mil. bbl.	90	119	334	560	518	553	646	660	3	6	10
Miscellaneous ... mil. bbl.	90	93	38	51	51	–	–	–	2	1	–
Natural gas ... bil. cu. ft.	**12,269**	**15,598**	**21,367**	**21,223**	**19,537**	**19,947**	**19,521**	**19,420**	**100**	**100**	**100**
Fuel use ... bil. cu. ft.	11,949	15,216	20,815	20,664	19,008	19,390	(NA)	(NA)	97	97	(NA)
Nonfuel use ... bil. cu. ft.	320	382	552	559	529	557	(NA)	(NA)	3	3	(NA)
Residential [3] ... bil. cu. ft.	4,123	5,347	6,894	7,049	7,192	7,434	7,065	7,280	34	32	37
Industrial ... bil. cu. ft.	4,535	5,958	7,889	8,306	6,979	6,967	6,817	6,520	37	37	34
Pipeline fuel ... bil. cu. ft.	347	501	722	669	583	548	533	520	3	3	3
Electrical generation ... bil. cu. ft.	1,725	2,318	3,894	3,429	3,147	3,078	3,189	3,220	14	18	17
Lease and plant fuel ... bil. cu. ft.	1,237	1,156	1,399	1,477	1,396	1,634	1,659	1,620	10	7	8
Miscellaneous ... bil. cu. ft.	302	318	569	293	240	286	258	260	2	3	1
Coal [4] [5] ... mil. sh. tons	**[5] 407**	**[5] 473**	**524**	**558**	**563**	**604**	**625**	**624**	**100**	**100**	**100**
Fuel use ... mil. sh. tons	393	467	518	554	563	604	625	624	99	99	100
Nonfuel use ... mil. sh. tons	5	5	6	4	(Z)	(Z)	(Z)	(Z)	1	1	(Z)
Residential [3] ... mil. sh. tons	37	26	16	11	9	9	9	10	6	3	2
Industrial ... mil. sh. tons	175	201	187	155	148	147	139	133	43	36	21
Electrical generation ... mil. sh. tons	177	245	321	392	406	448	477	481	52	61	77

– Represents zero. NA Not available. Z Less than 500,000 short tons or .5 percent. [1] Preliminary. [2] Products refined and processed from crude oil, including still gas, liquefied refinery gas, and natural gas liquids. [3] Includes commercial. [4] Includes anthracite, bituminous, and lignite coals. [5] Includes transportation and miscellaneous, not shown separately.

Source: Through 1975, U.S. Bureau of Mines, *United States Energy Through the Year 2000*, December 1972; and *Minerals Yearbook* (in some cases data have been revised by EIA); thereafter, U.S. Energy Information Administration, *Annual Report to Congress*, vol. III.

No. 1326. Coal and Coke—Summary: 1960 to 1978

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1976, was 438 billion tons. Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 93–126]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978 [1]
COAL [2]										
Total production....mil. sh. tons..	434	527	613	602	599	610	655	685	697	660
Value....mil. dol..	2,098	2,398	3,878	4,647	5,140	9,631	12,671	13,399	13,908	14,871
World production...mil. sh. tons..	2,899	3,079	3,295	3,339	3,399	3,457	3,612	3,716	3,783	3,911
Bituminous:										
Production....mil. sh. tons..	416	512	603	595	592	603	648	679	691	654
Value, total....mil. dol..	1,950	2,276	3,773	4,562	5,050	9,486	12,472	13,189	13,705	14,645
Average per ton....dollars..	4.69	4.44	6.26	7.66	8.53	15.75	19.23	19.43	19.82	22.40
Method of mining:										
Underground...mil. sh. tons..	285	333	339	304	299	277	292	295	266	242
Surface....mil. sh. tons..	131	179	264	291	292	326	356	384	425	411
As percent of total prod....	31.4	35.1	43.8	48.9	49.5	54.0	54.8	56.6	61.6	62.9
Exports....mil. sh. tons..	37	50	71	56	53	60	66	59	54	40
Value....mil. dol..	332	465	951	973	1,002	2,420	3,233	2,886	2,628	2,004
Imports [3]....1,000 sh. tons..	260	184	36	47	127	2,080	940	1,203	1,803	2,953
Value [3]....mil. dol..	2	2	(Z)	1	2	58	22	18	39	75
Consumption [4]....mil. sh. tons..	380	459	516	517	556	553	556	599	620	618
Electric power utilities....	174	243	319	349	387	390	403	447	476	480
Manufacturing, mining ind....	173	197	184	159	161	154	146	145	138	130
Number of mines....	7,865	7,228	5,601	4,879	4,744	5,247	6,168	6,161	6,074	6,075
Average men employed [5]..1,000..	169	134	140	149	148	167	190	202	215	221
Average days worked....	191	219	228	225	227	206	232	232	218	207
Average tons per man: Per day..	12.83	17.52	18.84	17.74	17.58	17.58	14.74	14.46	14.84	14.26
Per year..	2,453	3,829	4,296	3,992	3,991	3,848	3,420	3,355	3,235	2,952
Production, by State:										
Alabama....mil. sh. tons..	13.0	14.8	20.6	20.8	19.2	19.8	22.6	21.5	21.5	20.1
Illinois....mil. sh. tons..	46.0	58.5	65.1	65.5	61.6	58.2	59.5	58.2	53.5	48.9
Indiana....mil. sh. tons..	15.5	15.6	22.3	25.9	25.3	23.7	25.1	25.4	27.8	23.9
Kentucky....mil. sh. tons..	66.8	85.8	125.3	121.2	127.6	137.2	143.6	144.0	146.3	131.2
Ohio....mil. sh. tons..	34.0	39.4	55.4	51.0	45.8	45.4	46.8	46.6	47.9	43.5
Pennsylvania...mil. sh. tons..	65.4	80.3	80.5	75.9	76.4	80.5	84.1	85.8	84.6	75.1
Virginia....mil. sh. tons..	27.8	34.1	35.0	34.0	34.0	34.3	35.5	40.0	37.6	29.8
West Virginia...mil. sh. tons..	118.9	149.2	144.1	123.7	115.4	102.5	109.3	108.8	95.4	84.7
Wyoming....mil. sh. tons..	2.0	3.3	7.2	10.9	14.9	20.7	23.8	30.8	46.0	58.2
Other States....mil. sh. tons..	26.0	31.3	47.4	66.4	71.5	81.1	98.1	117.6	130.7	138.4
Anthracite (Pa.):										
Production....mil. sh. tons..	19	15	10	7	7	7	6	6	6	6
Value, total....mil. dol..	147	122	105	85	90	145	198	209	202	226
Average per ton....dollars..	7.82	8.21	10.83	12.00	13.65	22.19	31.99	33.59	34.53	35.00
COKE										
Production [6]....mil. sh. tons..	57.2	66.9	66.5	60.5	64.3	61.6	57.2	58.3	53.5	48.6
Oven coke [7]....mil. sh. tons..	56.2	65.2	65.7	59.9	63.5	60.7	56.5	57.7	53.1	48.2
Value of prod. at plant...mil. dol..	1,382	1,429	2,193	2,376	2,931	5,262	5,261	5,941	5,536	(NA)
Coke and breeze....mil. dol..	1,075	1,118	1,899	2,080	2,575	4,609	4,607	5,021	4,653	(NA)
Avg. market value per ton....dol..	18.31	16.84	27.71	33.21	37.97	73.24	84.34	86.07	86.95	(NA)
Coal charged....mil. sh. tons..	81.4	95.3	96.5	87.7	94.1	90.2	83.6	84.7	77.7	71.5
Average value per ton...dollars..	9.82	9.40	12.47	15.66	18.24	36.49	44.21	44.16	46.26	(NA)
Yield of coke from coal...percent..	70.3	70.4	69.1	69.0	68.4	69.3	68.4	68.9	68.9	(NA)

NA Not available. Z Less than $500,000. [1] Preliminary. [2] Relates to mines having an output of 1,000 tons a year or more, including lignite and small output of anthracite produced outside Pennsylvania. [3] Except for 1960, includes anthracite. [4] Includes some categories not shown separately. [5] Average number of men working daily. [6] Includes beehive coke. [7] Excludes screenings or breeze.

Source: 1960 to 1976, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Weekly Coal Report.*

No. 1327. Petroleum Industry—Expenditures for New Plant and Equipment, by Function: 1960 to 1979

EXPENDITURE FUNCTION	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979 [1]
Total....bil. dol..	**2.9**	**4.0**	**5.6**	**5.3**	**5.5**	**8.0**	**10.5**	**11.6**	**13.9**	**15.5**	**16.4**
Production....bil. dol..	1.6	2.0	2.2	2.2	2.6	3.9	5.1	5.6	7.1	8.2	8.1
Refining and petrochemicals.bil. dol..	.6	.9	1.4	1.2	1.1	2.2	2.9	3.4	3.6	3.7	4.0
Marketing....bil. dol..	.5	.7	1.1	1.0	.6	.5	.5	.6	.7	.8	.8
Transportation....bil. dol..	.2	.2	.4	.3	.4	.5	.8	1.0	1.0	.7	.8
Other....bil. dol..	.1	.2	.6	.6	.7	.9	1.2	1.1	1.6	2.1	2.7

[1] Estimates are based on planned capital expenditures reported in late January and February 1979.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, March issues.

No. 1328. Petroleum Industry—Summary: 1940 to 1978

Year	Producing oil wells: Total (1,000)	Producing oil wells: Daily output per well (bbl.)	Completed wells drilled (1,000): Total	Completed wells drilled (1,000): Oil	Completed wells drilled (1,000): Gas	Completed wells drilled (1,000): Dry	Domestic oil production: Total (mil. bbl.)	Domestic oil production: Value at wells (bil. dol.)	Domestic oil production: Avg. price per bbl. (dol.)	Imports, crude petroleum (mil. bbl.)	Refinery capacity (mil. bbl.)
1940	389	9.6	30	19	2	7	1,353	1.4	1.02	43	1,694
1945	416	11.3	27	14	3	7	1,714	2.1	1.22	74	1,935
1950	466	11.8	43	24	3	15	1,974	5.0	2.51	178	2,444
1955	524	13.2	57	32	4	21	2,484	6.9	2.77	285	3,074
1960	591	12.0	44	21	5	18	2,575	7.4	2.88	372	3,624
1965	589	13.3	40	19	5	16	2,849	8.2	2.86	452	3,933
1970	531	18.0	27	13	4	11	3,517	11.2	3.18	483	4,407
1971	517	18.1	25	11	4	10	3,454	11.7	3.39	613	4,752
1972	508	18.4	26	11	5	11	3,455	11.7	3.39	811	4,918
1973	497	18.3	26	10	6	10	3,361	13.1	3.89	1,184	5,038
1974	498	17.6	31	13	7	12	3,203	21.6	6.74	1,269	5,289
1975	500	16.8	37	16	8	13	3,057	23.4	7.67	1,498	5,537
1976	499	16.3	41	17	9	15	2,976	24.4	8.19	1,935	5,646
1977	508	16.2	45	19	11	15	3,011	25.8	8.57	2,407	6,149
1978, prel	516	16.8	47	18	13	16	3,164	28.3	8.96	2,206	6,267

Source: 1940–1955, American Petroleum Institute, Washington, D.C., *Petroleum Facts and Figures*, biennial; beginning 1960, U.S. Energy Information Administration, *Annual Report to Congress, 1978*, volume II.

No. 1329. Crude Petroleum and Refined Products: 1965 to 1978

[**Barrels of 42 gallons.** See also *Historical Statistics, Colonial Times to 1970*, series M 138–142, M 178, and M 181]

Item	1965	1970	1972	1973	1974	1975	1976	1977	1978 [1]
Crude petroleum:									
Domestic production ... mil. bbl.	2,849	3,517	3,455	3,361	3,203	3,057	2,976	3,009	3,178
Value at wells ... bil. dol.	8.2	11.2	11.7	13.1	21.6	23.1	24.2	25.8	28.5
Average price per barrel at wells ... dol.	2.86	3.18	3.39	3.89	6.74	7.67	8.14	8.57	8.96
Producer price index (1967=100) [2]	98.2	106.1	113.8	126.0	211.8	245.7	253.6	274.2	300.1
World production ... mil. bbl.	11,058	16,719	18,601	20,561	20,537	19,475	21,192	21,901	21,741
U.S. proportion of world total ... percent	26	21	19	17	16	16	14	14	15
Imports ... mil. bbl.	452	483	811	1,184	1,269	1,498	1,935	2,414	2,275
From OPEC [3] countries ... mil. bbl.	316	214	462	765	927	1,172	1,664	2,060	1,869
Exports ... mil. bbl.	1	5	–	1	1	2	3	18	58
Stocks, Dec. 31 ... mil. bbl.	220	276	246	242	265	271	285	348	377
Producing oil wells, Dec. 31 ... 1,000	589	531	508	497	498	500	499	507	517
Proved reserves, Dec. 31 ... mil. bbl.	31,352	39,001	36,339	35,300	34,250	32,682	30,942	29,486	27,804
Refinery capacity:									
Total [4] ... mil. bbl.	3,709	4,337	4,758	4,922	5,205	5,379	5,448	5,811	6,151
Receipts at refineries ... mil. bbl.	3,297	3,973	4,279	4,546	4,436	4,546	4,920	5,345	5,372
By pipeline: Domestic ... mil. bbl.	2,363	2,840	2,964	2,905	2,754	2,662	2,643	2,530	2,418
Foreign ... mil. bbl.	107	237	318	409	370	398	443	568	594
By water: Domestic ... mil. bbl.	444	610	454	399	342	305	271	319	584
Foreign ... mil. bbl.	344	244	490	775	896	1,101	1,487	1,835	1,683
By tank cars and trucks ... mil. bbl.	38	43	53	58	74	80	76	94	94
Utilization rate [5] ... percent	(NA)	88.6	88.4	89.8	83.9	84.2	87.0	89.1	88.6
Refined products:									
Completed refineries, Dec. 31 ... number	286	279	277	284	290	287	291	302	311
Daily crude oil capacity ... mil. bbl.	10.5	13.0	13.8	14.5	15.2	15.4	16.6	17.2	17.5
Average dealer's net price (excl. tax) of gasoline (55 cities) [6] ... cents per gal.	15.38	17.68	17.72	19.48	30.54	35.78	38.99	42.51	(NA)
Yield of gasoline ... percent	44.0	45.3	46.2	45.6	45.9	46.5	45.5	43.4	44.1
Imports ... mil. bbl.	449	765	924	1,099	962	712	741	800	729
Exports ... mil. bbl.	67	89	81	84	79	74	79	70	74
Stocks, Dec. 31 ... mil. bbl.	580	741	713	766	809	862	826	964	901

– Represents zero. NA Not available. [1] Preliminary. [2] Source: U.S. Bureau of Labor Statistics. [3] Organization of Petroleum Exporting Countries. Comprises Algeria, Ecuador, Gabon, Indonesia, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. [4] Source: U.S. Energy Information Administration, *Trends in Refinery and Utilization*, September 1978. [5] Crude runs as percent of domestic capacity. [6] Source: Platt's Oilgram Price Service.

Source: Except as noted, through 1976, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, United States Energy Information Administration, *Energy Data Reports, Petroleum Refineries in the United States and U.S. Territories*, annual.

No. 1330. Petroleum—Runs to Stills and Refinery Products, by Class: 1960 to 1978

[**In millions of barrels, except percent.** Barrels of 42 gallons, except as indicated. 1960 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series M 162-177]

Product	1960	1970	1972	1973	1974	1975	1976	1977	1978, prel.	Percent 1970	Percent 1975	Percent 1978, prel.
Input	3,119	4,252	4,593	4,845	4,714	4,814	5,190	5,594	5,630	100.0	100.0	100.0
Crude petroleum	2,952	3,967	4,281	4,537	4,429	4,541	4,910	5,330	5,377	93.3	94.3	95.5
Domestic	2,581	3,485	3,474	3,360	3,169	3,047	2,989	2,932	3,098	82.0	63.3	55.0
Foreign	371	482	807	1,177	1,260	1,494	1,921	2,398	2,278	11.3	31.0	40.5
Natural-gas liquids [1]	167	285	312	308	285	273	279	264	253	6.7	5.7	4.5
Output	3,119	4,252	4,593	4,845	4,714	4,814	5,190	5,594	5,630	100.0	100.0	100.0
Gasoline	1,510	2,100	2,316	2,399	2,336	2,393	2,516	2,581	2,630	49.4	49.7	46.7
Kerosene	136	95	79	79	56	56	56	62	56	2.2	1.2	1.0
Distillate fuel oil	667	896	962	1,029	974	968	1,070	1,196	1,150	21.1	20.1	20.4
Residual fuel oil	332	258	293	354	390	451	504	640	611	6.1	9.4	10.9
Jet fuel	88	302	310	314	305	318	336	355	355	7.1	6.6	6.3
Lubricants	59	66	65	69	71	56	62	64	69	1.6	1.2	1.2
Wax (1 bbl.=280 lb.)	6	6	6	7	7	6	7	7	7	.1	.1	.1
Coke (5 bbl.=1 sh. ton)	60	108	120	132	124	129	130	135	135	2.5	2.7	2.4
Asphalt (5.5 bbl.=1 sh. ton)	99	147	155	168	164	144	140	154	172	3.5	3.0	3.1
Still gas (1 bbl.=3,600 cu. ft.)	129	164	171	177	176	175	181	191	201	3.9	3.6	3.6
Liquefied gases	78	116	121	128	117	109	119	122	125	2.7	2.3	2.2
Petrochemical feedstocks	(NA)	100	124	132	135	122	164	193	221	2.3	2.5	3.9
Other finished products	30	63	65	68	71	68	88	94	91	1.5	1.4	1.6
Other unfinished oils (net) [2]	*22*	*38*	*52*	*46*	*37*	*13*	*8*	*8*	*13*	*.9*	*.3*	*.2*
Shortage [2]	*53*	*131*	*142*	*165*	*176*	*168*	*175*	*191*	*180*	*3.1*	*3.5*	*3.2*

NA Not available. [1] Includes other liquid hydrocarbons. [2] Negative quantities.

Source: Through 1976, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement*, annual.

No. 1331. Crude Petroleum—Producing Oil Wells, 1970 and 1978, Production, 1966 to 1978, and Proved Reserves, 1970 and 1978, by States

[Barrels of 42 gallons. See also *Historical Statistics, Colonial Times to 1970*, series M 138 and M 142]

State	Producing oil wells, Dec. 31 (1,000) 1970	1978	Production (million barrels) 1966-1970, avg.	1971-1975, avg.	1970	1973	1974	1975	1976	1977	1978, prel.	Proved reserves [1] (million bbls.) 1970	1978
Total	531.0	516.8	3,292	3,306	3,517	3,361	3,203	3,057	2,976	3,009	3,176	39,001	27,804
Ala	.6	.6	8	11	7	12	13	13	14	18	19	65	33
Alaska	.2	.3	53	73	84	72	71	70	63	169	448	10,149	9,247
Ark	7.1	7.9	21	17	18	18	17	16	18	20	20	130	94
Calif	40.4	43.4	365	337	372	336	323	322	326	350	347	3,984	3,471
Colo	1.8	3.3	30	34	25	36	37	38	39	39	37	389	198
Ill	26.1	23.9	54	32	44	31	27	26	26	26	24	229	138
Ind	4.0	5.3	9	6	7	5	5	5	5	5	5	37	27
Kans	43.5	42.9	94	68	85	66	62	59	59	57	57	539	350
Ky	11.7	14.1	14	9	12	9	8	8	7	7	6	61	32
La	27.9	24.5	804	809	907	832	737	651	607	563	535	5,710	2,893
Mich	4.3	3.9	13	16	12	15	18	24	30	33	35	46	190
Miss	3.1	3.0	60	56	65	56	51	47	46	43	39	355	188
Mont	3.2	3.4	40	34	38	35	35	33	33	33	30	242	140
Nebr	1.2	1.5	13	8	11	7	7	6	6	6	6	41	29
N. Mex	17.3	17.5	127	105	128	101	99	95	92	87	83	761	486
N. Dak	1.5	2.3	24	21	22	20	20	20	22	23	25	192	161
Ohio	15.9	18.3	11	9	10	9	9	10	10	10	13	128	131
Okla	78.0	75.3	225	190	224	191	178	163	161	156	150	1,351	1,073
Texas	177.2	166.4	1,142	1,261	1,250	1,295	1,262	1,222	1,190	1,138	1,074	13,195	7,690
Utah	.9	1.3	24	33	23	33	39	42	34	33	30	182	155
Wyo	9.3	10.2	146	141	160	142	140	136	134	136	137	1,017	805
Other	55.9	47.6	15	36	13	40	45	50	54	57	56	198	273

[1] December 31. From reports of Committee on Petroleum Reserves, American Petroleum Institute. Figures for California, Louisiana, and Texas include offshore reserves.

Source: Through 1976, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement*, annual.

No. 1332. Crude Petroleum and Natural Gas—Wells Drilled, Footage, and Drilling Cost, by Type of Well: 1960 to 1977

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

Item and year	Wells drilled		Footage drilled (mil. ft.)	Drilling cost (mil. dol.)		Average depth per well (ft.)	Average cost per well ($1,000)		Average cost per ft. (dol.)
	Total	Offshore		Total	Offshore		Total	Offshore	
All wells 1960	44,133	538	186.4	2,424	208	4,223	55	386	13.01
1965	39,596	1,037	178.7	2,401	428	4,513	61	413	13.44
1970	27,177	1,058	136.9	2,579	599	5,037	95	566	18.84
1973	26,244	888	136.7	3,075	578	5,207	117	651	22.50
1974	31,481	830	150.9	4,367	680	4,795	139	819	28.93
1975	36,960	1,028	177.6	6,571	1,174	4,806	178	1,142	36.99
1976	38,941	1,028	184.4	7,462	1,475	4,736	192	1,435	40.46
1977	43,826	1,217	212.7	9,956	2,056	4,853	227	1,689	46.81
Oil wells 1960	21,294	301	84.0	1,111	98	3,946	52	326	13.22
1965	18,857	487	76.5	1,067	193	4,059	57	396	13.94
1970	12,547	533	56.4	1,088	282	4,496	87	528	19.29
1973	9,705	296	44.7	1,007	182	4,602	104	615	22.54
1974	13,073	253	51.8	1,440	170	3,960	110	670	27.82
1975	16,276	283	66.1	2,257	253	4,059	139	892	34.15
1976	16,878	275	68.3	2,550	322	4,044	151	1,172	37.35
1977	18,077	288	74.7	3,073	419	4,130	170	1,454	41.16
Gas wells 1960	5,262	87	29.1	540	53	5,526	103	606	18.58
1965	4,772	118	26.5	486	67	5,552	102	571	18.35
1970	3,844	193	23.1	618	139	6,007	161	720	26.75
1973	6,427	193	36.3	998	154	5,654	155	798	27.46
1974	6,695	155	37.1	1,267	152	5,546	189	978	34.11
1975	7,654	271	43.4	2,005	338	5,667	262	1,247	46.23
1976	8,904	273	48.4	2,407	396	5,432	270	1,450	49.78
1977	11,479	393	62.5	3,599	675	5,446	314	1,716	57.57
Dry holes 1960	17,577	150	73.3	774	57	4,168	44	377	10.56
1965	15,967	432	75.7	849	167	4,739	53	387	11.21
1970	10,786	332	57.4	873	178	5,320	81	536	15.21
1973	10,112	399	55.7	1,070	242	5,504	106	608	19.22
1974	11,713	422	62.0	1,660	359	5,297	142	850	26.76
1975	13,030	474	68.2	2,309	584	5,234	177	1,232	33.86
1976	13,159	480	67.8	2,505	757	5,152	190	1,577	36.94
1977	14,270	536	75.5	3,285	963	5,292	230	1,796	43.49

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey of the U.S. Oil and Gas Producing Industry*, annual.

No. 1333. Oil and Gas Leases and Production on the Outer Continental Shelf, by States: 1975 and 1976

[Barrels of 42 gallons. Covers leases made in ocean waters belonging to the U.S. and subject to its jurisdiction and control under provisions of the Outer Continental Shelf Lands Act. See also table 394]

State	1975					1976				
	Number of leases	Acres (1,000)	Production			Number of leases	Acres (1,000)	Production		
			Oil (1,000 bbl.)	Gas (mil. cu. ft.)	LP gas[1] (mil. gal.)			Oil (1,000 bbl.)	Gas (mil. cu. ft.)	LP gas[1] (mil. gal.)
Total	**1,675**	**7,761**	**339,333**	**3,383**	**2,040**	**1,878**	**8,823**	**322,810**	**3,493**	**1,944**
Alabama	13	74	-	-	-	11	63	-	-	-
Alaska	-	-	-	-	-	76	409	-	-	-
California	68	347	16,129	5	-	124	657	14,705	4	-
Florida	62	357	-	-	-	50	288	-	-	-
Louisiana	1,171	5,047	322,023	3,246	1,982	1,217	5,254	306,896	3,386	1,921
Mississippi	6	35	-	-	-	6	35	-	-	-
Texas	355	1,901	1,181	132	58	394	2,117	1,209	103	23

- Represents zero. [1] Liquid petroleum gas. Includes gasoline production.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

No. 1334. Crude Petroleum and Natural Gas—Sales Volume and Lease Revenues, 1967 to 1977, and Drilling Expenditures and Employment, 1973 to 1977

[Figures on a gross operator basis, under which individual companies responsible for management and operation of oil and gas field leases reported on all properties operated for their own account and account of others. Lease revenues represent revenues generated from sales of either crude petroleum or natural gas, comparable to sales volume reported and including production payment, royalty, and nonoperating working interest shares]

Item and year	All companies, total	Companies ranked by lease revenues					Percent of total		
		Top 8	Next 8	Next 16	Top 50	Top 100	Top 8	Top 16	Top 32
Sales volume of—									
Crude petroleum (mil. bbl.): [1] 1967	3,044	1,647	517	263	2,552	2,659	54	71	80
1972	3,373	1,818	613	317	2,852	2,977	54	72	81
1973	3,348	1,802	619	299	2,840	2,964	54	72	81
1974	3,159	1,708	581	291	2,693	2,811	54	72	82
1975	3,086	1,654	553	282	2,626	2,753	54	72	81
1976	2,905	1,482	588	270	2,436	2,585	51	71	81
1977	2,980	1,498	617	299	2,840	2,964	50	71	81
Natural gas (bil. cu. ft.): 1967	17,126	7,904	3,105	2,551	14,377	15,560	46	64	79
1972	21,902	10,607	3,546	2,800	18,170	19,446	48	65	77
1973	22,315	11,322	3,578	2,703	18,505	19,851	51	67	79
1974	21,878	9,861	4,065	2,529	17,539	19,098	45	64	75
1975	20,455	8,898	3,864	2,391	16,207	17,661	44	62	74
1976	19,902	8,727	3,515	2,598	15,906	17,273	44	62	75
1977	19,462	8,377	2,753	2,982	15,387	16,688	43	57	73
Lease revenues for—									
Crude petroleum (mil. dol.): [1] 1967	8,800	4,899	1,475	730	7,456	7,763	56	72	81
1972	11,332	6,194	2,024	1,053	9,608	10,018	55	73	82
1973	13,040	7,036	2,448	1,136	11,103	11,601	54	73	81
1974	20,938	11,205	3,708	1,812	17,495	18,345	54	71	80
1975	22,852	11,961	3,948	1,915	18,900	19,978	52	70	78
1976	22,936	11,537	4,279	2,004	18,673	19,951	50	69	78
1977	24,548	11,911	4,626	2,020	19,765	21,047	49	67	76
Natural gas (mil. dol.): 1967	2,888	1,341	501	419	2,438	2,640	46	64	78
1972	4,317	2,062	687	591	3,596	3,843	48	64	77
1973	5,064	2,493	794	634	4,160	4,494	49	65	77
1974	6,726	3,036	1,238	777	5,400	5,894	45	64	75
1975	8,929	3,859	1,618	1,048	7,018	7,755	43	61	73
1976	12,099	4,813	1,939	1,558	9,251	10,168	40	56	69
1977	16,412	6,323	2,171	2,650	12,394	13,658	39	52	68
Drilling expenditures (mil. dol.): [2] 1973	3,194	1,095	367	344	2,202	2,529	36	48	58
1974	4,607	1,338	585	529	2,711	3,388	29	42	53
1975	6,507	1,866	815	838	3,932	4,719	29	41	54
1976	8,071	2,706	958	1,036	5,475	6,184	34	45	58
1977	10,124	3,081	1,208	1,232	6,353	7,344	30	42	55
Employment (1,000): 1973	124	38	18	13	74	81	31	45	55
1974	125	38	16	16	75	83	30	43	56
1975	137	40	18	15	79	88	29	42	53
1976	136	43	18	15	81	90	31	44	55
1977	134	42	16	17	81	91	31	43	56

[1] Includes condensate. [2] Represents expenditures incurred during the year for drilling and equipping wells.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA-13K-1, *Annual Survey of Oil and Gas*.

No. 1335. Natural Gas Liquids—Production and Value: 1960 to 1978

[**Barrels of 42 gallons.** 1960 excludes Alaska. See also *Historical Statistics, Colonial Times to 1970*, series M 143-146]

Item	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Total produced ..... mil. bbl.	340	442	606	638	634	616	596	587	590	572
Natural gasoline and mixtures ..... mil. bbl.	107	130	165	164	161	148	134	133	133	126
Liquefied petroleum gases ..... mil. bbl.	201	268	400	445	447	448	444	437	443	432
Cycle products ..... mil. bbl.	32	44	41	29	26	20	18	17	14	14
Value at plants:										
Natural gasoline ..... mil. dol.	313	361	469	500	568	975	778	882	(NA)	(NA)
Liquefied petroleum gases ..... mil. dol.	392	417	672	848	1,188	1,981	1,894	2,299	(NA)	(NA)
Cycle products ..... mil. dol.	104	134	134	104	101	132	101	103	(NA)	(NA)
Avg. value, all light products ..... dol. per bbl.	2.39	2.06	2.10	2.28	2.93	5.01	4.65	5.59	685	7.85
Natural gas processed ..... tril. cu ft.	10	14	19	20	20	19	18	18	18	(NA)
Average yield, all light products ..... gal. per 1,000 cu. ft.	1.46	1.35	1.37	1.34	1.35	1.38	1.42	1.39	1.42	(NA)

NA Not available.

Source: Through 1976, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement*, annual.

No. 1336. Natural Gas—Supply, Production, Consumption, Reserves, and Marketed Production, by States: 1960 to 1978

[Prior to 1960, excludes Alaska. See also *Historical Statistics, Colonial Times to 1970*, series M 147-161]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Producing wells 1,000	91	112	117	121	124	128	132	137	148	(NA)
Production value at wells [1] ..... mil. dol.	1,790	2,495	3,746	4,186	4,894	6,573	8,945	11,572	15,834	18,068
Avg. per 1,000 cu. ft. ..... cents	14.0	15.6	17.1	18.6	21.6	30.4	44.5	58.0	79.0	91.9
Proved reserves [2] ..... cu. ft.	264	286	291	266	250	237	228	216	209	200
SUPPLY (bil. cu. ft.)										
Total supply	13,640	17,456	24,200	25,308	25,213	24,260	22,821	22,837	22,786	(NA)
Marketed production [1]	12,771	16,040	21,921	22,532	22,647	21,601	20,109	19,952	20,025	19,661
Drawn from storage	713	960	1,459	1,757	1,533	1,701	1,760	1,921	1,750	(NA)
Imports [3]	156	456	821	1,019	1,033	959	953	964	1,011	965
Consumption, total [4]	12,509	16,033	22,046	23,009	22,966	22,111	20,409	20,801	19,521	19,410
Residential	3,103	3,903	4,837	5,126	4,879	4,786	4,924	5,051	4,821	4,970
Commercial	1,020	1,443	2,057	2,287	2,288	2,263	2,268	2,383	2,243	2,310
Industrial [5]	8,386	10,687	15,152	15,596	15,799	15,062	13,218	13,366	12,457	12,130
Electric utilities	1,725	2,318	3,894	3,979	3,605	3,429	3,147	3,078	3,189	3,220
Field [4]	1,780	1,910	2,305	2,364	2,412	2,365	2,269	2,488	1,659	1,620
Refineries	775	860	1,029	1,071	1,074	1,040	946	928	914	(NA)
Pipeline fuel	347	501	722	766	728	669	583	548	533	520
Exports	11	26	70	78	77	77	73	65	56	52
Stored	844	1,078	1,857	1,893	1,974	1,784	2,104	1,756	2,307	(NA)
Transmission loss	274	319	228	328	196	289	235	216	41	(NA)
PRODUCTION (bil. cu. ft.)										
Marketed production: [1]										
Alaska	(Z)	7	112	126	131	129	160	166	188	203
Ark	55	83	181	167	158	124	116	110	104	107
Calif	518	660	649	487	449	365	318	354	311	314
Colo	107	126	106	117	138	145	172	184	189	184
Kans	634	793	900	889	893	887	844	829	781	854
La	2,988	4,467	7,788	7,973	8,242	7,754	7,091	7,007	7,215	7,230
N. Mex	799	937	1,139	1,216	1,219	1,245	1,217	1,231	1,203	1,192
Okla	824	1,321	1,595	1,807	1,771	1,639	1,605	1,727	1,770	1,774
Tex	5,893	6,637	8,358	8,658	8,514	8,171	7,486	7,192	7,051	6,548
W. Va	209	207	242	215	209	202	155	153	153	149
Wyo	182	236	339	375	358	327	316	329	330	335
Other	562	566	512	502	566	613	629	670	730	771
World production	(NA)	(NA)	37,542	43,525	46,144	47,179	47,518	49,459	51,394	(NA)
Percent U.S. of world	(NA)	(NA)	58.4	51.8	49.1	45.8	42.3	40.4	39.0	(NA)

NA Not available. Z Less than 500 million cubic feet.

[1] Comprises gas sold or consumed by producers, including loss due to natural gas liquids recovery, losses in transmission, amounts added to storage, and increases in gas in pipelines. Beginning 1965, data on pressure base of 14.73 pounds per square inch absolute; prior years, 14.65. [2] Estimated, end of year. Source: American Gas Association, Arlington, Va. (Copyright.) [3] Beginning 1970, includes imports of liquefied natural gas.

[4] Beginning 1977, excludes extraction loss. [5] Includes other use, not shown separately.

Source: Except as noted, through 1975, U.S. Bureau of Mines, *Minerals Yearbook* (in some cases data have been revised by EIA); thereafter, U.S. Energy Information Administration, *Natural Gas Production and Consumption*, annual.

No. 1337. Sand and Gravel—Quantity Sold and Value: 1960 to 1977

[**Quantities in millions of short tons.** See also *Historical Statistics, Colonial Times to 1970*, series M 193]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977
Total sold or used by producers [1]	710	908	944	914	984	905	789	885	929
Processed sand	227	284	321	330	347	323	265	418	439
Processed gravel	415	481	517	462	510	404	354	437	458
Unprocessed sand and gravel	50	118	77	92	98	149	143	(2)	(2)
Total value ..... mil. dol.	720	957	1,116	1,201	1,359	1,417	1,340	1,774	2,028
Average per ton ..... dollars	1.01	1.05	1.18	1.31	1.38	1.57	1.79	2.00	2.18
Use:									
Construction	692	883	915	884	955	876	762	855	898
Industrial sand and gravel	18	25	29	30	29	29	27	30	31
Number of operations	(NA)	(NA)	5,918	5,384	5,681	6,967	7,014	7,599	6,179
Employment 1,000	52.0	53.0	45.5	43.0	49.0	39.0	[3] 40.0	[2] 40.0	38

NA Not available. [1] Includes industrial sand and gravel shown below.

[2] Processed and unprocessed no longer separated after 1975. [3] Estimate.

Source U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1338. Cement—Summary: 1960 to 1977

[**In thousands of short tons, except as indicated.** Includes Puerto Rico. Excludes Alaska except for imports and exports. See *Historical Statistics, Colonial Times to 1970*, series M 188-189, for related data]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977
Production of finished cement [1]	**62,816**	**73,103**	**76,116**	**84,556**	**87,573**	**82,888**	**69,721**	**74,495**	**80,060**
Portland	59,974	69,827	73,168	80,744	83,551	79,486	66,796	71,227	76,340
Prepared masonry	2,736	3,223	2,948	3,812	4,022	3,402	2,925	3,268	3,720
Active plants, number:									
Portland	176	181	181	174	172	176	174	169	163
Natural, slag, hydraulic lime	4	4	2	1	–	–	–	–	–
Shipments	**61,492**	**73,637**	**76,385**	**85,280**	**90,727**	**82,914**	**70,684**	**75,226**	**81,614**
Value ... mil. dol.	1,104	1,245	1,366	1,756	2,017	2,221	2,220	2,576	3,000
Average per ton ... dollars	17.95	16.91	17.88	21.56	22.23	26.79	31.41	34.24	36.76
Portland	58,711	70,328	73,406	81,432	86,597	79,482	67,776	71,922	77,850
Prepared masonry	2,678	3,256	2,978	3,848	4,130	3,432	2,908	3,304	3,764
Natural, slag, hydraulic lime	103	52	(D)	(D)	–	–	–	–	–
Stock at mills, Dec. 31 (Portland)	6,700	6,207	7,228	6,709	5,230	7,156	6,575	6,790	5,709
Imports	772	1,035	2,473	4,851	6,647	5,702	3,637	3,074	3,989
Exports	35	141	123	83	268	199	417	343	236
World prod., est ... mil. sh. tons	349	478	630	729	773	776	774	812	857

– Represents zero. D Withheld to avoid disclosing individual company data.
[1] Includes natural, slag, and hydraulic lime plants, not shown separately, except 1970 excludes slag cement.

No. 1339. Gypsum—Summary: 1960 to 1978

[**Quantities in thousands of short tons; values in millions of dollars.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See *Historical Statistics, Colonial Times to 1970*, series M 190, gypsum mined]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978, prel.
Active establishments [1] ... number	96	113	108	108	112	116	110	117	115	114
Crude gypsum: [2]										
Mined	9,825	10,033	9,436	12,328	13,558	11,999	9,751	11,980	13,390	14,402
Imports for consumption	5,301	5,911	6,128	7,718	7,661	7,424	5,448	6,231	7,074	8,198
Exports	17	28	41	51	63	132	75	284	143	138
Apparent supply [3]	15,109	15,916	15,523	19,995	21,156	19,291	15,124	17,927	20,618	23,088
Calcined gypsum produced	**8,591**	**9,320**	**8,449**	**12,005**	**12,592**	**10,993**	**9,181**	**11,036**	**12,590**	**13,380**
Value	121	133	132	196	205	206	186	237	278	310
Gypsum products sold, value [4]	**361**	**420**	**353**	**561**	**633**	**623**	**514**	**655**	**911**	**1,150**
Uncalcined uses, quantity	3,716	4,577	4,258	5,195	5,719	5,852	4,904	5,375	5,802	5,600
Value	15	20	21	27	31	39	33	41	47	51
Industrial uses, quantity	284	319	284	299	353	326	294	306	358	396
Value	6	8	9	11	14	15	15	17	21	26
Building uses, value	339	391	323	523	588	570	466	598	843	1,073

[1] Each mine, plant, or combination mine and plant is counted as 1 establishment.
[2] Excludes byproduct gypsum. [3] Amount mined, plus imports minus exports.
[4] Made from domestic, imported, and byproduct gypsum.

No. 1340. Stone—Quantity Sold or Used by Producers, and Value: 1965 to 1977

[See *Historical Statistics, Colonial Times to 1970*, series M 194, for total quantity]

KIND OF STONE	QUANTITY SOLD OR USED [1] (mil. short tons)							VALUE (mil. dol.)						
	1965	1970	1973	1974	1975	1976	1977	1965	1970	1973	1974	1975	1976	1977
Total [2]	**780**	**869**	**1,060**	**1,044**	**901**	**902**	**955**	**1,204**	**1,470**	**1,990**	**2,186**	**2,120**	**2,221**	**2,457**
Granite	60	87	121	119	95	99	109	121	183	263	290	271	296	331
Basalt [3]	76	77	84	97	78	75	77	121	147	178	218	193	193	208
Sandstone	29	24	31	31	27	27	30	62	59	78	87	85	89	100
Marble	2	2	2	2	2	2	2	39	34	34	42	32	31	36
Limestone	555	626	775	752	665	663	707	766	961	1,334	1,446	1,437	1,516	1,698
Other stone	34	29	26	23	18	18	13	46	40	51	43	37	42	31
Shell	22	22	20	18	15	14	13	34	31	38	44	53	37	33
Slate	1	1	2	1	1	1	1	14	13	16	17	12	13	16

[1] Quantities of stone not sold by short tons are expressed in approximate short ton equivalents.
[2] Includes calcareous marl, not shown separately. [3] Includes related rocks.

Source of tables 1338-1340: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1341. Lime—Quantity Sold or Used by Producers: 1960 to 1978

[**In thousands of short tons, except as noted.** Excludes Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series M 191–192]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978, prel.
Active plants ..... number	157	212	194	175	172	171	163	161	161
Quantity sold [1]	**12,935**	**16,794**	**19,747**	**21,090**	**21,606**	**19,133**	**20,229**	**19,947**	**20,451**
Value ..... mil. dol.	173	233	286	366	474	524	609	666	752
Per ton ..... dollars	13.35	13.87	14.49	17.35	21.92	27.38	30.11	33.42	36.76
Open-market lime	8,189	10,449	12,718	14,394	14,640	12,840	14,024	14,202	14,959
Captive tonnage lime	[2] 4,746	6,345	7,029	6,696	6,966	6,292	6,205	5,745	5,492
Quicklime	8,271	12,009	15,248	17,230	17,795	15,875	16,924	16,281	16,863
Hydrated	2,715	2,609	3,126	2,610	2,533	2,344	2,298	2,698	2,526
Dead-burned dolomite	1,949	2,176	1,373	1,250	1,278	914	1,007	968	1,062
By use:									
Agricultural	187	217	142	140	109	97	136	91	72
Building	1,209	1,477	(D)	1,611	1,463	1,276	1,280	1,319	1,215
Chemical and industrial	9,591	12,924	(D)	18,131	18,089	16,846	17,806	17,569	18,062
Refractory [3]	1,949	2,176	1,373	1,250	1,278	914	1,007	968	1,062

D Withheld to avoid disclosing individual company data. [1] Includes quantity used by producers. [2] Incomplete; only partial coverage of captive plants. [3] Dead-burned dolomite.

No. 1342. Phosphate Rock—Summary: 1960 to 1978

[See also *Historical Statistics, Colonial Times to 1970*, series M 203–204]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978
Mine production ..... mil. ton	60.9	84.3	125.5	139.7	155.8	187.5	170.1	184.0	191.2
P_2O_5 content ..... mil. ton	9.3	14.3	18.6	19.0	20.8	23.5	20.1	22.4	23.5
Marketable production ..... mil. ton	19.6	29.5	38.7	42.1	45.7	48.8	49.2	52.1	55.2
P_2O_5 content ..... mil. ton	6.1	9.1	12.0	13.1	14.1	15.0	15.1	16.1	16.9
Value ..... mil. dol.	117.0	193.3	203.2	238.7	501.4	1,122.2	949.4	821.7	928.8
Per ton ..... dollars	5.97	6.55	5.25	5.66	10.98	22.99	19.28	15.77	16.84
Sold or used by producers ..... mil. ton	19.3	29.0	38.8	45.0	48.4	46.4	44.7	52.3	53.8
P_2O_5 content ..... mil. ton	6.0	9.0	12.1	14.0	14.9	14.3	13.7	16.2	16.5
Value ..... mil. dol.	115.4	188.6	203.8	254.8	529.1	1,053.0	857.2	829.1	901.4
Per ton ..... dollars	5.99	6.49	5.26	5.66	10.92	22.67	19.19	15.86	16.77
Imports for consumption [1] ..... mil. ton	.14	.15	.14	.07	.18	.04	.05	.17	1.00
Value ..... mil. dol.	3.8	3.0	3.8	1.3	9.0	1.6	2.2	6.1	24.4
Per ton ..... dollars	26.07	20.14	27.87	19.82	49.45	43.83	43.59	35.02	24.38
Exports ..... mil. ton	4.5	7.3	11.7	13.9	13.9	12.3	10.4	14.6	13.9
P_2O_5 content ..... mil. ton	1.4	2.3	3.8	4.5	4.5	4.0	3.3	4.7	4.4
Value ..... mil. dol.	26.6	51.1	60.0	83.0	194.0	429.2	272.8	288.6	290.2
Per ton ..... dollars	5.95	6.98	5.11	5.98	13.96	34.98	26.23	19.79	20.94
Consumption, apparent [2] ..... mil. ton	14.9	21.9	27.2	31.2	34.7	34.2	34.3	37.9	40.9
World production ..... mil. ton	46.1	70.3	93.6	108.9	120.0	118.6	118.3	127.9	132.3

[1] For consumption, P_2O_5 content not available. [2] Amount sold or used plus imports minus exports.

No. 1343. Potash—Summary: 1960 to 1978

[**In thousands of short tons, except value** See also *Historical Statistics, Colonial Times to 1970*, series M 201–202]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978
Production of potassium salts (marketable)	4,472	5,401	4,853	4,684	4,716	4,576	4,427	4,675	4,769
Approximate equivalent K_2O	2,638	3,140	2,729	2,603	2,552	2,501	2,400	2,457	2,483
Value [1] ..... mil. dol.	89.7	129.8	98.1	112.6	159.1	223.1	202.4	206.9	226.5
Sales of potassium salts by producers	4,412	5,027	4,703	5,174	4,708	3,819	4,612	4,679	4,804
Approximate equivalent K_2O	2,602	2,931	2,669	2,865	2,545	2,094	2,500	2,460	2,543
Value at plant ..... mil. dol.	88.4	121.2	92.4	123.7	158.6	187.9	210.8	206.9	226.5
Per ton ..... dollars	20.04	24.10	19.64	23.92	33.69	49.19	45.70	44.22	47.15
Imports for consumption of potash materials	415	1,867	4,403	6,046	7,245	6,271	7,575	8,381	8,556
Approximate equivalent K_2O	226	1,108	2,605	3,587	4,326	3,797	4,594	5,076	5,186
Value ..... mil. dol.	15.4	52.7	94.7	145.7	236.7	267.2	344.0	373.8	399.2
Exports of potash materials	833	1,099	966	1,579	1,415	1,419	1,670	1,650	1,577
Approximate equivalent K_2O	491	648	544	889	787	779	945	932	892
Value ..... mil. dol.	25.9	42.5	28.5	58.0	66.2	92.7	91.9	90.2	88.6
Apparent consumption of potassium salts [2]	3,994	5,795	8,140	9,641	10,538	8,671	10,517	11,405	11,782
Approximate equivalent K_2O	2,337	3,391	4,730	5,563	6,084	5,112	6,149	6,604	6,838
World production (marketable), approximate equivalent K_2O	10,000	15,100	20,553	23,585	26,228	27,352	26,876	28,540	28,900

[1] Derived from reported value of amount sold or used. [2] Amount sold or used plus imports minus exports.

Source of tables 1341–1343: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1344. Sulfur—Summary: 1960 to 1978

[**In thousands of long tons, except value.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 195–199]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Production, sulfur, all forms [1]	6,661	8,212	9,557	10,218	10,921	11,419	11,259	10,707	10,558	10,999
Sulfur from Frasch mines	5,037	6,116	7,082	7,290	7,605	7,901	7,211	6,264	5,822	5,559
Recovered elemental sulfur	767	1,215	1,457	1,950	2,416	2,632	2,969	3,138	3,567	3,998
Pyrites, sulfur content only	416	354	339	283	212	162	237	286	166	296
Gross weight of total pyrites	1,016	875	845	741	559	424	625	750	435	766
Byproduct sulfuric acid [2]	345	388	537	546	600	654	767	942	945	1,086
Shipments, Frasch mines	5,130	7,251	6,504	7,613	7,438	7,898	6,077	5,860	5,935	5,645
Approximate value ... mil. dol.	118	165	154	132	139	241	305	300	295	280
Avg. value per long ton ... dol.	23.08	22.71	23.65	17.39	18.63	30.52	50.16	51.19	49.66	49.60
Imports for consumption:										
Crude sulfur	741	1,486	1,537	1,138	1,222	2,150	1,897	1,727	1,977	2,143
Pyrites, sulfur content [3]	146	160	130	50	–	–	–	–	–	–
Exports, sulfur	1,787	2,635	1,433	1,852	1,776	2,663	1,352	1,270	1,178	852

– Represents zero. [1] Includes other byproduct sulfur compounds, not shown separately.
[2] Represents sulfur content. Produced at copper, lead, and zinc plants. [3] Estimate.

No. 1345. Salt—Summary: 1960 to 1977

[**In thousands of short tons, except value.** Prior to 1970, production includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series M 28 and M 200, for value and production]

ITEM AND STATE	1960	1965	1970	1972	1973	1974	1975	1976	1977
Production [1]	25,479	34,687	45,896	45,022	43,910	46,536	41,030	44,191	43,412
Louisiana	4,792	8,126	13,584	13,514	13,152	13,543	12,166	13,491	13,201
Michigan	4,088	4,171	4,899	4,358	4,818	4,445	4,020	4,219	3,939
New York	4,008	5,002	5,990	5,604	5,202	6,464	5,978	6,495	6,452
Ohio	3,108	5,026	5,329	6,147	4,657	5,029	5,083	5,052	3,701
Texas	4,756	6,964	10,184	9,744	10,354	11,379	8,560	9,718	10,941
Other States	4,727	5,398	5,910	5,655	5,727	5,676	5,223	5,216	5,178
Evaporated (manufactured)	4,104	4,925	5,498	5,850	5,884	5,922	5,345	5,607	5,677
In brine	14,911	19,952	26,228	24,737	25,680	25,779	21,401	22,917	22,777
Rock salt	6,466	9,810	14,170	14,434	12,347	14,835	14,283	15,668	14,958
Total value [2] ... mil. dol.	161	216	305	297	306	361	368	431	452
Exports	420	688	423	869	609	521	1,332	1,007	1,008
Imports for consumption	1,057	2,410	3,536	3,463	3,207	3,358	3,215	4,352	4,529

[1] Represents sales plus quantities used by producers.
[2] F.o.b. mine or refinery; excludes cost of cooperage or containers.

No. 1346. Lead—Summary: 1960 to 1978

[**In thousands of short tons, except as indicated.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242–248]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978, prel.
Smelter production of refined primary lead	382	418	667	674	673	636	653	605	629
Domestic ores and base bullion [1]	229	305	528	567	580	530	569	537	550
Foreign ores and base bullion	154	113	139	107	93	106	84	68	79
Recovery of secondary lead	470	576	597	654	699	658	727	835	734
Imports, general:									
Lead in pigs, bars, and anodes	214	227	251	181	120	106	150	268	249
Lead in ores and matte	146	123	112	110	94	88	76	73	58
Exports of refined pig lead [2]	2	8	8	67	62	21	6	10	9
Consumption of metal, primary and secondary	1,021	1,241	1,361	1,541	1,599	1,297	1,490	1,582	1,469
Average price, common lead:									
New York ... cents per lb.	11.95	16.00	15.69	16.29	22.53	21.53	23.10	30.70	33.65
London ... cents per lb.	9.04	14.37	13.76	19.47	26.83	18.73	20.46	28.00	29.86
Mine production of recoverable lead [3]	247	301	572	603	664	621	610	592	583
Value [3] ... mil. dol.	58	94	179	196	299	267	282	364	370
World smelter production, est.	2,550	2,911	3,628	3,838	3,829	3,633	3,811	3,847	3,770

[1] Excludes lead content of antimonial lead. [2] Pigs, bars, and anodes. [3] Includes Alaska.
Source of tables 1344–1346: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1347. Iron Ore—Summary: 1960 to 1978

[**In thousands of long tons, except as indicated.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205-211]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978
Production [1]	88,784	87,439	89,760	87,669	84,355	78,866	79,993	55,750	80,718
Lake Superior	71,792	66,432	69,636	72,416	70,723	66,735	67,413	43,952	72,578
Northeastern	4,125	5,173	3,491	2,608	2,358	1,860	2,438	2,020	368
Western	4,583	[2] 13,065	14,314	12,035	10,496	9,643	10,142	9,779	7,773
Hematite [3]	[2,4] 68,147	47,043	33,584	28,224	24,052	19,244	19,348	11,479	(NA)
Magnetite [3]	18,205	36,927	53,792	58,089	58,813	58,395	59,295	43,134	(NA)
Other	2,432	3,469	2,381	1,356	1,490	1,226	1,350	1,137	(NA)
Number of mines	247	183	74	58	66	67	65	54	[6] 54
Shipments [5]	82,963	84,073	87,176	90,863	85,112	75,695	77,076	54,053	82,539
Value [5] ... mil. dol.	724	801	942	1,166	1,391	1,621	1,871	1,423	[6] 2,333
Avg. per ton at mine ... dol.	8.73	9.53	10.80	12.84	16.34	21.41	24.28	26.32	[6] 28.26
Stocks, Dec. 31 [7]	12,337	12,667	15,316	10,876	9,405	12,299	13,993	14,811	12,469
Imports [8]	34,578	45,103	44,891	43,296	48,029	46,743	44,390	37,905	33,616
Value ... mil. dol.	322	444	480	533	696	860	980	957	845
Exports	5,273	7,085	5,492	2,747	2,323	2,537	2,913	2,143	4,213
Value ... mil. dol.	58	80	68	38	35	60	82	63	137
World prod. [6] ... mil. lg. tons	514	611	754	851	879	888	886	844	[9] 818

NA Not available.

[1] Includes Southeastern district and byproduct ore, not shown separately. Beginning 1976, Western includes byproduct ore and Northeastern includes Southeastern. [2] Includes undistributed. [3] Predominant mineral. [4] Includes brown ore from Tenn., Mo., and Tex.; also magnetite from Calif., Utah, and Wyo. [5] Beginning 1976, includes byproduct ore. [6] Estimated. [7] At mines. [8] For consumption. [9] Preliminary.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1348. Pig Iron and Ferroalloys—Summary: 1960 to 1978

[**In thousands of short tons, except furnaces**]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978
Blast furnaces, number, Jan. 1	263	239	228	216	206	199	196	193	179
Number in blast, Jan. 1	229	191	169	141	163	136	119	107	(NA)
Blast furnace production	67,320	88,859	91,816	101,208	95,909	79,923	86,870	81,328	87,679
Total production [1]	68,566	90,918	93,470	103,089	95,909	79,923	86,870	81,328	87,679
Basic	58,261	80,431	86,438	96,202	91,193	75,911	82,894	78,198	84,497
Bessemer and low-phosphorus	3,791	2,936	1,593	1,343	1,206	1,227	1,262	376	405
Foundry (incl. ferrosilicon)	2,152	2,303	2,257	1,581	1,528	1,321	1,489	1,610	1,856
All other	4,362	5,248	3,182	3,963	1,982	1,464	1,225	1,144	921
By States:									
Alabama	3,541	4,290	4,654	3,817	3,872	3,638	3,297	3,005	3,417
Illinois	5,307	6,294	7,401	7,902	7,170	5,228	6,432	6,203	6,927
Indiana	8,404	11,020	13,348	17,128	16,998	15,656	17,439	16,492	18,806
New York	4,205	6,100	5,569	5,397	4,671	3,299	4,362	3,541	3,459
Ohio	11,788	15,407	15,554	18,391	17,439	14,115	15,754	14,677	14,302
Pennsylvania	16,533	21,789	20,768	22,646	22,168	17,593	18,025	16,636	18,152
Other	16,703	23,285	24,141	25,556	23,591	20,394	21,561	20,774	22,616

NA Not available. [1] Beginning 1974, includes blast furnace ferroalloys.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

No. 1349. Molybdenum Concentrates—Summary: 1960 to 1978

[**In millions of pounds of contained molybdenum, except as indicated.** See *Historical Statistics, Colonial Times to 1970*, series M 227-228, for production and exports of ores and concentrates]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978 [1]
Production	68.2	77.4	111.4	115.9	112.0	106.0	113.2	122.4	131.8
Shipments from mines	69.9	77.3	110.4	135.1	118.2	105.2	114.5	125.0	131.7
Average price per pound [2] ... dol.	1.25	1.55	1.72	1.72	2.02	2.48	2.94	3.68	4.52
Exports [3,4]	30.2	24.1	55.7	74.0	78.7	62.6	62.5	65.7	69.2
Imports for consumption [4]	–	.1	(Z)	.5	.2	2.6	2.1	2.0	2.7
Consumption	44.8	68.1	76.1	82.5	91.7	90.0	85.0	91.0	96.4
Stocks (industry), Dec. 31 [5]	3.5	4.2	9.7	22.0	18.7	10.7	9.4	9.2	8.6
World production, estimate [6]	89.1	98.5	161.1	161.4	166.2	156.7	170.7	184.5	193.7

– Represents zero. Z Less than 50,000 pounds. [1] Preliminary. [2] Molybdenum in concentrate, f.o.b., Climax, Colorado. [3] Includes roasted concentrates. [4] Includes Alaska, Hawaii, and Puerto Rico. [5] At mines and at plants making molybdenum products. [6] Beginning 1965, free world.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1350. Copper—Summary: 1960 to 1978

[**In thousands of short tons, except as indicated.** Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 235–241]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978, prel.
New (primary) copper produced—									
Mines (from domestic ores)	1,080	1,352	1,720	1,718	1,597	1,413	1,606	1,504	1,490
Copper ore produced [1] mil. sh. tons	135	173	258	290	293	263	284	260	(NA)
Average yield of copper percent	.73	.70	.59	.53	.49	.47	.51	.52	(NA)
Smelters (from domestic ores)	1,143	1,403	1,605	1,705	1,532	1,374	1,461	1,394	1,400
Percent of world total	23	23	24	22	19	18	18	(NA)	(NA)
Refineries (from domestic ores)	1,121	1,336	1,521	1,698	1,421	1,286	1,423	1,411	1,409
From foreign ores, matte, etc., refinery	398	376	244	170	234	157	117	85	124
Total new refined, domestic and foreign	1,519	1,712	1,765	1,868	1,655	1,443	1,539	1,496	1,533
Secondary copper produced	871	1,253	1,248	1,377	1,344	972	1,145	1,196	1,320
Recovered from old scrap only	429	513	504	486	483	369	419	452	516
Imports (unmanufactured) [2] [3]	524	523	392	421	609	324	535	517	602
Refined	143	137	132	203	314	147	382	391	457
Exports (unmanufactured) [3]	506	372	307	278	191	234	172	125	196
Refined exports of metallic copper	434	325	221	189	127	172	112	52	101
Stocks (producers), Dec. 31	359	281	470	302	425	519	511	580	459
Mine production of primary copper	1,080	1,352	1,720	1,718	1,597	1,413	1,606	1,504	1,490
Arizona	539	703	918	927	859	813	1,024	924	980
Montana	92	115	120	132	131	88	91	86	75
New Mexico	67	99	166	205	197	146	172	165	141
Utah	218	259	296	257	231	177	185	194	205
Other States	163	175	220	197	180	189	134	135	89
Avg. price, domestic prod cents per lb	32.1	35.4	58.2	59.5	77.3	64.2	69.6	66.8	66.5
World smelter production, new copper	5,040	6,105	6,752	7,878	8,068	7,793	8,164	(NA)	(NA)

NA Not available. [1] Includes old tailings, smelted or retreated. Not comparable with mine production figures which include recoverable copper content of ores not classified as "copper."
[2] Includes copper imported for immediate consumption plus material entering country under bond.
[3] Comprises copper in ores and concentrates, matte, refined, blister, and scrap.

No. 1351. Gold and Silver—Summary: 1950 to 1978

[See *Historical Statistics, Colonial Times to 1970*, series M 268–269, for mine production]

ITEM	1950	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978, prel.
GOLD											
Ore produced [1] 1,000 sh. tons	3,584	2,267	3,113	3,687	3,316	4,715	4,598	5,722	3,063	5,806	(NA)
Production, U.S. mil. fine oz	2.4	1.7	1.7	1.7	1.4	1.2	1.1	1.1	1.0	1.1	1.0
Value mil. dol	84	58	60	63	85	115	180	170	131	163	187
Production, world mil. fine oz	28.3	37.8	46.2	47.4	44.8	43.3	40.1	38.5	39.1	39.0	39.6
Industrial consumption, U.S., net mil. troy oz	2.8	3.0	5.3	6.0	7.3	6.7	4.7	4.0	4.6	4.9	4.8
Imports [2] mil. dol	163	335	102	237	358	356	397	457	331	674	903
Exports mil. dol	514	2	1,285	38	63	146	228	493	375	1,113	1,114
Price per fine oz. [3] dol	35.0	35.0	35.0	36.4	58.6	97.8	159.7	161.5	125.3	148.3	193.6
Production: [4]											
Nevada 1,000 fine oz	170	66	[5] 205	480	420	260	299	333	288	324	238
South Dakota 1,000 fine oz	572	551	[5] 656	579	407	358	344	305	319	305	286
Utah 1,000 fine oz	392	314	[5] 389	408	362	307	255	190	187	211	235
SILVER											
Ore produced [1] [6] 1,000 sh. tons	1,060	988	958	934	737	717	758	919	1,821	1,457	(NA)
Production, U.S. mil. fine oz	42	31	40	45	37	37	34	35	34	38	39
Value mil. dol	38	28	51	80	63	96	159	154	149	176	208
Production, world mil. fine oz	203	241	257	301	302	308	292	303	312	325	334
Industrial consumption, U.S., net [7] mil. fine oz	110	102	137	128	152	196	176	158	171	154	159
Imports [8] mil. dol	79	54	63	104	102	269	502	331	329	356	389
Exports mil. dol	4	27	51	49	49	28	82	148	61	85	119
Price per fine oz. [3] dol	.91	.91	1.29	1.77	1.69	2.56	4.71	4.42	4.35	4.62	5.40
Production: [4]											
Idaho mil. fine oz	16.0	17.8	[5] 18.1	19.1	14.3	13.6	12.4	13.9	11.6	15.3	18.4
Arizona mil. fine oz	5.1	5.3	[5] 6.1	7.3	6.7	7.2	6.4	6.3	7.6	6.8	6.5
Utah mil. fine oz	6.8	5.1	[5] 5.2	6.0	4.3	3.6	3.2	2.8	3.1	3.3	2.8
Colorado mil. fine oz	3.3	2.1	[5] 2.0	2.9	3.7	3.6	2.8	3.4	4.1	4.7	4.0

NA Not available. [1] Gold and silver are also produced from base-metal ores and placers. In 1975, those sources accounted for 38 percent of gold produced and 65 percent of silver. [2] General imports, 1950–1977; imports for consumption, 1978. [3] Selling price, except New York price for silver, beginning 1965. [4] Source: 1950–1965, U.S. Bureau of the Mint, *Annual Report of the Director*. [5] Refinery production. [6] Includes gold-silver ore.
[7] Excludes coinage. [8] General imports, 1950–1972; thereafter, imports for consumption.

Source of tables 1350 and 1351: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1352. Nickel—Summary: 1960 to 1978

[**Quantities in thousands of short tons.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231–234]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978, prel.
Mine production	14	16	16	18	17	17	16	14	14
Plant production: Primary	14	14	16	14	14	14	14	14	14
Secondary [1]	27	51	49	66	65	42	47	45	40
Imports (est. nickel content)	103	163	156	190	221	161	188	185	231
Exports (gross weight)	54	21	31	22	30	30	48	17	28
Consumption	108	172	156	198	208	146	163	155	184
Stocks (consumer), Dec. 31	11	14	25	29	45	35	32	15	16
Price per pound [2] dollars	.74	.79	1.33	1.53	2.01	2.20	2.41	2.20	2.08
World production, est.	353	468	693	757	849	868	886	851	649

[1] Includes nickel recovered from iron and steel scrap. [2] Peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario.

No. 1353. Tin—Summary: 1960 to 1978

[**In thousands of metric tons, except price.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978 [1]
Production:									
Domestic smelters	(D)	3.1	(D)	4.9	6.1	6.5	5.7	6.7	4.0
Secondary sources	22.4	25.5	20.3	20.8	19.2	15.9	16.4	18.5	17.9
Imports for consumption:									
Metal	40.2	41.5	51.4	46.6	40.2	44.4	45.1	47.8	46.8
Ore (tin content)	14.3	4.3	4.7	4.9	6.0	6.4	5.7	6.7	3.9
Exports	.9	2.9	4.5	3.5	8.6	3.6	2.3	5.5	4.7
Monthly price of Straits tin at New York, avg. cents per lb.	101	178	174	228	396	340	349	499	587
Consumption	82	85	75	76	66	56	63	61	63
World mine production, est.	183	204	232	238	233	222	228	230	235

D Withheld to avoid disclosure of individual company data. [1] Preliminary.

Source of tables 1352 and 1353: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1354. Uranium—Summary: 1960 to 1978

[See table 1044. See also *Historical Statistics, Colonial Times to 1970*, series M 266–267]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978 [1]
Mine ore shipments [2] 1,000 sh. tons	7,970	4,386	6,324	6,537	7,116	7,400	9,198	10,400	13,800
Value mil. dol.	152	84	94	[3] 106	[3] 113	[3] 123	(NA)	(NA)	(NA)
Recoverable content [4] mil. lb.	34.5	19.7	24.4	25.8	23.2	22.9	25.1	31.8	36.8
Value [5] mil. dol.	297	158	148	[2] 168	193	241	405	628	725
Production, concentrate [4] 1,000 sh. tons	17.8	10.3	12.9	13.2	11.5	11.6	12.7	14.9	18.5
Imports, concentrate [4 6] 1,000 sh. tons	15.8	3.0	.7	5.6	1.8	1.2	5.5	2.8	1.6
Value mil. dol.	(NA)	58	8	61	30	24	204	110	59
World production [4 7] 1,000 sh. tons	41.1	20.6	24.2	25.5	23.8	25.0	30.1	37.0	43.0

NA Not available. [1] Preliminary. [2] Receipts at mills. [3] Estimated. [4] U_3O_8.
[5] Based on estimated average market price for delivery during the year. [6] Mainly for enrichment and export of enriched uranium product, 1965–76; thereafter, for domestic consumption only.
[7] Excludes Communist countries.

Source: Through 1976, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports*.

No. 1355. Tungsten Concentrate—Summary: 1960 to 1978

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225–226, for related data]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978 [1]
Production:									
Concentrates [2] 1,000 sh. tons	7.0	7.9	10.1	8.0	7.8	5.9	6.1	6.3	7.6
Tungsten content mil. lb.	6.7	7.6	9.6	7.6	7.4	5.6	5.8	6.0	7.2
Shipments from mines:									
Reported value f.o.b. mines mil. dol.	9.8	13.0	23.8	19.2	37.4	29.1	37.3	55.1	56.0
Average value per lb. of tungsten dollars	1.40	1.72	2.55	2.71	4.77	5.30	6.35	9.15	8.20
Imports, general (tungsten content) mil. lb.	5.2	3.5	1.3	11.0	11.8	6.9	5.8	6.8	9.1
Consumption (tungsten content) mil. lb.	11.6	13.9	16.7	15.4	16.3	14.0	16.1	17.1	18.8
Stocks [2] (tungsten content), end of year mil. lb.	5.5	1.8	2.2	1.7	2.1	2.5	1.2	1.0	1.5
World production (tungsten content) mil. lb.	68.7	59.6	71.4	83.6	82.8	84.5	91.8	93.6	95.0

[1] Preliminary. [2] 60% WO_3 basis. A short ton of 60% tungsten trioxide (WO_3) contains 951.72 pounds of tungsten.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1356. Zinc—Production and Prices: 1960 to 1978

[**Quantities in thousands of short tons.** Excludes Alaska and Hawaii. 1978 are preliminary. See *Historical Statistics, Colonial Times to 1970*, series M 249–250, for production]

ITEM AND STATE	1960	1965	1970	1973	1974	1975	1976	1977	1978
Smelter production of primary slab zinc	800	994	878	583	555	438	499	450	448
From domestic ores	334	551	404	399	347	308	382	355	295
From foreign ores	465	443	474	184	208	130	117	95	154
Value ... mil. dol.	205	291	236	241	399	341	369	310	278
Production, redistilled secondary slab zinc	69	84	77	83	79	58	69	51	40
Avg. price of common zinc ... cents per lb.	13.0	14.5	15.3	20.7	36.0	39.0	37.0	34.4	31.0
Mine production, recoverable zinc	435	611	534	479	500	469	485	450	338
Colorado	31	54	57	58	49	48	51	40	26
Idaho	37	58	41	46	39	41	47	31	35
Missouri	3	4	51	82	92	75	84	82	65
New York	66	70	59	81	93	77	74	71	(D)
Tennessee	91	122	118	64	86	83	83	90	98
Other States	207	303	208	148	141	145	146	136	114
World smelter production, est.	3,335	4,353	5,321	5,877	6,183	5,526	5,907	6,041	6,000

D Withheld to avoid disclosing individual company confidential data; included in "Other States."

No. 1357. Bauxite—Summary: 1960 to 1978

[**In thousands of long tons, except as indicated.** See also *Historical Statistics, Colonial Times to 1970*, series M 256–257]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978 [1]
Production: Crude ore	2,409	1,990	2,522	2,287	2,370	2,164	2,382	2,397	2,193
Dried-bauxite equivalent	1,998	1,654	2,082	1,879	1,949	1,772	1,958	1,981	1,761
Value ... mil. dol.	21.1	18.6	30.1	26.6	25.7	25.1	26.6	28.0	24.5
Shipments: [2]									
Gross weight (as shipped)	1,925	2,065	2,343	2,246	2,284	2,058	2,170	2,036	1,960
Dried-bauxite equivalent	1,654	1,785	2,078	2,005	2,021	1,836	1,941	1,843	1,760
Value [3] ... mil. dol.	19.6	21.1	32.3	32.4	32.9	31.5	36.5	34.5	33.0
Imports for consumption [3]	8,739	11,418	13,574	13,403	14,976	11,529	12,548	12,784	13,706
Value [4] ... mil. dol.	78.0	143.0	159.8	161.1	180.2	245.1	315.1	349.6	397.5
Exports (as shipped)	29	147	3	12	16	19	15	25	23
Value ... mil. dol.	2.6	10.7	.2	.3	1.2	1.7	1.3	2.3	2.8
World production, est.	27,205	36,849	56,873	69,244	78,362	73,610	76,602	81,102	83,000

[1] Preliminary. [2] Shipments from mines and processing plants to consumers. [3] As reported by U.S. Bureau of the Census (port of shipment). [4] Crude and dried. Includes Virgin Islands.

No. 1358. Aluminum—Summary: 1960 to 1978

[**In thousands of short tons, except as indicated.** 1978 are preliminary. Imports and exports include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series M 258–262]

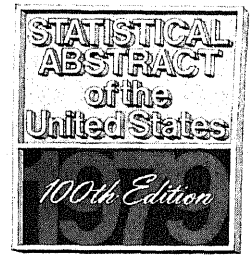
ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978
Total production	2,344	3,395	4,757	5,567	5,896	4,859	5,406	5,810	6,113
Primary aluminum	2,014	2,754	3,976	4,529	4,903	3,879	4,251	4,539	4,804
Secondary aluminum [1]	329	641	781	1,040	993	980	1,155	1,271	1,309
From old scrap	63	160	146	197	212	283	341	413	441
From new scrap	267	481	635	843	780	697	814	858	868
Value [2] ... **mil. dol.**	1,201	1,651	2,644	2,731	3,683	3,728	4,815	5,996	6,582
Primary aluminum	1,030	1,338	2,191	2,206	3,006	2,976	3,785	4,684	5,231
Price ... cents per lb. [3]	26.0	24.5	28.7	25.3	34.1	39.8	44.6	51.6	54.6
Secondary aluminum	171	313	453	525	677	752	1,030	1,312	1,351
Imports for consumption [4]	196	620	468	614	629	550	749	836	1,080
Value ... mil. dol.	103	266	231	285	403	410	582	799	1,145
Exports [4]	384	315	612	561	524	440	484	411	518
Value ... mil. dol.	174	170	360	370	482	436	496	504	625
Net domestic shipments [5]	2,366	3,788	4,476	6,873	6,394	4,555	5,956	6,315	7,200
World production, est.	4,950	6,951	10,641	13,364	14,516	13,387	13,771	15,049	15,300

[1] Recoverable aluminum content. [2] Based on published producers' prices for primary metal.
[3] Average of prices for 99+ percent primary aluminum, quoted by *American Metal Market*.
[4] Crude and semicrude (including metal and alloys, plates, bars, etc., and scrap).
[5] Compiled by Aluminum Association from data on net shipments of aluminum ingot and mill products. Includes changes in aluminum industry and government inventories and net trade.

Source of tables 1356–1358: U.S. Bureau of Mines, *Minerals Yearbook*.

Section 28

Construction and Housing



This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics, occupants, and financing; and on public housing.

The principal source of these data is the U.S. Bureau of the Census, which issues a variety of current publications. Construction statistics compiled by the Bureau appear in its monthly *Construction Reports* series with various quarterly or annual supplements; *Housing Starts* and *Housing Completions* present data by type of unit and by 4 major census regions; *New One-Family Homes Sold and For Sale* provides statistics annually on physical and financial characteristics for all new one-family homes by the 4 major census regions; *Value of New Construction Put in Place* includes monthly composite construction cost indexes, and a special supplement which contains historical data, 1947 to 1974, as well as several tables showing data for 1915–1946; *Price Index of New One-Family Houses Sold* presents quarterly figures and annual regional data; and *Housing Authorized by Building Permits and Public Contracts* covers approximately 16,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Residential Alterations and Repairs*. Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies*, the quarterly *Market Absorption of Apartments*, the *Annual Housing Survey*, and reports of the censuses of housing and of construction industries. *Construction Review*, published monthly by the Industry and Trade Administration, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y., which presents State data on construction contracts; the Bureau of Economic Analysis, which presents data on residential capital; and the Federal Home Loan Bank Board, the Department of Housing and Urban Development (HUD), and the Veterans Administration, which publish financial data. Data on home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provides data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970–1974*. Data on mortgages insured by the Federal Housing Administration (FHA) and on VA-guaranteed loans are also presented in this section. In addition, the *Statistical Yearbook*, published by HUD, also contains housing data.

Censuses and Surveys.—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every five years (for years ending in "2" and "7"). The latest reports are for 1977.

The 1977 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, page 390), defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction are conducted.

From 1850 through 1930, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 census, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, and 1970 censuses estimated the underenumeration of occupied housing units at 2.9 percent, 2.4 percent, and 1.7 percent, respectively. The net undercount in the 1970 census is estimated at approximately 1.5 million housing units. The estimates for the various censuses are not strictly comparable due to differences in timing, procedures, and other factors. The census figures have not been adjusted to reflect the estimated undercounts.

The Annual Housing Survey (*Current Housing Reports*, Series H-150 and H-170), which began in 1973, provides a current and ongoing series of data on selected housing and demographic characteristics. It is based on a national sample and on separate samples for 60 SMSA's selected to represent a cross section of the housing stock in these areas. Annual Housing Survey estimates are subject to both sampling and nonsampling errors; caution should, therefore, be used in making comparisons with 1970 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the Annual Housing Survey.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters, that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

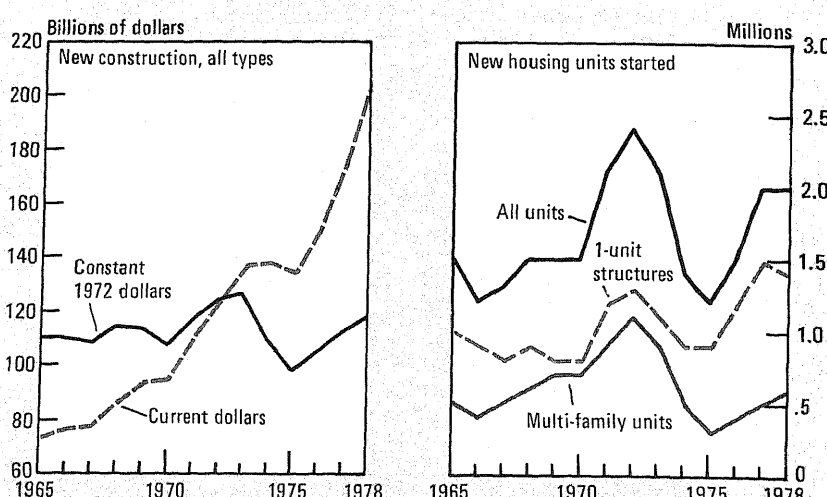
Statistical Reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

Figure 28.1

New Construction—Value of Total Construction and Housing Units Started: 1965 to 1978

(See tables 1359, 1360 and 1370)



Source: U.S. Bureau of the Census.

No. 1359. Value of New Construction Put in Place: 1965 to 1978

[**In millions of dollars, except percent.** Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 66-69]

ITEM	1965	1970	1972	1973	1974	1975	1976	1977	1978
Total	**73,747**	**94,855**	**124,085**	**137,917**	**138,501**	**134,535**	**151,054**	**174,000**	**206,224**
Average annual percent change [1]	6.1	5.2	14.4	11.1	.4	−2.9	12.3	15.2	18.5
Private	**51,685**	**66,759**	**93,901**	**105,412**	**100,166**	**93,651**	**111,931**	**135,826**	**160,403**
Percent of total	70.1	70.4	75.7	76.4	72.3	69.6	74.1	78.1	77.8
Residential buildings (incl. farm)	27,934	31,864	54,288	59,727	50,376	46,472	60,520	80,956	93,425
New housing units	21,712	24,272	44,879	50,087	40,644	34,408	47,277	65,749	75,808
Structures with—									
1 unit	15,705	14,754	27,632	30,649	26,293	27,423	40,049	55,271	62,385
2 or more units	6,007	9,518	17,247	19,438	14,351	6,986	7,228	10,478	13,422
Additions, alterations	4,736	6,234	7,420	7,274	8,045	10,925	12,308	14,209	16,350
Nonhousekeeping	1,486	1,358	1,989	2,366	1,687	1,139	935	998	1,267
Nonresidential buildings	16,509	21,417	24,038	27,584	29,637	26,407	26,091	28,695	36,293
Commercial	(NA)	9,754	13,464	15,453	15,944	12,806	12,756	14,783	18,565
Industrial	(NA)	6,538	4,676	6,243	7,902	8,018	7,183	7,712	10,994
Hospital and institutional	(NA)	2,529	3,172	3,152	3,201	3,209	3,396	3,290	3,347
Religious	(NA)	931	844	814	918	867	956	1,046	1,248
Educational	(NA)	865	968	837	655	567	660	660	729
Other residential	(NA)	800	914	1,085	1,017	939	1,140	1,203	1,410
Public utilities	5,788	11,020	13,202	15,185	16,624	17,379	20,301	20,296	24,148
Telephone, telegraph	1,463	2,968	3,302	3,967	4,279	3,683	3,777	4,345	5,418
Other public utilities	4,325	8,052	9,900	11,218	12,345	13,696	16,524	15,951	18,730
Electric light, power	2,589	5,808	7,582	8,778	9,246	9,888	11,777	12,432	14,915
Gas	1,304	1,653	1,675	1,709	1,739	1,350	1,280	1,560	2,244
Railroads	310	306	359	422	575	514	580	762	1,037
Petroleum pipelines	122	285	284	309	785	1,944	2,887	1,197	534
Farm (nonresidential)	1,038	1,512	1,432	2,003	2,529	2,325	3,941	4,577	5,253
All other private	416	946	941	913	1,000	1,068	1,077	1,301	1,283
Public	**22,062**	**28,096**	**30,184**	**32,505**	**38,334**	**40,884**	**39,123**	**38,174**	**45,821**
Percent of total	29.9	29.6	24.3	23.6	27.7	30.4	25.9	21.9	22.2
Buildings	7,893	10,657	11,500	12,995	14,990	15,474	13,759	12,799	15,235
Educational	4,284	5,619	5,720	6,647	7,310	7,760	6,342	5,459	6,264
Hospital	520	837	1,008	1,002	1,238	1,745	1,870	1,733	1,822
Industrial	368	499	534	606	766	918	905	1,070	1,183
Housing, redevelopment	603	1,107	875	941	1,006	754	720	908	1,053
Other public	2,118	2,595	3,363	3,799	4,670	4,296	3,922	3,629	4,914
Highways and streets	7,550	9,981	10,429	10,505	12,065	10,854	9,743	9,380	10,709
Conservation, development	2,019	1,908	2,172	2,313	2,741	3,257	3,742	3,862	4,435
Military facilities	830	718	1,087	1,166	1,185	1,389	1,630	1,429	1,498
Other public construction	3,770	4,832	4,996	5,526	7,352	9,911	10,248	10,704	13,943
Sewer systems	1,195	1,544	1,702	1,954	2,681	4,801	5,341	5,374	6,765
Water supply facilities	1,266	1,094	1,076	1,068	1,381	1,765	1,631	1,810	2,661
Misc. construction	1,309	2,194	2,218	2,504	3,290	3,345	3,276	3,520	4,517
Public ownership:									
State and local government	18,048	24,806	25,792	27,654	33,042	34,566	32,106	30,855	37,497
Buildings	6,433	9,755	10,370	11,665	13,487	13,580	11,631	10,501	12,764
Highways and streets	7,381	9,728	10,130	10,237	11,808	10,547	9,404	8,984	10,285
Conservation, development	513	541	410	358	495	618	903	774	597
Other	3,721	4,782	4,882	5,394	7,252	9,821	10,167	10,595	13,851
Federal government	4,014	3,290	4,392	4,851	5,293	6,318	7,017	7,320	8,324
Conservation, development	1,506	1,367	1,762	1,955	2,246	2,638	2,839	3,088	3,837
Buildings	1,460	902	1,130	1,330	1,504	1,894	2,128	2,298	2,472
Military facilities	830	718	1,087	1,166	1,185	1,389	1,630	1,429	1,498
Misc. (incl. highways and streets)	218	303	413	400	357	397	420	505	516

NA Not available. [1] Change from prior year shown; for 1965, change from 1960. Minus sign (−) denotes decrease. For explanation of average annual percent change, see Guide to Sources.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1360. Value in Constant (1972) Dollars of New Construction Put in Place: 1965 to 1978

[**In millions of dollars, except percent.** For details on derivation of constant values and description of revised series, see source. For description of nature of revisions and deflators used, see *Construction Reports*, series C30-74S. See also *Historical Statistics, Colonial Times to 1970*, series N 30-60, for value in 1957-59 dollars]

ITEM	1965	1970	1972	1973	1974	1975	1976	1977	1978
New construction	**109,678**	**107,009**	**123,920**	**126,924**	**109,132**	**97,229**	**104,995**	**111,178**	**117,358**
Private	**75,948**	**75,113**	**93,764**	**96,659**	**80,078**	**68,628**	**78,082**	**86,438**	**91,189**
Percent of total	69.2	70.2	75.7	76.2	73.4	70.6	74.4	77.7	77.7
Residential buildings [1]	39,684	35,707	54,192	54,308	41,489	35,256	42,669	50,649	51,477
New housing units	30,840	27,206	44,791	45,541	33,492	26,096	33,312	41,099	41,759
Structures with—									
1 unit	22,308	16,532	27,567	27,851	21,619	20,780	28,218	34,535	34,364
2 or more units	8,532	10,674	17,224	17,690	11,873	5,317	5,094	6,563	7,395
Additions, alterations	6,733	6,979	7,419	6,614	6,602	8,293	8,696	8,923	9,019
Nonhousekeeping	2,111	1,522	1,983	2,153	1,395	866	661	628	699
Nonresidential buildings [2]	25,770	24,143	24,023	25,409	22,699	19,073	18,789	19,430	21,869
Industrial	7,948	7,369	4,673	5,739	6,038	5,791	5,174	5,222	6,606
Office	10,466	10,995	5,266	5,517	4,695	3,591	3,430	3,571	3,962
Other commercial			8,189	8,719	7,521	5,658	5,756	6,436	7,228
Hospital, institutional	2,179	2,852	3,172	2,907	2,459	2,318	2,445	2,232	2,029
Religious	1,873	1,049	844	751	703	627	688	708	751
Educational	1,141	975	967	771	504	409	475	447	440
Other nonresidential	2,163	903	912	1,005	779	678	821	814	852
Public utilities	8,252	12,497	13,182	14,258	13,195	11,888	13,064	12,437	13,948
Telephone, telegraph	2,231	3,355	3,293	3,770	3,529	2,795	2,650	2,910	3,450
Other public utilities	6,024	9,142	9,889	10,488	9,667	9,093	10,414	9,527	10,498
Electric light, power [3]	3,766	6,638	7,580	8,200	7,257	6,635	7,474	7,386	8,355
Gas	1,638	1,843	1,669	1,604	1,368	870	784	936	1,265
Railroads	466	345	355	394	433	352	388	483	578
Petroleum pipelines	154	316	285	290	609	1,236	1,768	722	300
Farm (nonresidential)	1,617	1,702	1,430	1,838	1,935	1,679	2,838	3,096	3,170
All other private	625	1,067	940	851	759	733	722	825	725
Public	**33,730**	**31,896**	**30,156**	**30,265**	**29,054**	**28,601**	**26,913**	**24,740**	**26,169**
Percent of total	30.8	29.8	24.3	23.8	26.6	29.4	25.6	22.3	22.3
Buildings	12,245	12,008	11,488	11,986	11,556	11,207	9,904	8,630	9,151
Educational	6,693	6,336	5,713	6,139	5,618	5,607	4,571	3,699	3,779
Hospital	813	947	1,009	923	950	1,261	1,347	1,177	1,106
Industrial	576	561	532	559	588	663	652	725	718
Housing, redevelopment	856	1,239	873	855	827	572	509	571	578
Other public bldgs	3,307	2,925	3,361	3,510	3,573	3,104	2,826	2,458	2,970
Highways and streets	11,651	11,282	10,418	9,884	8,682	7,269	6,595	6,035	5,685
Conservation, development	2,956	2,160	2,169	2,139	2,183	2,286	2,485	2,415	2,589
Military facilities	1,272	817	1,086	1,086	905	992	1,145	948	862
Other public construction	5,606	5,629	4,995	5,170	5,729	6,847	6,784	6,711	7,883
Sewer systems	1,871	1,872	1,702	1,825	2,136	3,369	3,550	3,359	3,849
Water supply facilities	1,767	1,270	1,079	1,002	1,096	1,187	1,040	1,109	1,508
Miscellaneous	1,968	2,487	2,214	2,343	2,496	2,292	2,194	2,243	2,526

[1] Including farm. [2] Excludes building by privately owned public utilities.
[3] Includes construction with Rural Electrification Administration (REA) funds.
Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1361. Value of Privately Owned Nonresidential Building Projects, by Construction Status, 1973 to 1978, and by Type of Project, 1978

[**In billions of dollars**]

CONSTRUCTION STATUS	1973	1974	1975	1976	1977	1978					
						Total	Industrial	Office building	Other commercial	Hospital and institutional	Other [1]
Value of projects—											
Started	28.4	27.7	20.1	23.8	29.3	38.7	11.5	7.9	13.0	3.0	3.3
Completed	24.6	26.9	27.9	25.9	27.7	31.5	8.8	6.1	10.8	2.8	3.0
Under construction at yearend	42.8	46.1	41.9	41.9	44.8	55.5	21.3	11.3	10.9	8.2	3.8

[1] Privately owned religious, educational, and miscellaneous nonresidential building projects.
Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1362. Private Construction Authorized by Building Permits: 1972 to 1978

[In millions of dollars. "14,000 and 16,000 place" series are based on U.S. total of approximately 14,000 and 16,000 places identified in 1972 and 1978, respectively, with local building permit systems]

Type of construction	Value (14,000 places)							Value (16,000 places), 1978
	1972	1973	1974	1975	1976	1977	1978	
Total	**59,445**	**61,835**	**50,827**	**47,330**	**63,144**	**82,871**	**96,568**	**101,621**
New housing units	35,857	33,669	23,479	23,855	35,528	49,999	55,424	58,907
In structures with—								
1 unit	21,430	20,691	16,774	19,761	28,998	40,039	43,152	46,253
2-4 units	1,910	1,706	1,025	1,119	1,796	2,560	3,014	3,095
5 units or more	12,517	11,272	5,680	2,974	4,734	7,399	9,258	9,560
New nonhousekeep. resid. bldgs	1,414	1,689	876	705	770	1,028	1,256	1,280
New nonresidential buildings	17,289	20,903	20,483	16,200	19,182	23,663	30,816	32,185
Industrial buildings	2,899	4,525	4,505	3,041	3,923	5,494	7,362	7,806
Office buildings	3,758	4,058	3,872	2,965	3,091	4,343	6,628	6,758
Stores and other mercantile	4,159	4,807	4,308	3,446	4,326	5,700	7,347	7,574
Hospitals and other institutional	1,898	1,875	2,024	1,963	2,442	2,039	2,059	2,097
All other nonresidential	4,575	5,637	5,774	4,786	5,400	6,087	7,420	7,949
Additions and alterations	4,885	5,574	5,990	6,570	7,664	8,181	9,073	9,249

Source: U.S. Bureau of the Census. In U.S. Industry and Trade Administration, *Construction Review*.

No. 1363. Price, Wage Scale, and Cost Indexes for Construction: 1965 to 1978

[1972=100. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 118–137, for construction cost indexes on a 1947–49 base]

Item	1965	1970	1971	1973	1974	1975	1976	1977	1978
Price index for new one-family houses sold [1]	71.2	89.1	93.9	108.9	119.1	131.0	142.0	159.6	182.1
Union hourly wage scales, building trades [2]	59.3	84.1	94.0	105.0	113.2	122.9	130.9	138.6	146.5
Bricklayers	59.8	83.2	94.5	104.0	112.3	119.9	126.5	133.1	140.3
Carpenters	60.1	85.4	93.8	106.1	114.0	123.9	131.3	138.3	145.9
Electricians	57.6	82.1	93.5	103.8	110.3	122.0	130.2	138.8	146.7
Painters	59.8	83.2	91.7	105.6	113.6	123.5	132.8	141.0	149.5
Plasterers	61.0	83.5	93.4	104.4	113.0	121.1	129.8	137.5	144.9
Plumbers	59.8	85.4	95.4	103.9	113.0	122.2	130.6	138.6	146.8
Building laborers	59.5	85.0	94.9	105.5	115.7	125.3	133.6	142.1	150.5
Construction cost indexes:									
Dept. of Commerce composite [3]	67.2	88.6	94.8	108.7	126.9	138.4	143.9	156.5	175.7
Fed. Highway Admin.: Highways [4]	65.3	90.9	95.3	110.3	146.0	147.5	144.2	156.6	191.7
Environmental Protection Agency:									
Sewers	62.8	80.7	90.1	107.5	124.2	139.5	148.2	157.6	172.6
Sewage treatment plant	65.1	83.5	92.9	106.2	126.3	145.3	152.5	161.8	177.1
ICC: Pipeline	79	90	95	106	126	155	163	167	(NA)
American Appraisal Co.: Building const. [5]	60	83	92	111	117	125	137	146	159
E. H. Boeckh, building cost index: [6]									
Small residential structures	62.0	84.0	91.1	109.2	118.0	125.9	136.2	148.5	161.8
Apartments, hotels, and office buildings	62.4	85.6	92.8	105.9	115.8	127.2	137.3	148.6	158.2
Commercial and factory buildings	62.2	85.0	92.5	106.6	118.1	130.4	141.5	152.9	164.3
Engineering News-Record: [7]									
Building construction	60.1	80.2	90.5	108.5	114.9	124.5	135.9	147.3	159.6
General construction	55.6	79.1	90.0	108.3	115.5	126.2	137.1	147.2	158.5
Turner Construction Co.: Building const. [8]	61	84	94	107	124	129	132	137	145
Handy-Whitman public utility: [9] Building	65	83	92	109	132	147	150	158	173
Electric light and power [10]	69	88	94	107	127	149	158	169	179

NA Not available. [1] Includes value of site. [2] Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of first work day in July. Includes Honolulu, Hawaii, beginning in 1976. Source: U.S. Bureau of Labor Statistics, *Union Wages and Hours: Building Trades*, annual. [3] Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. [4] Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). [5] Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes those for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit. [6] Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and social security payroll taxes. [7] Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. [8] Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. [9] Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. [10] As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: Except as noted, U.S. Bureau of the Census. In U.S. Industry and Trade Administration, *Construction Review*.

No. 1364. Construction Materials—Indexes of Producer Prices: 1970 to 1978

[1967=100. For discussion of producer price index, see text, p. 473. Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. See also *Historical Statistics, Colonial Times to 1970*, series N 140–155]

COMMODITY	1970	1972	1973	1974	1975	1976	1977	1978
All materials	**112.5**	**126.6**	**138.5**	**160.9**	**174.0**	**187.7**	**204.9**	**228.2**
Softwood lumber: Douglas fir	108.7	161.1	209.6	213.7	212.0	250.7	291.4	339.8
Southern pine	114.7	151.5	187.9	184.5	175.3	217.4	262.5	304.6
Other	115.0	177.0	226.6	220.8	205.3	257.8	312.6	363.2
Hardwood lumber	114.6	126.2	169.0	189.5	160.3	176.0	200.3	235.8
Millwork	116.0	128.4	144.2	157.1	160.4	176.9	193.7	235.4
Plywood	108.4	130.7	155.2	161.1	161.2	187.0	212.2	235.6
Building paper and board	101.0	106.4	112.8	123.5	127.1	138.8	157.0	187.4
Prepared paint	112.4	118.0	122.2	145.7	166.9	174.4	182.4	192.3
Finished steel products:								
Structural shapes	115.3	134.6	140.7	179.0	216.3	227.1	241.2	272.0
Reinforcing bars	110.3	114.7	124.1	201.5	199.2	182.5	185.8	208.4
Black pipe, carbon	113.3	132.5	137.8	178.7	204.6	219.1	247.9	279.8
Wire nails, 8d common	114.8	133.5	140.4	207.1	241.4	243.6	261.3	273.5
Nonferrous metal products	124.7	116.9	135.0	187.1	171.6	181.6	195.4	207.7
Copper water tubing	122.9	116.4	133.3	174.7	134.2	147.7	(NA)	162.8
Building wire	123.2	92.9	108.2	169.7	125.8	118.4	126.7	125.5
Plumbing fixtures	111.2	119.7	125.8	149.1	162.3	174.1	186.6	199.1
Heating equipment	110.6	118.2	120.4	135.0	150.7	158.0	165.5	174.4
Metal doors, sash, trim	113.0	120.5	124.5	147.3	162.5	171.3	188.7	207.8
Plate glass	(NA)	115.0	115.0	115.0	120.4	126.4	133.0	147.3
Concrete ingredients	112.6	126.9	131.2	148.7	172.3	186.7	199.0	217.4
Concrete products	112.2	125.6	131.7	151.7	170.5	180.1	191.8	214.0
Structural clay products	109.9	117.3	123.3	135.2	151.2	163.5	179.8	197.1
Gypsum products	99.7	114.7	120.9	137.6	144.0	154.4	183.5	229.1
Asphalt roofing	102.7	131.2	135.5	196.0	225.9	238.3	253.0	291.9
Insulation materials	123.2	136.9	137.4	156.5	196.2	212.6	235.9	250.7

NA Not available. [1] Excludes refractories.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

No. 1365. Selected Construction Industries—Summary, by Industry: 1972 and 1977

[Based on a probability sample of about 167,000 in 1972 and 181,000 in 1977 construction establishments with payroll; see Appendix III]

INDUSTRY	Establishments with payroll (1,000)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added [2] (mil. dol.)
		Total	Construction workers	Total	Construction workers	Total	Net construction [1]	
1972, total	**437.9**	**4,146**	**3,487**	**40,005**	**32,187**	**155,850**	**111,232**	**68,197**
Contract construction	430.0	4,083	3,464	39,528	32,036	152,722	110,716	67,810
General building contractors	133.1	1,150	938	10,159	7,740	64,350	33,245	17,884
Heavy construction contractors	28.0	827	709	9,255	7,537	31,461	25,357	16,200
Special trade contractors [3]	269.0	2,107	1,817	20,114	16,759	56,911	52,114	33,726
1977, total	**477.8**	**4,254**	**3,561**	**54,772**	**43,126**	**222,929**	**164,214**	**98,428**
Contract construction	472.5	4,212	3,542	54,318	42,962	219,591	163,055	97,602
General building contractors [4]	154.1	1,163	956	13,348	9,987	87,640	47,678	24,709
Heavy construction contractors	29.8	890	740	13,895	10,799	49,735	39,435	26,001
Highway and street construction	10.3	249	216	3,355	2,736	14,657	11,696	7,144
Special trade contractors [3]	288.6	2,158	1,846	27,076	22,176	82,216	75,943	46,892
Plumbing, heating, air conditioning	56.5	458	368	6,402	5,012	21,419	19,117	10,470
Painting, paperhanging, decorating	27.3	133	121	1,373	1,200	3,206	3,051	2,359
Electrical work	36.8	366	305	5,650	4,628	14,942	14,355	9,016
Masonry and other stonework	24.8	152	143	1,495	1,350	3,796	3,670	2,414
Plastering, drywall, insulation	16.8	186	164	2,355	1,978	6,507	6,042	3,783
Terrazzo, tile, marble, mosaic work	3.9	22	19	256	208	790	751	443
Carpentering	24.3	124	114	1,199	1,058	3,625	3,311	2,070
Floor laying and floor work, n.e.c. [5]	9.0	41	34	454	353	1,674	1,547	820
Roofing and sheet metal work	20.6	172	146	1,970	1,557	6,331	5,948	3,424
Concrete work	18.4	139	125	1,467	1,247	5,143	4,727	2,740
Water well drilling	4.3	22	19	239	189	1,125	1,083	633
Structural steel erection	2.6	48	41	685	564	1,922	1,748	1,203
Glass and glazing work	3.2	24	18	301	214	1,080	957	535
Excavating and foundation work	16.2	103	91	1,203	1,018	4,332	3,911	2,970
Wrecking and demolition work	1.0	9	7	93	73	275	242	225
Subdividers and developers, n.e.c. [5]	5.3	43	19	454	164	3,337	1,159	826

NA Not available. [1] Construction receipts less payments for construction work subcontracted to others, not shown separately. [2] Total receipts less (*a*) payments for materials, components, and supplies, (*b*) payments for construction work subcontracted to others, not shown separately. [3] Includes other, not shown separately. [4] Includes operative builders. [5] N.e.c. not elsewhere classified.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1972* and *1977*, series CC.

No. 1366. Construction Contracts—Value of Construction and Floor Space of Buildings, by Class of Construction: 1970 to 1978

[**Value in billions of dollars; space in million square feet; except percent.** Includes new structures and additions to existing structures, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series N 78-100]

Class of construction	Amount							Percent distribution			
	1970	1973	1974	1975	1976	1977	1978	1970	1975	1977	1978
Value of construction, total	**68.3**	**99.3**	**93.7**	**92.7**	**110.1**	**139.7**	**158.4**	**100.0**	**100.0**	**100.0**	**100.0**
Residential buildings	24.8	45.7	33.6	31.3	44.2	62.0	74.5	36.3	33.8	44.4	47.0
Nonres. buildings, total	24.6	31.4	33.2	31.6	30.0	35.1	44.4	36.0	34.1	25.1	28.0
Commercial [1]	9.1	12.8	11.8	9.2	10.2	13.6	20.5	13.3	9.9	9.7	12.9
Manufacturing	3.7	4.8	5.6	6.8	4.5	5.4	8.7	5.4	7.3	3.9	5.5
Educational and science	5.3	5.1	6.3	5.9	4.9	5.2	5.7	7.8	6.4	3.7	3.6
Hospital	2.8	3.3	3.8	3.7	4.5	4.5	3.7	4.1	4.0	3.2	2.3
Public buildings	1.0	2.0	2.1	2.1	2.1	2.3	1.5	1.5	2.3	1.6	.9
Religious	.6	.7	.8	.8	.9	1.0	1.2	.9	.9	.7	.8
Social and recreational [2]	2.1	2.7	2.8	3.1	3.0	3.3	3.0	3.1	3.3	2.4	1.9
Nonbuilding construction	19.0	22.1	27.0	29.8	35.9	42.6	39.5	27.8	32.2	30.5	24.9
Floor space, total	**2,938**	**4,013**	**2,938**	**2,390**	**2,819**	**3,536**	**4,073**	**100.0**	**100.0**	**100.0**	**100.0**
Residential buildings	1,781	2,574	1,657	1,441	1,867	2,440	2,799	60.6	60.3	69.0	68.7
Nonres. buildings, total	1,157	1,439	1,282	949	952	1,096	1,274	39.4	39.7	31.0	31.3
Commercial [1]	530	717	594	409	440	564	755	18.0	17.1	16.0	18.5
Manufacturing	212	293	246	146	152	175	209	7.2	6.1	4.9	5.1
Educational and science	195	156	176	152	118	112	105	6.6	6.4	3.2	2.6
Hospital	75	76	75	63	71	66	52	2.6	2.6	1.9	1.3
Public buildings	29	49	47	46	42	43	22	1.0	1.9	1.2	.5
Religious	27	28	27	28	31	32	36	.9	1.2	.9	.9
Social and recreational [2]	89	120	117	105	99	105	95	3.0	4.4	3.0	2.3

[1] Includes nonindustrial warehouses. [2] Includes miscellaneous.

Source: F.W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. In *Dodge Construction Potentials*.

No. 1367. Construction Contracts—Value, by States: 1975 to 1978

[**In millions of dollars.** See headnote, table 1366. Represents value of construction in States in which work was actually done]

State	1975	1976	1977	1978			State	1975	1976	1977	1978		
				Total (incl. nonbldg.)	Residential	Nonresidential					Total (incl. nonbldg.)	Residential	Nonresidential
Total	**92,659**	**110,061**	**139,723**	**158,438**	**74,531**	**44,373**	Mo	1,645	2,669	2,461	2,721	1,376	680
							Mont	393	388	444	556	296	138
Ala	3,084	1,937	1,980	2,649	1,305	659	Nebr	747	962	868	1,303	515	245
Alaska	4,826	881	825	674	256	216	Nev	479	680	1,006	1,257	727	206
Ariz	1,704	2,431	3,827	2,893	1,760	705	N.H	313	346	1,653	1,601	258	143
Ark	1,301	1,150	1,250	1,519	896	297							
Calif	8,663	11,405	14,544	15,985	9,214	4,669	N.J	1,950	2,064	4,805	4,037	1,292	1,150
							N. Mex	660	632	956	1,099	597	219
Colo	1,380	1,871	2,050	2,634	1,498	779	N.Y	3,955	4,593	4,326	5,729	2,003	1,666
Conn	804	1,788	1,164	1,492	598	627	N.C	2,240	2,329	3,019	4,751	2,124	1,012
Del	228	376	281	363	125	196	N. Dak	865	394	719	824	336	149
D.C	542	445	455	447	138	221							
Fla	3,607	4,038	6,873	9,089	5,458	2,545	Ohio	3,924	4,165	7,317	6,226	2,911	2,030
							Okla	1,166	1,410	2,426	2,283	1,338	604
Ga	1,825	3,332	5,209	3,425	1,702	1,087	Oreg	1,036	1,234	1,936	2,206	1,241	635
Hawaii	979	694	613	673	345	192	Pa	3,009	3,869	3,861	4,818	2,073	1,269
Idaho	399	397	703	718	394	184	R.I	244	261	305	343	176	84
Ill	3,907	8,459	5,786	7,284	3,430	2,263							
Ind	2,111	2,536	4,353	6,421	1,744	1,177	S.C	2,143	1,342	1,548	1,796	955	500
							S. Dak	275	370	459	554	260	98
Iowa	1,252	1,405	1,517	2,219	987	535	Tenn	1,678	1,782	6,222	3,084	1,610	829
Kans	1,324	1,489	3,103	1,581	910	332	Tex	6,372	7,880	10,703	13,807	6,584	5,013
Ky	1,444	1,827	2,249	3,491	1,277	720	Utah	735	845	1,064	1,297	727	442
La	1,847	3,708	3,635	4,549	1,540	1,806							
Maine	398	481	400	498	294	104	Vt	144	158	231	282	153	76
							Va	2,932	2,677	3,505	4,661	2,000	1,217
Md	1,886	2,097	2,183	2,836	1,037	778	Wash	2,019	3,480	2,976	4,318	2,178	1,104
Mass	1,415	1,473	1,836	2,255	849	702	W. Va	926	1,038	629	783	226	238
Mich	3,187	3,176	4,275	5,955	2,460	1,723	Wis	1,667	2,548	2,605	3,073	1,587	820
Minn	1,667	1,977	2,705	3,161	1,708	873	Wyo	229	1,609	440	616	223	129
Miss	1,030	961	1,421	1,599	841	288							

Source: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. Figures reported currently in *Dodge Construction Potentials*.

No. 1368. Gross Housing Product—Summary: 1960 to 1978

[In billions of dollars. For definition of current and constant dollars, see text, p. 435]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
CURRENT DOLLARS										
Total value of housing output [1]	46.7	63.3	90.3	108.2	118.6	131.6	144.7	159.9	180.5	204.4
Percent of GNP [2]	9.2	9.2	9.2	9.2	9.1	9.3	9.5	9.4	9.6	9.7
Nonfarm housing	44.4	60.8	87.3	104.8	114.7	126.9	139.2	153.9	173.4	196.7
Owner-occupied	31.3	42.7	61.3	74.0	81.3	90.5	100.1	110.9	125.7	142.9
Tenant-occupied	13.3	18.2	26.0	30.8	33.4	36.3	39.1	43.0	47.7	53.7
Farm housing	2.1	2.5	3.0	3.5	3.9	4.7	5.4	6.0	7.2	7.7
Less: Intermediate goods and services consumed	7.8	8.8	12.2	16.0	17.8	19.6	21.3	24.7	26.5	31.8
Equals: Gross housing product	38.9	54.5	78.1	92.2	100.9	112.0	123.4	135.2	154.0	172.6
CONSTANT (1972) DOLLARS										
Total value of housing output [1]	61.9	78.7	98.1	108.2	113.3	119.1	124.0	129.8	137.6	145.7
Nonfarm housing	57.9	74.8	94.5	104.8	110.0	115.8	120.8	126.7	134.7	142.9
Owner-occupied	40.6	52.5	66.3	74.0	78.0	82.6	86.9	91.3	97.6	103.8
Tenant-occupied	17.2	22.3	28.1	30.8	32.0	33.2	33.9	35.4	37.1	39.1
Farm housing	4.1	3.9	3.7	3.5	3.3	3.3	3.2	3.1	2.9	2.8
Less: Intermediate goods and services consumed	10.3	11.0	13.3	16.0	17.0	17.8	18.3	20.1	20.3	22.8
Equals: Gross housing product	51.7	67.7	84.9	92.2	96.3	101.3	105.8	109.6	117.3	122.9

[1] Equals personal consumption expenditures (see text, pages 771 and 772) for housing less expenditures for transient hotels, motels, clubs, schools, and institutions. [2] GNP-Gross national product.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–74*, and *Survey of Current Business*, July issues.

No. 1369. Residential Capital—Stocks and Average Age: 1960 to 1978

[As of **Dec. 31**. Data based on fixed residential capital formation components of the gross national product; see text, p. 433. For nonresidential business capital, see table 922. See *Historical Statistics, Colonial Times to 1970*, series F 528–534 and N 200–223 for related data]

ITEM	1960	1965	1970	1973	1974	1975	1976	1977	1978
	CAPITAL IN CURRENT DOLLARS (bil. dol.)								
Gross stocks [1]	717	847	1,233	1,655	1,862	2,044	2,290	2,639	3,026
Private nonfarm: 1–4 units	588	682	971	1,274	1,425	1,565	1,759	2,035	2,342
5 or more units	48	72	127	200	232	254	283	325	373
Farm (1–4 units)	44	43	54	64	70	75	81	91	101
Private nonhousekeeping	14	20	30	42	47	52	57	64	72
Mobile homes	5	8	17	29	35	40	45	52	58
Public: Federal, State and local	13	17	27	37	42	45	50	57	65
Net stocks [1] [2]	450	546	797	1,085	1,216	1,328	1,483	1,711	1,962
Private nonfarm: 1–4 units	380	445	629	827	922	1,009	1,134	1,316	1,518
5 or more units	28	48	91	150	174	189	208	237	270
Farm (1–4 units)	20	19	23	26	28	30	33	37	41
Private nonhousekeeping	7	12	20	28	32	34	37	41	45
Mobile homes	3	5	11	20	24	26	28	31	34
Public: Federal, State and local	10	13	20	27	30	33	36	40	45
	CAPITAL IN CONSTANT (1972) DOLLARS (bil. dol.)								
Gross stocks [1]	956	1,120	1,277	1,419	1,451	1,477	1,510	1,552	1,596
Private nonfarm: 1–4 units	787	904	1,007	1,090	1,109	1,129	1,157	1,192	1,228
5 or more units	65	96	132	172	180	183	186	191	195
Public: Federal, State and local	17	22	28	31	32	33	33	34	34
Farm (1–4 units)	59	58	56	55	54	54	54	53	53
Private nonhousekeeping	19	26	31	36	37	37	37	38	38
Mobile homes	5	8	16	26	29	30	32	34	36
Net stocks [1] [2]	601	721	826	930	948	959	978	1,006	1,033
Private nonfarm: 1–4 units	509	590	652	708	717	728	746	771	796
5 or more units	37	64	94	129	135	136	137	139	142
Farm (1–4 units)	26	25	24	23	22	22	22	22	22
Private nonhousekeeping	10	16	21	24	25	25	24	24	24
Mobile homes	3	5	11	18	20	20	20	21	21
Public: Federal, State and local	14	18	21	23	24	24	23	24	24
	AVERAGE AGE [3] (years)								
Gross stocks	27.9	26.4	25.8	24.8	24.9	25.0	25.1	24.9	24.8
Private nonfarm: 1–4 units	27.5	26.7	26.8	26.4	26.6	26.7	26.6	26.4	26.3
5 or more units	27.9	21.4	18.4	16.0	16.0	16.4	16.9	17.2	17.5
Farm (1–4 units)	45.0	45.5	45.9	46.2	46.4	46.4	46.4	46.2	46.1
Private nonhousekeeping	21.2	16.0	14.3	13.6	13.6	13.9	14.3	14.8	15.2
Mobile homes	5.4	6.1	5.4	4.9	5.1	5.6	6.0	6.3	6.6
Federal	14.7	16.0	19.7	20.1	20.4	21.1	21.8	22.5	23.2
State and local	9.8	11.7	13.1	14.4	15.0	15.7	16.5	17.1	17.7

[1] Includes other, not shown separately. [2] Represents net value of structures at preceding yearend plus net investment based on straight-line depreciation for year shown. [3] Constant-dollar stocks.

Source: U.S. Bureau of Economic Analysis, *Fixed Nonresidential Business and Residential Capital in the United States, 1925–75*, and unpublished data.

No. 1370. New Housing Units Started: 1960 to 1979

[Minus sign (−) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 156–159]

Year	Total (1,000)	Percent change	Privately owned (1,000)		Publicly owned (1,000)	Year and month	Total (1,000)	Percent change	Privately owned (1,000)		Publicly owned (1,000)
			Total	1-unit structures					Total	1-unit structures	
1960	1,296	[1] −16.6	1,252	995	44	1973	2,057	−13.5	2,045	1,132	12
1961	1,365	5.3	1,313	974	52	1974	1,352	−34.3	1,338	888	15
1962	1,492	9.3	1,463	991	30	1975	1,171	−13.4	1,160	892	11
1963	1,635	9.6	1,603	1,012	32	1976	1,548	32.2	1,538	1,162	10
1964	1,561	−4.5	1,529	970	32	1977	1,990	28.6	1,987	1,451	3
1965	1,510	−3.3	1,473	964	37	1978	2,023	1.7	2,020	1,433	3
1966	1,196	−20.8	1,165	779	31	1979: Jan	(NA)	(NA)	1,679	1,139	(NA)
1967	1,322	10.5	1,292	844	30	Feb	(NA)	(NA)	1,381	953	(NA)
1968	1,545	16.9	1,508	899	38	Mar	(NA)	(NA)	1,786	1,266	(NA)
1969	1,500	−2.9	1,467	811	33	Apr	(NA)	(NA)	1,745	1,278	(NA)
1970	1,469	−2.1	1,434	813	35	May [2]	(NA)	(NA)	1,835	1,226	(NA)
1971	2,085	41.9	2,052	1,151	32	June [2]	(NA)	(NA)	1,935	1,298	(NA)
1972	2,379	14.1	2,357	1,309	22	July [2]	(NA)	(NA)	1,799	1,223	(NA)

NA Not available. [1] Change from 1959. [2] Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1371. New Housing Units Started—Selected Characteristics: 1960 to 1978

[**In thousands.** See also *Historical Statistics, Colonial Times to 1970*, series N 156–163]

Characteristic	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
Total	**1,296**	**1,510**	**1,469**	**2,379**	**2,057**	**1,352**	**1,171**	**1,548**	**1,990**	**2,023**
Northeast [1]	237	281	224	334	278	183	150	170	202	201
North Central [1]	304	369	301	445	442	320	295	401	465	451
South [1]	441	589	629	1,068	906	561	448	575	784	824
West [1]	315	271	315	532	431	288	278	402	539	547
Units inside SMSA's [2]	889	1,035	1,034	1,733	1,502	932	767	1,048	1,378	1,433
Units outside SMSA's [2]	407	475	435	646	556	420	405	499	612	590
Publicly owned	44	37	35	22	12	15	11	10	3	3
Privately owned	1,252	1,473	1,434	2,357	2,045	1,338	1,160	1,538	1,987	2,020
With FHA aid	261	197	421	[3] 371	[3] 161	[3] 94	[3] 104	[3] 151	[3] 178	[3] 176
With VA aid	75	49	61	[3] 104	[3] 86	[3] 73	[3] 77	[3] 100	[3] 131	[3] 127
In structures with:										
1 unit	1,009	965	815	1,311	1,133	889	896	1,166	1,452	1,436
2–4 units	288	101	96	151	124	77	68	89	122	125
5 units or more		444	558	917	800	387	208	292	415	463

[1] For composition of regions, see fig. I, inside front cover. [2] For definition of standard metropolitan statistical area (SMSA), see text, Appendix II. 1960 based on 1959 definitions; 1965–1975, on 1967 definitions as amended through 1974; thereafter, on 1974 definitions as amended through 1975. [3] Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.

Source: Except as noted, U.S. Bureau of the Census, *Construction Reports*, series C20, and unpublished data. Includes data from U.S. Federal Housing Administration and U.S. Veterans Administration.

No. 1372. New Mobile Homes Placed for Residential Use and Average Sales Price, by Region: 1974 to 1978

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Based on a probability sample and subject to sampling variability; see source. For composition of regions, see fig. I, inside front cover]

Region	Units (1,000)					Average sales price ($1,000)				
	1974	1975	1976	1977	1978	1974	1975	1976	1977	1978
U.S.	**332.0**	**229.3**	**249.6**	**257.5**	**254.8**	**9.3**	**10.6**	**12.3**	**14.2**	**15.9**
Northeast	23.3	14.7	16.8	16.7	20.0	9.4	10.5	11.6	12.9	14.3
North Central	67.5	48.5	51.5	50.7	44.6	9.3	10.7	11.6	13.5	15.1
South	170.8	110.8	114.8	112.5	117.4	8.3	9.0	10.6	12.1	13.7
West	70.4	55.2	66.5	77.7	72.9	11.6	13.6	16.0	18.1	20.5

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1373. New Housing Units Authorized by States: 1976 to 1978

[Includes public housing contract awards. Based on about 14,000 places in U.S. having building permit systems, except as noted]

Region and State	Housing units								Valuation (mil. dol.)			
	1976		1977		1978		1978 [2]					
	Total (1,000)	Percent single unit structures [1]	Total (1,000)	Percent single unit structures [1]	Total (1,000)	Percent single unit structures [1]	Total (1,000)	Percent single unit structures [1]	1976	1977	1978	1978 [2]
U.S.	**1,302.7**	**69**	**1,692.1**	**67**	**1,687.8**	**65**	**1,801.5**	**66**	**35,714**	**50,071**	**55,454**	**58,938**
N. Eng.	**49.0**	**73**	**57.4**	**71**	**56.5**	**69**	**59.4**	**70**	**1,294**	**1,610**	**1,762**	**1,849**
Maine	4.2	75	4.8	78	5.1	68	5.8	70	107	128	155	178
N.H.	6.0	79	6.7	78	6.6	79	7.2	79	171	204	229	247
Vt.	2.2	71	2.9	54	2.9	59	3.6	64	54	73	81	101
Mass.	18.2	75	22.0	71	20.7	68	21.5	69	472	597	616	638
R.I.	4.6	63	5.3	56	5.4	58	5.4	58	97	120	140	141
Conn.	13.9	71	15.7	73	15.8	72	15.9	72	393	488	540	543
Mid. Atl.	**103.3**	**73**	**124.6**	**69**	**128.7**	**66**	**135.3**	**68**	**2,658**	**3,452**	**3,941**	**4,144**
N.Y.	30.5	78	39.6	67	41.8	55	43.1	56	766	1,055	1,189	1,228
N.J.	30.7	67	34.7	68	38.1	73	38.2	73	800	974	1,229	1,231
Pa.	42.1	73	50.3	72	48.7	71	54.0	73	1,093	1,423	1,522	1,685
E. No. Cent.	**220.0**	**67**	**274.4**	**67**	**256.9**	**65**	**265.9**	**66**	**6,187**	**8,629**	**9,241**	**9,570**
Ohio	48.7	66	60.8	66	59.1	60	59.9	61	1,397	1,949	2,110	2,145
Ind.	30.7	72	38.2	67	33.5	69	35.1	70	848	1,164	1,227	1,279
Ill.	59.5	64	75.4	64	69.1	61	72.2	61	1,757	2,486	2,618	2,736
Mich.	45.9	72	58.7	71	59.6	70	61.1	71	1,264	1,804	2,054	2,107
Wis.	35.3	65	41.3	64	35.7	69	37.7	70	922	1,227	1,232	1,303
W. No. Cent.	**106.3**	**67**	**128.3**	**68**	**116.4**	**69**	**122.1**	**70**	**2,844**	**3,840**	**3,900**	**4,105**
Minn.	27.0	73	38.3	69	36.5	74	37.8	74	827	1,290	1,395	1,439
Iowa	19.4	55	20.6	60	16.4	61	17.2	63	478	594	526	554
Mo.	22.7	74	28.1	74	27.3	74	29.1	75	579	759	824	896
N. Dak.	6.1	48	6.5	47	5.8	49	6.0	50	163	186	188	194
S. Dak.	4.8	48	6.0	48	4.5	62	5.3	67	104	141	129	154
Nebr.	10.5	78	11.3	78	10.6	76	10.9	77	226	287	275	290
Kans.	15.7	68	17.5	70	15.4	65	15.9	66	467	583	563	578
So. Atl.	**210.0**	**81**	**291.2**	**73**	**332.3**	**68**	**363.5**	**70**	**5,596**	**8,172**	**10,125**	**10,985**
Del.	2.6	96	3.4	80	3.0	89	3.0	89	71	89	94	94
Md.	27.0	82	30.4	78	29.2	74	30.4	73	717	884	945	970
D.C.	2.2	21	2.1	35	2.2	24	2.2	24	46	51	49	49
Va.	39.9	84	54.9	77	51.6	78	51.2	78	1,112	1,592	1,659	1,671
W. Va.	2.6	67	3.5	57	3.4	51	4.4	58	61	90	94	125
N.C.	26.0	86	33.0	79	36.3	75	42.9	77	676	899	1,072	1,260
S.C.	18.4	88	22.1	84	23.8	75	27.0	77	491	627	703	805
Ga.	24.5	89	33.5	78	34.7	80	37.5	81	619	875	977	1,064
Fla.	66.7	73	108.1	66	147.9	59	163.9	62	1,803	3,066	4,532	4,947
E. So. Cent.	**56.7**	**74**	**76.2**	**64**	**71.3**	**63**	**76.7**	**65**	**1,303**	**1,786**	**1,892**	**2,055**
Ky.	13.4	72	18.0	65	15.5	61	16.1	62	338	465	451	469
Tenn.	19.1	76	26.5	64	26.3	63	28.8	66	450	647	731	813
Ala.	17.2	70	23.6	58	19.7	64	21.0	65	361	476	459	496
Miss.	6.9	83	8.2	74	9.7	67	10.8	67	154	197	250	278
W. So. Cent.	**139.0**	**60**	**195.1**	**56**	**182.8**	**57**	**227.9**	**60**	**3,242**	**5,006**	**5,457**	**6,821**
Ark.	8.8	71	11.3	64	9.0	71	9.9	72	215	290	274	297
La.	17.1	76	26.4	61	22.4	64	27.1	68	432	694	650	812
Okla.	15.8	79	21.3	79	20.8	76	21.2	76	433	703	757	770
Tex.	97.3	54	136.2	50	130.6	52	169.7	55	2,163	3,319	3,777	4,943
Mt.	**107.4**	**71**	**158.2**	**72**	**185.0**	**70**	**191.1**	**71**	**2,798**	**4,508**	**5,606**	**5,805**
Mont.	4.8	51	5.6	50	4.8	59	4.8	59	101	131	129	129
Idaho	9.5	69	12.7	66	9.4	76	10.5	78	241	345	304	332
Wyo.	4.1	62	4.4	63	4.6	66	5.1	65	100	122	155	168
Colo.	25.0	79	37.3	81	44.5	75	46.3	75	685	1,114	1,451	1,519
N. Mex.	8.3	68	13.7	65	14.4	72	15.4	73	228	383	474	519
Ariz.	24.0	79	41.9	79	61.2	71	62.1	72	547	1,125	1,597	1,621
Utah	18.1	71	22.2	74	20.7	73	21.2	73	491	683	698	715
Nev.	13.6	57	20.4	54	25.4	55	25.6	55	405	606	797	802
Pac.	**310.9**	**63**	**386.7**	**64**	**357.7**	**60**	**359.7**	**60**	**9,792**	**13,067**	**13,531**	**13,604**
Wash.	47.9	62	61.8	63	61.0	62	61.6	62	1,275	1,812	2,107	2,123
Oreg.	29.5	65	39.1	64	37.2	65	38.6	66	775	1,118	1,217	1,269
Calif.	220.1	64	271.0	65	245.3	58	245.3	58	7,310	9,619	9,588	9,589
Alaska	5.2	41	6.9	38	4.7	54	4.8	54	165	243	230	234
Hawaii	8.2	48	7.9	59	9.5	53	9.5	53	266	275	389	389

[1] Privately owned. [2] Based on 16,000 places having building permit systems.

Source: U.S. Bureau of the Census, *Construction Reports*, series C40, annual, and December issues.

No. 1374. Private Housing Starts, by Region, and Mobile Homes: 1970 to 1978

[**In thousands of units, except percent.** For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 157 and N 170]

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978
Private housing starts [1]	1,434	2,052	2,357	2,045	1,338	1,160	1,538	1,987	2,020
Single family	813	1,151	1,309	1,132	888	892	1,162	1,451	1,433
Condominiums [2]	(NA)	(NA)	(NA)	69	46	20	30	41	42
Northeast	113	145	170	155	119	112	127	156	147
North Central	166	238	256	269	225	222	294	337	325
South	377	526	612	478	367	366	464	588	604
West	157	242	272	230	176	192	277	370	358
Multifamily	621	901	1,047	913	450	268	375	536	587
Percent of total	43.3	43.9	44.4	44.6	33.6	33.0	24.4	27.0	29.1
Condominiums [2]	(NA)	(NA)	(NA)	172	130	45	64	77	113
Northeast	105	119	159	122	64	37	43	46	53
North Central	128	196	187	171	92	72	106	128	126
South	235	343	445	421	186	76	104	195	220
West	154	244	255	199	108	83	122	168	188
MOBILE HOMES [3]									
Shipments to dealers	401	497	576	567	329	213	246	277	276
Percent of total private starts and mobile homes	21.9	19.5	19.6	21.7	19.7	15.5	13.8	12.2	12.0
Percent of single-family private starts and mobile homes	33.0	30.1	30.5	33.4	27.0	19.3	17.5	16.0	16.1

NA Not available. [1] Includes farm housing. [2] Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of the building or community. Includes a small number of cooperatively owned units.

[3] A mobile home is a vehicular portable structure built on a chassis and designed to be used without a permanent foundation as a year-round dwelling when connected to utilities. The homes are defined as units more than 8 feet wide or 32 feet in length.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20. Mobile home shipments data provided by Manufactured Housing Institute, Arlington, Va., through 1977; for 1978, by the National Conference of States and Building Codes and Standards.

No. 1375. Percent of New Privately Owned Completed One-Family Houses with Various Characteristics: 1970 to 1978

[**Percent distribution, except total houses.** Data beginning 1975 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported. See also headnote, table 1397]

CHARACTERISTIC	1970	1975	1976	1977	1978
Total houses 1,000	793	875	1,034	1,258	1,369
Financing	100	100	100	100	100
Mortgage	84	82	85	86	86
FHA-insured	30	9	6	7	8
VA-guaranteed	7	8	8	8	7
Conventional	47	58	67	68	69
Farmers Home Admin.		7	5	4	3
Cash or equivalent	16	18	15	14	13
Floor area (sq. ft.)	100	100	100	100	100
Under 1,200	36	25	22	20	18
1,200–1,599	28	30	29	30	28
1,600–1,999	16	34	37	38	24
2,000–2,399	21				16
2,400 and over		11	12	13	14
Number of stories	100	100	100	100	100
1	74	65	63	63	61
2 or more	17	23	25	26	28
Split level	10	12	12	11	11
Bedrooms	100	100	100	100	100
2 or less	13	14	12	11	12
3	63	65	65	66	64
4 or more	24	21	23	23	24

CHARACTERISTIC	1970	1975	1976	1977	1978
Bathrooms	100	100	100	100	100
1 or less	32	24	20	17	15
1½	20	17	13	13	11
2	32	40	45	47	48
2½ or more	16	20	22	23	25
Foundation	100	100	100	100	100
Full or partial basement	37	45	45	44	42
Slab	36	35	36	38	40
Crawl space	27	20	19	18	18
Heating fuel	100	100	100	100	100
Electricity	28	49	48	50	52
Gas	62	40	39	38	37
Oil	8	9	11	9	8
Other	1	2	2	2	3
Central air condition.	100	100	100	100	100
With	34	46	49	54	58
Without	66	54	51	46	42
Parking facilities	100	100	100	100	100
Garage	58	67	72	73	74
Carport	17	9	8	7	7
No garage or carport	25	24	20	19	18

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

No. 1376. Estimates of the Housing Inventory: 1970 to 1977

[Minus sign (–) denotes decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

Tenure, race, and vacancy status	Total units, 1970		Total units, 1977		Percent average annual change, 1970–1977	New units constructed, 1970–1977 [1]		Units removed, 1973–1977 [2]	
	Number (1,000)	Percent	Number (1,000)	Percent		Number (1,000)	Percent	Number (1,000)	Percent
All housing units	**68,672**	**100.0**	**82,420**	**100.0**	**2.6**	**14,749**	**100.0**	**3,262**	**100.0**
All year-round units	67,699	98.6	80,716	97.9	2.5	14,559	98.7	3,235	99.2
Occupied units	63,445	92.4	75,280	91.3	2.5	13,597	92.2	2,660	81.5
Owner occupied [3]	39,886	58.1	48,765	59.2	2.9	9,305	63.1	1,108	34.0
White	37,005	53.9	44,762	54.3	2.8	8,664	58.7	986	30.2
Black	2,568	3.7	3,470	4.2	4.4	500	3.4	113	3.5
Renter occupied [3]	23,560	34.3	26,515	32.2	1.7	4,292	29.1	1,552	47.6
White	19,601	28.5	21,349	25.9	1.2	3,739	25.4	1,117	34.2
Black	3,607	5.3	4,486	5.4	3.2	470	3.2	400	12.3
Vacant year-round	4,254	6.2	5,436	6.6	3.6	962	6.5	575	17.6
For sale only	501	.7	596	.7	2.5	176	1.2	37	1.1
For rent	1,666	2.4	1,532	1.9	–1.2	247	1.7	169	5.2
Other vacant	2,087	3.0	3,308	4.0	6.8	540	3.7	369	11.3
Vacant or seasonal [4]	973	1.4	1,704	2.1	8.3	190	1.3	27	.8

[1] Apr. 1, 1970, to Oct. 31, 1977. [2] Removed between Oct. 1973 and Oct. 31, 1977, by demolition, disaster, or other means. [3] Includes races not shown separately. [4] Includes migratory.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H–150–77, Annual Housing Survey: 1977, part A, *General Housing Characteristics for the United States and Regions.*

No. 1377. Housing Units—Summary of Characteristics: 1960 to 1977

[**In thousands, except as indicated.** Refers to 243 standard metropolitan statistical areas (SMSA's) as defined in 1970 census reports. For definition of SMSA, see text, Appendix II. For information on methodology, see Appendix III. For definition of median, see Guide to Tabular Presentation]

Characteristic	1960	1970				1977			
		Total	Inside SMSA's		Outside SMSA's	Total	Inside SMSA's		Outside SMSA's
			Total	In central cities			Total	In central cities	
All housing units	**58,326**	**68,672**	**46,289**	**22,608**	**22,383**	**82,420**	**54,897**	**24,860**	**27,523**
All year-round units	56,584	67,699	46,083	22,584	21,616	80,716	54,552	24,797	26,164
Occupied units	53,024	63,445	43,859	21,395	19,586	75,280	51,314	23,151	23,966
Owner occupied	32,797	39,886	26,090	10,300	13,796	48,765	31,286	11,346	17,479
Percent of all occupied	61.9	62.9	59.5	48.1	70.4	64.8	61.0	49.0	72.9
Renter occupied	20,227	23,560	17,769	11,095	5,790	26,515	20,028	11,805	6,487
Vacant year-round	3,560	4,254	2,224	1,189	2,030	5,436	3,238	1,646	2,198
For sale only	522	501	298	130	203	596	375	165	221
Homeowner vacancy rate	1.6	1.2	1.1	1.2	1.5	1.2	1.2	1.4	1.2
For rent	1,453	1,666	1,142	745	524	1,532	1,130	687	401
Rental vacancy rate	6.7	6.6	6.0	6.3	8.3	5.4	5.3	5.4	5.7
Other vacant	1,084	2,087	784	314	1,303	3,308	1,733	794	1,576
Vacant, seasonal and migratory	1,742	973	206	24	766	1,704	345	63	1,359
Urban	40,764	50,145	(NA)	(NA)	(NA)	57,350	47,133	(NA)	10,216
Rural	17,562	18,527	(NA)	(NA)	(NA)	25,071	7,764	(X)	17,307
Cooperatives and condominiums:									
Owner occupied	(NA)	(NA)	(NA)	(NA)	(NA)	1,009	917	390	92
Cooperatives	(NA)	(NA)	(NA)	(NA)	(NA)	344	309	212	35
Condominiums	(NA)	(NA)	(NA)	(NA)	(NA)	665	608	178	56
Vacant for sale only	(NA)	(NA)	(NA)	(NA)	(NA)	64	55	25	8
Units in structure [1]—									
1-unit	43,758	46,791	29,033	11,430	17,758	54,333	33,553	12,263	20,780
Percent of total units	77.3	69.1	63.0	50.6	82.2	67.3	61.5	49.5	79.4
2–4 units	7,552	9,007	7,184	4,753	1,823	10,419	8,291	5,207	2,127
5 or more units	6,238	9,829	8,934	6,225	895	12,271	11,096	7,089	1,174
Mobile home or trailer	767	2,073	933	176	1,140	3,693	1,611	238	2,082
Year structure built: [1]									
April 1970 or later	(X)	(X)	(X)	(X)	(X)	14,559	9,475	2,934	5,084
1960–March 1970	(X)	16,956	11,849	4,172	5,106	17,452	12,166	4,397	5,285
1950–1959	16,046	14,499	10,708	4,304	3,791	13,767	10,016	3,919	3,751
1940–1949	8,640	8,786	6,147	14,108	2,639	7,993	5,460	2,700	2,533
1939 or earlier	33,632	27,458	17,378		10,080	26,945	17,434	10,848	9,511
Percent built prior to 1940	57.7	40.6	37.7	(NA)	46.6	33.4	32.0	43.7	36.4

See footnotes at end of table.

No. 1377. Housing Units—Summary of Characteristics: 1960 to 1977—Continued

[In thousands, except as indicated. See headnote, p. 782]

Characteristic	1960	1970				1977			
		Total	Inside SMSA's		Outside SMSA's	Total	Inside SMSA's		Outside SMSA's
			Total	In central cities			Total	In central cities	
Units with [1]—									
1-3 rooms	11,400	11,028	8,305	5,461	2,725	12,220	9,351	5,938	2,868
4 rooms	12,435	14,113	9,230	4,904	4,883	16,192	10,786	5,198	5,406
5 rooms	14,323	16,998	11,233	5,286	5,765	19,363	12,447	5,506	6,916
6 rooms	11,141	13,609	9,271	4,078	4,338	16,325	10,860	4,583	5,465
7 or more rooms	9,020	11,950	8,044	2,856	3,906	16,615	11,107	3,572	5,508
Median number of rooms	4.9	5.0	5.0	4.7	5.1	5.1	5.1	4.7	5.2
Persons per unit (median):									
Owner occupied	3.1	3.0	3.1	2.8	2.7	2.8	2.8	2.6	2.6
Renter occupied	2.6	2.3	2.2	2.1	2.6	2.0	2.0	1.9	2.2
Units lacking some or all plumbing facilities [1]	7,699	4,398	1,494	716	2,904	2,542	916	500	1,625
Percent	13.2	6.5	3.2	3.2	13.4	3.1	1.7	2.0	6.2
Percent of units with—									
Telephone [2]	78.5	87.0	89.1	86.5	82.2	90.8	92.1	89.4	88.0
Air conditioning [1]	12.4	36.7	39.7	38.2	30.0	51.6	54.0	49.9	46.7
Central system [1]	1.9	10.7	12.3	11.0	7.5	22.4	24.2	20.1	18.6
One or more automobiles [2]	78.4	82.5	81.4	71.6	85.0	84.0	83.0	73.4	86.1
Public sewer [1]	(NA)	70.2	82.1	96.2	47.9	73.1	84.5	97.5	49.4
Public or prvt. co. water [1]	(NA)	81.7	91.0	99.0	61.7	83.4	91.9	99.2	65.7
Basement [1]	54.0	50.9	55.5	58.3	41.1	47.4	51.5	55.0	38.9
Second home owner [2]	(NA)	4.6	4.5	4.2	4.7	4.1	4.1	3.3	4.1
Percent of units with [3]—									
Storm windows or other protective covering [4]	(NA)	(NA)	(NA)	(NA)	(NA)	59.1	57.7	51.2	61.4
Storm doors [4]	(NA)	(NA)	(NA)	(NA)	(NA)	61.3	60.3	56.3	62.9
Attic or roof insulation	(NA)	(NA)	(NA)	(NA)	(NA)	77.3	78.6	71.6	75.4

NA Not available. X Not applicable. [1] For 1960, all housing units, based on a complete count, but tabulated on a 20-percent sample basis. For 1970 and 1977, all year-round units. [2] Occupied housing units. [3] Covers only occupied 1-family homes and mobile homes and trailers. [4] Some or all covered.

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1960*, vol. I, and *Current Housing Reports*, series H-150-77, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*.

No. 1378. Housing Units, by Geographic Regions: 1960 to 1977

[In thousands, except percent. See headnote, table 1377. For composition of regions, see fig. I, inside front cover]

Year and location	Total					Percent distribution				
	U.S.	Northeast	North Central	South	West	U.S.	Northeast	North Central	South	West
1960, total	**58,326**	**14,798**	**16,798**	**17,173**	**9,558**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Inside SMSA's	38,633	11,834	10,514	9,052	7,233	66.2	80.0	62.6	52.7	75.7
Central cities	20,440	6,005	5,695	5,208	3,531	35.0	40.6	33.9	30.3	36.9
Not in central cities	18,193	5,829	4,818	3,844	3,701	31.2	39.4	28.7	22.4	38.7
Outside SMSA's	19,693	2,964	6,284	8,121	2,325	33.8	20.0	37.4	47.3	24.3
1970, total	**68,672**	**16,642**	**18,971**	**21,030**	**12,029**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Inside SMSA's	46,289	13,036	12,206	11,651	9,395	67.4	78.3	64.3	55.4	78.1
Central cities	22,608	6,212	5,978	6,166	4,252	32.9	37.3	31.5	29.3	35.3
Not in central cities	23,681	6,824	6,228	5,486	5,143	34.5	41.0	32.8	26.1	42.8
Outside SMSA's	22,383	3,606	6,765	9,379	2,634	32.6	21.7	35.7	44.6	21.9
1975, total	**79,087**	**18,053**	**21,035**	**25,364**	**14,635**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Inside SMSA's	53,031	13,873	13,503	14,221	11,434	67.1	76.8	64.2	56.1	78.1
Central cities	24,245	6,226	6,107	6,975	4,937	30.7	34.5	29.0	27.5	33.7
Not in central cities	28,785	7,647	7,395	7,247	6,497	36.4	42.4	35.2	28.6	44.4
Outside SMSA's	26,057	4,180	7,532	11,143	3,201	32.9	23.2	35.8	43.9	21.9
1977, total	**82,420**	**18,387**	**21,622**	**26,816**	**15,594**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Inside SMSA's	54,897	14,050	13,784	14,917	12,146	66.6	76.4	63.7	55.6	77.9
Central cities	24,860	6,299	6,119	7,271	5,171	30.2	34.3	28.3	27.1	33.2
Not in central cities	30,037	7,751	7,665	7,646	6,975	36.4	42.2	35.5	28.5	44.7
Outside SMSA's	27,523	4,337	7,839	11,899	3,448	33.4	23.6	36.3	44.4	22.1

Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. I; and *Current Housing Reports*, series H-150-77, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*.

No. 1379. Year-Round Housing Units—Tenure and Race, Inside and Outside SMSA's: 1960 to 1977

[In thousands. See headnote, table 1377]

Item	Total	Owner occupied			Renter occupied			Vacant year-round	
		Total	Black	White and other	Total	Black	White and other	Total	For rent
1960, total	**56,551**	**32,795**	**1,811**	**30,984**	**20,226**	**2,979**	**17,246**	**3,531**	**1,592**
Lacking some or all plumbing	8,992	3,470	644	2,826	4,315	1,363	2,952	1,208	469
Inside SMSA's	37,939	21,311	1,186	20,125	14,556	2,182	12,374	2,072	1,088
In central cities	20,147	9,141	852	8,289	9,942	1,862	8,080	1,064	720
Outside central cities	17,792	12,170	334	11,836	4,614	320	4,295	1,008	368
Outside SMSA's	18,612	11,484	625	10,858	5,670	797	4,872	1,459	504
1970, total	**67,699**	**39,886**	**2,568**	**37,319**	**23,560**	**3,607**	**19,953**	**4,254**	**1,666**
Lacking some or all plumbing	4,672	1,809	386	1,423	1,963	656	1,308	900	236
Inside SMSA's	46,083	26,090	1,825	24,265	17,769	2,913	14,856	2,224	1,142
In central cities	22,584	10,300	1,335	8,965	11,095	2,498	8,597	1,189	745
Outside central cities	23,499	15,790	490	15,300	6,674	416	6,259	1,035	397
Outside SMSA's	21,616	13,796	742	13,054	5,790	693	5,097	2,030	524
1977, total	**80,716**	**48,765**	**3,470**	**45,295**	**26,515**	**4,486**	**22,029**	**5,436**	**1,532**
Lacking some or all plumbing	2,542	685	182	503	1,120	407	713	737	153
Inside SMSA's	54,552	31,286	2,442	28,844	20,028	3,735	16,293	3,238	1,130
In central cities	24,797	11,346	1,713	9,633	11,805	3,009	8,796	1,646	687
Outside central cities	29,755	19,940	729	19,211	8,223	726	7,497	1,592	443
Outside SMSA's	26,164	17,479	1,028	16,451	6,487	751	5,736	2,198	401

Source: U.S. Bureau of the Census, *Census of Housing, 1970*, vol. VI and *Current Housing Reports*, series H-150, Annual Housing Survey: 1977, part A, *General Housing Characteristics for the United States and Regions*.

No. 1380. Housing Units—Selected Characteristics, by States: 1970

Region and state	All year-round units (1,000)	Occupied units (1,000)	Percent— Owner occupied	With all plumbing[1]	With 1.01 or more persons per room[2]
U.S.	**67,657**	**63,450**	**62.9**	**94.0**	**7.0**
N.E.	**3,844**	**3,645**	**60.9**	**96.0**	**5.8**
Maine	337	303	70.1	87.7	5.7
N.H.	247	225	68.2	94.6	6.0
Vt.	149	132	69.1	94.1	5.7
Mass.	1,836	1,760	57.5	96.7	5.8
R.I.	306	292	57.9	97.2	5.8
Conn.	968	933	62.5	97.5	6.0
M.A.	**12,331**	**11,837**	**56.6**	**96.8**	**6.3**
N.Y.	6,152	5,914	47.3	97.2	7.3
N.J.	2,303	2,218	60.9	97.7	5.9
Pa.	3,876	3,705	68.8	95.6	5.1
E.N.C.	**13,108**	**12,383**	**67.5**	**95.7**	**6.9**
Ohio	3,447	3,289	67.7	95.5	6.0
Ind.	1,712	1,609	71.7	94.5	7.3
Ill.	3,693	3,502	59.4	95.9	7.4
Mich.	2,842	2,653	74.4	96.8	7.3
Wis.	1,414	1,329	69.1	94.5	6.7
W.N.C.	**5,559**	**5,154**	**69.3**	**93.5**	**6.4**
Minn.	1,219	1,154	71.5	93.5	6.8
Iowa	955	896	71.7	93.9	5.4
Mo.	1,664	1,521	67.2	92.3	7.0
N. Dak.	200	182	68.4	89.9	7.9
S. Dak.	222	201	69.6	90.0	7.2
Nebr.	512	474	66.4	95.6	5.9
Kans.	787	727	69.1	95.8	5.6
S.A.	**10,142**	**9,438**	**63.5**	**90.0**	**6.8**
Del.	175	165	68.0	95.5	4.8
Md.	1,235	1,175	58.8	95.9	5.9
D.C.	278	263	28.2	97.9	11.9
S.A.—Con.					
Va.	1,484	1,391	62.0	87.9	5.2
W. Va.	592	547	68.9	83.7	5.6
N.C.	1,618	1,510	65.4	85.6	6.5
S.C.	805	734	66.1	82.6	7.1
Ga.	1,466	1,369	61.1	87.7	7.3
Fla.	2,489	2,285	68.6	95.1	7.9
E.S.C.	**4,169**	**3,868**	**66.7**	**83.0**	**6.9**
Ky.	1,060	984	66.9	81.1	6.5
Tenn.	1,297	1,213	66.7	86.4	6.7
Ala.	1,115	1,034	66.7	84.3	6.7
Miss.	697	637	66.3	77.3	7.9
W.S.C.	**6,565**	**5,952**	**65.3**	**91.8**	**9.0**
Ark.	673	615	66.7	83.2	6.8
La.	1,146	1,052	63.1	89.4	11.3
Okla.	938	851	69.2	94.0	6.2
Tex.	3,808	3,432	64.7	93.5	9.4
Mt.	**2,718**	**2,518**	**65.5**	**95.5**	**8.8**
Mont.	240	217	65.7	93.4	8.5
Idaho	238	219	70.1	96.2	8.6
Wyo.	114	105	66.4	95.8	8.1
Colo.	742	691	63.4	96.4	6.4
N. Mex.	322	289	66.4	91.1	11.3
Ariz.	578	539	65.3	95.3	10.4
Utah	312	298	69.3	97.9	10.2
Nev.	172	160	58.5	97.3	8.4
Pac.	**9,220**	**8,653**	**57.1**	**97.9**	**7.5**
Wash.	1,204	1,106	66.8	97.4	5.2
Oreg.	735	692	66.1	97.0	5.3
Calif.	6,977	6,574	54.9	98.3	7.7
Alaska	88	79	50.3	86.2	12.2
Hawaii	216	203	46.9	94.7	18.6

[1] Includes hot and cold piped water, as well as a flush toilet and bathtub or shower inside the structure for exclusive use of the people in the unit. [2] For units with all plumbing facilities.

Source: U.S. Bureau of the Census, *Census of Housing, 1970*, vol. I.

No. 1381. Occupied Housing Units—Tenure, and Population Per Occupied Unit, by Race of Household Head and by Residence: 1920 to 1977

[**In thousands, except as indicated.** Prior to 1960, excludes Alaska and Hawaii. Tenure allocated for housing units which did not report. Minus sign (—) denotes decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series N 238-245]

Year, race, and residence	Occupied units [1]					Average annual percent change [2]		Population per occupied unit [4]
	Total	Owner occupied		Renter occupied		Total occupied units	Total population [3]	
		Number	Percent	Number	Percent			
TOTAL								
1920	24,352	11,114	45.6	13,238	54.4	1.9	1.4	4.3
1930	29,905	14,280	47.8	15,624	52.2	2.1	1.5	4.1
1940	34,855	15,196	43.6	19,659	56.4	1.5	.7	3.8
1950	42,826	23,560	55.0	19,266	45.0	2.1	1.4	3.4
1960	53,024	32,797	61.9	20,227	38.1	2.2	1.7	3.3
1970	63,445	39,886	62.9	23,560	37.1	1.8	1.2	3.1
1975	72,523	46,867	64.6	25,656	35.4	2.7	.9	(NA)
1976	74,005	47,904	64.7	26,101	35.3	2.0	.8	(NA)
1977	75,280	48,765	64.8	26,515	35.2	1.7	.7	(NA)
RACE								
White:								
1920	21,826	10,511	48.2	11,315	51.8	(NA)	1.5	4.3
1930	26,983	13,544	50.2	13,439	49.8	2.1	1.5	4.1
1940	31,561	14,418	45.7	17,143	54.3	1.6	.7	3.7
1950	39,044	22,241	57.0	16,803	43.0	2.2	1.3	3.3
1960	47,880	30,823	64.4	17,057	35.6	2.1	1.6	3.2
1970	56,529	36,979	65.4	19,551	34.6	1.7	1.2	3.1
1975	63,860	43,072	67.4	20,788	32.6	2.5	.8	(NA)
1976	65,114	44,024	67.6	21,090	32.4	2.0	.6	(NA)
1977	66,111	44,762	67.7	21,349	32.3	1.5	.6	(NA)
Black and other:								
1920	2,526	603	23.9	1,923	76.1	(NA)	.6	4.3
1930	2,922	737	25.2	2,185	74.8	1.5	1.4	4.3
1940	3,293	778	23.6	2,516	76.4	1.2	.7	4.1
1950	3,783	1,319	34.9	2,464	65.1	1.4	1.6	3.9
1960	5,144	1,974	38.4	3,171	61.6	3.1	2.4	3.9
1970	6,920	2,907	42.0	4,014	58.0	3.0	2.3	3.5
1975	8,663	3,795	43.8	4,868	56.2	4.6	2.1	(NA)
1976	8,891	3,880	43.6	5,011	56.4	2.6	2.0	(NA)
1977	9,169	4,003	43.7	5,166	56.3	3.1	1.8	(NA)
RESIDENCE								
Nonfarm:								
1920	17,600	7,189	40.8	10,411	59.2	2.2	(NA)	4.2
1930	23,300	10,721	46.0	12,579	54.0	2.8	2.3	4.0
1940	27,748	11,413	41.1	16,335	58.9	1.8	.9	3.7
1950	37,105	19,802	53.4	17,304	46.6	2.9	2.4	3.3
1960 [5]	49,458	30,164	61.0	19,294	39.1	2.9	2.5	3.3
1970 [5]	60,351	37,393	62.0	22,957	38.0	2.0	1.7	3.1
1975 [5]	69,880	44,714	64.0	25,166	36.0	3.0	(NA)	(NA)
1976 [5]	71,335	45,711	64.1	25,624	35.9	2.1	(NA)	(NA)
Farm:								
1920 [6]	6,751	3,925	58.1	2,827	41.9	1.0	(NA)	4.7
1930	6,605	3,560	53.9	3,045	46.1	—.2	—.5	4.6
1940	7,107	3,783	53.2	3,324	46.8	.7	(Z)	4.3
1950	5,721	3,758	65.7	1,963	34.3	—2.1	—2.8	4.0
1960 [5]	3,566	2,633	73.8	933	26.2	—4.6	—3.8	3.8
1970 [5]	3,095	2,492	80.5	603	19.5	—1.4	—4.7	3.4
1975 [5]	2,644	2,154	81.5	490	18.5	—3.1	(NA)	(NA)
1976 [5]	2,670	2,193	82.1	477	17.9	1.0	(NA)	(NA)

NA Not available. Z Less than .05 percent.

[1] Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960, 1970, 1975, 1976, and 1977. For 1920, includes the small number of quasi-families; for 1930, represents private families only.

[2] For 1920, change from 1910.

[3] Total resident population; see tables 1, 2, and 27.

[4] From 1950 to 1970, population in occupied housing units was determined by dividing population in housing units by number of occupied housing units. Population data exclude persons in institutions and other group quarters (see table 74).

[5] Not comparable with data for earlier censuses because of a basic change in definition of farm residence. For definitions used in 1960 and 1970, see text, p. 680.

[6] Includes a small proportion of urban-farm families in addition to rural-farm.

Source: U.S. Bureau of the Census, *Census of Population and Housing: 1960* and *1970;* and *Current Housing Reports*, series H-150, Annual Housing Survey, part A, *General Characteristics for the United States and Regions.*

No. 1382. Occupied Housing Units—Percent of Home Ownership, by Race of Household Head, Inside and Outside SMSA's, by Region: 1960 to 1977

[See headnote, table 1377]

Year and region	Total		Inside SMSA's						Outside SMSA's	
			Total		In central cities		SMSA remainder			
	White	Black [1]	White	Black [1]	White	Black [1]	White	Black [1]	White	Black [1]
1960: United States	64.4	38.4	62.1	35.7	51.1	31.7	73.4	51.6	69.0	44.8
Northeast	58.1	27.0	55.5	26.4	37.5	22.3	72.6	46.7	70.0	42.0
North Central	69.1	35.8	67.3	34.2	56.0	31.4	79.2	56.5	72.0	54.3
South	66.4	41.6	65.9	39.7	60.5	35.9	72.3	51.3	67.1	43.6
West	62.5	44.6	61.6	42.5	55.0	38.4	67.7	54.0	65.5	54.6
1970: United States	65.4	41.6	62.3	38.5	51.3	34.8	71.1	54.1	72.1	51.7
Northeast	60.4	28.6	57.4	28.1	38.8	24.2	71.7	47.3	72.1	42.6
North Central	70.2	42.0	67.8	41.3	56.5	38.9	76.5	58.8	74.4	56.3
South	68.2	46.9	65.3	43.4	59.5	39.1	70.7	57.3	71.9	52.0
West	60.2	40.1	58.6	40.0	52.0	36.6	63.6	49.6	66.1	42.1
1977: United States	67.7	43.6	64.4	39.5	53.1	36.3	72.1	50.1	74.3	57.8
Northeast	62.7	29.6	59.7	28.8	40.6	24.9	72.0	43.3	73.2	43.0
North Central	71.8	43.8	70.0	43.0	58.9	40.4	76.9	57.6	74.8	56.4
South	70.7	48.9	66.3	42.7	58.1	38.9	72.6	52.7	76.0	58.9
West	63.1	42.2	61.5	41.9	54.8	41.3	66.0	42.9	68.7	48.5

[1] For 1960, represents Black and other races.

Source: U.S. Bureau of the Census, Census of Population and Housing: 1970, PHC(2), *General Demographic Trends for Metropolitan Areas, 1960 to 1970;* and *Current Housing Reports*, series H-150-77, Annual Housing Survey: 1977, part A.

No. 1383. Occupied Housing Units—Financial Summary: 1970 and 1977

[**In thousands, except as indicated.** See headnote, table 1377. For definition of median, see Guide to Tabular Presentation]

Characteristic	1970					1977				
	Total	Inside SMSA's			Outside SMSA's	Total	Inside SMSA's			Outside SMSA's
		Total	In central cities	Not in central cities			Total	In central cities	Not in central cities	
Occupied units, total	63,445	43,859	21,395	22,464	19,586	75,280	51,314	23,151	28,163	23,966
Median income (dol.):										
Owner occupied units	9,700	11,000	10,100	11,600	7,500	16,000	17,800	15,900	18,800	12,900
Renter occupied units	6,300	6,700	6,100	7,700	5,300	8,800	9,200	8,100	10,600	7,700
Specified owner occupied [1]	31,726	22,059	8,543	13,516	9,667	38,754	26,240	9,514	16,726	12,514
With value of—										
Less than $20,000	19,556	11,963	5,608	6,356	7,594	6,457	3,170	1,878	1,293	3,286
$20,000–$24,999	4,680	3,740	1,214	2,526	940	3,277	1,875	958	917	1,402
$25,000–$34,999	4,444	3,709	1,044	2,665	736	8,036	5,228	2,122	3,105	2,808
$35,000–$49,999	2,050	1,760	444	1,316	289	10,122	7,208	2,327	4,881	2,914
$50,000 and over	997	887	234	653	110	10,862	8,757	2,228	6,528	2,105
Median—										
Value ... dol.	17,100	19,000	16,400	20,800	12,200	36,900	39,900	34,000	44,000	30,400
Real estate taxes [2] ... dol.	(NA)	(NA)	(NA)	(NA)	(NA)	459	594	466	672	238
Monthly housing costs for units [3]—										
With mortgages ... dol.	(NA)	(NA)	(NA)	(NA)	(NA)	283	297	265	317	245
Owned clear ... dol.	(NA)	(NA)	(NA)	(NA)	(NA)	102	114	103	124	84
Specified renter occupied [4]	22,334	17,433	11,033	6,401	4,900	25,815	19,893	11,805	8,088	5,922
With gross rent of—										
Less than $80	5,466	3,499	2,619	879	1,968	1,992	1,228	920	309	765
$80–$99	3,701	2,879	2,099	779	822	1,207	764	543	221	443
$100–$119	3,332	2,739	1,845	894	592	1,587	1,067	808	259	521
$120–$149	3,772	3,283	1,967	1,316	485	3,054	2,154	1,560	594	900
$150–$199	3,304	2,986	1,525	1,461	318	6,348	5,030	3,228	1,802	1,318
$200–$299	1,194	1,110	547	563	84	7,807	6,774	3,451	3,323	1,033
$300 and over	265	254	145	108	12	2,511	2,242	1,009	1,233	269
No cash rent	1,300	685	284	400	615	1,308	635	287	348	674
Median rent ... dol.	108	114	107	130	84	184	193	179	216	149

NA Not available. [1] Includes only 1-family homes on less than 10 acres and no business on the property. [2] Taxes paid previous year. [3] Covers real estate taxes, property insurance, utilities, fuel, water, garbage and trash collection, and mortgage. [4] Excludes 1-family homes on 10 acres or more.

Source: U.S. Bureau of the Census, *Current Housing Reports*, H-150-77, Annual Housing Survey: 1977, part A, *General Housing Characteristics for the United States and Regions.*

No. 1384. Selected Characteristics of Occupied Units: 1960 to 1978

[**Percent distribution.** Annual averages]

Characteristic	1960 [1]			1970			1977			1978		
	Total occupied	Owner occupied	Renter occupied	Total occupied	Owner occupied	Renter occupied	Total occupied	Owner occupied	Renter occupied	Total occupied	Owner occupied	Renter occupied
Rooms in unit:												
1-2 rooms	6	23	14	4	17	10	3	14	10	5	15	12
3-4 rooms	32		51	28		51	29		55	28		55
5 rooms	26	29	19	26	28	21	25	28	19	23	25	18
6 rooms	20	26	10	22	27	11	21	27	10	21	27	9
7 rooms or more	16	22	6	20	28	7	22	31	6	23	33	6
Units in structure:												
1 unit	76	94	48	74	94	38	73	95	34	72	94	32
2-4 units	13	6	25	14	6	29	12	5	26	14	6	29
5-9 units	11		9	4		11	5		13	4		12
10 units or more			18	8		22	10		27	10		27
With all plumbing facilities	84	89	77	95	97	91	97	98	95	97	99	96
Year structure built:												
1965 or later	(X)	(X)	(X)	12	13	9	27	28	26	28	31	24
1960-1964	(X)	(X)	(X)	12	13	10	9	10	7	8	9	7
1950-1959	27	34	16	19	24	12	19	22	14	19	21	14
1940-1949	15	16	13	14	14	13	11	10	11	11	10	12
1939 or earlier	58	50	71	43	36	56	34	30	42	34	29	43

X Not applicable. [1] As of April 1.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

No. 1385. Characteristics of Homeowners and Renters, by Income: 1977

[Income data refer to the 12 months prior to interviews, which were conducted between October and December]

Characteristic	Owner occupied units with income of—				Renter occupied units with income of—			
	Under $10,000	$10,000 to $14,999	$15,000 to $24,999	$25,000 and over	Under $10,000	$10,000 to $14,999	$15,000 to $24,999	$25,000 and over
Occupied units, total 1,000	**14,266**	**8,571**	**14,498**	**11,431**	**14,954**	**5,328**	**4,629**	**1,603**
	Percent							
Male head, wife present, no relatives	49.1	74.5	85.9	91.3	26.7	50.7	63.1	70.6
Female head (2 or more persons)	14.0	10.6	5.7	2.7	24.3	11.9	8.0	4.4
One-person household	33.4	10.6	5.0	2.4	42.0	29.2	21.5	17.7
Household head 65 years and over	50.5	18.8	8.0	5.7	25.2	6.2	4.3	6.9
Own children under 18 years	21.4	46.1	56.3	54.1	31.0	38.2	38.2	35.2
Lacking some or all plumbing facilities	3.9	.9	.3	.1	6.4	2.0	1.0	.5
With 1.01 persons or more per room	2.8	4.7	3.6	2.7	6.8	6.5	4.7	3.9
Built 1960 or later	30.7	39.4	45.8	52.7	31.0	40.0	45.1	55.8
With units inside SMSA's [1]	53.9	59.3	67.4	76.5	72.8	76.8	80.7	81.9
In central cities	23.5	23.1	23.2	23.2	47.1	42.6	40.4	39.1
Owned second home	2.9	3.5	4.8	8.8	1.4	2.4	3.5	9.7
With air-conditioning [2]	47.5	56.3	60.8	67.5	35.7	50.4	59.8	67.1

[1] For definition, see text, Appendix II. [2] Covers room units and central systems.

No. 1386. Occupied Units—Selected Structural Deficiencies, by Residence: 1977

[Data based on respondent's opinion of his/her unit. See headnote, table 1377]

Item	U.S. total	Total in SMSA's	In central cities of SMSA's	Not in central cities of SMSA's	Outside SMSA's	Northeast	North Central	South	West
Occupied units, total 1,000	**75,280**	**51,314**	**23,151**	**28,163**	**23,966**	**16,637**	**19,856**	**24,379**	**14,407**
Percent of units with—									
Some or all wiring exposed	1.3	.9	1.0	.8	2.3	1.1	1.1	1.8	1.2
Signs of water leakage in roof	6.0	5.5	6.3	4.8	7.1	6.5	5.2	7.1	4.8
Signs of water leakage in basement	10.8	10.3	9.1	11.4	11.8	18.8	16.9	5.0	3.1
Cracks or holes in walls	5.2	5.1	7.2	3.5	5.2	6.4	4.4	5.6	4.0
Broken plaster	3.3	3.3	4.9	2.0	3.3	4.4	3.5	3.2	1.9
Peeling paint	4.1	4.2	6.0	2.7	3.9	5.7	4.0	4.0	2.6
Holes in floor	1.8	1.5	2.2	1.0	2.2	1.7	1.1	2.7	1.1

Source of tables 1385 and 1386: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-77, Annual Housing Survey: 1977, part B and part C.

No. 1387. Heating Equipment and Fuels for Occupied Units: 1950 to 1977

[In thousands, except percent]

ITEM	1950	1960	1970	1975	1977	PERCENT DISTRIBUTION 1950	1960	1970	1975	1977
Occupied units, total	42,826	53,024	63,445	72,523	75,280	100.0	100.0	100.0	100.0	100.0
Warm air furnace	[1] 11,508	17,378	27,515	36,999	40,045	26.9	32.8	43.4	51.0	53.2
Steam or hot water	10,071	11,990	13,211	13,792	13,609	23.5	22.6	20.8	19.0	18.1
Floor, wall, or pipeless furnace	(1)	6,088	5,552	6,580	6,172	(1)	11.5	8.8	9.1	8.2
Built-in electric units	–	664	3,236	4,625	4,905	–	1.3	5.1	6.4	6.5
Room heaters with flue	[2] 15,399	[2] 11,183	7,209	4,747	4,239	36.0	21.1	11.4	6.5	5.6
Room heaters without flue	5,268	5,218	3,558	3,330	3,314	12.3	9.8	5.6	4.6	4.4
Fireplaces, stoves, or heaters[3]	(2)	(2)	2,766	1,982	2,490	(2)	(2)	4.4	2.7	3.3
None	581	503	398	468	507	1.4	.9	.6	.6	.7
House heating fuel:										
Utility gas	11,387	22,851	35,014	40,933	41,543	26.6	43.1	55.2	56.4	55.2
Fuel oil, kerosene, etc	9,686	17,158	16,473	16,299	16,060	22.6	32.4	26.0	22.5	21.3
Electricity	283	933	4,876	9,173	11,146	.7	1.8	7.7	12.6	14.8
Bottled, tank, or LP gas	787	2,686	3,807	4,146	4,182	1.8	5.1	6.0	5.7	5.6
Wood and other fuel	4,855	2,460	1,060	930	1,389	11.3	4.6	1.7	1.3	1.8
Coal or coke	14,828	6,456	1,821	573	454	34.6	12.2	2.9	.8	.6
None	999	478	395	468	507	2.3	.9	.6	.6	.7
Cooking fuel:										
Utility gas	22,084	27,296	31,244	32,493	32,207	51.6	51.5	49.2	44.8	42.8
Electricity	6,403	16,351	25,768	33,944	37,042	15.0	30.8	40.6	46.8	49.2
Bottled, tank, or LP gas	3,417	6,491	5,314	5,440	5,503	8.0	12.2	8.4	7.5	7.3
Other fuel	10,796	2,603	908	332	262	25.2	4.9	1.4	.5	.3
None	124	280	213	315	266	.3	.5	.3	.4	.4

– Represents zero. [1] "Floor, wall, or pipeless furnace" included in "Warm air furnace."
[2] "Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." [3] Portable heaters.

Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. I, No. 1; *Census of Housing, 1970*, vol. I; and *Current Housing Reports*, series H-150, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*.

No. 1388. Selected Electrical Appliances—Number and Percent of Homes With Appliances: 1960 to 1978

[As of **December 31.** Percentages based on total number of homes wired for electricity]

ITEM	HOMES WITH APPLIANCES (mil.) 1960	1965	1970	1975	1977	1978	PERCENT WITH APPLIANCES 1960	1965	1970	1975	1977	1978
Number of wired homes	51.7	57.6	64.0	72.7	75.8	77.8	(X)	(X)	(X)	(X)	(X)	(X)
Air-conditioners, room	7.8	13.9	26.0	38.4	41.9	43.1	15.1	24.2	40.6	52.8	55.3	55.4
Bed coverings	12.2	20.0	31.7	41.4	45.4	48.1	23.6	34.7	49.5	57.0	59.9	61.8
Blenders	4.2	7.5	23.4	32.9	37.9	39.9	8.0	13.0	36.5	45.2	50.0	51.2
Can openers	2.5	14.2	29.1	39.7	43.9	47.3	4.8	24.7	45.5	54.6	57.9	60.7
Coffeemakers	30.2	41.3	56.7	71.0	75.6	77.7	58.3	71.7	88.6	97.7	99.7	99.8
Dishwashers	3.7	7.8	17.0	27.9	31.0	32.6	7.1	13.5	26.5	38.3	40.9	41.9
Disposers, food waste	5.4	7.8	16.3	28.2	32.4	33.4	10.5	13.6	25.5	38.8	42.8	42.9
Dryers, clothes (incl. gas)	10.1	15.2	28.6	42.0	44.9	46.9	19.6	26.4	44.6	57.7	59.3	60.3
Freezers, home	12.1	15.7	20.0	31.6	33.9	34.9	23.4	27.2	31.2	43.5	44.8	44.9
Frypans	22.5	28.3	36.0	45.8	48.8	53.2	43.4	49.2	56.2	63.0	64.4	68.3
Hotplates and buffet ranges	12.5	13.1	15.7	19.1	20.2	20.4	24.2	22.7	24.5	26.2	26.7	26.3
Irons, total	45.7	57.1	63.8	72.6	75.8	77.8	88.4	99.1	99.7	99.9	99.9	99.9
Steam and steam/spray	30.6	43.5	56.5	70.7	74.8	76.7	59.2	75.5	88.2	97.2	98.6	98.6
Microwave ovens	(NA)	(NA)	(NA)	2.3	5.0	5.5	(NA)	(NA)	(NA)	3.2	6.7	7.1
Mixers	29.0	41.9	52.8	65.6	70.1	71.8	56.0	72.8	82.4	90.2	92.4	92.2
Radios	50.3	57.3	63.9	72.6	75.8	77.8	[1] 94.3	[1] 99.5	99.8	99.9	99.9	99.9
Ranges: Free-standing	16.0	18.5	25.9	35.8	39.2	39.5	30.9	32.1	40.5	49.2	51.8	50.8
Built-in	3.3	5.9	9.6	14.0	15.2	15.4	6.4	10.3	15.0	19.3	20.1	19.8
Refrigerators	50.8	57.3	68.9	72.6	75.8	77.6	98.2	99.5	99.8	99.9	99.9	99.7
Television: Black and white	46.2	55.9	63.2	72.6	75.8	77.8	89.4	97.1	98.7	99.9	99.9	99.9
Color	(NA)	5.5	27.2	54.1	61.7	66.3	(NA)	9.5	42.5	74.4	81.3	85.2
Toasters	37.2	48.1	59.3	71.7	75.8	77.8	72.0	83.6	92.6	98.6	99.9	99.9
Vacuum cleaners	38.4	48.1	58.9	72.1	75.8	77.7	74.3	83.5	92.0	99.2	99.9	99.9
Washers, clothes	28.6	33.1	39.8	50.8	55.6	58.5	55.4	57.4	62.1	69.9	73.3	75.2
Water heaters	9.8	13.5	20.2	29.4	(NA)	(NA)	18.9	23.4	31.6	40.4	(NA)	(NA)

NA Not available. X Not applicable. [1] Based on 53,300,000 homes in 1960, and 58,566,000 in 1965.
Source: Billboard Publications, Inc., New York, N.Y., *Merchandising*, annual statistical issues. (Copyright.)

No. 1389. Occupied Units—Selected Neighborhood Characteristics of Homeowners and Renters, 1975 and 1977, and Inside and Outside SMSA's, 1977

[In thousands of units, except percent. Data based on respondent's opinion of his/her neighborhood. See headnote, table 1377]

Characteristic	1975	1977								
		Owner occupied units					Renter occupied units			
		Total	Total	Inside SMSA's		Outside SMSA's	Total	Inside SMSA's		Outside SMSA's
				Total	Central cities			Total	Central cities	
Occupied units, total [1]	**72,523**	**75,280**	**48,765**	**31,286**	**11,346**	**17,479**	**26,515**	**20,028**	**11,805**	**6,487**
NEIGHBORHOOD CONDITIONS										
No undesirable conditions	16,609	17,992	12,144	7,606	2,665	4,537	5,848	4,159	2,275	1,690
Undesirable conditions [2]	55,634	57,119	36,537	23,622	8,658	12,916	20,582	15,802	9,490	4,781
Percent	76.7	75.9	74.9	75.5	76.3	73.9	77.6	78.9	80.4	73.7
Street noise	25,069	23,715	14,276	9,503	3,795	4,773	9,439	7,404	4,557	2,035
Heavy traffic	21,883	21,904	13,050	8,219	3,450	4,830	8,854	6,947	4,435	1,906
Inadequate street lighting	18,106	18,681	13,557	8,206	1,894	5,351	5,124	3,598	1,787	1,526
Commercial or industrial	12,366	15,490	7,313	4,867	2,267	2,445	8,177	6,544	4,190	1,633
Streets need repair	12,378	13,747	9,572	5,306	1,942	4,266	4,175	2,972	1,806	1,203
Crime	13,330	12,703	7,311	5,811	2,595	1,499	5,392	4,751	3,286	641
Airplane noise	11,864	12,670	8,342	6,682	2,603	1,660	4,328	3,761	2,148	567
Litter	10,413	12,010	7,372	4,705	2,130	2,667	4,638	3,671	2,607	967
Roads impassable	7,725	9,205	6,267	3,768	1,496	2,499	2,938	2,138	1,266	800
Rundown housing	6,864	7,641	4,523	3,058	1,389	1,465	3,118	2,409	1,739	709
Odors	6,412	6,454	4,109	2,780	1,148	1,328	2,345	1,868	1,185	477
Abandoned buildings	4,962	5,242	2,744	1,709	885	1,035	2,498	2,014	1,582	485
NEIGHBORHOOD SERVICES										
Adequate services	36,649	33,910	20,026	14,674	6,354	5,352	13,884	11,394	7,069	2,490
Inadequate services [2]	35,562	41,206	28,653	16,554	4,967	12,099	12,553	8,575	4,699	3,978
Percent	49.0	54.7	58.8	52.9	43.8	69.2	47.3	42.8	39.8	61.3
Public transportation	26,140	26,044	19,672	10,449	1,989	9,233	6,372	3,513	1,153	2,859
Hospitals or health clinics	8,570	10,995	7,738	4,187	1,105	3,551	3,257	2,118	1,067	1,139
Shopping	9,618	9,652	6,748	3,693	1,224	3,055	2,904	2,043	1,303	861
Police protection	6,117	6,883	4,531	2,535	993	1,996	2,352	1,754	1,221	598
Schools	2,592	3,324	2,317	1,481	553	835	1,007	736	459	272
Fire protection	3,092	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Includes respondents who did not report conditions or services.
[2] Figures will not add to total because more than one condition or service may be reported for the same unit.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150, Annual Housing Survey, part B, *Indicators of Housing and Neighborhood Quality for the United States and Regions*.

No. 1390. Expenditures by Residential Property Owners for Improvements and Maintenance and Repairs: 1970 to 1978

[In millions of dollars, except averages]

Year and type of expenditure	All properties	1-unit properties with owner occupant	Other properties	Additions and alterations			Major construction replacements	Maintenance and repairs
				Total	Residential	Other property		
1970: All properties [1]	**14,770**	**9,469**	**5,301**	**6,246**	**4,950**	**1,296**	**2,629**	**5,895**
Average per property	$297	$265	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Heating and air conditioning [2]	1,365	1,027	338	532	532	(NA)	548	286
Plumbing	1,376	704	672	337	337	(NA)	495	544
Roofing	1,019	691	328	(NA)	(NA)	(NA)	614	405
Painting	2,547	1,373	1,174	(NA)	(NA)	(NA)	(NA)	2,547
1975: All properties [1]	**25,239**	**15,684**	**9,556**	**10,997**	**8,815**	**2,182**	**4,484**	**9,758**
Average per property	$459	$382	$685	$200	$160	$40	$82	$178
Heating and air conditioning [2]	1,631	1,097	534	457	457	(NA)	689	484
Plumbing	2,287	1,174	1,113	532	532	(NA)	859	896
Roofing	2,325	1,493	832	(NA)	(NA)	(NA)	1,471	854
Painting	3,895	2,088	1,807	(NA)	(NA)	(NA)	(NA)	3,895
1978: All properties [1]	**37,461**	**24,189**	**13,272**	**16,458**	**12,156**	**4,302**	**8,094**	**12,909**
Average per property	$646	$562	$893	$284	$210	$74	$140	$222
Heating and air conditioning [2]	2,868	1,934	934	793	793	(NA)	1,332	743
Plumbing	3,587	2,066	1,521	791	791	(NA)	1,292	1,504
Roofing	3,422	2,251	1,171	(NA)	(NA)	(NA)	2,376	1,046
Painting	4,783	2,636	2,147	(NA)	(NA)	(NA)	(NA)	4,783

NA Not available. [1] Includes types of expenditures not separately specified. [2] Central air conditioning.

Source: U.S. Bureau of the Census, *Construction Reports*, series C50.

No. 1391. Low Rent Public Housing—Families Moving In: 1974 to 1977

[For years ending Sept. 30. See headnote, table 1392. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	All families [1]	White (nonminority)	Negro	American Indian	Spanish American	Oriental	Percent elderly	Percent receiving aid [2]	Percent with no workers
Number moving in during—									
1974	163,235	73,824	69,764	1,197	16,216	539	32	67	63
1975	137,036	64,090	57,777	1,105	11,863	548	36	72	68
1976	74,175	29,758	32,849	739	9,941	416	34	74	70
1977	139,667	61,376	60,720	1,416	13,279	1,124	33	73	68
Median:									
Age of family head ... yr.	34	48	30	33	33	38	(X)	(X)	(X)
Annual income ... dol.	3,651	3,625	3,522	4,445	4,168	4,172	(X)	(X)	(X)
Monthly gross rent ... dol.	62	63	59	69	71	71	(X)	(X)	(X)
Avg. number of minors	1.49	1.07	1.78	2.07	1.98	1.94	(X)	(X)	(X)

X Not applicable. [1] Includes families not shown separately. [2] Includes families receiving benefits.

Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook.*

No. 1392. Low-Rent Public Housing Units, by Progress Stage: 1960 to 1978

[**In thousands.** As of Dec. 31. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186–191]

YEAR AND PROGRAM	Total	Occupied units [1]	Under construction	Other [2]	YEAR AND PROGRAM	Total	Occupied units [1]	Under construction	Other [2]
1960	593.3	478.2	36.4	78.8	1977	1,308.8	1,187.7	63.6	57.5
Elderly [3]	18.9	1.1	4.1	13.7	Elderly [3]	322.3	295.0	15.3	12.0
1965	735.7	604.9	42.4	88.4	New construction	1,100.0	1,036.7	41.3	22.0
Elderly [3]	97.7	36.2	21.6	40.0	Conventional [4]	862.5	835.5	15.8	11.2
1970	1,155.3	893.5	126.8	135.0	Turnkey [5]	237.5	201.2	25.5	10.8
Elderly [3]	249.4	143.4	65.7	40.3	Acquisition [6]	45.6	33.4	7.8	4.3
1972	1,260.2	1,055.0	105.9	99.3	Leased housing [7]	163.3	117.6	14.5	31.2
Elderly [3]	316.7	232.0	49.1	35.6	New	72.5	44.8	12.3	15.4
1973	1,323.6	1,109.1	96.7	117.8	1978	1,318.2	1,198.0	65.7	54.5
Elderly [3]	333.9	261.8	35.8	36.3	Elderly [3]	324.3	299.7	13.3	11.3
1974	1,314.0	1,151.0	64.8	98.2	New construction	1,107.2	1,045.0	42.2	20.0
Elderly [3]	327.3	265.1	32.3	29.9	Conventional [4]	867.5	841.3	16.0	10.2
1975	1,316.7	1,180.4	52.9	83.4	Turnkey [5]	239.7	203.7	26.2	9.8
Elderly [3]	336.3	288.3	24.3	23.7	Acquisition [6]	47.4	35.0	9.3	3.1
1976	1,305.4	1,181.5	63.4	60.5	Leased housing [7]	163.6	118.0	14.2	31.4
Elderly [3]	321.3	293.0	14.9	13.4	New	74.8	45.1	14.2	15.5

[1] Under management or available for occupancy.
[2] To be constructed or to go directly "under management" because no rehabilitation needed.
[3] Designed for persons 62 years old or over, disabled, or handicapped.
[4] New housing constructed on the Local Housing Authority (LHA) site pursuant to a contract let by the LHA.
[5] New housing purchased by the LHA from a private developer upon completion of construction pursuant to an earlier agreement. [6] Existing housing acquired by the LHA.
[7] Existing housing leased by LHA from an owner under a contract permitting LHA to sub-lease the units.

Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*, and unpublished data.

No. 1393. Vacant Housing Units—Percent, by Status: 1975 to 1978

[Annual averages. See headnote, table 1394. See also *Historical Statistics, Colonial Times to 1970*, series N 247–248]

STATUS	TOTAL				INSIDE SMSA'S				OUTSIDE SMSA'S			
	1975	1976	1977	1978	1975	1976	1977	1978	1975	1976	1977	1978
All units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Occupied	91.3	91.6	91.6	91.7	92.8	93.0	93.2	93.2	88.1	88.5	88.3	88.6
Vacant, seasonal	2.1	2.0	2.0	2.0	.9	.9	.8	.7	4.6	4.2	4.5	4.7
Vacant, year-round	6.6	6.4	6.4	6.3	6.3	6.1	6.0	6.1	7.3	7.3	7.2	6.7
For rent	2.1	1.9	1.8	1.7	2.4	2.2	2.1	2.0	1.5	1.3	1.3	1.1
For sale only	.7	.7	.7	.6	.8	.7	.6	.5	.7	.8	.9	.8
Rented or sold [1]	.7	.7	.8	.8	.7	.8	.9	.9	.5	.6	.6	.6
Held off market [2]	3.1	3.1	3.1	3.2	2.4	2.4	2.4	2.7	4.6	4.6	4.4	4.2
Occasional use	.8	.9	.9	.8	.5	.5	.5	.6	1.6	1.7	1.6	1.4

[1] Awaiting occupancy. [2] Includes "other," not shown separately.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

No. 1394. Vacancy Rates for Housing Units—Characteristics: 1975 to 1978

[**In percent.** Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. For composition of regions, see fig. I, inside front cover. See also headnote, table 1377 concerning SMSA's. See also *Historical Statistics, Colonial Times to 1970*, series N 249-258]

RENTAL UNITS	1975	1976	1977	1978	HOMEOWNER UNITS	1975	1976	1977	1978
Total rental units	**6.0**	**5.6**	**5.2**	**5.0**	**Total homeowner units**	**1.2**	**1.2**	**1.2**	**1.0**
Inside SMSA's	6.1	5.7	5.3	5.2	Inside SMSA's	1.3	1.2	1.0	1.0
Outside SMSA's	5.7	5.1	5.2	4.5	Outside SMSA's	1.1	1.2	1.4	1.2
Northeast	4.1	4.7	5.1	4.8	Northeast	1.0	1.0	.9	.8
North Central	5.7	5.6	5.1	4.8	North Central	1.0	1.0	.9	1.0
South	7.7	6.4	5.7	5.5	South	1.5	1.6	1.7	1.3
West	6.2	5.4	5.0	4.8	West	1.5	1.2	.9	1.0
Units in structure: 1 unit	3.6	3.2	3.1	3.1	Units in structure: 1 unit	1.0	1.0	.9	.9
2 or more	7.3	6.8	6.4	6.1	2 or more	5.4	5.3	5.4	3.2
5 or more	8.3	7.8	7.1	6.7	5 or more	14.4	14.4	16.3	9.2
Units with: 3 rooms or less	8.4	8.1	7.7	6.9	Units with: 3 rooms or less	3.5	5.1	5.1	3.0
4 rooms	5.8	4.9	4.7	4.8	4 rooms	2.1	1.8	2.2	1.3
5 rooms	4.6	4.8	4.6	3.8	5 rooms	1.1	1.1	1.0	1.1
6 rooms or more	3.3	2.9	2.8	3.2	6 rooms or more	1.0	1.0	.9	.9
Monthly rent: Less than $60	5.5	4.8	4.4	4.0	Value: Less than $10,000	1.4	1.8	1.2	1.5
$60-$79	5.7	6.2	5.5	5.0	$10,000-$19,999	1.0	1.1	.9	.9
$80-$99	4.6	5.0	5.3	5.0	$20,000-$24,999	.9	.9	.6	.7
$100 or more	6.7	5.9	5.4	5.2	$25,000 or more	1.4	1.3	.9	.9
Year built: 1960 or later	8.3	6.5	5.6	6.0	Year built: 1960 or later	2.2	1.9	1.6	1.2
1965 or later	9.0	7.3	5.8	6.2	1965 or later	2.7	2.4	2.0	1.4
1940-1959	4.8	4.8	4.2	3.5	1940-1959	.5	.6	.7	.6
1939 or earlier	5.4	5.5	5.7	5.5	1939 or earlier	1.1	1.2	1.2	1.3
Plumbing: With all facilities	5.9	5.4	5.0	4.8	Plumbing: With all facilities	1.3	1.2	1.1	1.0
Lacking facilities	11.2	10.7	12.4	12.0	Lacking facilities	2.0	3.1	3.4	2.9

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

No. 1395. New Apartments Completed and Rented in 3 Months: 1974 to 1978

[1978 data are preliminary. Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For definition of median, see Guide to Tabular Presentation]

YEAR AND ITEM	NUMBER (1,000)					PERCENT RENTED IN 3 MONTHS				
	1974	1975	1976	1977	1978	1974	1975	1976	1977	1978
Total	**390**	**217**	**157**	**196**	**228**	**68**	**70**	**80**	**80**	**82**
Rent: Under $150	32.3	14.3	6.8	6.4	3.6	83	80	84	85	89
$150-$174	78.6	33.7	14.4	14.5	13.2	75	77	82	75	82
$175-$199	97.8	46.2	35.0	30.4	25.2	70	74	82	84	81
$200-$249	107.2	61.9	56.9	72.5	71.4	65	73	80	83	84
$250 or more	74.5	60.3	43.9	71.8	114.5	56	58	79	77	80
Bedrooms: Less than 2	177.5	98.3	75.1	87.8	112.0	73	73	86	83	84
2	189.6	105.8	74.5	100.6	107.5	65	68	77	78	80
3 or more	23.3	12.4	7.4	7.3	8.4	57	63	59	77	78

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-130, and unpublished data.

No. 1396. Existing One-Family Houses Sold and Price, by Region: 1969 to 1978

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

REGION	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Houses sold, U.S. 1,000	**1,594**	**1,612**	**2,018**	**2,252**	**2,334**	**2,272**	**2,452**	**3,002**	**3,572**	**3,905**
Northeast 1,000	240	251	311	361	367	354	377	458	549	566
North Central 1,000	508	501	583	630	674	645	685	843	1,035	1,056
South 1,000	538	568	735	788	847	839	899	1,110	1,372	1,636
West 1,000	308	292	389	473	446	434	491	591	615	648
Median sales price, U.S. $1,000	**21.8**	**23.0**	**24.8**	**26.7**	**28.9**	**32.0**	**35.3**	**38.1**	**42.9**	**48.7**
Northeast $1,000	23.7	25.2	27.1	29.8	32.8	35.8	39.3	41.8	44.4	47.9
North Central $1,000	19.0	20.1	22.1	23.9	25.3	27.7	30.1	32.9	36.7	42.2
South $1,000	20.3	22.2	24.3	26.4	29.0	32.3	34.8	36.5	39.8	45.1
West $1,000	23.9	24.3	26.5	28.4	31.0	34.8	39.6	46.1	57.3	66.7

Source: National Association of REALTORS®, Washington, D.C., *Existing Home Sales*, monthly. (Copyright.)

No. 1397. New Private One-Family Houses Sold, by Region, Type of Financing, and Sales Price: 1970 to 1978

[**In thousands.** Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. I, inside front cover]

Year and sales price group	Number sold					Percent sold					Financing type	
	Total [1]	Northeast	North Central	South	West	Total	Northeast	North Central	South	West	Conventional [2]	FHA and VT
1970	**485**	**61**	**100**	**203**	**121**	**100**	**100**	**100**	**100**	**100**	**202**	**232**
Under $35,000	394	38	77	178	100	81	62	77	88	83	127	224
Under $20,000	169	10	20	99	38	35	16	20	49	31	31	122
$20,000–$29,999	178	20	47	62	49	37	33	47	31	40	65	92
$30,000–$34,999	47	8	9	17	13	10	13	9	8	11	31	10
$35,000 and over	92	23	22	26	21	19	38	22	13	17	75	7
$35,000–$39,999	35	7	8	10	9	7	11	8	5	7	(NA)	(NA)
$40,000–$49,999	37	10	9	10	7	8	16	9	5	6	(NA)	(NA)
$50,000 and over	20	5	5	5	5	4	8	5	2	4	(NA)	(NA)
1975	**549**	**71**	**106**	**222**	**150**	**100**	**100**	**100**	**100**	**100**	**363**	**122**
Under $35,000	190	18	35	93	45	35	25	33	42	30	72	67
Under $30,000	110	9	17	60	24	20	13	16	27	16	29	37
$30,000–$34,999	80	9	18	33	21	15	13	17	15	14	42	30
$35,000 and over	359	52	72	128	106	65	73	68	58	71	291	54
$35,000–$39,999	98	10	20	40	28	18	14	19	18	19	67	28
$40,000–$49,999	127	18	25	47	37	23	25	24	21	25	101	22
$50,000–$59,999	65	12	13	20	20	12	17	12	9	13	59	[3] 3
$60,000 and over	69	12	14	21	21	13	17	13	9	14	64	(S)
1976	**646**	**72**	**128**	**247**	**199**	**100**	**100**	**100**	**100**	**100**	**458**	**134**
Under $35,000	149	14	27	77	31	23	19	21	31	16	60	58
Under $30,000	79	6	13	44	16	12	8	10	18	8	22	31
$30,000–$34,999	70	8	14	33	15	11	11	11	13	8	38	27
$35,000 and over	496	56	101	170	167	77	78	79	69	84	398	76
$35,000–$39,999	101	8	21	43	28	16	11	16	17	14	66	30
$40,000–$49,999	168	18	33	64	53	26	25	26	26	27	128	34
$50,000–$59,999	100	16	20	28	35	15	22	16	11	18	87	9
$60,000–$74,999	76	9	17	22	29	12	13	13	9	15	70	[3] 3
$75,000 and over	51	6	10	13	22	8	8	8	5	11	47	(S)
1977	**819**	**86**	**162**	**317**	**255**	**100**	**100**	**100**	**100**	**100**	**592**	**166**
Under $35,000	130	13	18	72	28	16	15	11	23	11	51	50
$35,000 and over	689	73	143	244	228	84	85	88	77	89	542	117
$35,000–$39,999	102	8	17	50	27	12	9	10	16	11	61	36
$40,000–$49,999	200	19	40	84	57	24	22	25	26	22	140	51
$50,000–$59,999	149	18	34	50	47	18	21	21	16	18	123	19
$60,000–$74,999	123	16	31	35	40	15	19	19	11	16	109	9
$75,000 and over	115	12	21	25	57	14	14	13	8	22	108	[3] 2
1978	**817**	**78**	**145**	**331**	**262**	**100**	**100**	**100**	**100**	**100**	**575**	**173**
Under $35,000	65	5	8	42	11	8	6	5	13	4	21	20
$35,000 and over	751	73	138	289	251	92	94	95	87	96	554	153
$35,000–$39,999	76	8	10	38	21	9	10	7	11	8	37	31
$40,000–$49,999	175	14	28	84	48	21	18	20	25	18	107	56
$50,000–$59,999	156	14	29	66	47	19	18	20	20	18	110	39
$60,000–$74,999	157	18	34	54	52	19	23	23	16	20	128	22
$75,000–$99,999	119	13	25	33	48	15	17	17	10	18	109	5
$100,000 and over	69	6	11	15	37	8	8	8	4	14	64	(S)

NA Not available. S Estimate does not meet publication standards. [1] Includes types of financing not shown separately. [2] 1970 includes houses financed by Farmers Home Administration. [3] VA only.

Source: U.S. Bureau of the Census, *Construction Reports*, series C25, *Characteristics of New Housing*, annual, and *New One-Family Houses Sold and For Sale*, monthly.

No. 1398. Median Sales Price of New Private One-Family Houses Sold, by Region: 1965 to 1978

[**In dollars.** See headnote, table 1397. For definition of median, see Guide to Tabular Presentation]

Year	U.S.	Northeast	North Central	South	West	Year	U.S.	Northeast	North Central	South	West
1965	20,000	21,500	21,600	17,500	21,600	1972	27,600	31,400	29,300	25,800	27,500
1966	21,400	23,500	23,200	18,200	23,200	1973	32,500	37,100	32,900	30,900	32,400
1967	22,700	25,400	25,100	19,400	24,100	1974	35,900	40,100	36,100	34,500	35,800
1968	24,700	27,700	27,400	21,500	25,100	1975	39,300	44,000	39,600	37,300	40,600
1969	25,600	31,600	27,600	22,800	25,300	1976	44,200	47,300	44,800	40,500	47,200
1970	23,400	30,300	24,400	20,300	24,000	1977	48,800	51,600	51,500	44,100	53,500
1971	25,200	30,600	27,200	22,500	25,500	1978 [1]	55,700	58,100	59,200	50,300	61,300

[1] 1979, U.S. total: 1st qtr., $60,600, 2d qtr., $63,200.

Source: U.S. Bureau of the Census, *Construction Reports*, series C25, *Characteristics of New Housing*, annual, and *New One-Family Houses Sold and For Sale*, monthly.

No. 1399. Price Index—New One-Family Houses Sold, by Region: 1965 to 1979

[1972=100. Based on fixed proportions of ten characteristics of new houses sold in 1974. For composition of regions, see fig. I, inside front cover]

YEAR	U.S.	Northeast	North Central	South	West	YEAR AND QUARTER	U.S.	Northeast	North Central	South	West
1965	71.2	62.2	70.6	71.1	75.9	1973	108.9	108.4	107.7	106.9	112.7
1966	74.2	66.8	74.7	74.3	78.2	1974	119.1	118.3	115.8	115.2	126.3
1967	76.4	69.1	77.7	75.8	79.4	1975	131.0	128.3	126.8	125.7	141.7
1968	80.3	75.8	82.4	79.0	81.7	1976	142.0	133.5	138.1	134.6	157.3
						1977	159.6	142.2	153.8	147.7	186.7
1969	86.5	82.7	90.5	84.5	88.9	1978	182.1	157.3	175.8	165.3	221.6
1970	89.1	88.2	90.7	87.5	90.3	1979,					
1971	93.9	93.8	94.1	94.2	93.3	1st qtr	198.0	(NA)	(NA)	(NA)	(NA)

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports*, series C27, quarterly.

No. 1400. Mortgage Status of Nonfarm Dwelling Units: 1920 to 1977

[**In millions, except percent.** Prior to 1960, excludes Alaska and Hawaii. For 1920, mortgage data are for owner-occupied units in all types of structures; for 1940 and 1950, for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business; for 1960, for properties with 1- to 4-dwelling units, and for 1971–1977, for properties with 1 housing unit. See also *Historical Statistics, Colonial Times to 1970*, series N 302–307]

ITEM	1920	1940	1950	1960	1971	1974	1975	1976	1977
Owner occupied units	7.0	11.4	19.8	27.9	33.2	36.2	37.2	37.9	38.8
Reporting mortgage status	6.9	10.6	17.8	27.9	33.2	36.2	37.2	37.9	38.8
Mortgaged	2.7	4.8	7.8	15.8	20.1	23.0	23.4	24.1	24.9
Percent	39.8	45.3	44.0	56.8	60.6	63.5	63.0	63.5	64.2
Not mortgaged	4.1	5.8	10.0	12.0	13.1	13.2	13.8	13.8	13.9

Source: U.S. Bureau of the Census, *Census of Housing: 1950*, vol. I; *1960* and *1970*, vol. V; and *Current Housing Reports*, series H-150, Annual Housing Survey, part C, *Financial Characteristics of the Housing Inventory for the United States and Regions*.

No. 1401. Volume of Long-Term Mortgage Loans Originated, by Type of Property, 1970 to 1977, and by Lender, 1977

[**In billions of dollars.** Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1973	1974	1975	1976	1977, BY LENDER						
						Total [1]	Savings and loan	Commercial banks	Mortgage cos.	Life insurance cos.	Fed'l credit agencies	Mutual savings
Loans, total	**59.8**	**127.7**	**111.4**	**120.7**	**157.4**	**218.2**	**99.1**	**56.6**	**24.7**	**7.5**	**10.6**	**11.8**
1-4 unit family home	35.6	79.1	67.5	77.9	110.1	157.4	86.3	35.2	22.4	.4	2.9	8.6
New units	12.6	28.0	24.1	24.7	31.4	44.3	24.5	9.1	6.9	.1	1.7	1.5
Existing units	23.0	51.2	43.4	53.3	78.7	113.1	61.8	26.1	15.5	.3	1.2	7.1
Multifamily residential	8.8	14.0	12.3	10.7	12.5	14.4	6.8	1.8	.9	.9	1.0	1.4
New units	7.0	8.7	8.4	5.8	4.6	4.7	1.7	.4	.7	.4	.9	.2
Existing units	1.8	5.3	3.9	4.9	7.9	9.7	5.1	1.4	.2	.5	.1	1.2
Non-residential	12.5	27.4	24.0	24.2	25.0	46.4	6.0	19.6	1.4	6.2	6.8	1.8
Farm properties	3.0	7.1	7.7	7.9	9.8							

[1] Includes lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970–1974*, and press releases.

No. 1402. Residential Loans Underwritten by FHA: 1960 to 1978

[**In millions of dollars.** Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291–297]

LOAN	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978
FHA-insured loans	**6,293**	**8,689**	**11,982**	**12,319**	**7,592**	**5,903**	**7,941**	**9,746**	**13,000**	**15,842**
Home mortgages: New properties	2,197	1,705	2,667	3,459	1,675	752	1,149	1,087	1,664	1,881
Existing properties	2,403	5,760	5,447	4,608	2,798	3,182	5,017	5,275	7,177	9,259
Project type mortgages	711	591	3,251	3,448	2,286	1,213	976	2,315	2,818	3,014
Property improvement loans [1]	982	634	[2] 617	[2] 805	[2] 832	[2] 756	[2] 799	[2] 1,071	[2] 1,341	[2] 1,688

[1] Not ordinarily secured by mortgages. [2] Includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.

No. 1403. Characteristics of Conventional First Mortgage Loans for Purchase of Single-Family Homes: 1974 to 1979

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, and mutual savings banks]

Loan characteristic	New homes						Existing homes					
	1974	1975	1976	1977	1978	1979, June	1974	1975	1976	1977	1978	1979, June
Contract interest rate..percent..	8.72	8.75	8.76	8.80	9.30	10.4	8.84	9.01	8.92	8.83	9.37	10.5
Initial fees, charges [1]..percent..	1.30	1.54	1.44	1.33	1.39	1.53	1.09	1.19	1.17	1.17	1.26	1.41
Term to maturity.....yr..	26.3	26.8	27.2	27.9	28.0	28.4	23.0	24.0	24.5	25.8	26.4	27.0
Loan to price ratio...percent..	75.8	76.1	75.8	76.3	75.3	73.5	72.4	73.4	73.8	75.1	75.1	74.3
Purchase price.....$1,000..	40.1	44.6	48.4	54.3	62.6	73.7	34.7	38.2	41.3	47.5	54.2	61.9

[1] Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, monthly news releases.

No. 1404. One-Family Homes, FHA-Insured Mortgages: 1973 to 1978

[Data are for sec. 203(b) of the National Housing Act only. For definition of median, see Guide to Tabular Presentation]

Characteristic	New homes						Existing homes					
	1973	1974	1975	1976	1977	1978	1973	1974	1975	1976	1977	1978
Avg. mo., occupant expenses:												
Real estate taxes.....dol..	35	40	49	54	56	56	34	35	40	40	41	44
Maintenance and repair..dol..	18	19	22	24	24	23	15	16	20	21	22	24
Heating and utilities....dol..	32	36	42	46	54	61	33	36	43	48	53	60
Avg. purchase transactions:												
Total acq. cost [1].....$1,000..	25.2	27.4	33.0	35.3	37.2	41.5	19.5	22.2	26.9	27.4	29.2	34.0
Closing costs.....dol..	562	584	672	706	701	772	482	538	606	614	660	761
Market price of site [2]..$1,000..	5.3	5.5	6.4	7.0	7.3	7.7	4.0	4.5	5.5	5.6	5.8	6.9
Median value and cost:												
Amount of mortgage..$1,000..	22.8	24.1	29.7	32.2	34.0	37.3	17.6	20.2	24.6	25.4	27.1	30.9
Estimated value.....$1,000..	24.6	26.8	32.5	35.2	37.2	41.1	18.7	22.0	26.2	26.8	28.9	33.0
Loan/value ratio....percent..	93.0	91.5	92.8	92.9	92.0	93.0	94.6	93.7	94.9	95.1	94.8	95.5
Income of occupant [3]..$1,000..	12.8	13.9	17.1	18.2	18.8	20.4	11.6	13.2	15.5	15.9	16.6	18.3
Mo. mortgage payment..dol..	201	236	284	318	329	36.9	162	202	245	255	260	300
Term of mortgage.....years..	30.0	30.0	30.0	30.0	29.9	29.9	28.8	29.0	29.3	29.4	29.4	29.5

[1] Sales price plus closing costs. [2] Includes street improvements or utilities, rough grading, terracing and retaining walls, if any, for site. [3] Annual.

Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.

No. 1405. Home Loans Guaranteed and Insured by VA: 1973 to 1978

[Based on complete count of primary loans closed for conventionally built homes. See also table 643]

Loan characteristics	New homes						Existing homes					
	1973	1974	1975	1976	1977	1978	1973	1974	1975	1976	1977	1978
Average loan.....$1,000..	26.6	29.4	32.9	35.7	39.6	42.8	22.9	25.7	28.6	30.6	34.6	37.5
	Percent of home loans											
Loan amount:												
Less than $15,000.....	.7	.5	.3	.3	.2	.2	13.7	9.7	6.7	4.9	2.8	2.0
$15,000-$19,999.....	12.9	5.3	2.0	1.4	.7	.5	24.4	18.7	14.5	11.8	7.9	6.2
$20,000-$24,999.....	31.1	21.1	9.9	5.8	2.8	1.5	27.3	23.7	19.3	16.8	12.5	10.3
$25,000-$29,999.....	29.8	31.2	23.8	17.6	11.0	6.8	19.1	21.0	20.5	20.2	16.8	15.7
$30,000-$34,999.....	15.1	24.2	31.2	24.6	19.5	14.8	8.9	12.8	15.7	16.2	16.6	15.7
$35,000-$39,999.....	6.4	10.6	19.5	25.4	23.1	20.7	3.6	6.8	10.2	12.3	15.0	14.3
$40,000 and over.....	4.0	7.1	13.3	24.9	42.7	55.5	3.0	7.3	13.1	17.8	28.4	35.8
Mortgage maturity:												
Less than 25 years.....	.3	.4	.3	.3	.3	.3	3.5	3.0	2.9	2.7	2.1	1.8
25 years.....	.7	.5	.5	.6	.5	.4	7.6	6.7	6.1	5.8	4.5	4.1
26-29 years.....	5.1	5.6	4.9	2.9	1.8	2.0	3.3	3.2	1.2	.5	.5	.5
30 years.....	93.9	93.5	94.3	96.2	97.4	97.3	85.6	87.1	89.8	91.0	92.9	93.6
Downpayment status:												
With downpayment.....	37.3	39.0	42.9	27.6	44.5	46.0	23.4	26.3	26.5	24.3	26.4	26.3
With no downpayment.....	62.7	61.0	57.1	72.4	55.5	54.0	76.6	73.7	73.5	75.7	73.6	73.7

Source: U.S. Veterans Administration, unpublished data.