

STATISTICAL SUMMARY OF MINERAL PRODUCTION

(GENERAL UNITED STATES SUMMARY AND DETAILED PRODUCTION BY STATES)

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SUMMARY OUTLINE

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INTRODUCTION

This report continues the series of annual statistical summaries published in previous years as chapters of Mineral Resources and Minerals Yearbook.

UNIT OF MEASUREMENT

The unit of measurement used by the Bureau of Mines for each mineral product in reports on the mineral resources is that common to the industry concerned, and the variation in these units makes it impracticable, if not impossible, directly to combine and compare the different minerals except as to value. Although most of the products are measured by weight, some are measured by volume and some by number of "pieces," etc.; for some no total quantity figures are available.

ELIMINATION OF DUPLICATION

In the totals for the United States, shown in the following "general" tables, duplication has been eliminated wherever practicable, and in the State totals given in the State tables virtually all duplication has been eliminated. For instance, in both general and State tables the output of coke is shown but its value is not included in the totals, as the value of the coal used in its manufacture enters into the value of the coal production which is included in the totals. For asphalt, both native and oil are shown in the general tables, but the value of the oil asphalt is excluded from the totals as it duplicates that of the petroleum from which it is manufactured. For the clay industries, no figures have been available for total clay produced. For years before 1936, the total value of clay products is included in both general and State totals as representing the first marketable form of the greater part of the clay produced; the quantity and value of the clay mined and sold in the raw state by miners to users of clay are shown separately also, but the value is not included in the totals as it is duplicated largely in that for clay products. For years beginning with 1936, as the Bureau of Mines believes that a closer approach to

the value of domestic clay in its first marketable form results from the inclusion of the value of clay sold by producers and of clay products other than pottery and refractories, the United States and State totals include such values for the clay industries. This change in practice should be borne in mind when comparing the values beginning 1936 with those for earlier years.

United States totals.—In the general tables both iron ore and pig iron are shown, but the value of the pig iron rather than the iron ore is included in the United States totals, as that is considered the better means of presenting the statistics for iron in its first marketable form. For gold, silver, copper, lead, and zinc the value of "smelter output" is included in the general totals, and to account more fully for the value of the ores treated these smelter figures are supplemented by the value of the byproduct sulfuric acid. The value of pigments (white lead, red lead, lithopone, litharge, and orange mineral) manufactured from metals is not included in the general tables, as the base from which they are made is included in the output of lead or zinc, whereas the value of sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide is included, as these are made in large part direct from the ores and do not enter into the lead or zinc totals, which represent smelter output.

State totals.—In the State tables also iron ore and pig iron are both shown. As blast-furnace products cannot be traced to the States in which the ore is mined, the value of the ore is used in the State totals. For ores of gold, silver, copper, lead, and zinc no values are shown, and in fact none are recorded; instead, for each of these metals the recoverable content of the ores is used as the basis of valuation. The value of the zinc and lead pigments is not included in the State total, as the recoverable zinc and lead content of the ores from which the products were made is included under zinc or lead. The value of the sulfuric acid produced as a byproduct of copper and zinc smelting and zinc roasting is not included in the State total, as tracing this product back to the State producing the ore has not been possible.

GENERAL TABLES

Mineral products of the United States, 1939-41¹

Product	1939		1940		1941	
	Quantity	Value	Quantity	Value	Quantity	Value
METALLIC						
Aluminum.....pounds.....	327,090,000	\$64,600,000	412,560,000	\$75,292,000	(2 3)	(2 3)
Antimonial lead.....short tons (2,000 pounds).....	4 21,995	(4)	4 29,762	(4)	4 40,237	(4)
Antimony:						
Metal.....do.....	(4)	(4)	(4)	(4)	(2 3)	(2 3)
Ore and concentrates.....do.....	3,174	37,200	1,124	72,900	(2 3)	(2 3)
Bauxite.....long tons (2,240 pounds).....	375,301	2,166,236	434,988	2,578,968	(2 3)	(2 3)
Beryllium ore (beryl).....short tons.....	95	2,720	121	3,721	158	\$7,300
Cadmium:						
Metal.....pounds.....	5,190,273	2,776,224	6,467,260	4,527,082	7,044,417	5,498,404
In compounds.....do.....	401,200	212,636	205,900	144,130	265,700	207,246
Chromite.....long tons.....	3,614	46,892	2,662	28,784	(2 3)	(2 3)
Copper, ⁸ sales value.....pounds.....	1,425,349,488	148,236,000	1,818,167,516	205,453,000	1,932,144,953	227,993,000
Ferro-alloys.....short tons.....	942,101	76,156,588	1,292,660	128,127,810	(2 3)	(2 3)
Gold ⁷troy ounces.....	5,611,171	196,391,000	6,003,105	210,108,700	5,976,419	209,174,600
Iron:						
Ore ⁸long tons.....	54,827,100	158,537,696	75,198,064	8 189,086,799	93,053,994	8 249,705,903
Pig.....short tons.....	35,942,463	626,824,690	46,958,929	840,442,032	55,223,641	1,111,811,316
Lead (refined), ⁸ sales value.....do.....	420,967	39,571,000	433,065	43,307,000	470,517	53,639,000
Magnesium (new ingot).....pounds.....	10,650,121	(9)	12,823,633	10 3,492,380	(2 3)	(2 3)
Manganese ore (35 percent or more Mn).....long tons.....	29,307	794,746	40,123	1,169,024	(2 3)	(2 3)
Manganiferous ore (5 to 35 percent Mn).....do.....	709,247	2,148,321	1,136,547	3,348,042	(2 3)	(2 3)
Mercury:						
Metal.....flasks (76 pounds net).....	18,633	1,936,714	37,777	6,681,618	(2 3)	(2 3)
Ore.....short tons.....	(11)	(12)	(11)	(12)	(11)	(12)
Molybdenum.....pounds.....	32,415,000	22,157,000	25,329,000	17,189,000	(2 3)	(2 3)
Nickel.....short tons.....	394	(9)	554	(9)	(2 3)	(2 3)
Ores (crude), old tailings, etc.:						
Copper.....do.....	55,221,000	(12)	69,278,000	(12)	78,453,000	(12)
Dry and siliceous (gold and silver).....do.....	19,467,000	(12)	18,700,000	(12)	17,639,000	(12)
Lead.....do.....	5,387,000	(12)	6,144,000	(12)	6,151,000	(12)
Lead-copper.....do.....	8,000	(12)	10,000	(12)	6,000	(12)
Zinc.....do.....	7,576,000	(12)	9,521,000	(12)	10,492,000	(12)
Zinc-copper.....do.....	67,000	(12)	79,000	(12)	81,000	(12)
Zinc-lead.....do.....	11,518,000	(12)	12,866,000	(12)	16,211,000	(12)
Zinc-lead-copper.....do.....	12,000	(12)	4,000	(12)	1,000	(12)
Platinum metals (refined) (value at New York City).....troy ounces.....	41,441	1,566,000	47,339	1,986,000	(2 3)	(2 3)
Selenium.....pounds.....	345,726	(9)	368,709	(9)	681,650	(9)

See footnotes at end of table.

Mineral products of the United States, 1939-41—Continued

Product	1939		1940		1941	
	Quantity	Value	Quantity	Value	Quantity	Value
METALLIC—continued						
Silver ¹⁸ troy ounces.....	65, 119, 513	\$44, 202, 279	69, 535, 734	\$49, 483, 189	72, 336, 029	\$51, 438, 954
Tantalum ore..... pounds.....	340	200	-----	-----	250	280
Tellurium..... do.....	63, 431	(⁹)	88, 996	(⁹)	239, 983	(⁹)
Tin (metallic equivalent)..... short tons.....	38	38, 400	55	54, 900	(^{2 3})	(^{2 3})
Titanium ore:						
Ilmenite..... do.....	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Rutile..... do.....	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Tungsten ore (60-percent concentrates)..... do.....	4, 287	4, 402, 182	5, 319	6, 576, 318	(^{2 3})	(^{2 3})
Uranium and vanadium ores..... do.....	279, 354	1, 053, 660	96, 345	1, 018, 600	(^{2 3})	(^{2 3})
Zinc, ⁶ sales value..... do.....	491, 058	51, 070, 000	539, 938	74, 333, 000	652, 599	97, 890, 000
Other metallic ¹⁴ do.....	-----	1, 110, 817	-----	1, 162, 558	-----	1, 727, 828
Total value of metallic products (approximate).....	-----	1, 291, 700, 000	-----	1, 679, 500, 000	-----	2, 137, 100, 000
NONMETALLIC						
Arsenious oxide..... short tons.....	22, 439	495, 500	23, 339	561, 300	34, 784	1, 119, 320
Asbestos..... do.....	15, 459	512, 788	20, 060	674, 503	(^{2 15})	(^{2 15})
Asphalt:						
Native..... do.....	459, 848	3, 066, 844	490, 665	2, 725, 337	691, 168	3, 169, 193
Oil (including road oil) ⁸ do.....	4, 860, 540	⁸ 36, 038, 696	5, 262, 959	⁸ 41, 398, 735	(^{2 8})	(^{2 8})
Barite (crude)..... do.....	383, 609	2, 344, 103	409, 353	2, 596, 743	503, 156	3, 134, 234
Boron minerals..... do.....	245, 284	5, 689, 797	243, 355	5, 643, 390	301, 282	8, 455, 422
Bromine..... pounds.....	37, 882, 005	7, 611, 400	59, 266, 275	11, 772, 515	68, 317, 019	11, 506, 213
Calcium-magnesium chloride (75 percent NaCl)..... short tons.....	108, 441	1, 307, 717	99, 536	998, 241	165, 932	1, 333, 370
Cement..... barrels (376 pounds net).....	125, 056, 594	184, 254, 932	132, 864, 383	193, 464, 869	170, 365, 440	250, 589, 481
Clay:						
Products (other than pottery and refractories) ¹⁶	-----	122, 528, 069	-----	114, 000, 000	-----	(¹⁶)
Raw (sold by producers)..... short tons.....	3, 760, 694	15, 354, 918	4, 700, 951	18, 162, 485	7, 018, 056	25, 193, 893
Coal:						
Bituminous ¹⁷ do.....	¹⁸ 394, 855, 325	¹⁸ 728, 348, 366	¹⁹ 460, 771, 500	¹⁹ 879, 327, 227	¹⁹ 511, 290, 000	¹⁹ 1, 083, 935, 000
Pennsylvania anthracite..... do.....	51, 487, 377	187, 175, 000	51, 494, 640	205, 490, 000	56, 368, 267	240, 275, 000
Coke ⁸ do.....	44, 326, 641	⁸ 212, 884, 050	57, 072, 134	⁸ 273, 832, 410	65, 186, 578	⁸ 352, 967, 237
Diatomite..... do.....	(²⁰)	(²⁰)	(²⁰)	(²⁰)	(²⁰)	(²⁰)
Emery..... do.....	765	6, 828	1, 046	9, 349	4, 876	42, 484
Feldspar (crude)..... long tons.....	253, 466	1, 112, 857	290, 763	1, 271, 995	338, 860	1, 519, 456
Fluorspar..... short tons.....	182, 771	3, 704, 959	233, 600	4, 744, 808	320, 669	6, 724, 782
Fuller's earth..... do.....	167, 070	1, 691, 855	146, 568	1, 471, 083	207, 446	2, 111, 674
Garnet for abrasive purposes..... do.....	4, 056	278, 534	4, 716	259, 345	5, 501	371, 752
Gems and precious stones.....						
Graphite:	-----	(²¹)	-----	(²¹)	-----	(²¹)
Amorphous..... short tons.....	(²⁰)	(²⁰)	(²⁰)	(²⁰)	(^{2 15})	(^{2 15})
Crystalline..... pounds.....	(²⁰)	(²⁰)	-----	-----	(^{2 15})	(^{2 15})

Grindstones and pulpstones.....	short tons.....	10, 484	426, 875	18, 328	496, 448	15, 536	545, 556
Gypsum (crude).....	do.....	3, 226, 787	4, 431, 005	3, 699, 015	5, 227, 910	4, 788, 534	6, 794, 223
Helium.....	cubic feet.....	⁽²⁾ 6, 281, 800	⁽²⁾ 75, 262	⁽²⁾ 9, 450, 855	⁽²⁾ 85, 061	⁽²⁾ 85, 061	⁽²⁾ 85, 061
Iodine.....	pounds.....	⁽²⁰⁾	⁽²⁰⁾	⁽²⁰⁾	⁽²⁰⁾	⁽²⁰⁾	⁽²⁰⁾
Kyanite.....	short tons.....	2, 950	63, 000	4, 241	93, 718	8, 335	175, 581
Lime.....	do.....	4, 254, 348	30, 049, 394	4, 886, 929	33, 956, 385	6, 079, 416	42, 941, 162
Lithium minerals.....	do.....	1, 990	97, 000	2, 011	80, 679	3, 832	115, 718
Magnesite (crude).....	do.....	198, 980	1, 465, 190	333, 166	2, 487, 969	374, 799	2, 655, 947
Magnesium salts (natural) (including brucite).....	pounds.....	171, 508, 000	2, 159, 019	216, 532, 000	2, 452, 814	274, 714, 000	3, 687, 784
Marl:							
Calcareous.....	short tons.....	22, 114	38, 492	25, 516	42, 481	183, 009	175, 393
Greensand.....	do.....	6, 466	318, 550	6, 697	389, 888	11, 120	619, 664
Mica:							
Scrap.....	do.....	24, 672	311, 895	22, 386	314, 565	(⁽¹⁾ 11)	(⁽¹⁾ 11)
Sheet.....	pounds.....	813, 708	138, 663	1, 625, 437	291, 685	(⁽¹⁾ 15)	(⁽¹⁾ 15)
Millstones.....			11, 084		6, 559		15, 579
Mineral paints:							
Natural pigments ⁽²⁾	short tons.....	(⁽²⁾)	(⁽²⁾)	(⁽²⁾)	(⁽²⁾)	(⁽²⁾)	(⁽²⁾)
Zinc and lead pigments ⁽²⁾	do.....	162, 774	19, 029, 802	164, 775	19, 334, 347	228, 123	27, 994, 694
Mineral waters.....	gallons sold.....	(⁽¹⁾)	(⁽¹⁾)	(⁽¹⁾)	(⁽¹⁾)	(⁽¹⁾)	(⁽¹⁾)
Natural gas.....	M cubic feet.....	2, 476, 756, 000	534, 240, 000	2, 660, 222, 000	577, 939, 000	2, 770, 000, 000	608, 000, 000
Natural gasoline.....	gallons.....	2, 169, 300, 000	90, 050, 000	2, 339, 400, 000	68, 261, 000	2, 696, 568, 000	128, 700, 000
Oilstones, etc.....	short tons.....	620	115, 805	(⁽²⁰⁾)	(⁽²⁰⁾)	(⁽²⁰⁾)	(⁽²⁰⁾)
Olivine.....	do.....	3, 000	15, 000	2, 500	15, 000	4, 828	24, 401
Peat.....	do.....	55, 483	362, 066	70, 097	516, 865	86, 503	657, 556
Petroleum.....	barrels (42 gallons).....	1, 264, 962, 000	1, 294, 470, 000	1, 353, 214, 000	1, 385, 440, 000	1, 404, 182, 000	1, 570, 000, 000
Phosphate rock.....	long tons.....	3, 757, 067	12, 294, 042	4, 002, 700	12, 334, 662	4, 688, 312	15, 587, 738
Potassium salts.....	short tons.....	⁽²⁾ 868, 287	12, 028, 195	⁽²⁾ 393, 058	12, 562, 050	⁽²⁾ 531, 346	17, 368, 237
Pumice.....	do.....	89, 159	424, 780	82, 407	449, 914	117, 310	669, 514
Pyrites.....	long tons.....	519, 497	1, 560, 000	626, 440	1, 920, 000	659, 498	2, 035, 000
Salt (sodium chloride).....	short tons.....	9, 277, 911	24, 509, 680	10, 359, 960	26, 474, 619	12, 720, 629	33, 620, 376
Sand and gravel:							
Glass sand.....	do.....	2, 468, 290	4, 280, 936	2, 759, 544	4, 881, 508	3, 475, 111	6, 113, 529
Sand (molding, building, etc.) and gravel.....	do.....	223, 540, 000	101, 785, 000	235, 548, 000	105, 806, 000	285, 240, 000	141, 093, 000
Sand-lime brick ⁽²⁾	thousands of brick.....	153, 280	1, 587, 859	104, 519	1, 174, 044	(⁽²⁾)	(⁽²⁾)
Silica (quartz).....	short tons.....	34, 959	153, 038	31, 865	176, 390	41, 685	228, 587
Slate.....	do.....	531, 380	6, 682, 214	473, 450	5, 738, 269	618, 660	7, 515, 034
Sodium salts (carbonates and sulfates) (natural).....	do.....	262, 222	2, 556, 696	317, 267	3, 157, 916	304, 201	3, 268, 123
Stone ⁽²⁾	do.....	147, 447, 130	158, 461, 515	153, 733, 040	160, 044, 115	183, 107, 960	195, 337, 426
Sulfur.....	long tons.....	2, 233, 817	35, 500, 000	2, 558, 742	40, 900, 000	3, 401, 410	54, 400, 000
Sulfuric acid (60° Baumé) (byproduct) ⁽²⁾	short tons.....	778, 441	6, 213, 027	840, 937	6, 797, 421	915, 989	7, 201, 161
Talc, pyrophyllite, and ground soap ore ⁽²⁾	do.....	253, 976	2, 700, 834	281, 375	3, 008, 320	416, 369	4, 701, 892
Tripoli.....	do.....	33, 474	466, 380	30, 212	366, 569	29, 301	421, 746
Vermiculite.....	do.....	21, 174	174, 587	22, 299	137, 698	23, 438	125, 444
Other nonmetallic ⁽²⁾			2, 363, 251		2, 806, 861		4, 457, 215
Total value of nonmetallic products (approximate).....			3, 622, 500, 000		3, 935, 300, 000		4, 680, 200, 000

See footnotes at end of table.

Mineral products of the United States, 1939-41—Continued

Product	1939		1940		1941	
	Quantity	Value	Quantity	Value	Quantity	Value
SUMMARY						
Total value:						
Metallic.....		\$1,291,700,000		\$1,679,500,000		\$2,137,100,000
Nonmetallic:						
Fuels.....		2,834,300,000		3,116,500,000		3,628,900,000
Other.....		788,200,000		818,800,000		1,051,300,000
Grand total approximate value of mineral products.....		4,914,200,000		5,614,800,000		6,817,300,000

¹ In this general statement certain of the figures represent shipments rather than quantity mined, and some of the figures for 1941 are subject to revision. For details see following chapters of this volume.

² Figures withheld from publication at request of Committee for War Information.

³ Value included in total value of metallic products.

⁴ Figures represent antimonial lead produced at primary refineries from both domestic and foreign primary and secondary sources; no figures for value of antimonial lead available. Estimate of value of primary antimony and lead contents of antimonial lead from domestic sources included in total value of metallic products.

⁵ Largely from foreign ore; value not included in total value.

⁶ Product from domestic ores only.

⁷ According to Bureau of the Mint. Valued at \$35 per ounce.

⁸ Value not included in total value.

⁹ Value included in total value of metallic products; Bureau of Mines not at liberty to publish figures.

¹⁰ Value calculated at nominal price—27 cents per pound.

¹¹ Figures not available.

¹² Figures showing values not available.

¹³ According to Bureau of the Mint.

¹⁴ Includes value of following products. Figures are shown wherever Bureau of Mines is at liberty to publish them.

1939: Bismuth and iron ore sold for paint (12,235 long tons, \$66,817).

1940: Bismuth, cobalt oxide, and iron ore sold for paint (8,912 long tons, \$45,578).

1941: Bismuth, cobalt ore, indium, iron ore sold for paint (20,792 long tons, \$101,710), and zircon concentrates (174 short tons, \$5,153).

¹⁵ Value included in total value of nonmetallic products.

¹⁶ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete. Figures for 1941 not yet available; estimate of value included in total value of nonmetallic products.

¹⁷ Includes brown coal and lignite, and anthracite mined elsewhere than in Pennsylvania.

¹⁸ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

¹⁹ According to Bituminous Coal Division; value for bituminous includes selling expenses. Figures for 1941 are preliminary.

²⁰ Value included in total value of nonmetallic products; Bureau of Mines not at liberty to publish figures.

²¹ No canvass. Estimate of value included in total value of nonmetallic products.

²² Figures cover fiscal year ended June 30 of year stated.

²³ Canvass discontinued after 1915. Figures for iron ore sold for paint given in footnote 14.

²⁴ Sublimed blue lead, sublimed white lead, lead zinc oxide, and zinc oxide.

²⁵ Equivalent as K₂O.

²⁶ Figures obtained through cooperation with Bureau of the Census. Figures for 1941 not yet available; estimate of value included in total value of nonmetallic products.

²⁷ Figures for soapstone used as dimension stone included in figures for stone.

²⁸ From copper and zinc smelters and zinc roasters and from roasting of high-sulfide gold and silver concentrates.

²⁹ Includes value of following products. Figures are shown wherever Bureau of Mines is at liberty to publish them.

1939: Andalusite, apatite, natural sulfonated bitumen, calcite (Iceland spar), chats (2,237,200 short tons, \$294,200), dumortierite, flint lining for tube mills, optical fluor spar (undetermined quantity, \$25), pebbles for grinding, silica sand and sandstone (ground) (310,512 short tons, \$1,930,301), and sulfur ore (79 long tons, \$743).

1940: Andalusite, apatite, natural sulfonated bitumen, chats (3,786,906 short tons, \$572,739), dumortierite, flint lining for tube mills, pebbles for grinding, silica sand and sandstone (ground) (342,218 short tons, \$2,088,314), strontium minerals, and sulfur ore (280 long tons, \$3,203).

1941: Andalusite, apatite, natural sulfonated bitumen, chats (5,291,491 short tons, \$897,940), dumortierite, flint lining for tube mills (3,411 short tons, \$54,216), pebbles for grinding (13,561 short tons, \$221,826), silica sand and sandstone (ground) (487,665 short tons, \$3,073,730), strontium minerals (4,724 short tons, \$69,054), and sulfur ore (409 long tons, \$2,553).

STATISTICAL SUMMARY OF MINERAL PRODUCTION

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Value of mineral products of the United States, 1880-1941¹

Year	Metallic	Nonmetallic			Grand total
		Fuels ²	Other	Total	
1880 ¹	\$190,881,000	\$120,241,000	\$56,341,000	\$176,582,000	\$367,463,000
1881	192,663,000	149,798,000	60,659,000	210,457,000	403,120,000
1882	219,070,000	170,470,000	63,557,000	234,036,000	453,106,000
1883	201,131,000	185,760,000	61,170,000	246,930,000	448,061,000
1884	182,784,000	165,825,000	58,431,000	224,256,000	407,040,000
1885	174,718,000	183,075,000	61,758,000	244,833,000	419,551,000
1886	204,795,000	184,608,000	66,782,000	251,390,000	456,185,000
1887	241,183,000	217,251,000	77,199,000	294,450,000	535,633,000
1888	242,460,000	231,459,000	79,880,000	311,339,000	553,799,000
1889	250,823,000	208,297,000	83,206,000	291,503,000	542,326,000
1890	303,937,000	230,962,000	86,530,000	311,492,000	615,429,000
1891	280,985,000	237,160,000	82,704,000	319,864,000	600,849,000
1892	284,215,000	248,344,000	89,673,000	338,017,000	622,232,000
1893	223,654,000	251,735,000	70,104,000	321,839,000	545,493,000
1894	187,335,000	235,618,000	127,292,000	362,910,000	550,245,000
1895	248,533,000	268,438,000	125,720,000	394,158,000	642,691,000
1896	252,575,000	268,161,000	120,305,000	388,466,000	641,041,000
1897	270,434,000	253,598,000	127,580,000	381,178,000	651,612,000
1898	308,747,000	267,513,000	150,782,000	418,295,000	727,042,000
1899	484,021,000	340,773,000	185,302,000	526,075,000	1,010,096,000
1900	514,232,000	405,376,000	188,328,000	594,764,000	1,108,936,000
1901	493,814,000	442,409,000	218,855,000	661,264,000	1,155,078,500
1902	605,617,000	469,079,000	253,855,000	722,934,000	1,327,951,000
1903	589,253,000	634,226,000	271,902,000	906,128,000	1,495,381,000
1904	501,514,000	584,043,000	273,824,000	857,867,000	1,359,181,000
1905	792,785,000	602,253,000	318,722,000	920,980,000	1,723,765,000
1906	886,280,000	652,398,000	362,202,000	1,014,600,000	1,900,880,000
1907	904,151,000	789,128,000	376,291,000	1,165,419,000	2,069,570,000
1908	550,890,000	716,034,000	324,849,000	1,040,883,000	1,591,773,000
1909	755,092,000	746,204,000	385,811,000	1,132,013,000	1,887,107,000
1910	750,027,000	823,213,000	409,604,000	1,237,817,000	1,987,844,000
1911	681,023,000	835,762,000	427,295,000	1,243,058,000	1,924,081,000
1912	862,191,000	945,541,000	430,062,000	1,375,603,000	2,237,794,000
1913	379,058,000	1,087,543,000	466,644,000	1,554,487,000	2,433,545,000
1914	687,101,000	992,837,000	431,234,000	1,424,071,000	2,111,172,000
1915	993,353,000	972,617,000	428,674,000	1,401,291,000	2,394,644,000
1916	1,622,129,000	1,352,584,000	553,726,000	1,886,310,000	3,508,439,000
1917	2,083,914,000	2,237,837,000	665,745,000	2,903,582,000	4,987,496,000
1918	2,156,588,000	2,736,151,000	647,969,000	3,384,120,000	5,540,708,000
1919	1,361,099,000	2,510,394,000	751,777,000	3,262,671,000	4,323,770,000
1920	1,763,675,000	4,192,910,000	1,024,755,000	5,217,665,000	6,981,540,000
1921	654,700,000	2,703,470,000	780,330,000	3,483,800,000	4,138,500,000
1922	983,100,000	2,737,880,000	921,310,000	3,659,190,000	4,647,290,000
1923	1,511,930,000	3,317,100,000	1,157,470,000	4,474,570,000	5,986,500,000
1924	1,233,370,000	2,898,630,000	1,173,800,000	4,072,430,000	5,305,800,000
1925	1,382,155,000	3,058,680,000	1,236,795,000	4,295,475,000	5,677,630,000
1926	1,405,545,000	3,541,916,000	1,266,339,000	4,808,255,000	6,213,600,000
1927	1,220,633,000	3,060,047,000	1,249,320,000	4,309,367,000	5,530,000,000
1928	1,288,290,000	2,884,962,000	1,211,943,000	4,096,910,000	5,385,200,000
1929	1,450,380,000	3,190,527,000	1,216,683,000	4,407,210,000	5,887,600,000
1930	985,790,000	2,764,500,000	1,014,510,000	3,779,010,000	4,764,800,000
1931	569,790,000	1,892,400,000	704,410,000	2,596,310,000	3,166,600,000
1932	285,875,000	1,743,400,000	432,425,000	2,175,825,000	2,461,700,000
1933	417,063,000	1,383,400,000	454,635,000	2,138,035,000	2,555,100,000
1934	548,934,000	2,233,300,000	543,165,000	2,776,466,000	3,325,400,000
1935	739,130,000	2,330,000,000	586,870,000	2,916,870,000	3,650,000,000
1936	1,081,600,000	2,759,200,000	716,000,000	3,475,200,000	4,556,800,000
1937	1,463,200,000	3,200,500,000	744,700,000	3,945,200,000	5,413,400,000
1938	892,600,000	2,820,300,000	650,300,000	3,470,600,000	4,363,200,000
1939	1,291,700,000	2,834,300,000	783,200,000	3,622,500,000	4,914,200,000
1940	1,679,500,000	3,116,500,000	818,800,000	3,935,300,000	5,614,800,000
1941 ²	2,137,100,000	3,628,900,000	1,051,300,000	4,680,200,000	6,817,300,000
Grand total	48,519,127,000	87,534,352,000	29,740,410,000	117,274,762,000	165,823,889,000

¹ Figures for earlier years not available.

² Coal, natural gas, natural gas line, petroleum.

³ Subject to revision.

The sum of the following State totals does not reach the total for the United States given in the preceding table partly because figures for certain of the products included in the United States total are not available by States of origin. This fact is brought out in the opening text of this chapter and in the second table following.

In addition, there are many factors (the more important discussed in the opening text) that account for the disagreement between the sum of the State totals and the grand total for the United States, by products. Chief among these are: (1) The use of iron ore values in State totals and pig iron values in United States total; (2) the use of mine figures for gold, silver, copper, lead, and zinc in the State totals and mint and smelter figures (supplemented by the value of byproduct sulfuric acid from copper and zinc smelting and zinc roasting and the value of zinc and lead pigments made in large part direct from ores) in the United States total; and (3) the inclusion of estimates in the United States total for a few products for which no canvass has been conducted for many years and for which no estimate by States is made.

Many other less important differences are involved, but both State and United States totals are as complete and definite as seems possible with the data available. The practice is consistent from year to year, and it is believed that the reader can determine readily just what minerals are covered by the total concerned.

In every table each mineral produced is listed, and all figures are shown except those that the Bureau of Mines is not at liberty to publish.

STATISTICAL SUMMARY OF MINERAL PRODUCTION

9

 Value of mineral products of the United States, 1936-40, by States¹

State	1936	1937	1938	1939	1940
Alabama	\$44,752,688	\$53,518,993	\$46,296,293	\$52,158,173	\$64,998,018
Alaska	23,737,714	27,927,958	28,796,753	25,673,566	28,724,221
Arizona	60,532,996	94,564,494	60,756,253	75,087,930	85,277,347
Arkansas	21,296,783	25,578,393	29,395,086	29,572,632	37,479,135
California	437,565,809	476,880,603	490,108,428	467,612,196	455,672,038
Colorado	56,214,827	67,338,548	60,369,440	64,144,557	63,188,421
Connecticut	3,317,494	3,689,554	3,059,688	4,306,351	3,914,177
Delaware	444,093	397,362	320,621	401,333	457,326
District of Columbia	547,576	522,687	568,717	591,837	640,480
Florida	12,973,243	13,811,958	12,866,981	13,060,453	14,854,206
Georgia	11,756,592	12,584,060	11,598,421	14,633,655	16,332,335
Idaho	29,965,964	40,633,119	31,738,606	33,138,452	40,799,920
Illinois	117,916,128	133,437,554	130,155,083	210,798,331	277,943,011
Indiana	52,281,539	54,886,756	47,892,364	53,884,995	58,975,110
Iowa	28,359,140	26,941,350	24,794,058	25,170,181	26,006,904
Kansas	121,689,562	154,376,403	129,675,438	122,959,513	130,859,886
Kentucky	113,435,307	127,423,680	106,654,903	112,840,566	131,974,410
Louisiana	153,358,397	182,118,905	172,306,761	168,903,151	189,153,312
Maine	3,423,353	4,129,391	3,548,638	3,769,791	4,374,976
Maryland	11,157,550	10,634,854	9,407,723	11,781,531	3,605,171
Massachusetts	7,559,253	7,813,345	6,666,281	8,242,956	7,573,122
Michigan	100,646,492	119,167,573	81,380,602	116,088,154	124,774,581
Minnesota	94,568,991	152,107,070	51,425,289	106,455,607	128,571,690
Mississippi	3,846,104	4,821,950	5,209,547	5,192,156	7,239,647
Missouri	41,350,860	52,446,272	39,560,739	45,633,707	50,324,566
Montana	65,569,150	82,086,815	48,602,547	63,343,802	79,487,873
Nebraska	3,843,562	4,837,809	4,028,712	4,390,291	4,692,146
Nevada	32,693,129	38,871,816	27,031,281	34,670,879	42,570,529
New Hampshire	1,182,055	1,219,869	1,146,606	1,187,339	1,065,337
New Jersey	24,421,046	31,467,931	24,408,545	30,441,758	33,653,732
New Mexico	45,942,006	72,855,745	63,568,953	69,987,797	80,969,723
New York	71,647,775	77,665,874	73,217,430	78,409,560	76,119,505
North Carolina	9,955,519	11,160,444	14,959,228	18,533,720	21,112,732
North Dakota	2,902,453	2,873,011	2,653,473	2,689,627	2,987,351
Ohio	122,684,043	131,025,104	104,812,531	120,681,969	130,655,129
Oklahoma	305,191,649	367,444,222	272,860,078	236,194,064	235,494,169
Oregon	7,080,975	6,609,710	7,536,408	8,637,047	11,229,670
Pennsylvania	599,457,496	599,817,364	472,773,327	531,007,890	618,347,805
Rhode Island	929,103	862,710	911,599	980,916	994,997
South Carolina	3,432,662	4,022,325	4,364,094	5,422,979	5,305,597
South Dakota	23,221,620	23,472,873	23,583,359	24,813,621	23,528,825
Tennessee	31,121,865	34,893,847	32,428,512	39,813,234	42,683,407
Texas	638,643,488	813,290,605	740,147,465	701,972,035	725,005,009
Utah	61,209,302	105,652,422	59,236,355	80,127,521	104,332,989
Vermont	6,225,396	7,042,547	6,439,552	6,972,234	6,979,772
Virginia	37,295,168	46,019,085	42,370,169	43,902,881	50,003,672
Washington	22,921,456	26,658,257	21,167,004	31,585,704	28,090,188
West Virginia	271,501,941	306,590,947	254,995,309	276,084,118	329,891,960
Wisconsin	13,277,983	15,239,524	10,636,741	12,704,942	13,553,683
Wyoming	34,498,261	41,087,908	37,364,363	39,413,001	43,073,533

¹ In this table iron ore, not pig iron, is taken as the basis of iron valuation, and for other metals mine production (recoverable content of metals) is the basis. State totals for 1941 not yet available.

Mineral products of the United States and principal producing States in 1940

Rank in value	Product	Principal producing States 1	
		In order of quantity	In order of value
14	Aluminum	New York, Tennessee, North Carolina, Washington	Rank same as for quantity.
91	Andalusite	Nevada	Do.
(2)	Antimonial lead	Not separable by States	Not separable by States.
81	Antimony ore	Nevada, Idaho, Alaska, California	Alaska, Nevada, Idaho, California.
82	Aplite	Virginia	Rank same as for quantity.
62	Arsenious oxide	Montana, Utah	Do.
58	Asbestos	Vermont, Arizona, Georgia, North Carolina	Do.
	Asphalt:		
41	Native	Texas, Oklahoma, Kentucky, Alabama	Kentucky, Utah, Oklahoma, Texas.
19	Oil	Not separable by States	Not separable by States.
42	Barite (crude)	Missouri, Georgia, Tennessee, California	Missouri, Tennessee, Georgia, California.
43	Bauxite	Arkansas, Alabama, Georgia, Virginia	Rank same as for quantity.
94	Beryllium ore (beryl)	South Dakota, Colorado, Maine	Do.
55	Bismuth	Not separable by States	Not separable by States.
97	Bitumen (natural sulfonated)	Utah	Rank same as for quantity.
34	Boron minerals	California	Do.
28	Bromine	North Carolina, Michigan, California, West Virginia	Do.
37	Cadmium	Not separable by States	Not separable by States.
57	Calcium-magnesium chloride	Michigan, West Virginia, California, Ohio	Rank same as for quantity.
8	Cement	Pennsylvania, California, New York, Michigan	Pennsylvania, California, New York, Texas.
60	Chats	Oklahoma, Missouri, Kansas	Rank same as for quantity.
87	Chromite	California, Oregon	Do.
	Clay:		
12	Products (other than pottery and refractories).		Ohio, Pennsylvania, California, Illinois.
24	Raw (sold by producers)	Pennsylvania, Georgia, Ohio, Missouri	Georgia, Pennsylvania, Missouri, Kentucky.
2	Coal:		
	Bituminous	West Virginia, Pennsylvania, Illinois, Kentucky	Pennsylvania, West Virginia, Kentucky, Illinois.
	Pennsylvania anthracite	Pennsylvania	Rank same as for quantity.
84	Cobalt oxide	do.	Do.
5	Coke	Pennsylvania, Ohio, Indiana, New York	Do.
7	Copper	Arizona, Utah, Montana, Nevada	Do.
49	Diatomite	California, Washington, Oregon, Nevada	California, Washington, Oregon, Florida.
96	Dumortierite	Nevada	Rank same as for quantity.
90	Emery	New York	Do.
51	Feldspar (crude)	North Carolina, South Dakota, New Hampshire, Colorado	North Carolina, South Dakota, New Hampshire, Connecticut.
11	Ferro-alloys	Pennsylvania, New York, Ohio, West Virginia	Pennsylvania, New York, West Virginia, Ohio.
92	Flint lining for tube mills	Minnesota	Rank same as for quantity.
36	Fluorspar	Illinois, Kentucky, Colorado, New Mexico	Do.
50	Fuller's earth	Georgia, Texas, Florida, Illinois	Georgia, Florida, Texas, Illinois.
72	Garnet (abrasive)	New York, Vermont, North Carolina, Idaho	Rank same as for quantity.
(3)	Gem and precious stones	No canvass for 1940	No canvass for 1940.
6	Gold	California, Alaska, South Dakota, Nevada	Rank same as for quantity.

98	Graphite: Amorphous.....	Nevada.....	Do.
64	Grinckstones and pulpstones.....	Ohio, West Virginia, Washington.....	Do.
35	Gypsum (crude).....	New York, Michigan, Iowa, Texas.....	New York, Michigan, Nevada, Iowa.
79	Helium.....	Texas.....	Rank same as for quantity.
65	Iodine (natural).....	California.....	Do.
	Iron:		
9	Ore.....	Minnesota, Michigan, Alabama, Pennsylvania.....	Do.
3	Pig.....	Pennsylvania, Ohio, Indiana, Illinois.....	Do.
54	Sinter.....	Tennessee.....	Do.
78	Kyanite.....	California, Virginia, Georgia, North Carolina.....	Do.
18	Lead.....	Missouri, Idaho, Utah, Montana.....	Do.
21	Lime.....	Ohio, Pennsylvania, Missouri, West Virginia.....	Do.
80	Lithium minerals.....	South Dakota, California, North Carolina.....	California, South Dakota, North Carolina.
44	Magnesite (crude).....	Washington, California, Texas, Nevada.....	Washington, California, Nevada, Texas.
38	Magnesium.....	Michigan.....	Rank same as for quantity.
45	Magnesium salts (natural).....	Michigan, Nevada, California, Washington.....	Michigan, California, Nevada, Washington.
53	Manganese ore.....	Montana, Tennessee, Arkansas, Georgia.....	Montana, Arkansas, Tennessee, Georgia.
39	Manganiferous ore.....	Minnesota, New Mexico, Michigan, Georgia.....	Minnesota, New Mexico, Georgia, Montana.
69	Manganiferous zinc residuum.....	New Jersey.....	Rank same as for quantity.
	Marl:		
85	Calcareous.....	Virginia, Wisconsin, West Virginia, Nevada.....	West Virginia, Wisconsin, Virginia, Nevada.
68	Greensand.....	New Jersey.....	Rank same as for quantity.
31	Mercury.....	California, Oregon, Nevada, Arkansas.....	Do.
59	Mica.....	North Carolina, Virginia, South Dakota, Colorado.....	North Carolina, Connecticut, South Dakota, Virginia.
	Scrap.....	do.....	North Carolina, Virginia, Georgia, South Dakota.
	Sheet.....	North Carolina, Connecticut, New Hampshire, South Dakota.....	Rank same as for quantity.
93	Millstones.....		North Carolina, Virginia, New York.
23	Mineral paints (zinc and lead pigments).....	Pennsylvania, Illinois, Kansas, Indiana.....	Rank same as for quantity.
(9)	Mineral waters.....	No canvass for 1940.....	No canvass for 1940.
25	Molybdenum.....	Colorado, Utah, New Mexico, Arizona.....	Rank same as for quantity.
4	Natural gas.....	Texas, California, Louisiana, Oklahoma.....	Texas, California, West Virginia, Louisiana.
16	Natural gasoline.....	Texas, California, Oklahoma, Louisiana.....	California, Texas, Oklahoma, Louisiana.
71	Nickel.....	Not separable by States.....	Not separable by States.
77	Oilstones, etc.....	Arkansas, Ohio, New Hampshire, Indiana.....	Rank same as for quantity.
89	Olivine.....	North Carolina.....	Do.
(9)	Ores (crude), etc.:		
	Copper.....	Utah, Arizona, New Mexico, Nevada.....	Value not available.
	Dry and siliceous (gold and silver).....	Alaska, California, Nevada, South Dakota.....	Do.
	Lead.....	Missouri, Idaho, Utah, Montana.....	Do.
	Lead-copper.....	Utah, Colorado, Idaho, Montana.....	Do.
	Zinc.....	Oklahoma, Tennessee, Kansas, New Jersey.....	Do.
	Zinc-copper.....	Arizona.....	Do.
	Zinc-lead.....	Oklahoma, Kansas, Idaho, Utah.....	Do.
	Zinc-lead-copper.....	Utah.....	Do.
63	Peat.....	New York, New Jersey, Pennsylvania, Maine.....	New York, Maine, New Jersey, Michigan.
88	Pebbles for grinding.....	Minnesota, North Carolina, California.....	Rank same as for quantity.
1	Petroleum.....	Texas, California, Oklahoma, Illinois.....	Do.
27	Phosphate rock.....	Florida, Tennessee, Idaho, Montana.....	Do.
47	Platinum metals.....	Alaska, California, Oregon, Montana.....	Do.
26	Potassium salts.....	New Mexico, California, Utah, Maryland.....	Do.
66	Pumice.....	Kansas, California, Nebraska, New Mexico.....	California, Kansas, New Mexico, Nebraska.

See footnotes at end of table.

Mineral products of the United States and principal producing States in 1940—Continued

Rank in value	Product	Principal producing States	
		In order of quantity	In order of value
48	Pyrites.....	Tennessee, Virginia, California, New York.....	Rank same as for quantity.
22	Salt.....	Michigan, New York, Ohio, Louisiana.....	Michigan, New York, Louisiana, Ohio.
13	Sand and gravel.....	California, New York, Michigan, Illinois.....	California, Pennsylvania, New York, Ohio.
52	Sand-lime brick.....	New York, New Jersey, Michigan, Minnesota.....	New York, Michigan, New Jersey, Massachusetts.
61	Selenium.....	Not separable by States.....	Not separable by States.
74	Silica (quartz).....	Wisconsin, New Jersey, North Carolina, Tennessee.....	New Jersey, Wisconsin, North Carolina, California.
46	Silica sand and sandstone (ground).....	Illinois, New Jersey, West Virginia, Ohio.....	Illinois, New Jersey, Ohio, West Virginia.
17	Silver.....	Idaho, Montana, Utah, Colorado.....	Rank same as for quantity.
33	Slate.....	Pennsylvania, Vermont, New York, Virginia.
29	Sodium salts (other than NaCl) (natural).....	California, Texas, Utah, Wyoming.....	Rank same as for quantity.
10	Stone.....	Pennsylvania, Michigan, Ohio, New York.....	Pennsylvania, New York, Ohio, Illinois.
86	Strontium minerals.....	Texas, California, Washington, Ohio.....	Rank same as for quantity.
20	Sulfur.....	Texas, Louisiana, California, Utah.....	Do.
30	Sulfuric acid from copper and zinc smelters and roasters and from roasting of high-sulfide gold and silver concentrates.....	Pennsylvania, Illinois, Tennessee, Arizona.....	Pennsylvania, Illinois, Tennessee, Oklahoma.
95	Sulfur ore.....	Texas, Colorado, Nevada.....	Rank same as for quantity.
40	Talc, pyrophyllite, and ground soapstone ¹	New York, North Carolina, Vermont, California.....	New York, California, Vermont, North Carolina.
76	Tellurium.....	Not separable by States.....	Not separable by States.
83	Tin.....	Alaska, South Dakota, New Mexico, Montana.....	Rank same as for quantity.
	Titanium ore:		
73	Ilmenite.....	Virginia, Florida.....	Do.
67	Rutile.....	Virginia, Arkansas, Florida.....	Do.
70	Tripoli.....	Missouri, Illinois, Arkansas, Oklahoma.....	Illinois, Missouri, Arkansas, Oklahoma.
32	Tungsten ore.....	California, Nevada, Colorado, Arizona.....	Rank same as for quantity.
56	Uranium and vanadium ores.....	Colorado, Utah.....	Do.
75	Vermiculite.....	Montana, North Carolina, Wyoming, Texas.....	Montana, North Carolina, Wyoming, Colorado.
15	Zinc.....	Oklahoma, New Jersey, Idaho, Kansas.....	Rank same as for quantity.

¹ Rank of States in metal production (except aluminum, ferro-alloys, and pig iron) arranged according to mine reports, not smelter output.

² Separate figures for antimonial lead from primary sources not available.

³ No canvass for 1940.

⁴ Value not available.

⁵ Exclusive of soapstone used as dimension stone (all from Virginia), which is included in figures for stone.

States and their principal mineral products in 1940¹

State	Rank	Percent of total value for United States	Principal mineral products in order of value
Alabama	18	1.39	Coal, iron ore, cement, stone.
Alaska	29	.62	Gold, platinum metals, coal, silver.
Arizona	14	1.82	Copper, gold, silver, zinc.
Arkansas	27	.80	Petroleum, coal, natural gas, bauxite.
California	3	9.75	Petroleum, natural gas, gold, natural gasoline.
Colorado	19	1.35	Coal, molybdenum, gold, silver.
Connecticut	45	.08	Stone, clay products, sand and gravel, feldspar.
Delaware	50	.01	Clay products, stone, sand and gravel, raw clay.
District of Columbia	49	.01	Clay products, stone.
Florida	35	.32	Phosphate rock, stone, cement, sand and gravel.
Georgia	34	.36	Stone, raw clay, clay products, cement.
Idaho	26	.87	Silver, lead, zinc, gold.
Illinois	5	5.95	Petroleum, coal, stone, cement.
Indiana	20	1.26	Coal, cement, stone, petroleum.
Iowa	31	.56	Coal, cement, stone, clay products.
Kansas	9	2.80	Petroleum, natural gas, zinc, coal.
Kentucky	8	2.82	Coal, natural gas, petroleum, stone.
Louisiana	7	4.05	Petroleum, natural gas, sulfur, salt.
Maine	44	.09	Stone, sand and gravel, cement, clay products.
Maryland	37	.27	Coal, sand and gravel, cement, clay products.
Massachusetts	39	.16	Stone, sand and gravel, clay products, lime.
Michigan	12	2.67	Iron ore, petroleum, cement, copper.
Minnesota	11	2.75	Iron ore, manganese ore, stone, sand and gravel.
Mississippi	40	.16	Petroleum, natural gas, clay products, sand and gravel.
Missouri	21	1.08	Lead, cement, coal, stone.
Montana	16	1.70	Copper, gold, silver, natural gas.
Nebraska	43	.10	Cement, sand and gravel, stone, clay products.
Nevada	25	.91	Copper, gold, silver, tungsten ore.
New Hampshire	47	.02	Stone, sand and gravel, clay products, feldspar.
New Jersey	28	.72	Zinc, clay products, sand and gravel, iron ore.
New Mexico	15	1.73	Petroleum, copper, natural gas, potassium salts.
New York	17	1.63	Cement, petroleum, stone, natural gas.
North Carolina	33	.45	Bromine, stone, clay products, sand and gravel.
North Dakota	46	.06	Coal, sand and gravel, clay products, stone.
Ohio	10	2.80	Coal, clay products, natural gas, stone.
Oklahoma	6	5.04	Petroleum, natural gas, zinc, natural gasoline.
Oregon	38	.24	Gold, stone, mercury, cement.
Pennsylvania	2	13.23	Coal, natural gas, petroleum, cement.
Rhode Island	48	.02	Stone, sand and gravel, clay products, lime.
South Carolina	42	.11	Clay products, stone, raw clay, gold.
South Dakota	32	.50	Gold, stone, cement, sand and gravel.
Tennessee	24	.91	Coal, stone, cement, zinc.
Texas	1	15.51	Petroleum, natural gas, sulfur, natural gasoline.
Utah	13	2.23	Copper, gold, silver, coal.
Vermont	41	.15	Stone, slate, asbestos, lime.
Virginia	22	1.07	Coal, stone, cement, clay products.
Washington	30	.60	Cement, coal, sand and gravel, gold.
West Virginia	4	7.06	Coal, natural gas, petroleum, stone.
Wisconsin	36	.29	Stone, iron ore, sand and gravel, cement.
Wyoming	23	.92	Petroleum, coal, natural gas, natural gasoline.

¹ In this table iron ore, not pig iron, is taken as the basis of iron valuation, and for other metals mine production (recoverable content of metals) is the basis.

Prices of gold, silver, copper, lead, and zinc, 1932-41¹

Year	Gold ²	Silver ³	Copper ⁴	Lead ⁴	Zinc ⁴
	Per fine ounce	Per fine ounce	Per pound	Per pound	Per pound
1932	\$20.67+	\$0.282	\$0.063	\$0.030	\$0.030
1933	25.58	.350	.064	.037	.042
1934	34.95	6.646+	.080	.037	.045
1935	35.00	7.1875	.083	.040	.044
1936	35.00	.7745	.092	.046	.050
1937	35.00	.7735	.121	.059	.065
1938	35.00	6.646+	.098	.046	.048
1939	35.00	7.678+	.104	.047	.052
1940	35.00	8.711+	.113	.050	.063
1941	35.00	8.711+	.118	.057	.075

¹ Treasury legal coinage value of gold from January 18, 1837, to January 31, 1934, was \$20.67+ per fine ounce. For table of prices for silver, copper, lead, and zinc from 1850 to 1931, by years, see Mineral Resources, 1931, pt. 1, p. A115.

² 1932: Legal coinage value; 1933-34: Yearly average weighted Government price; 1935-41: Price under authority of Gold Reserve Act of January 31, 1934.

³ 1932-33: Average New York price for bar silver; 1934 and 1936-41: Treasury buying price for newly mined silver; 1935-37: Yearly average weighted Treasury buying price for newly mined silver

⁴ Yearly average weighted price of all grades of primary metal sold by producers.

⁵ \$20.671835.

⁶ \$9.64646464.

⁷ \$0.67878787.

⁸ \$0.71111111.

STATE TABLES

Mineral production of Alabama, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asphalt (native)..... short tons.....	(1)	(1)	(1)	(1)
Barite..... do.....	(1)	(1)	(1)	(1)
Bauxite..... long tons.....	(1)	(1)	(1)	(1)
Cement..... barrels.....	2 5, 042, 921	2 \$6, 690, 765	2 5, 249, 759	2 \$7, 617, 405
Clay:				
Products (other than pottery and refractories)		2 2, 306, 712		2 2, 394, 000
Raw (sold by producers)..... short tons.....	51, 015	85, 933	144, 364	143, 363
Coal..... do.....	4 12, 046, 675	4 27, 741, 791	6 15, 324, 163	6 35, 777, 923
Coke..... do.....	3, 864, 505	6 10, 917, 559	4, 727, 378	6 13, 748, 837
Ferro-alloys..... do.....	31, 440	6 1, 802, 917	45, 184	6 3, 422, 111
Gold..... troy ounces.....	3	105	5	175
Iron:				
Ore..... long tons.....	5, 985, 208	9, 971, 024	7, 330, 412	12, 606, 369
Pig..... short tons.....	3, 043, 602	6 43, 902, 681	3, 476, 072	6 49, 706, 851
Lime..... do.....	176, 513	1, 004, 785	234, 147	1, 359, 371
Manganese ore..... long tons.....	187	3, 742	243	(1)
Manganiferous ore..... do.....	519	4, 561	342	(1)
Mica:				
Scrap..... short tons.....			(1)	(1)
Sheet..... pounds.....			(1)	(1)
Mineral waters..... gallons sold.....	(7)	(7)	(7)	(7)
Ore (dry and siliceous) (gold and silver) short tons.....	10	(9)	900	(9)
Sand and gravel..... do.....	1, 283, 577	687, 265	1, 940, 945	936, 724
Silver..... troy ounces.....			3	2
Stone..... short tons.....	1, 855, 990	2, 516, 584	2, 496, 480	3, 048, 043
Miscellaneous 2..... short tons.....		1, 146, 906		1, 114, 643
Total value, eliminating duplications.....		52, 158, 173		64, 998, 018

¹ Value included under "Miscellaneous."

² Exclusive of puzzolan, value for which is included under "Miscellaneous."

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁵ According to Bituminous Coal Division; value includes selling expenses.

⁶ Value not included in total value for State.

⁷ No canvass.

⁸ Not valued as ore; value of recoverable metal content included under the metals.

⁹ Includes minerals indicated by "11" and "12" above.

Mineral production of Alaska, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Antimony ore (concentrates)..... short tons.....	(1)	(1)	(1)	(1)
Arsenic..... do.....	(9)	(9)	(9)	(9)
Coal..... do.....	2 146, 250	2 \$585, 000	2 178, 970	2 \$695, 000
Copper..... pounds.....	256, 000	26, 624	110, 000	12, 430
Gold..... troy ounces.....	676, 737	23, 688, 795	755, 970	26, 458, 950
Lead..... short tons.....	937	88, 078	779	77, 900
Mercury..... fasks (76 pounds).....			162	23, 653
Ores (crude), etc.:				
Copper:				
Dry and siliceous (gold and silver)..... short tons.....	165	(1)		(1)
Platinum metals (crude)..... troy ounces.....	4, 751, 492	(1)	4, 885, 023	(1)
Sand and gravel..... short tons.....	31, 300	997, 000	32, 300	1, 083, 000
Silver..... troy ounces.....	42, 332	23, 112	515, 011	103, 217
Stone..... short tons.....	201, 054	136, 473	191, 679	136, 305
Tin (metallic equivalent)..... short tons.....	(1)	(1)	(1)	(1)
Tin (metallic equivalent)..... do.....	37	37, 300	52	52, 000
Miscellaneous 2..... do.....		94, 184		66, 766
Total value, eliminating duplications.....		25, 673, 566		28, 724, 221

¹ Value included under "Miscellaneous."

² Figures not available.

³ According to the Alaskan Branch of the Geological Survey.

⁴ Not valued as ore; value of recoverable metal content included under the metals.

⁵ "Government-and-contractor." Value of "Commercial" included under "Miscellaneous."

⁶ Includes minerals indicated by "11" and "12" above.

Mineral production of Arizona, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Antimony ore (concentrates).....short tons..			(1)	(1)
Arsenious oxide.....do.....	(2)	(2)	(2)	(2)
Asbestos.....do.....	904	\$95,807	1,197	\$149,290
Barite.....do.....	(1)	(1)		
Bismuth.....pounds.....			(2)	(2)
Clay: Products (other than pottery and refractories).....		\$ 237,542		\$ 306,000
Raw (sold by producers).....short tons..	(1)	(1)	(1)	(1)
Coal.....do.....	(1 4)	(1 4)	(1 4)	(1 4)
Copper.....pounds.....	524,224,000	54,519,296	562,338,000	63,544,194
Feldspar (crude).....long tons..	(1)	(1)	(1)	(1)
Fluorspar.....short tons..	(1)	(1)	(1)	(1)
Gems and precious stones.....		(2)		(2)
Gold.....troy ounces..	316,453	11,075,855	294,807	10,318,245
Gypsum (crude).....short tons..	(1)	(1)		
Lead.....do.....	10,771	1,012,474	13,266	1,326,600
Lime.....do.....	57,233	448,860	67,882	502,998
Manganese ore.....long tons..			369	4,940
Mercury.....flasks (76 pounds)..	(1)	(1)	740	130,884
Mica, scrap.....short tons..	(1)	(1)	(1)	(1)
Molybdenum.....pounds.....	711,192	(1)	406,306	(1)
Ores (crude), etc.: Copper.....short tons..	17,468,926	(7)	20,284,826	(7)
Dry and siliceous (gold and silver).....do.....	1,042,004	(7)	928,448	(7)
Lead.....do.....	9,778	(7)	8,813	(7)
Lead-copper.....do.....	30	(7)	44	(7)
Zinc.....do.....	670	(7)		
Zinc.....do.....	67,074	(7)	79,044	(7)
Zinc-copper.....do.....	204,778	(7)	271,000	(7)
Zinc-lead.....do.....	655,155	261,316	245,602	114,500
Sand and gravel.....do.....				
Sand-lime brick.....thousands of brick..	(1 8)	(1 8)	(1 8)	(1 8)
Silica (quartz).....short tons..	(1)	(1)	(1)	(1)
Silver.....troy ounces..	7,824,004	5,310,839	7,075,215	5,031,264
Silver.....short tons..	665,290	626,281	1,149,000	1,043,101
Stone.....do.....	(1 10)	(1 10)	(1 10)	(1 10)
Sulfuric acid 1.....do.....	100	103,980	349	471,546
Tungsten ore (60-percent concentrates).....do.....	(1)	(1)	(1)	(1)
Vanadium from complex ore.....short tons..	6,711	697,944	15,456	1,947,456
Zinc.....do.....				
Miscellaneous 11.....		1,183,915		798,684
Total value, eliminating duplications.....		75,087,930		85,277,347

1 Value included under "Miscellaneous."

2 Figures not available.

3 Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

4 According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

5 According to Bituminous Coal Division; value includes selling expenses.

6 No canvass.

7 Not valued as ore; value of recoverable metal content included under the metals

8 Figures obtained through cooperation with Bureau of the Census.

9 From copper smelting.

10 Value not included in total value for State.

11 Includes minerals indicated by "1" above.

Mineral production of Arkansas, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Barite..... short tons.....			(1)	(1)
Bauxite..... long tons.....	361,256	\$2,074,954	423,283	\$2,501,393
Cement..... barrels.....	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$944,661		\$792,780
Raw (sold by producers)..... short tons.....	(1)	(1)	24,997	13,845
Coal..... do.....	\$1,152,038	\$3,655,438	\$1,453,611	\$4,879,286
Gems and precious stones.....		(9)		(9)
Lead..... short tons.....			55	5,500
Lime..... do.....	(1)	(1)	(1)	(1)
Manganese ore..... long tons.....	5,365	(1)	6,079	(1)
Manganiferous ore..... do.....	1,970	(1)	1,075	(1)
Mercury..... flasks (76 pounds).....	364	37,834	1,159	204,992
Mineral waters..... gallons sold.....	(9)	(9)	(9)	(9)
Natural gas..... M cubic feet.....	10,107,000	1,996,000	14,379,000	2,622,000
Natural gasoline..... gallons.....	24,634,000	962,000	32,096,000	818,000
Oilstones..... short tons.....	(1)	(1)	(1)	(1)
Ores (crude), etc.:				
Lead..... do.....	(9)	(7)	(9)	(7)
Zinc..... do.....	(9)	(7)	(9)	(7)
Petroleum..... barrels.....	21,238,000	16,790,000	25,775,000	21,700,000
Sand and gravel..... short tons.....	2,646,793	1,030,270	2,664,178	1,068,701
Slate.....		(1)		(1)
Stone..... short tons.....	641,460	640,330	1,222,690	1,152,328
Titanium minerals: Rutile..... do.....	(1)	(1)	(1)	(1)
Tripoli..... do.....	(1)	(1)	(1)	(1)
Zinc..... do.....	123	12,792	440	55,440
Miscellaneous ¹		1,428,353		1,664,870
Total value, eliminating duplications.....		29,572,632		37,479,135

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ No canvass.

⁶ Figures not available.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ Includes minerals indicated by "(1)" above.

Mineral production of California, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Andalusite..... short tons.....	(1)	(1)		
Antimony ore (concentrates)..... do.....	(1)	(1)	74	\$3, 700
Arsenious oxide..... do.....	(2)	(2)	(9)	(2)
Asphalt (native)..... do.....	(1)	(1)	(1)	(1)
Barite..... do.....	(1)	(1)	(1)	(1)
Boron minerals..... do.....	244, 984	\$5, 685, 297	243, 355	5, 643, 390
Bromine..... pounds.....	(1)	(1)	(1)	(1)
Calcium chloride..... short tons.....			(1)	(1)
Cement..... barrels.....	11, 293, 989	15, 889, 395	13, 813, 362	17, 296, 522
Chromite..... long tons.....	3, 514	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$ 8, 304, 038		\$ 8, 417, 000
Raw (sold by producers)..... short tons.....	310, 710	894, 809	343, 526	926, 633
Copper..... pounds.....	8, 360, 000	869, 440	12, 876, 000	1, 454, 988
Diatomite..... short tons.....	(1)	(1)	(1)	(1)
Feldspar (crude)..... long tons.....	2, 076	12, 655	2, 711	18, 254
Fuller's earth..... short tons.....	(1)	(1)		
Gems and precious stones.....		(4)		(4)
Gold..... troy ounces.....	1, 435, 264	50, 284, 240	1, 455, 671	50, 948, 485
Gypsum (crude)..... short tons.....	188, 364	306, 350	259, 321	437, 504
Iodine..... pounds.....	(1)	(1)	(1)	(1)
Iron ore..... long tons.....	17, 173	(1)	1, 071	(1)
Kyanite..... short tons.....	(1)	(1)	(1)	(1)
Lead..... do.....	526	49, 444	1, 772	177, 200
Lime..... do.....	87, 407	833, 326	112, 522	1, 031, 352
Lithium minerals..... do.....	(1)	(1)	(1)	(1)
Magnesite..... do.....	(1)	(1)	(1)	(1)
Magnesium salts (natural)..... pounds.....	(1)	(1)	(1)	(1)
Manganese ore..... long tons.....	6	(1)	158	(1)
Manganiferous ore..... do.....			87	(1)
Marl, calcareous..... short tons.....	(1)	(1)		
Mercury..... flasks (76 pounds).....	11, 127	1, 156, 540	18, 629	3, 294, 911
Mica, scrap..... short tons.....	(1)	(1)	(1)	(1)
Mineral paints (zinc and lead pigments)..... do.....	(1 5)	(1 5)	(1 5)	(1 5)
Mineral waters..... gallons sold.....	(4)	(4)	(4)	(4)
Molybdenum..... pounds.....	(1)	(1)	(1)	(1)
Natural gas..... M cubic feet.....	348, 361, 000	91, 572, 000	351, 950, 000	90, 006, 000
Natural gasoline..... gallons.....	607, 237, 000	35, 454, 000	587, 476, 000	27, 901, 000
Ores (crude), etc.:				
Copper..... short tons.....	367, 477	(9)	446, 392	(9)
Dry and siliceous (gold and silver)..... do.....	5, 209, 637	(9)	4, 214, 650	(9)
Lead..... do.....	706	(9)	8, 199	(9)
Lead-copper..... do.....			11	(9)
Zinc-lead..... do.....	33	(9)	181	(9)
Peat..... do.....	4, 199	22, 240	4, 116	21, 110
Pebbles for grinding..... do.....	(1)	(1)	(1)	(1)
Petroleum..... barrels.....	224, 354, 000	229, 000, 000	223, 881, 000	216, 720, 000
Platinum metals (crude)..... troy ounces.....	1, 140	(1)	1, 400	(1)
Potassium salts..... short tons.....	(1)	(1)	(1)	(1)
Pumice..... do.....	36, 216	144, 772	32, 123	152, 885
Pyrites..... long tons.....	(1)	(1)	(1)	(1)
Salt (sodium chloride)..... short tons.....	404, 689	1, 980, 777	469, 354	2, 200, 640
Sand and gravel..... do.....	13, 661, 406	6, 711, 214	18, 913, 301	8, 988, 894
Sand and sandstone (ground)..... do.....	(1)	(1)	5, 505	39, 080
Silica (quartz)..... do.....	(1)	(1)	(1)	(1)
Silver..... troy ounces.....	2, 599, 139	1, 764, 264	2, 359, 776	1, 678, 063
Slate..... do.....		(1)		(1)
Sodium salts (carbonates and sulfates) (natural)..... short tons.....	209, 398	1, 988, 929	233, 590	2, 183, 110
Stone..... do.....	5, 734, 100	4, 673, 751	6, 340, 080	5, 048, 242
Strontium minerals..... do.....			287	4, 282
Sulfur..... long tons.....	(1)	(1)		
Sulfuric acid ⁷ short tons.....	(1 5)	(1 5)	(1 5)	(1 5)
Talc, pyrophyllite, and ground soapstone..... do.....	33, 796	483, 839	36, 282	476, 926
Titanium ore: Ilmenite..... do.....	(1)	(1)		
Tripoli..... do.....	(1)	(1)	(1)	(1)
Tungsten ore (60-percent concentrates)..... do.....	1, 263	1, 140, 597	2, 070	2, 561, 642
Zinc..... do.....	6	624	79	9, 954
Miscellaneous ⁸		8, 589, 243		8, 155, 536
Total value, eliminating duplications.....		467, 612, 196		455, 672, 038

¹ Value included under "Miscellaneous."

² Figures not available.

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ No canvass.

⁵ Value not included in total value for State.

⁶ Not valued as ore; value of recoverable metal content included under the metals.

⁷ From roasting of high-sulfide gold and silver concentrates.

⁸ Includes minerals indicated by "1" above.

Mineral production of Colorado, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Arsenious oxide..... short tons..	(1)	(1)	(1)	(1)
Barite..... do.....	(2)	(2)	(2)	(2)
Beryllium ore (beryl)..... do.....	(2)	(2)	(2)	(2)
Bismuth..... pounds.....	(1)	(1)	(1)	(1)
Cement..... barrels.....	(2)	(2)	(2)	(2)
Clay:				
Products (other than pottery and refractories):		\$ 1,687,568		\$ 1,391,000
Raw (sold by producers)..... short tons..	128,391	150,803	115,670	156,588
Coal..... do.....	⁴ 5,923,210	⁴ 14,620,726	⁶ 6,588,742	⁶ 16,644,265
Coke..... do.....	454,869	(2 ⁶)	605,965	(2 ⁶)
Copper..... pounds.....	26,430,000	2,748,720	24,304,000	2,746,352
Feldspar (crude)..... long tons.....	29,995	107,536	34,105	123,514
Ferro-alloys..... short tons.....	(2 ⁶)	(2 ⁶)	(2 ⁶)	(2 ⁶)
Fluorspar..... do.....	7,569	107,459	11,032	163,285
Fuller's earth..... do.....	(2)	(2)	(2)	(2)
Gems and precious stones.....	(7)	(7)	(7)	(7)
Gold..... troy ounces.....	366,852	12,839,820	367,336	12,856,760
Gypsum (crude)..... short tons.....	24,013	40,694	24,641	36,787
Iron, pig..... do.....	(2 ⁶)	(2 ⁶)	(2 ⁶)	(2 ⁶)
Lead..... do.....	8,222	772,868	11,476	1,147,600
Lime..... do.....	10,699	103,097	7,944	82,486
Manganese ore..... long tons.....			224	(2)
Manganiferous ore..... do.....	7,516	(2)	3,303	(2)
Mica, scrap..... short tons.....	(2)	(2)	(2)	(2)
Mineral waters..... gallons sold.....	(7)	(7)	(7)	(7)
Molybdenum..... pounds.....	25,437,893		18,600,897	(2)
Natural gas..... M cubic feet.....	2,015,000	467,000	2,533,000	573,000
Natural gasoline..... gallons.....	390,000	13,000	380,000	14,000
Ores (crude), etc.:				
Copper..... short tons.....	342,499	(9)	334,312	(9)
Dry and siliceous (gold and silver)..... do.....	1,542,235	(9)	1,528,737	(9)
Lead..... do.....	14,700	(9)	10,199	(9)
Lead-copper..... do.....	1,464	(9)	1,037	(9)
Zinc..... do.....	344	(9)	27	(9)
Zinc-lead..... do.....	13,351	(9)	283,453	(9)
Peat..... do.....	(2)	(2)	(2)	(2)
Petroleum..... barrels.....	1,404,000	1,830,000	1,626,000	1,480,000
Pumice..... short tons.....			(2)	(2)
Pyrites..... long tons.....	(2)	(2)	14,473	34,697
Salt..... short tons.....	(2)	(2)	(2)	(2)
Sand and gravel..... do.....	⁹ 627,306	⁹ 361,747	1,853,359	508,403
Silver..... troy ounces.....	8,496,488	5,767,313	9,710,709	6,905,393
Stone..... short tons.....	900,460	1,040,579	1,089,650	1,067,788
Sulfur ore..... long tons.....	36	400	89	1,000
Tungsten ore (60-percent concentrates)..... short tons.....	479	488,628	693	822,988
Uranium and vanadium ores..... do.....	85,225	(2)	92,745	(2)
Vermiculite..... do.....	(2)	(2)	(2)	(2)
Zinc..... do.....	1,830	190,320	5,060	637,560
Miscellaneous ¹⁰ do.....		29,192,106		25,105,109
Total value, eliminating duplications.....		64,144,557		63,188,421

¹ Figures not available.² Value included under "Miscellaneous."³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.⁵ According to Bituminous Coal Division; value includes selling expenses.⁶ Value not included in total value for State.⁷ No canvass.⁸ Not valued as ore; value of recoverable metal content included under the metals.⁹ "Commercial." Value of "Government-and-contractor" included under "Miscellaneous."¹⁰ Includes minerals indicated by "2" and "9" above.

Mineral production of Connecticut, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Clay:				
Products (other than pottery and refractories).....		1 \$1,257,049		1 \$1,007,612
Raw (sold by producers)..... short tons.....	(?)	(?)	(?)	(?)
Coke..... do.....	(?)	(?)	(?)	(?)
Feldspar (crude)..... long tons.....	10,033	53,120	24,404	123,348
Lime..... short tons.....	(?)	(?)	(?)	(?)
Mica:				
Scrap..... do.....	213	3,483	300	4,900
Sheet..... pounds.....	279,508	59,172	285,690	40,316
Mineral waters..... gallons sold.....	(1)	(1)	(1)	(1)
Peat..... short tons.....	(?)	(?)	(?)	(?)
Sand and gravel..... do.....	1,968,933	773,163	1,646,870	736,317
Stone..... do.....	1,816,650	2,077,366	1,915,990	1,918,132
Miscellaneous ¹		3,053,600		3,342,258
Total value, eliminating duplications.....		4,306,351		3,914,177

¹ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

² Value included under "Miscellaneous."

³ Value not included in total value for State.

⁴ No canvass.

⁵ Includes minerals indicated by "9" above.

Mineral production of Delaware, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Clay:				
Products (other than pottery and refractories).....		1 \$185,632		1 \$200,000
Raw (sold by producers)..... short tons.....	(?)	(?)	(?)	(?)
Sand and gravel..... do.....	102,850	61,556	167,138	91,913
Stone..... do.....	(?)	(?)	114,690	152,313
Miscellaneous ¹		154,145		13,100
Total value, eliminating duplications.....		401,333		457,326

¹ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

² Value included under "Miscellaneous."

³ "Commercial." Value of "Government-and-contractor" included under "Miscellaneous."

⁴ Includes minerals indicated by "9" above.

Mineral production of the District of Columbia, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Clay products (other than pottery and refractories).....		(1 3)		(1 3)
Stone..... short tons.....			(1)	(1)
Miscellaneous.....		\$591,837		\$640,480
Total value, eliminating duplications.....		591,837		640,480

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

Mineral production of Florida, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement..... barrels..	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories)		\$ 193, 110		\$ 153, 000
Raw (sold by producers)..... short tons..	(1)	(1)	(1)	(1)
Diatomite..... do.....	(1)	(1)	(1)	(1)
Ferro-alloys..... do.....	(1 3)	(1 3)	(1 3)	(1 3)
Fuller's earth..... do.....	(1)	(1)	(1)	(1)
Lime..... do.....	22, 843	215, 472	25, 038	227, 440
Mineral waters..... gallons sold..	(4)	(4)	(4)	(4)
Peat..... short tons..	(1)	(1)	(1)	(1)
Phosphate rock..... long tons..	2, 678, 784	7, 893, 457	2, 845, 012	7, 741, 177
Sand and gravel..... short tons..	1, 015, 139	779, 708	1, 162, 075	800, 085
Stone..... do.....	\$ 1, 444, 100	\$ 1, 462, 730	\$ 2, 880, 540	\$ 2, 750, 017
Titanium minerals:				
Ilmenite..... do.....			(1)	(1)
Rutile..... do.....			(1)	(1)
Miscellaneous 6..... do.....		2, 517, 786		3, 190, 127
Total value, eliminating duplications.....		13, 060, 453		14, 854, 206

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ Value not included in total value for State.

⁴ No canvass.

⁵ Exclusive of dimension unclassified stone, value for which is included under "Miscellaneous."

⁶ Includes minerals indicated by "1" and "2" above.

Mineral production of Georgia, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asbestos..... short tons..	(1)	(1)	(1)	(1)
Barite..... do.....	86, 589	\$498, 378	92, 302	\$464, 590
Bauxite..... long tons..	(1)	(1)	(1)	(1)
Cement..... barrels..	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories)		\$ 2, 375, 225		\$ 2, 582, 000
Raw (sold by producers)..... short tons..	534, 214	4, 162, 127	595, 010	4, 859, 826
Coal..... do.....	(1 3)	(1 3)	42, 307	100, 370
Copper..... pounds..			25, 200	2, 848
Fuller's earth..... short tons..	(1)	(1)	(1)	(1)
Gems and precious stones..... do.....				(1)
Gold..... troy ounces..	670	23, 450	961	33, 635
Graphite, amorphous..... short tons..	(1)	(1)		
Iron ore—				
Shipped to furnaces, etc..... long tons..	25, 846	51, 078	100, 342	182, 613
Sold for paint..... do.....	487	2, 063	944	3, 144
Kyanite..... short tons..	(1)	(1)	(1)	(1)
Lime..... do.....	6, 815	57, 663	13, 774	92, 281
Manganese ore..... long tons..	2, 646	45, 171	3, 572	68, 508
Manganiferous ore..... do.....	7, 156	35, 959	10, 293	63, 761
Mica:				
Scrap..... short tons..	(1)	(1)	(1)	(1)
Sheet..... pounds..	(1)	(1)	(1)	(1)
Mineral waters..... gallons sold..	(2)	(2)	(2)	(2)
Ore (dry and siliceous) (gold and silver) short tons..	730	(2)	6, 963	(2)
Sand and gravel..... do.....	328, 173	146, 355	490, 136	251, 591
Silver..... troy ounces..	58	39	630	448
Slate..... do.....			(1)	(1)
Stone..... short tons..	1, 988, 530	4, 838, 623	2, 507, 600	5, 034, 288
Talc and ground soapstone..... do.....	20, 090	177, 881	20, 104	219, 959
Miscellaneous 7..... do.....		2, 279, 643		2, 992, 273
Total value, eliminating duplications.....		14, 633, 655		16, 932, 335

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ No canvass.

⁶ Not valued as ore; value of recoverable metal content included under the metals.

⁷ Includes minerals indicated by "1" above.

Mineral production of Idaho, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Antimony ore (concentrates)..... short tons..	2, 677	(1)	302	\$18, 100
Arsenious oxide..... do.....	(1)	(1)	(1)	(1)
Bismuth..... pounds.....	(1)	(1)	(1)	(1)
Cement..... barrels.....	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories)		\$ 102, 071		\$ 82, 000
Raw (sold by producers)..... short tons.....	(1)	(1)	(1)	(1)
Coal..... do.....	(1)	(1)	(1)	(1)
Copper..... pounds.....	5, 032, 000	523, 328	6, 698, 000	756, 874
Diatomite..... short tons.....	(1)	(1)	(1)	(1)
Garnet, abrasive..... do.....		(1)	(1)	(1)
Gems and precious stones.....		(1)		(1)
Gold..... troy ounces.....	116, 662	4, 083, 170	140, 480	5, 126, 800
Lead..... short tons.....	90, 981	8, 552, 214	104, 834	10, 483, 400
Lime..... do.....	(1)	(1)	(1)	(1)
Manganiferous ore..... long tons.....	163	(1)	313	(1)
Mercury..... flasks (76 pounds).....	(1)	(1)	(1)	(1)
Ores (crude), etc.:				
Copper..... short tons.....	1, 416	(1)	4, 931	(1)
Dry and siliceous (gold and silver)..... do.....	784, 426	(1)	878, 993	(1)
Lead..... do.....	125, 964	(1)	164, 508	(1)
Lead-copper..... do.....			232	(1)
Zinc..... do.....	144	(1)	101	(1)
Zinc-lead..... do.....	1, 196, 495	(1)	1, 507, 922	(1)
Phosphate rock..... long tons.....	95, 451	431, 938	99, 088	441, 898
Sand and gravel..... short tons.....	1, 617, 856	622, 240	1, 943, 723	657, 848
Silver..... troy ounces.....	17, 222, 370	11, 690, 336	17, 552, 240	12, 481, 593
Stone..... short tons.....	1, 863, 350	1, 238, 735	967, 900	809, 797
Tungsten ore (60-percent concentrates)..... do.....	228	(1)	260	(1)
Zinc..... do.....	47, 549	4, 945, 096	70, 601	8, 895, 726
Miscellaneous ¹		949, 324		1, 046, 184
Total value, eliminating duplications.....		33, 138, 452		40, 799, 920

¹ Value included under "Miscellaneous."

² Figures not available.

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁵ According to Bituminous Coal Division; value includes selling expenses.

⁶ No canvass.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ Includes minerals indicated by "1" above.

Mineral production of Illinois, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement..... barrels	1 4, 801, 292	1 \$7, 056, 746	1 4, 937, 127	1 \$7, 209, 431
Clay:				
Products (other than pottery and refractories).....		2 7, 107, 144		2 7, 052, 000
Raw (sold by producers)..... short tons	126, 611	271, 737	169, 938	419, 740
Coal..... do.	3 46, 782, 691	3 76, 680, 593	4 50, 610, 430	4 85, 594, 043
Coke..... do.	1, 884, 240	3 11, 965, 932	3, 014, 840	3 18, 217, 939
Ferro-alloys..... do.		(*)	(*)	(*)
Fluorspar..... do.	75, 257	1, 638, 693	104, 698	2, 313, 747
Fluorspar, optical..... ounces	(7)	25		
Fuller's earth..... short tons	(9)	(9)	(9)	(9)
Iron pig..... do.	3, 203, 846	3 87, 718, 814	4, 093, 623	3 73, 822, 065
Lead..... do.	308	28, 952	1, 508	150, 800
Lime..... do.	147, 729	1, 064, 154	161, 358	1, 150, 113
Mineral paints (zinc and lead pigments)..... do.	(*)	(*)	(*)	(*)
Mineral waters..... gallons sold	(9)	(9)	(9)	(9)
Natural gas..... M cubic feet	2, 746, 000	1, 450, 000	8, 359, 000	1, 557, 000
Natural gasoline..... gallons	4, 012, 000	229, 000	21, 499, 000	805, 000
Ores (crude), etc.:				
Lead..... short tons			50	(9)
Zinc..... do.			60	(9)
Zinc-lead..... do.	(10)	(10)	41, 830	(9)
Petroleum..... barrels	94, 912, 000	101, 200, 000	147, 647, 000	156, 500, 000
Pyrites..... long tons	13, 950	(9)	13, 021	21, 876
Sand and gravel..... short tons	11 8, 755, 193	11 4, 666, 487	11 10, 103, 214	11 5, 578, 309
Sand and sandstone (ground)..... do.	91, 645	543, 761	106, 397	628, 488
Sand-lime brick..... thousands of brick	(12)	(12)		
Silver..... troy ounces	675	458	4, 766	3, 389
Stone..... short tons	8, 420, 120	7, 820, 589	13 9, 209, 170	13 7, 556, 497
Sulfuric acid (60° Baumé) 14..... do.	178, 144	1, 065, 077	188, 355	1, 721, 565
Tripoli..... do.	11, 134	148, 310	11, 521	155, 576
Zinc..... do.	334	34, 736	4, 818	607, 068
Miscellaneous 15.....		3, 712, 410		3, 410, 794
Total value, eliminating duplications.....		210, 798, 331		277, 943, 011

¹ Exclusive of natural cement, value for which is included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ Value not included in total value for State.

⁶ Value included under "Miscellaneous."

⁷ Quantity undetermined.

⁸ No canvass.

⁹ Not valued as ore; value of recoverable metal content included under the metals.

¹⁰ No ore milled in northern Illinois in 1939; metal output of southern Illinois was byproduct of fluorspar milling.

¹¹ "Commercial." Value of "Government-and-contractor" included under "Miscellaneous."

¹² Figures obtained through cooperation with Bureau of the Census.

¹³ Exclusive of unclassified stone, value for which is included under "Miscellaneous."

¹⁴ From zinc smelting.

¹⁵ Includes minerals indicated by "1", "6", "11", and "12" above.

Mineral production of Indiana, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement..... barrels..	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$ 5, 629, 014		\$ 4, 265, 000
Raw (sold by producers)..... short tons	57, 795	79, 693	89, 230	92, 712
Coal..... do	\$ 16, 942, 772	\$ 25, 101, 972	\$ 18, 888, 572	\$ 28, 810, 864
Coke..... do	4, 878, 033	\$ 28, 532, 944	6, 412, 716	\$ 37, 308, 469
Gold..... troy ounces	4	140	5	175
Iron, pig..... short tons	3, 780, 364	\$ 68, 164, 618	5, 333, 915	\$ 97, 407, 809
Lime..... do	94, 741	534, 688	84, 462	457, 621
Mineral paints (zinc and lead pigments)..... do	(1) ⁵	(1) ⁵	(1) ⁵	(1) ⁵
Mineral waters..... gallons sold	(9)	(9)	(9)	(9)
Natural gas..... M cubic feet	791, 000	452, 000	1, 137, 000	661, 000
Petroleum..... barrels	1, 711, 000	1, 675, 000	4, 978, 000	5, 200, 000
Pyrites..... long tons	4, 403	(1)	2, 734	4, 887
Rubbing stones and whetstones..... short tons	(1)	(1)	(1)	(1)
Sand and gravel..... do	6, 249, 169	3, 388, 297	6, 265, 163	3, 306, 165
Sand-lime brick..... thousands of brick	(17)	(17)	(17)	(17)
Stone..... short tons	\$ 4, 338, 690	\$ 7, 469, 659	\$ 4, 498, 490	\$ 5, 822, 006
Miscellaneous ⁶		11, 985, 673		12, 636, 594
Total value, eliminating duplications.....		53, 884, 995		58, 975, 110

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ Value not included in total value for State.

⁶ No canvass.

⁷ Figures obtained through cooperation with Bureau of the Census.

⁸ Exclusive of dimension sandstone in 1939 and of unclassified stone in 1940, value for which is included under "Miscellaneous."

⁹ Includes minerals indicated by "1" and "2" above.

Mineral production of Iowa, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement..... barrels..	4, 717, 295	\$ 7, 771, 503	4, 597, 781	\$ 7, 641, 163
Clay:				
Products (other than pottery and refractories).....		¹ 3, 698, 611		¹ 3, 649, 000
Raw (sold by producers)..... short tons	5, 615	50, 939	10, 005	51, 267
Coal..... do	² 2, 947, 557	² 7, 189, 245	² 3, 231, 177	² 8, 060, 587
Ferro-alloys..... do	(4) ⁵	(4) ⁵	(4) ⁵	(4) ⁵
Gypsum (crude)..... do	430, 712	510, 120	487, 379	587, 223
Iron, pig..... do	(4) ⁵	(4) ⁵	(4) ⁵	(4) ⁵
Mineral waters..... gallons sold	(9)	(9)	(9)	(9)
Peat..... short tons	(4)	(4)	2, 500	30, 000
Sand and gravel..... do	⁷ 2, 503, 988	⁷ 1, 299, 449	⁷ 3, 464, 803	⁷ 1, 852, 285
Stone..... do	6, 400, 590	4, 385, 234	4, 013, 740	3, 832, 070
Miscellaneous ⁸		2, 176, 129		2, 880, 942
Total value, eliminating duplications.....		25, 170, 181		26, 006, 904

¹ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

² According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

³ According to Bituminous Coal Division; value includes selling expenses.

⁴ Value included under "Miscellaneous."

⁵ Value not included in total value for State.

⁶ No canvass.

⁷ "Commercial." Value of "Government-and-contractor" included under "Miscellaneous."

⁸ Includes minerals indicated by "4" and "7" above.

Mineral production of Kansas, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asphalt (native)..... short tons..	(1)	(1)		
Cement..... barrels..	² 3, 746, 370	² \$5, 614, 112	² 3, 441, 612	² \$5, 192, 160
Chats..... short tons..	50, 000	(1)	163, 180	25, 747
Clay:				
Products (other than pottery and refractories).....		³ 1, 051, 349		³ 1, 035, 000
Raw (sold by producers)..... short tons..	(1)	(1)	(1)	(1)
Coal..... do..	⁴ 2, 674, 691	⁴ 5, 057, 992	⁴ 3, 578, 952	⁴ 6, 717, 318
Gypsum (crude)..... do..	(1)	(1)	(1)	(1)
Lead..... do..	13, 697	1, 287, 518	11, 927	1, 192, 700
Mineral paints (zinc and lead pigments)..... do..	(1 ⁵)	(1 ⁵)	(1 ⁵)	(1 ⁵)
Mineral waters..... gallons sold..	(7)	(7)	(7)	(7)
Natural gas..... M cubic feet..	80, 556, 000	29, 356, 000	90, 003, 000	31, 931, 000
Natural gasoline..... gallons..	62, 175, 000	1, 999, 000	64, 691, 000	1, 295, 900
Ores (crude), etc.:				
Lead..... short tons..			2, 000	(⁶)
Zinc..... do..	1, 937, 000	(⁶)	1, 137, 704	(⁶)
Zinc-lead..... do..	1, 764, 300	(⁶)	2, 014, 096	(⁶)
Petroleum..... barrels..	60, 703, 000	63, 100, 000	66, 139, 000	68, 700, 000
Pumice..... short tons..	41, 643	123, 163	39, 215	129, 959
Pyrites..... long tons..	9, 838	(1)		
Salt..... short tons..	641, 752	2, 591, 934	684, 053	2, 710, 847
Sand and gravel..... do..	1, 934, 759	822, 305	2, 264, 871	893, 962
Stone..... do..	3, 406, 640	4, 550, 580	2, 880, 930	3, 672, 644
Zinc..... do..	68, 971	7, 172, 984	57, 032	7, 186, 032
Miscellaneous ⁷		2, 797, 911		2, 760, 184
Total value, eliminating duplications.....		122, 959, 513		130, 859, 896

¹ Value included under "Miscellaneous."² Exclusive of natural cement, value for which is included under "Miscellaneous."³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.⁵ According to Bituminous Coal Division; value includes selling expenses.⁶ Value not included in total value for State.⁷ No canvass.⁸ Not valued as ore; value of recoverable metal content included under the metals.⁹ Includes minerals indicated by "1" and "9" above.

Mineral production of Kentucky, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asphalt (native)..... short tons..	(1)	(1)	(1)	(1)
Cement..... barrels..	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		² \$1, 566, 982		² \$1, 258, 000
Raw (sold by producers)..... short tons..	247, 958	1, 004, 232	345, 023	1, 328, 644
Coal..... do..	³ 42, 556, 568	³ 74, 078, 412	⁴ 49, 140, 904	⁴ 91, 153, 768
Coke..... do..	(1 ⁵)	(1 ⁵)	(1 ⁵)	(1 ⁵)
Fluorspar..... do..	89, 563	1, 773, 063	103, 939	2, 043, 866
Iron, pig..... do..	259, 273	(1 ⁵)	290, 610	(1 ⁵)
Lead..... do..	87	8, 178	360	36, 000
Lime..... do..	(1)	(1)	(1)	(1)
Mineral waters..... gallons sold..	(6)	(6)	(6)	(6)
Natural gas..... M cubic feet..	47, 771, 000	20, 630, 000	53, 056, 000	22, 936, 000
Natural gasoline..... gallons..	7, 785, 000	347, 000	9, 539, 000	350, 000
Ores (lead and zinc)..... short tons..	(7)	(7)	(7)	(7)
Petroleum..... barrels..	5, 621, 000	5, 900, 000	5, 188, 000	5, 400, 000
Sand and gravel..... short tons..	1, 101, 415	777, 602	1, 226, 325	815, 688
Stone..... do..	4, 802, 280	4, 490, 088	4, 620, 750	4, 207, 875
Zinc..... do..	909	94, 536	1, 278	161, 028
Miscellaneous ⁸		8, 850, 839		10, 740, 370
Total value, eliminating duplications.....		112, 840, 566		131, 974, 410

¹ Value included under "Miscellaneous."² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.⁴ According to Bituminous Coal Division; value includes selling expenses.⁵ Value not included in total value for State.⁶ No canvass.⁷ Figures not available.⁸ Includes minerals indicated by "1" above.

Mineral production of Louisiana, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement..... barrels	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$741,692		\$540,000
Raw (sold by producers)..... short tons	(1)	(1)	10,189	96,314
Mineral waters..... gallons sold	(2)	(2)	(2)	(2)
Natural gas..... M cubic feet	294,370,000	53,835,000	343,191,000	63,577,000
Natural gasoline..... gallons	94,090,000	3,329,000	113,741,000	2,552,000
Petroleum..... barrels	93,646,000	98,000,000	103,584,000	107,500,000
Salt..... short tons	1,072,540	2,830,331	1,132,594	2,804,406
Sand and gravel..... do	2,145,793	1,195,049	2,580,478	1,381,044
Sand-lime brick..... thousands of brick	(1 4)	(1 4)		
Stone..... short tons	(1)	(1)	(1)	(1)
Sulfur..... long tons	446,242	(1)	543,004	8,688,064
Miscellaneous 1		8,972,079		2,014,484
Total value, eliminating duplications.....		168,903,151		189,153,312

1 Value included under "Miscellaneous."

2 Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

3 No canvass.

4 Figures obtained through cooperation with Bureau of the Census.

5 Includes minerals indicated by "1" above.

Mineral production of Maine, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Beryllium ore (beryl)..... short tons	(1)	(1)	(1)	(1)
Cement..... barrels	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$371,629		\$275,000
Raw (sold by producers)..... short tons	(1)	(1)		
Feldspar (crude)..... long tons	18,109	74,165	18,390	84,796
Gems and precious stones.....	(2)	(2)	(2)	(2)
Lime..... short tons	(1)	(1)	(1)	(1)
Mica:				
Scrap..... do	(1)	(1)	(1)	(1)
Sheet..... pounds	(1)	(1)	(1)	(1)
Mineral waters..... gallons sold	(2)	(2)	(2)	(2)
Peat..... short tons	1,267	26,569	8,173	118,897
Sand and gravel..... do	3,312,164	888,646	3,836,131	878,820
Silica (quartz)..... do	644	1,725	160	538
Slate.....		215,951		286,660
Stone..... short tons	4 205,280	4 1,228,930	4 245,580	4 1,876,198
Miscellaneous 1		962,176		854,067
Total value, eliminating duplications.....		3,769,791		4,374,976

1 Value included under "Miscellaneous."

2 Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimated by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

3 No canvass.

4 Exclusive of unclassified stone, value for which is included under "Miscellaneous."

5 Includes minerals indicated by "1" and "4" above.

Mineral production of Maryland, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asbestos.....short tons.....	(1)	(1)	(1)	(1)
Cement.....barrels.....	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$1,709,524		\$1,856,000
Raw (sold by producers).....short tons.....	35,817	124,502	49,036	114,531
Coal.....do.....	\$1,442,728	\$2,938,938	\$1,503,433	\$3,171,243
Coke.....do.....	1,578,973	(1) ⁵	1,682,701	(1) ⁵
Feldspar (crude).....long tons.....	(1)	(1)	(1)	(1)
Gold.....troy ounces.....	71	2,485		
Iron, pig.....short tons.....	2,021,690	(1) ⁵	2,350,773	(1) ⁵
Lime.....do.....	59,504	396,201	63,745	355,771
Mineral waters.....gallons sold.....	(9)	(9)	(9)	(9)
Ore (dry and siliceous) (gold and silver).....short tons.....	220	(7)		
Potassium salts.....do.....	(1)	(1)	(1)	(1)
Sand and gravel.....do.....	3,311,029	2,827,268	3,426,525	2,763,322
Silica (quartz).....do.....	515	8,010	(1)	(1)
Silver.....troy ounces.....	2	1		
Slate.....do.....		(1)		(1)
Stone.....short tons.....	1,024,130	1,327,830	1,109,960	1,395,373
Talc and ground soapstone.....do.....	(1)	(1)	(1)	(1)
Miscellaneous ⁶		40,697,718		46,596,893
Total value, eliminating duplications.....		11,781,531		12,605,171

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimated by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ Value not included in total value for State.

⁶ No canvass.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ Includes minerals indicated by "()" above.

Mineral production of Massachusetts, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Clay:				
Products (other than pottery and refractories).....		\$866,226		\$976,895
Raw (sold by producers).....short tons.....	(2)	(2)	(2)	(2)
Coke.....do.....	1,057,158	(1) ³	1,130,311	(1) ³
Diatomite.....do.....	(2)	(2)		
Iron, pig.....do.....	(1) ³	(1) ³	(1) ³	(1) ³
Lime.....do.....	111,734	1,005,485	108,797	965,333
Manganiferous ore.....long tons.....	649	(2)	1,900	(2)
Mineral waters.....gallons sold.....	(2)	(2)	(1)	(1)
Peat.....short tons.....	(2)	(2)	703	3,495
Sand and gravel.....do.....	3,562,098	1,718,929	3,563,760	1,681,222
Sand and sandstone (ground).....do.....	1,374	6,220	1,425	6,240
Sand-lime brick.....thousands of brick.....	(1) ³	(1) ³	(1) ³	(1) ³
Silica (quartz).....short tons.....	442	2,652	786	4,716
Stone.....do.....	2,543,730	4,459,797	2,176,340	3,819,708
Miscellaneous ⁴		8,383,674		8,436,063
Total value, eliminating duplications.....		8,242,956		7,573,122

¹ Figures obtained through cooperation with Bureau of the Census.

² Value included under "Miscellaneous."

³ Value not included in total value for State.

⁴ No canvass.

⁵ Includes minerals indicated by "()" above.

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Mineral production of Michigan, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Bromine..... pounds.....	13, 035, 667	\$2, 680, 591	14, 173, 936	\$2, 878, 900
Calcium chloride..... short tons.....	98, 287	1, 219, 581	84, 918	900, 801
Cement..... barrels.....	8, 327, 479	10, 891, 978	8, 519, 416	11, 389, 191
Clay:				
Products (other than pottery and refractories).....		¹ 2, 550, 934		¹ 2, 377, 000
Raw (sold by producers)..... short tons.....	(²)	(²)	(²)	(²)
Coal..... do.....	³ 456, 754	³ 1, 723, 104	⁴ 410, 169	⁴ 1, 592, 051
Coke..... do.....	2, 430, 688	⁵ 12, 408, 881	2, 872, 026	⁵ 15, 445, 452
Copper..... pounds.....	87, 970, 000	9, 148, 880	90, 396, 000	10, 214, 748
Gems and precious stones.....		(⁶)		(⁶)
Gypsum (crude)..... short tons.....	643, 180	834, 856	746, 982	1, 017, 126
Iron:				
Ore—				
Sold to furnaces..... long tons.....	11, 238, 605	37, 026, 665	13, 751, 970	40, 474, 951
Sold for paint..... do.....	872	(⁷)		
Pig..... short tons.....	1, 275, 640	⁸ 18, 872, 150	1, 340, 402	⁸ 18, 472, 588
Lime..... do.....	45, 180	324, 765	41, 814	308, 928
Magnesium..... pounds.....	10, 650, 121	(⁹)	12, 823, 633	3, 462, 380
Magnesium salts (natural):				
Carbonate..... do.....	(⁹)	(⁹)	(⁹)	(⁹)
Chloride..... do.....	(⁹)	(⁹)	(⁹)	(⁹)
Sulfate..... do.....	(⁹)	(⁹)	(⁹)	(⁹)
Manganiferous ore..... long tons.....			18, 617	(⁹)
Marl, calcareous..... short tons.....	(⁹)	(⁹)	(⁹)	(⁹)
Mineral waters..... gallons sold.....	(⁹)	(⁹)	(⁹)	(⁹)
Natural gas..... M cubic feet.....	10, 726, 000	7, 411, 000	12, 648, 000	8, 339, 000
Natural gasoline..... gallons.....	2, 971, 000	89, 000	3, 919, 000	162, 000
Ores (crude), etc.: Copper..... short tons.....	4, 603, 751	(⁷)	4, 438, 219	(⁷)
Peat..... do.....	6, 190	28, 600	5, 326	32, 750
Petroleum..... barrels.....	22, 462, 000	21, 350, 000	19, 753, 000	20, 150, 000
Salt..... short tons.....	2, 408, 872	6, 726, 912	2, 863, 035	7, 479, 905
Sand and gravel..... do.....	10, 748, 007	4, 087, 508	13, 650, 528	4, 973, 006
Sand-lime brick..... thousands of brick.....	⁹ 21, 475	⁹ 197, 659	⁹ 14, 564	⁹ 170, 678
Silver..... troy ounces.....	101, 878	69, 154	88, 657	63, 045
Stone..... short tons.....	11, 138, 280	5, 890, 728	13, 527, 170	6, 891, 433
Miscellaneous ¹		3, 836, 239		1, 891, 690
Total value, eliminating duplications.....		116, 088, 154		124, 774, 581

¹ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

² Value included under "Miscellaneous."

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ Value not included in total value for State.

⁶ No canvass.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ Figures obtained through cooperation with Bureau of the Census.

⁹ Includes minerals indicated by "9" above.

Mineral production of Minnesota, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement.....barrels..	(1)	(2)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$1,013,688		\$988,116
Raw (sold by producers).....short tons..	2,010	5,253	(1)	(1)
Coke.....do.....	497,079	\$3,684,811	524,360	\$3,662,908
Flint lining for tube mills.....do.....	(1)	(1)	(1)	(1)
Gems and precious stones.....do.....		(4)		(4)
Iron:				
Ore.....long tons..	32,370,241	97,113,591	47,904,137	118,947,968
Pig.....short tons..	188,013	(1) ²	282,728	(1) ²
Lime.....do.....	(1)	(1)	(1)	(1)
Manganiferous ore.....long tons..	651,963	(1)	1,046,374	2,894,388
Marl, calcareous.....short tons..	800	745	(1)	(1)
Mineral waters.....gallons sold..	(4)	(4)	(4)	(4)
Peat.....short tons..	(1)	(1)	1,984	19,980
Pebbles for grinding.....do.....	(1)	(1)	(1)	(1)
Sand and gravel.....do.....	8,501,211	1,942,430	8,729,205	1,924,716
Sand-lime brick.....thousands of brick..	\$18,428	\$182,443	(1) ²	(1) ²
Stone.....short tons..	1,405,740	2,339,774	1,119,230	1,967,822
Miscellaneous ⁴		7,188,055		7,083,749
Total value, eliminating duplications.....		106,455,607		128,571,690

¹ Value included under "Miscellaneous."² Figures obtained through cooperation with Bureau of the Census.³ Value not included in total value for State.⁴ No canvass.⁵ Includes minerals indicated by "()" above.

Mineral production of Mississippi, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Clay:				
Products (other than pottery and refractories).....		\$761,686		\$787,000
Raw (sold by producers).....short tons..	(2)	(2)	(2)	(2)
Iron ore.....long tons..			59	38
Mineral waters.....gallons sold..	(2)	(2)	(2)	(2)
Natural gas.....M cubic feet..	14,527,000	3,300,000	6,365,000	1,637,000
Petroleum.....barrels..	107,000	94,000	4,400,000	3,750,000
Sand and gravel.....short tons..	2,336,842	810,933	2,319,073	724,777
Stone.....do.....	(2)	(2)	4210	4410
Miscellaneous ¹		225,537		340,422
Total value, eliminating duplications.....		5,192,156		7,239,647

¹ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.² Value included under "Miscellaneous."³ No canvass.⁴ Exclusive of limestone, value for which is included under "Miscellaneous."⁵ Includes minerals indicated by "()" and "()" above.

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Mineral production of Missouri, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asphalt (native).....short tons..	(1)	(1)	(1)	(1)
Barite.....do.....	171, 642	\$1, 163, 870	179, 455	\$1, 216, 069
Cement.....barrels..	4, 702, 259	7, 420, 013	4, 867, 799	7, 616, 247
Chats.....short tons..	524, 100	59, 900	1, 470, 849	238, 266
Clay:				
Products (other than pottery and refractories)....		¹ 2, 759, 036		² 2, 064, 000
Raw (sold by producers).....short tons..	384, 665	1, 172, 029	498, 150	1, 400, 932
Coal.....do.....	³ 3, 273, 550	³ 6, 138, 603	⁴ 3, 096, 741	⁴ 6, 320, 770
Coke.....do.....	(1 ⁵)	(1 ⁵)	(1 ⁵)	(1 ⁵)
Copper.....pounds..			1, 370, 000	154, 810
Iron ore—				
Sold to furnaces, etc.....long tons..	36, 638	53, 839	50, 217	123, 234
Sold for paint.....do.....	2, 117	5, 346	3, 203	11, 177
Lead.....short tons..	156, 281	14, 690, 414	172, 052	17, 205, 200
Lime.....do.....	516, 988	2, 800, 379	607, 062	3, 184, 293
Mineral paints (zinc and lead pigments).....do.....	(1 ⁵)	(1 ⁵)	(1 ⁵)	(1 ⁵)
Mineral waters.....gallons sold..	(⁶)	(⁶)	(⁶)	(⁶)
Natural gas.....M cubic feet..	538, 000	312, 000	310, 000	166, 000
Ores (rudd), etc.:				
Lead.....short tons..	5, 127, 000	(7)	5, 837, 550	(7)
Zinc.....do.....	20, 200	(7)	201, 055	(7)
Zinc-lead.....do.....	503, 600	(7)	418, 795	(7)
Petroleum.....barrels..	40, 000	30, 000	44, 000	34, 000
Pyrites.....long tons..	32, 496	68, 369	29, 325	74, 088
Sand and gravel.....short tons..	3, 857, 406	2, 310, 995	4, 067, 571	2, 311, 221
Sand and sandstone (ground).....do.....	(1)	(1)	(1)	(1)
Sand-lime brick.....thousands of brick..	(1 ⁵)	(1 ⁵)	(1 ⁵)	(1 ⁵)
Silver.....troy ounces..	213, 400	144, 853	280, 314	185, 112
Stone.....short tons..	⁸ 3, 958, 470	⁸ 4, 589, 986	6, 085, 790	6, 176, 867
Tripoli.....do.....	(1)	(1)	(1)	(1)
Tungsten ore (60-percent concentrates).....do.....			13	(1)
Zinc.....do.....	15, 096	1, 589, 984	12, 703	1, 600, 578
Miscellaneous ¹⁰do.....		1, 711, 108		1, 876, 041
Total value, eliminating duplications.....		45, 633, 707		50, 324, 566

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ Value not included in total value for State.

⁶ No canvass.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ Figures obtained through cooperation with Bureau of the Census.

⁹ Exclusive of sandstone, value for which is included under "Miscellaneous."

¹⁰ Includes minerals indicated by "1" and "2" above.

Mineral production of Montana, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Antimony ore (concentrates)..... short tons			69	\$3,000
Arsenious oxide..... do	(1)	(1)	(1)	(1)
Asbestos..... do	(1)	(1)	(1)	(1)
Barite..... do	(1)	(1)	(1)	(1)
Bismuth..... pounds	(1)	(1)	(1)	(1)
Cement..... barrels	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).		\$ 203,727		\$ 155,000
Raw (sold by producers)..... short tons	(1)	(1)	(1)	(1)
Coal:				
Bituminous..... do	4 2,803,749	4 4,092,187	2,818,936	4,075,528
Lignite..... do			48,264	86,000
Copper..... pounds	195,654,000	20,348,016	252,782,000	28,564,366
Gems and precious stones.....		(1)	(1)	(1)
Gold..... troy ounces	264,173	9,246,055	272,602	9,541,070
Gypsum (crude)..... short tons	(1)	(1)	(1)	(1)
Lead..... do	16,555	1,556,170.	23,036	2,303,600
Lime..... do	(1)	(1)	18,797	77,658
Manganese ore..... long tons	11,139	(1)	19,343	(1)
Manganiferous ore..... do	2,121	(1)	3,617	(1)
Mineral waters..... gallons sold	(1)	(1)	(1)	(1)
Natural gas..... M cubic feet	23,178,000	6,486,000	26,231,000	7,132,000
Natural gasoline..... gallons	2,161,000	184,000	2,603,000	162,000
Ores (crude), etc.:				
Copper..... short tons	2,253,270	(1)	3,287,803	(1)
Dry and siliceous (gold and silver)..... do	1,049,461	(1)	1,028,523	(1)
Lead..... do	23,096	(1)	29,454	(1)
Lead-copper..... do			71	(1)
Zinc..... do	146,705	(1)	174,181	(1)
Zinc-lead..... do	320,248	(1)	579,209	(1)
Petroleum..... barrels	5,960,000	5,860,000	6,723,000	6,660,000
Phosphate rock..... long tons	44,384	112,142	64,239	184,844
Platinum metals (crude)..... troy ounces			31	(1)
Pyrites..... long tons	(1)	(1)	(1)	(1)
Sand and gravel..... short tons	4,305,553	1,678,098	4,978,353	1,953,009
Silver..... troy ounces	9,087,571	6,168,533	12,361,050	8,790,080
Stone..... short tons	1,266,220	1,714,718	829,600	813,286
Tin (metallic equivalent)..... pounds	(1)	(1)	(1)	(1)
Tungsten ore (60-percent concentrates) short tons	23	(1)	50	(1)
Vermiculite..... do	(1)	(1)	(1)	(1)
Zinc..... do	34,799	3,619,096	52,587	6,625,962
Miscellaneous ¹ do		2,105,080		2,360,470
Total value, eliminating duplications.....		63,343,802		79,487,873

¹ Value included under "Miscellaneous."

² Figures not available.

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁵ According to Bituminous Coal Division; value includes selling expenses.

⁶ No canvass.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ Includes minerals indicated by "—" above.

Mineral production of Nebraska, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement..... barrels.....	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$ 569,953		\$ 412,000
Raw (sold by producers)..... short tons.....	19,576	9,185	10,417	5,781
Mineral waters..... gallons sold.....	(3)	(3)	(3)	(3)
Petroleum..... barrels.....	2,000	2,000	276,000	230,000
Pumice..... short tons.....	(1)	(1)	(1)	(1)
Sand and gravel..... do.....	2,494,142	878,366	3,051,706	1,072,935
Stone..... do.....	427,580	660,732	832,890	905,563
Miscellaneous ¹		2,270,055		2,074,867
Total value, eliminating duplications.....		4,390,291		4,692,146

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ No canvass.

⁴ Includes minerals indicated by "1" above.

Mineral production of Nevada, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Andalusite..... short tons.....	(1)	(1)	(1)	(1)
Antimony ore (concentrates)..... do.....	137	(1)	361	\$22,100
Barite..... do.....	(1)	(1)	(1)	(1)
Bismuth..... pounds.....	(2)	(2)	(2)	(2)
Boron minerals..... short tons.....	300	\$4,500		
Clay:				
Products (other than pottery and refractories).....		(1)		(1)
Raw (sold by producers)..... short tons.....	(1)	(1)	(1)	(1)
Copper..... pounds.....	133,194,000	13,852,176	156,908,000	17,750,604
Diatomite..... short tons.....	(1)	(1)	(1)	(1)
Dumortierite..... do.....	(1)	(1)	(1)	(1)
Fluorspar..... do.....	3,520	(1)	5,803	(1)
Fuller's earth..... do.....	(1)	(1)	(1)	(1)
Gems and precious stones.....				
Gold..... troy ounces.....	361,518	12,653,130	383,933	13,437,655
Graphite, amorphous..... short tons.....	(1)	(1)	(1)	(1)
Gypsum (crude)..... do.....	205,762	484,621	250,632	618,050
Lead..... do.....	4,236	398,184	7,499	749,900
Lime..... do.....	(1)	(1)	(1)	(1)
Magnesite..... do.....	(1)	(1)	(1)	(1)
Magnesium oxide (hydrated) (brucite)..... do.....	(1)	(1)	(1)	(1)
Manganese ore..... long tons.....				210
Manganiferous ore..... do.....				4,613
Marl, calcareous..... short tons.....	(1)	(1)	(1)	(1)
Mercury..... flasks (76 pounds).....	828	86,062	5,924	1,047,778
Mineral waters..... gallons sold.....	(4)	(4)	(4)	(4)
Ores (crude), etc.:				
Copper..... short tons.....	4,936,001	(9)	6,158,388	(9)
Dry and siliceous (gold and silver)..... do.....	1,907,051	(9)	2,044,000	(9)
Lead..... do.....	6,730	(9)	7,080	(9)
Lead-copper..... do.....	219	(9)	9	(9)
Zinc..... do.....	150	(9)	1,968	(9)
Zinc-lead..... do.....	44,848	(9)	126,814	(9)
Pumice..... do.....	(1)	(1)		
Sand and gravel..... do.....	1,329,810	453,047	1,803,924	543,036
Silver..... troy ounces.....	4,316,029	2,929,668	5,175,928	3,680,660
Stone..... short tons.....	\$ 34,280	\$ 40,207	171,670	189,143
Sulfur ore..... long tons.....	43	343	41	403
Talc and pinito..... short tons.....			(1)	(1)
Tungsten ore (60-percent concentrates)..... do.....	2,091	(1)	1,796	(1)
Zinc..... do.....	6,228	647,712	11,833	1,490,958
Miscellaneous ⁷		3,121,229		3,060,242
Total value, eliminating duplications.....		34,670,879		42,570,529

¹ Value included under "Miscellaneous."

² Figures not available.

³ Figures obtained through cooperation with Bureau of the Census.

⁴ No canvass.

⁵ Not valued as ore; value of recoverable metal content included under the metals.

⁶ Exclusive of limestone, value for which is included under "Miscellaneous."

⁷ Includes minerals indicated by "1" and "4" above.

Mineral production of New Hampshire, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Clay products (other than pottery and refractories).....		¹ \$321, 751		¹ \$204, 228
Feldspar (crude)..... long tons.....	34, 414	161, 968	38, 589	149, 031
Garnet, abrasive..... short tons.....	(²)	(²)		
Gems and precious stones.....		(³)		(³)
Mica:				
Scrap..... shprt tons.....	105	1, 592	(²)	(²)
Sheet..... pounds.....	43, 670	3, 738	(²)	(²)
Mineral waters..... gallons sold.....	(²)	(²)	(²)	(²)
Peat..... short tons.....	(²)	(²)	143	2, 116
Sand and gravel..... do.....	2, 067, 994	219, 296	2, 132, 525	266, 338
Scythestones..... do.....	(²)	(²)	(²)	(²)
Stone..... do.....	105, 390	437, 342	⁴ 51, 250	⁴ 409, 616
Miscellaneous ⁵ do.....		41, 652		84, 008
Total value, eliminating duplications.....		1, 187, 339		1, 065, 337

¹ Figures obtained through cooperation with Bureau of the Census.

² Value included under "Miscellaneous."

³ No canvass.

⁴ Exclusive of basalt, value for which is included under "Miscellaneous."

⁵ Includes minerals indicated by "3" and "4" above.

Mineral production of New Jersey, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement..... barrels.....	(¹)	(¹)	(¹)	(¹)
Clay:				
Products (other than pottery and refractories).....		² \$6, 726, 041		² \$6, 489, 000
Raw (sold by producers)..... short tons.....	96, 629	522, 684	95, 186	529, 914
Coke..... do.....	1, 003, 197	(¹)	1, 016, 481	(¹)
Ferro-alloys..... do.....	(¹)	(¹)	(¹)	(¹)
Iron ore..... long tons.....	394, 709	1, 865, 037	693, 998	3, 328, 467
Lime..... short tons.....	22, 636	148, 605	28, 854	206, 326
Manganiferous residuum..... long tons.....	129, 238	(¹)	154, 455	(¹)
Marl, greensand..... short tons.....	6, 466	318, 550	6, 697	389, 888
Mineral waters..... gallons sold.....	(¹)	(¹)	(¹)	(¹)
Ore (zinc)..... short tons.....	606, 504	(¹)	556, 031	(¹)
Peat..... do.....	11, 781	62, 372	10, 056	51, 565
Sand and gravel..... do.....	4, 319, 297	3, 361, 955	4, 918, 350	3, 846, 902
Sand and sandstone (ground)..... do.....	88, 946	577, 811	(¹)	(¹)
Sand-lime brick..... thousands of brick.....	(¹)	(¹)	(¹)	(¹)
Silica (quartz)..... short tons.....		(¹)	(¹)	(¹)
Stone..... do.....	2, 806, 020	3, 036, 516	2, 705, 170	2, 888, 339
Talc..... do.....			(¹)	(¹)
Zinc ⁷ do.....	88, 716	11, 507, 318	91, 406	13, 121, 911
Miscellaneous ⁸ do.....		8, 937, 506		9, 814, 738
Total value, eliminating duplications.....		30, 441, 758		33, 653, 732

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ Value not included in total value for State.

⁴ No canvass.

⁵ Not valued as ore; value of recoverable metal content included under the metal.

⁶ Figures obtained through cooperation with Bureau of the Census.

⁷ Value reported for zinc in New Jersey is estimated smelting value of recoverable zinc content of ore after freight, haulage, smelting, and manufacturing charges are added.

⁸ Includes minerals indicated by "1" above.

Mineral production of New Mexico, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Arsenious oxide..... short tons	(1)	(1)	(1)	(1)
Bismuth..... pounds	(1)	(1)	(1)	(1)
Calcite (Ioeland spar)..... do	(2)	(2)		
Clay:				
Products (other than pottery and refractories)		\$ 162, 003		\$ 98, 000
Raw (sold by producers)..... short tons	7, 767	19, 686	11, 378	18, 322
Coal..... do	4 1, 230, 060	4 3, 503, 032	5 1, 110, 615	5 3, 304, 046
Copper..... pounds	92, 284, 000	9, 597, 536	139, 696, 000	15, 785, 648
Diatomite..... short tons			(2)	(2)
Fluorspar..... do	(2)	(2)	(2)	(2)
Fuller's earth..... do			(2)	(2)
Gems and precious stones.....		(6)		(6)
Gold..... troy ounces	36, 979	1, 294, 265	35, 943	1, 258, 005
Lead..... short tons	5, 392	506, 848	3, 822	382, 200
Lime..... do	(2)	(2)	(2)	(2)
Manganese ore..... long tons	339	(2)	45	(2)
Manganiferous ore..... do	31, 999	(2)	36, 835	(2)
Mica:				
Scrap..... short tons	(2)	(2)	(2)	(2)
Sheet..... pounds	(2)	(2)	(2)	(2)
Mineral waters..... gallons sold	(6)	(6)	(6)	(6)
Molybdenum..... pounds	1, 269, 182	(2)	1, 897, 063	(2)
Natural gas..... M cubic feet	60, 284, 000	8, 778, 000	63, 990, 000	10, 317, 000
Natural gasoline..... gallons	54, 707, 000	1, 696, 000	55, 713, 000	879, 000
Ores (crude, etc.):				
Copper..... short tons	4, 517, 429	(7)	6, 606, 471	(7)
Dry and siliceous (gold and silver)..... do	111, 202	(7)	127, 014	(7)
Lead..... do	1, 431	(7)	1, 901	(7)
Lead-copper..... do	1, 102	(7)		
Zinc..... do	217, 517	(7)	123, 126	(7)
Zinc-lead..... do	128, 694	(7)	231, 391	(7)
Petroleum..... barrels	37, 637, 000	30, 850, 000	39, 129, 000	32, 500, 000
Potassium salts..... short tons	(2)	(2)	(2)	(2)
Pumice..... do	(2)	(2)	(2)	(2)
Salt..... do	(2)	(2)	13, 915	41, 573
Sand and gravel..... do	5 1, 832, 733	5 1, 131, 804	5 2, 364, 939	5 1, 141, 380
Silver..... troy ounces	1, 400, 878	950, 899	1, 407, 839	1, 901, 130
Stone..... short tons	287, 190	164, 924	362, 020	223, 680
Tantalum ore..... pounds	(2)	(2)		
Tin (metallic equivalent)..... do	(2)	(2)	(2)	(2)
Tungsten ore (60-percent concentrates)..... do			98	(2)
Zinc..... short tons	29, 356	3, 053, 024	30, 313	3, 819, 438
Miscellaneous ¹⁰		8, 279, 776		10, 200, 301
Total value, eliminating duplications.....		69, 987, 797		80, 969, 723

1 Figures not available.
2 Value included under "Miscellaneous."
3 Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.
4 According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.
5 According to Bituminous Coal Division; value includes selling expenses.
6 No canvass.
7 Not valued as ore; value of recoverable metal content included under the metals.
8 "Government-and-contractor." Value of "Commercial" included under "Miscellaneous."
9 Exclusive of basalt, value for which is included under "Miscellaneous."
10 Includes minerals indicated by "2", "6", and "8" above.

Mineral production of New York, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Aluminum.....pounds.....	(1) ¹	(1) ¹	179, 177, 116	² \$32,700, 000
Cement.....barrels.....	³ 6, 853, 796	³ \$9, 866, 102	³ 8, 251, 038	³ 11, 687, 089
Clay:				
Products (other than pottery and refractories).....		⁴ 6, 883, 109		⁴ 5, 820, 000
Raw (sold by producers).....short tons.....	(1)	(1)	(1)	(1)
Coke.....do.....	4, 468, 437	⁵ 25, 526, 646	5, 080, 403	⁵ 29, 519, 871
Diatomite.....do.....	(1)	(1)	(1)	(1)
Emery.....do.....	765	6, 828	1, 046	9, 349
Feldspar (crude).....long tons.....	(1)	(1)	(1)	(1)
Ferro-alloys.....short tons.....	183, 465	⁶ 18, 388, 766	259, 393	⁶ 30, 719, 756
Garnet, abrasive.....do.....	(1)	(1)	(1)	(1)
Gems and precious stones.....		(9)		(9)
Graphite:				
Artificial.....pounds.....	(1) ¹	(1) ¹	(1) ¹	(1) ¹
Crystalline.....do.....	(1)	(1)		
Gypsum (crude).....short tons.....	709, 495	971, 229	798, 229	1, 037, 181
Iron:				
Ore—				
Sold to furnaces.....long tons.....	(1)	(1)	(1)	(1)
Sold for paint.....do.....	(1)	(1)	(1)	(1)
Pig.....short tons.....	2, 475, 450	⁷ 45, 275, 716	3, 206, 162	⁷ 54, 150, 107
Lead.....do.....	(1)	(1)	1, 973	197, 300
Lime.....do.....	42, 225	314, 457	54, 364	408, 645
Mica:				
Scrap.....do.....	(1)	(1)	(1)	(1)
Sheet.....pounds.....	(1)	(1)	(1)	(1)
Millstones.....		2, 584		(1)
Mineral waters.....gallons sold.....	(9)	(9)	(9)	(9)
Natural gas.....M cubic feet.....	29, 222, 000	15, 201, 000	12, 187, 000	8, 246, 000
Natural gasoline.....gallons.....	34, 000	1, 000	17, 000	1, 000
Ores (crude), etc.:				
Zinc.....short tons.....	115, 000	(9)	116, 171	(9)
Zinc-lead.....do.....	305, 000	(9)	316, 048	(9)
Peat.....do.....	18, 306	116, 875	19, 352	148, 433
Petroleum.....barrels.....	5, 098, 000	10, 650, 000	4, 999, 000	11, 600, 000
Pyrites.....long tons.....	71, 176	(1)	64, 498	233, 816
Salt.....short tons.....	2, 041, 492	5, 855, 422	2, 117, 671	6, 523, 775
Sand and gravel.....do.....	⁷ 12, 608, 128	⁷ 7, 050, 104	⁷ 13, 225, 133	⁷ 7, 639, 668
Sand-lime brick.....thousands of brick.....	(1) ⁸	(1) ⁸	(1) ⁸	(1) ⁸
Silica (quartz).....short tons.....	(1)	(1)	(1)	(1)
Silver.....troy ounces.....	37, 250	25, 285	35, 720	25, 401
State.....		465, 837		479, 053
Stone.....short tons.....	10, 703, 690	10, 111, 032	9, 782, 120	10, 398, 401
Talc.....do.....	99, 880	1, 252, 525	113, 611	1, 402, 524
Zinc.....do.....	36, 014	3, 745, 456	35, 686	4, 496, 436
Miscellaneous ⁹		35, 810, 535		6, 080, 854
Total value, eliminating duplications.....		78, 409, 560		76, 119, 505

¹ Value included under "Miscellaneous."² Value not included in total value for State.³ Exclusive of natural cement, value for which is included under "Miscellaneous."⁴ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.⁵ No canvass.⁶ Not valued as ore; value of recoverable metal content included under the metals.⁷ "Commercial." Value of "Government-and-contractor" included under "Miscellaneous."⁸ Figures obtained through cooperation with Bureau of the Census.⁹ Includes minerals indicated by "1", "3", and "7" above.

Mineral production of North Carolina, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Aluminum.....pounds.....	(1) ¹	(1) ¹	58,882,397	\$10,746,000
Asbestos.....short tons.....	(1)	(1)	(1)	(1)
Bromine.....pounds.....	(1)	(1)	(1)	(1)
Clay: Products (other than pottery and refractories).....		\$4,595,857		\$4,629,000
Raw (sold by producers).....short tons.....	11,365	166,010	14,620	202,678
Copper.....pounds.....	(1)	(1)	(1)	(1)
Feldspar (crude).....long tons.....	76,738	397,631	79,312	426,784
Garnet, abrasive.....short tons.....	(1)	(1)	(1)	(1)
Gems and precious stones.....		(1)		(1)
Gold.....troy ounces.....	495	17,325	1,943	68,005
Kyanite.....short tons.....	(1)	(1)	(1)	(1)
Lime.....do.....	(1)	(1)	(1)	(1)
Lithium minerals.....do.....			(1)	(1)
Manganese ore.....long tons.....	43	796		
Manganiferous ore.....do.....	51	632	190	(1)
Mica: Scrap.....short tons.....	13,913	184,377	11,595	173,327
Sheet.....pounds.....	401,170	69,344	1,002,646	218,154
Millstones.....		(1)		(1)
Mineral waters.....gallons sold.....	(1)	(1)	(1)	(1)
Olivine.....short tons.....	3,000	15,000	2,500	15,000
Ores (crude): Copper.....do.....	15,310	(1)	20,311	(1)
Dry and siliceous (gold and silver).....do.....	1,430	(1)	7,927	(1)
Pebbles for grinding.....do.....			(1)	(1)
Sand and gravel.....do.....	2,383,772	1,001,369	3,213,855	1,439,457
Sand and sandstone (ground).....do.....		(1)		(1)
Silica (quartz).....do.....	(1)	(1)	(1)	(1)
Silver.....troy ounces.....	3,961	2,689	6,480	4,608
Stone.....short tons.....	6,037,000	6,979,426	3,031,300	4,850,277
Talc and pyrophyllite.....do.....	36,772	283,789	39,206	298,382
Vermiculite.....do.....	1,400	14,400	1,040	8,070
Miscellaneous ⁷		13,029,075		8,778,990
Total value, eliminating duplications.....		18,533,720		21,112,732

¹ Value included under "Miscellaneous."

² Value not included in total value for State.

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ No canvass.

⁵ Not valued as ore; value of recoverable metal content included under the metals.

⁶ Exclusive of dimension sandstone, value for which is included under "Miscellaneous."

⁷ Includes minerals indicated by "1" and "2" above.

Mineral production of North Dakota, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Clay: Products (other than pottery and refractories).....		(1) ¹		(1) ¹
Raw (sold by producers).....short tons.....	(1)	(1)	(1)	(1)
Coal.....do.....	2,131,252	\$2,425,000	2,218,434	\$2,587,000
Mineral waters.....gallons sold.....	(1)	(1)	(1)	(1)
Natural gas.....M cubic feet.....	76,000	29,000		
Sand and gravel.....short tons.....	1,464,738	128,279	3,202,167	298,646
Stone.....do.....	(1)	(1)	(1)	(1)
Miscellaneous ⁴		107,348		101,705
Total value, eliminating duplications.....		2,689,627		2,987,351

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census.

³ No canvass.

⁴ Includes minerals indicated by "1" above.

Mineral production of Ohio, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Bromine..... pounds	(1)	(1)	(1)	(1)
Calcium chloride..... short tons	(1)	(1)	(1)	(1)
Cement..... barrels	² 6, 140, 125	² \$8, 233, 817	² 6, 841, 129	² \$9, 202, 414
Clay:				
Products (other than pottery and refractories)		² 26, 539, 916		² 24, 711, 000
Raw (sold by producers)..... short tons	469, 162	912, 780	514, 257	1, 058, 016
Coal..... do	⁴ 20, 289, 553	⁴ 83, 127, 116	² 22, 771, 552	³ 39, 039, 016
Coke..... do	6, 135, 949	⁶ 28, 592, 024	7, 897, 929	⁶ 38, 568, 313
Ferro-alloys..... do	160, 924	⁶ 6, 084, 252	189, 499	⁶ 8, 793, 122
Grindstones..... do	7, 524	246, 119	8, 539	278, 274
Gypsum (crude)..... do	(1)	(1)	(1)	(1)
Iron, pig..... do	8, 119, 073	⁶ 147, 154, 864	10, 275, 696	⁶ 193, 283, 920
Lime..... do	1, 106, 250	8, 967, 195	1, 284, 877	10, 180, 785
Marl, calcareous..... do	(1)	(1)	(1)	(1)
Mineral paints (zinc and lead pigments)..... do	(1 ⁶)	(1 ⁶)	(1 ⁶)	(1 ⁶)
Mineral waters..... gallons sold	(7)	(7)	(7)	(7)
Natural gas..... M cubic feet	36, 469, 000	18, 818, 000	40, 639, 000	20, 850, 000
Natural gasoline..... gallons	7, 445, 000	351, 000	8, 062, 000	333, 000
Peat..... short tons	1, 623	14, 400	2, 531	24, 087
Petroleum..... barrels	3, 156, 000	3, 600, 000	3, 159, 000	4, 100, 000
Rubbing stones, scythestones, and whetstones				
..... short tons	(1)	(1)	(1)	(1)
Salt..... do	1, 794, 788	2, 647, 355	2, 080, 133	2, 781, 599
Sand and gravel..... do	8, 660, 485	6, 595, 483	9, 558, 904	7, 182, 453
Sand and sandstone (ground)..... do	36, 950	223, 965	(1)	(1)
Silica (quartz)..... do	(1)	(1)	(1)	(1)
Stone..... do	⁸ 11, 133, 560	⁸ 10, 140, 272	⁸ 11, 915, 520	⁸ 10, 234, 221
Strontium minerals..... do	(1)	(1)	(1)	(1)
Sulfuric acid ⁹ do	(1 ⁶)	(1 ⁶)	(1 ⁶)	(1 ⁶)
Miscellaneous ¹⁰ do		2, 217, 812		2, 865, 443
Total value, eliminating duplications.....		120, 681, 969		130, 655, 129

¹ Value included under "Miscellaneous."

² Exclusive of natural cement, value for which is included under "Miscellaneous."

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁵ According to Bituminous Coal Division; value includes selling expenses.

⁶ Value not included in total value for State.

⁷ No canvass.

⁸ Exclusive of unclassified stone, value for which is included under "Miscellaneous."

⁹ From zinc-roasting operation.

¹⁰ Includes minerals indicated by "1", "2", and "3" above.

Mineral production of Oklahoma, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asphalt (native)..... short tons.....	(1)	(1)	(1)	(1)
Cement..... barrels.....	(1)	(1)	(1)	(1)
Clats..... short tons.....	1,663,100	(1)	2,152,877	\$308,726
Clay:				
Products (other than pottery and refractories).....		\$ 720,587		\$ 532,000
Raw (sold by producers)..... short tons.....	(1)	(1)	(1)	(1)
Coal..... do.....	\$ 1,187,562	\$ 2,503,456	\$ 1,645,981	\$ 4,021,760
Gypsum (crude)..... do.....	161,748	207,503	176,166	227,534
Iron ore..... long tons.....			(1)	(1)
Lead..... short tons.....	27,720	2,605,680	21,240	2,124,000
Lime..... do.....	(1)	(1)	(1)	(1)
Mineral waters..... gallons sold.....	(5)	(5)	(5)	(5)
Natural gas..... M cubic feet.....	250,875,606	28,163,000	257,626,000	31,603,000
Natural gasoline..... gallons.....	436,123,000	15,502,000	329,369,000	8,926,000
Ores (crude), etc.:				
Zinc..... short tons.....	3,465,900	(6)	5,813,405	(6)
Zinc-lead..... do.....	5,337,000	(6)	5,436,995	(6)
Petroleum..... barrels.....	159,913,000	166,300,000	156,164,000	162,500,000
Pumice..... short tons.....	(1)	(1)	(1)	(1)
Salt..... do.....	(1)	(1)	(1)	(1)
Sand and gravel..... do.....	859,660	400,478	1,030,435	284,010
Stone..... do.....	1,992,660	1,820,409	1,311,640	1,217,525
Sulfuric acid ⁷ do.....	(1 ⁸)	(1 ⁸)	(1 ⁸)	(1 ⁸)
Tripoli..... do.....	(1)	(1)	(1)	(1)
Zinc..... do.....	140,379	14,599,416	162,935	20,529,810
Miscellaneous ⁹		3,945,534		3,669,930
Total value, eliminating duplications.....		236,194,064		235,494,159

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ No canvass.

⁶ Not valued as ore; value of recoverable metal content included under the metals.

⁷ From zinc smelting.

⁸ Value not included in total value for State.

⁹ Includes minerals indicated by "¹¹" above.

Mineral production of Oregon, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Arsenious oxide..... short tons..	(1)	(1)	(1)	(1)
Cement..... barrels..	(2)	(2)	(2)	(2)
Chromite..... long tons..	100	(2)	(2)	(2)
Clay.....				
Products (other than pottery and refractories).....		\$ 410, 963		\$ 397, 000
Raw (sold by producers)..... short tons..	(2)	(2)	(2)	(2)
Coal..... do.....	(34)	(34)	(34)	(34)
Copper..... pounds..	96, 000	9, 984	176, 000	19, 888
Distomite..... short tons..	(2)	(2)	(2)	(2)
Gems and precious stones.....		(2)		(2)
Gold..... troy ounces..	93, 372	3, 268, 020	113, 402	3, 969, 070
Lead..... short tons..	15	1, 410	35	3, 500
Lime..... do.....			(2)	(2)
Mercury..... flasks (76 pounds).....	4, 592	477, 293	9, 043	1, 599, 436
Mineral waters..... gallons sold..	(2)	(2)	(2)	(2)
Ores (crude), etc.:				
Copper..... short tons..			146	(2)
Dry and siliceous (gold and silver)..... do.....	69, 025	(2)	105, 318	(2)
Lead..... do.....			5	(2)
Platinum metals (crude)..... troy ounces..	20	260	69	(2)
Pumice..... short tons..	(2)	(2)	(2)	(2)
Sand and gravel..... do.....	3, 144, 917	1, 233, 320	\$ 1, 622, 921	\$ 859, 943
Silica (quartz)..... do.....	910	5, 600	1, 600	10, 000
Silver..... troy ounces..	105, 388	71, 536	219, 112	155, 813
Stone..... short tons..	2, 225, 610	1, 682, 175	\$ 2, 757, 820	\$ 2, 234, 928
Miscellaneous ¹⁰		1, 476, 486		1, 980, 692
Total value, eliminating duplications.....		8, 937, 047		11, 229, 670

¹ Figures not available.

² Value included under "Miscellaneous."

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁵ According to Bituminous Coal Division; value includes selling expenses.

⁶ No canvass.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ "Commercial." Value of "Government-and-contractor" included under "Miscellaneous."

⁹ Exclusive of sandstone, value for which is included under "Miscellaneous."

¹⁰ Includes minerals indicated by "1," "2," "3," and "4" above.

Mineral production of Pennsylvania, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asbestos..... short tons.....			(1)	(1)
Cement..... barrels.....	24, 870, 343	\$34, 332, 649	27, 499, 786	\$38, 350, 998
Clay:				
Products (other than pottery and refractories).....		\$ 11, 351, 849		\$ 11, 031, 000
Raw (sold by producers)..... short tons.....	667, 140	1, 675, 019	899, 173	2, 189, 509
Coal:				
Anthracite..... do.....	51, 487, 377	187, 175, 000	51, 484, 640	205, 490, 000
Bituminous..... do.....	92, 584, 113	187, 609, 657	116, 602, 999	237, 333, 374
Coke..... short tons.....	12, 120, 225	49, 015, 558	17, 412, 024	69, 599, 076
Cobalt oxide..... pounds.....	(1)	(1)	(1)	(1)
Copper ⁷ long tons.....	(1)	(1)	(1)	(1)
Feldspar (crude)..... short tons.....	(1)	(1)	(1)	(1)
Ferro-alloys..... short tons.....	322, 647	29, 609, 712	512, 174	56, 983, 213
Gems and precious stones.....		(9)		(9)
Gold ⁷ troy ounces.....	1, 815	63, 525	1, 840	64, 400
Iron:				
Ore—				
Sold to furnaces..... long tons.....	(1)	(1)	(1)	(1)
Sold for paint..... do.....	463	(1)	(1)	(1)
Pig..... short tons.....	10, 057, 207	186, 302, 533	14, 571, 517	282, 665, 561
Lime..... do.....	691, 460	4, 744, 197	833, 038	5, 622, 725
Mineral paints (zinc and lead pigments)..... do.....	(1 ⁸)	(1 ⁸)	(1 ⁸)	(1 ⁸)
Mineral waters..... gallons sold.....	(9)	(9)	(9)	(9)
Natural gas..... M cubic feet.....	93, 882, 000	35, 268, 000	90, 725, 000	41, 733, 000
Natural gasoline..... gallons.....	11, 756, 000	499, 000	15, 371, 000	594, 000
Peat..... short tons.....	(1)	(1)	8, 310	23, 540
Petroleum..... barrels.....	17, 382, 000	36, 200, 000	17, 353, 000	39, 700, 000
Pyrites..... long tons.....	(1)	(1)	(1)	(1)
Sand and gravel..... short tons.....	6, 779, 592	6, 752, 222	8, 431, 656	8, 000, 225
Sand and sandstone (ground)..... do.....	(1)	(1)	(1)	(1)
Sand-lime brick..... thousands of brick.....	(1 ⁹)	(1 ⁹)	(1 ⁹)	(1 ⁹)
Silica (quartz)..... short tons.....				9, 290
Silver ⁷ troy ounces.....	13, 558	9, 203	13, 064	2, 609, 801
Slate..... short tons.....	(1)	3, 056, 853	(1)	(1)
Soapstone..... do.....	(1)	(1)	(1)	(1)
Stone..... do.....	10 15, 743, 790	10 16, 906, 854	10 19, 277, 690	10 19, 855, 478
Sulfuric acid (60° Baumé) ¹¹ do.....	254, 758	2, 295, 370	299, 751	2, 739, 724
Tripoli (rottenstone)..... do.....	(1)	(1)	(1)	(1)
Miscellaneous ¹²		14, 660, 980		15, 280, 396
Total value, eliminating duplications.....		531, 007, 890		618, 347, 805

¹ Value included under "Miscellaneous."

² Exclusive of natural cement, value for which is included under "Miscellaneous."

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁵ According to Bituminous Coal Division; value includes selling expenses.

⁶ Value not included in total value for State.

⁷ Copper, gold, and silver were recovered from magnetite-pyrite-chalcocopyrite ore, which is included as iron ore produced. Bureau of Mines not at liberty to publish figures.

⁸ No canvass.

⁹ Figures obtained through cooperation with Bureau of the Census.

¹⁰ Exclusive of dimension basalt, value for which is included under "Miscellaneous."

¹¹ From zinc smelting.

¹² Includes minerals indicated by "i," "g," and "10⁸" above.

Mineral production of Rhode Island, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Clay products (other than pottery and refractories).....		(1) ²		(1) ²
Coke.....short tons.....	(1) ²	(1) ²	(1) ²	(1) ²
Lime.....do.....	(1)	(1)	(1)	(1)
Mineral waters.....gallons sold.....	(4)	(4)	(4)	(4)
Sand and gravel.....short tons.....	333, 557	\$265, 631	515, 129	\$333, 612
Stone.....do.....	320, 780	558, 944	201, 380	511, 620
Miscellaneous ⁴		1, 690, 297		1, 980, 840
Total value, eliminating duplications.....		980, 916		994, 997

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census.

³ Value not included in total value for State.

⁴ No canvass.

⁵ Exclusive of dimension basalt, value for which is included under "Miscellaneous."

⁶ Includes minerals indicated by "1" and "2" above.

Mineral production of South Carolina, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asbestos.....short tons.....	(1)	(1)		
Barite.....do.....	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$1, 573, 470		\$1, 688, 000
Raw (sold by producers).....short tons.....	159, 164	1, 303, 163	152, 529	1, 306, 438
Copper.....pounds.....			800	90
Gold.....troy ounces.....	13, 833	484, 155	13, 076	457, 660
Mica:				
Scrap.....short tons.....			(1)	(1)
Sheet.....pounds.....			(1)	(1)
Mineral waters.....gallons sold.....	(4)	(4)	(4)	(4)
Ore (dry and siliceous) (gold and silver).....short tons.....	114, 514	(4)	126, 607	(4)
Sand and gravel.....do.....	546, 428	313, 758	515, 247	260, 857
Silver.....troy ounces.....	5, 480	3, 720	8, 047	5, 722
Stone.....short tons.....	⁵ 1, 339, 030	⁵ 1, 732, 795	⁵ 1, 233, 610	⁵ 1, 570, 689
Miscellaneous ⁶		11, 918		16, 141
Total value, eliminating duplications.....		5, 422, 979		5, 305, 597

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ No canvass.

⁴ Not valued as ore; value of recoverable metal content included under the metals.

⁵ Exclusive of unclassified stone, value for which is included under "Miscellaneous."

⁶ Includes minerals indicated by "1" and "2" above.

Mineral production of South Dakota, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Beryllium ore (beryl)..... short tons	84	\$2,390	74	\$2,064
Cement..... barrels	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		(1) ¹		(1) ¹
Raw (sold by producers)..... short tons	31,528	217,622	40,481	274,714
Coal..... do	49,495	69,000	66,085	88,000
Copper..... pounds			12,000	1,366
Feldspar (crude)..... long tons	48,328	133,893	54,692	157,323
Gems and precious stones.....		(2)		(2)
Gold..... troy ounces	618,536	21,648,760	586,662	20,533,170
Gypsum (crude)..... short tons	(1)	(1)	(1)	(1)
Iron ore sold for paint..... long tons	300	(1)	640	(1)
Lead..... short tons			7	700
Lime..... do	(1)	(1)	(1)	(1)
Lithium minerals..... do	1,740	34,300	(1)	(1)
Mica:				
Scrap..... do	(1)	(1)	2,240	32,074
Sheet..... pounds	(1)	(1)	107,062	12,509
Mineral waters..... gallons sold	(2)	(2)	(2)	(2)
Natural gas..... M cubic feet	10,000	3,000	9,000	3,000
Ores (crude), etc.:				
Dry and siliceous (gold and silver)..... short tons	1,632,778	(4)	1,667,289	(4)
Lead..... do			81	(4)
Sand and gravel..... do	2,539,417	722,046	2,910,331	524,842
Sand-lime brick..... thousands of brick	(1) ³	(1) ³	(1) ³	(1) ³
Silver..... troy ounces	167,584	113,754	175,514	124,810
Stone..... short tons	408,730	998,444	255,600	878,866
Tantalum ore..... pounds	(1)	(1)		
Tin (metallic equivalent)..... short tons	(2)	608	2	1,710
Miscellaneous ⁴		869,804		893,687
Total value, eliminating duplications.....		24,813,621		23,528,825

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census.

³ No canvass.

⁴ Not valued as ore; value of recoverable metal content included under the metals.

⁵ 1,210 pounds.

⁶ Includes minerals indicated by "1" above.

Mineral production of Tennessee, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Aluminum..... pounds.....	(1) ¹	(1) ²	164, 512, 530	³ \$30, 023, 000
Barite..... short tons.....	57, 140	\$372, 348	70, 767	503, 204
Cement..... barrels.....	3, 677, 116	5, 613, 477	3, 766, 807	5, 655, 635
Clay:				
Products (other than pottery and refractories).....		⁴ 2, 107, 917		⁵ 1, 869, 000
Raw (sold by producers)..... short tons.....	61, 867	425, 008	89, 582	491, 271
Coal..... do.....	⁴ 5, 185, 481	⁴ 10, 100, 341	⁶ 6, 008, 456	⁷ 12, 024, 742
Coke..... do.....	79, 448	⁸ 527, 535	99, 705	⁹ 618, 746
Copper..... pounds.....	(1)	(1)	(1)	(1)
Ferro-alloys..... short tons.....	22, 494	² 1, 442, 967	38, 900	² 3, 041, 405
Fuller's earth..... do.....	(1)	(1)	(1)	(1)
Gold..... troy ounces.....	163	5, 705	173	6, 055
Iron:				
Ore—				
Sold to furnaces..... long tons.....	(1)	(1)	(1)	(1)
Sold for paint..... do.....	781	3, 044	169	(1)
Pig..... short tons.....	(1) ²	(1) ²	(1) ²	(1) ²
Sinter from copper sulfide ore..... long tons.....	(1)	(1)	(1)	(1)
Lead..... short tons.....	(1)	(1)	573	57, 300
Lime..... do.....	163, 006	893, 161	192, 133	1, 050, 199
Manganese ore..... long tons.....	7, 835	128, 176	7, 418	120, 736
Manganiferous ore..... do.....	294	2, 030	2, 327	(1)
Mineral waters..... gallons sold.....	(9)	(9)	(9)	(9)
Natural gas..... M cubic feet.....	8, 000	3, 000	9, 000	3, 000
Ores (crude), etc.:				
Copper..... short tons.....	513, 400	(7)	705, 574	(7)
Dry and siliceous (gold and silver)..... do.....	20	(7)		
Lead..... do.....			8, 709	(7)
Zinc..... do.....	1, 065, 900	(7)	1, 206, 786	(7)
Zinc-lead..... do.....	18, 000	(7)	549	(7)
Petroleum..... barrels.....	50, 000	55, 000	24, 000	23, 000
Phosphate rock..... long tons.....	(1)	(1)	(1)	(1)
Pyrites..... do.....	(1)	(1)	(1)	(1)
Sand and gravel..... short tons.....	2, 689, 844	1, 967, 356	3, 104, 382	2, 255, 287
Silica (quartz)..... do.....	(1)	(1)	(1)	(1)
Silver..... troy ounces.....	31, 994	21, 717	38, 610	27, 456
Slate..... do.....	(1)	(1)		
Stone..... short tons.....	⁸ 5, 626, 210	⁸ 8, 312, 977	5, 604, 170	6, 674, 710
Sulfuric acid ⁹ do.....	(1) ²	(1) ²	(1) ²	(1) ²
Tripoli..... do.....	(1)	(1)		
Zinc..... do.....	(1)	(1)	34, 796	4, 384, 296
Miscellaneous ¹⁰		37, 574, 261		8, 832, 008
Total value, eliminating duplications.....		39, 818, 234		42, 683, 407

¹ Value included under "Miscellaneous."

² Value not included in total value for State.

³ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁵ According to Bituminous Coal Division; value includes selling expenses.

⁶ No canvass.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ Exclusive of dimension limestone, value for which is included under "Miscellaneous."

⁹ From copper smelting.

¹⁰ Includes minerals indicated by "1" and "8" above.

Mineral production of Texas, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asphalt (native)..... short tons..	138, 911	\$333, 818	158, 220	\$306, 120
Barite..... do.....			100	460
Cement..... barrels..	7, 207, 001	12, 152, 780	7, 383, 600	12, 198, 800
Clay:				
Products (other than pottery and refractories).....		¹ 3, 696, 905		¹ 3, 173, 000
Raw (sold by producers)..... short tons..	43, 813	288, 404	92, 719	407, 873
Coal:				
Bituminous..... do.....	(²)	(²)	4 14, 137	4 48, 278
Lignite..... do.....	814, 022	875, 000	606, 418	637, 000
Copper..... pounds..	68, 000	7, 072	60, 000	6, 780
Fuller's earth..... short tons..	38, 338	359, 058	34, 039	277, 229
Gems and precious stones.....				(³)
Gold..... troy ounces..	324	11, 340	312	10, 920
Gypsum (crude)..... short tons..	283, 912	266, 265	328, 261	368, 882
Helium..... cubic feet..	⁴ 6, 281, 800	⁴ 75, 262	⁴ 9, 450, 855	⁴ 85, 081
Iron ore..... long tons..	(⁵)	(⁵)	(⁵)	(⁵)
Lead..... short tons..	227	21, 338	205	20, 500
Lime..... do.....	62, 048	524, 748	64, 274	543, 130
Magnesite..... do.....			(⁶)	(⁶)
Magnesium sulfate (natural)..... pounds..			(⁶)	(⁶)
Mercury..... flasks (76 pounds).....	(⁶)	(⁶)	(⁶)	(⁶)
Mineral waters..... gallons sold..	(⁶)	(⁶)	(⁶)	(⁶)
Natural gas..... M cubic feet..	979, 427, 000	141, 535, 000	1, 063, 538, 000	151, 580, 000
Natural gasoline..... gallons..	770, 047, 000	25, 807, 000	932, 040, 000	20, 322, 000
Ores (crude), etc.:				
Copper..... short tons..	657	(⁷)	3	(⁷)
Dry and siliceous (gold and silver)..... do.....	141, 132	(⁷)	146, 811	(⁷)
Lead..... do.....	6	(⁷)	122	(⁷)
Petroleum..... barrels..	483, 528, 000	478, 330, 000	493, 209, 000	494, 000, 000
Salt (sodium chloride)..... short tons..	352, 008	604, 633	402, 165	792, 214
Sand and gravel..... do.....	7, 622, 309	3, 670, 423	6, 930, 975	3, 446, 085
Silver..... troy ounces..	1, 341, 945	910, 896	1, 326, 150	943, 040
Sodium sulfate (natural)..... short tons..	(⁸)	(⁸)	(⁸)	(⁸)
Stone..... do.....	3, 771, 750	3, 320, 508	2, 737, 690	2, 581, 358
Strontium minerals..... do.....	(⁹)	(⁹)	(⁹)	(⁹)
Sulfur..... long tons..	1, 784, 952	28, 498, 473	2, 008, 968	32, 143, 480
Sulfur ore..... do.....			150	1, 800
Tripoli..... short tons..	(⁹)	(⁹)	(⁹)	(⁹)
Vermiculite..... do.....			(⁹)	(⁹)
Miscellaneous ⁹		683, 112		1, 111, 009
Total value, eliminating duplications.....		701, 972, 035		725, 005, 009

¹ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

² Value included under "Miscellaneous."

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ No canvass.

⁶ Figures cover fiscal year ended June 30 of year stated.

⁷ Not valued as ore; value of recoverable metal content included under the metals.

⁸ Figures not available.

⁹ Includes minerals indicated by "9" above.

Mineral production of Utah, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Arsenious oxide..... short tons..	(1)	(1)	(1)	(1)
Asphalt (native)..... do.....	37,364	\$1,059,034	32,000	\$776,171
Bismuth..... pounds.....	(2)	(2)	(2)	(2)
Bitumen, natural sulfonated..... short tons..	(1)	(1)	(1)	(1)
Cement..... barrels.....	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$ 668,717		\$ 630,523
Raw (sold by producers)..... short tons..	29,468		27,506	98,153
Coal..... do.....	4 3,284,904	4 7,019,584	3 3,575,586	5 7,871,939
Coke..... do.....	197,526	(1 6)	226,347	(1 6)
Copper..... pounds.....	343,780,000	35,753,120	463,728,000	52,401,264
Fluorspar..... short tons..	385	(1)	142	(1)
Gems and precious stones.....		(7)		(7)
Gold..... troy ounces.....	277,751	9,721,285	355,494	12,442,290
Gypsum (crude)..... short tons..	58,146	65,269	45,421	60,055
Iron:				
Ore..... long tons.....	262,087	(1)	326,500	(1)
Pig..... short tons.....	(1 6)	(1 6)	(1 6)	(1 6)
Lead..... do.....	67,634	6 357,596	75,688	7,568,807
Lime..... do.....	38,437	268,557	49,413	306,350
Manganese ore..... long tons..	50	(1)	27	(1)
Manganiferous ore..... do.....	262	1,550	2,102	13,134
Mercury..... flasks (76 pounds).....			53	9,374
Molybdenum..... pounds.....	4,957,484	(1)	4,285,688	(1)
Natural gas..... M cubic feet.....	4,854,000	1,063,000	5,124,000	1,063,000
Natural gasoline..... gallons.....	600,000	26,000	722,000	28,000
Ores (crude, etc.):				
Copper..... short tons.....	19,602,472	(9)	26,301,745	(9)
Dry and siliceous (gold and silver)..... do.....	838,897	(9)	795,123	(9)
Lead..... do.....	77,072	(9)	65,072	(9)
Lead-copper..... do.....	4,951	(9)	8,510	(9)
Zinc..... do.....			26	(9)
Zinc-lead..... do.....				
Zinc-lead-copper..... do.....	570,706	(9)	768,870	(9)
Petroleum..... barrels.....	4,000	4,000	3,000	3,000
Potassium salts..... short tons..	(1)	(1)	(1)	(1)
Salt (sodium chloride)..... do.....	68,100	202,244	71,472	191,263
Sand and gravel..... do.....	2,218,678	1,100,013	1,899,563	682,708
Silver..... troy ounces.....	10,758,657	7,302,846	12,172,299	8,655,857
Sodium sulfate (natural)..... short tons..	(1)	(1)	(1)	(1)
Stone..... do.....	9 790,610	9 444,856	1,024,660	663,127
Sulfur..... long tons.....	(1)	(1)	(1)	(1)
Sulfuric acid ¹⁰ short tons..	(1 6)	(1 6)	(1 6)	(1 6)
Tungsten ore (60-percent concentrates)..... do.....	3	(1)	14	(1)
Uranium and vanadium ores..... do.....	2,237	(1)	3,600	(1)
Zinc..... do.....	34,526	3,590,704	43,788	5,517,288
Miscellaneous ¹¹ do.....		9,355,393		10,431,709
Total value, eliminating duplications.....		80,127,521		104,392,989

¹ Value included under "Miscellaneous."² Figures not available.³ Figures obtained through cooperation with Bureau of the Census.⁴ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.⁵ According to Bituminous Coal Division; value includes selling expenses.⁶ Value not included in total value for State.⁷ No canvass.⁸ Not valued as ore; value of recoverable metal content included under the metals.⁹ Exclusive of granite, value for which is included under "Miscellaneous."¹⁰ From copper smelting.¹¹ Includes minerals indicated by "1" and "9" above.

Mineral production of Vermont, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Asbestos..... short tons..	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		(1 2)		(1 2)
Raw (sold by producers)..... short tons..	(1)	(1)	(1)	(1)
Garnet, abrasive..... do.....	(1)	(1)	(1)	(1)
Lime..... do.....	63, 316	\$452, 045	61, 026	\$430, 178
Magnesite..... do.....	(1)	(1)		
Mica, scrap..... do.....	(1)	(1)	290	2, 964
Mineral waters..... gallons sold..	(3)	(3)	(3)	(3)
Sand and gravel..... short tons..	529, 248	238, 252	4 873, 325	4 217, 661
Slate..... do.....		1, 948, 315		1, 555, 230
Stone..... short tons..	232, 770	3, 412, 005	1 135, 680	1 3, 681, 752
Talc..... do.....	39, 393	378, 492	38, 516	423, 368
Miscellaneous 6.....		543, 145		668, 619
Total value, eliminating duplications.....		6, 972, 234		6, 979, 772

1 Value included under "Miscellaneous."
 2 Figures obtained through cooperation with Bureau of the Census.
 3 No canvass.
 4 "Government-and-contractor." Value of "Commercial" included under "Miscellaneous."
 5 Exclusive of crushed sandstone. value for which is included under "Miscellaneous."
 6 Includes minerals indicated by "1", "4", and "8" above.

Mineral production of Virginia, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Aplite..... short tons.....	(1)	(1)	(1)	(1)
Asbestos..... do.....	(1)	(1)	(1)	(1)
Barite..... do.....	(1)	(1)	(1)	(1)
Bauxite..... long tons.....	(1)	(1)	(1)	(1)
Cement..... barrels.....	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories).....		\$ 2,818,947		\$ 2,602,000
Raw (sold by producers)..... short tons.....	(1)	(1)	(1)	(1)
Coal..... do.....	\$ 13,530,974	\$ 24,993,885	\$ 15,348,075	\$ 29,965,943
Coke..... do.....	165,317	783,512	198,379	943,753
Feldspar (crude)..... long tons.....	18,544	100,299	21,705	116,531
Ferro-alloys..... short tons.....	(1 ⁵)	(1 ⁵)	(1 ⁵)	(1 ⁵)
Gold..... troy ounces.....	364	12,740	458	16,030
Gypsum (crude)..... short tons.....	(1)	(1)	(1)	(1)
Iron:				
Ore..... long tons.....	(1)	(1)	(1)	(1)
Pig..... short tons.....	(1 ⁵)	(1 ⁵)	(1 ⁵)	(1 ⁵)
Kyanite..... do.....	(1)	(1)	(1)	(1)
Lead..... do.....	(1)	(1)	2,285	228,500
Lime..... do.....	166,542	990,796	178,036	1,044,229
Manganese ore..... long tons.....	1,661	31,795	2,216	41,286
Manganiferous ore..... do.....	4,584	27,004	4,559	30,069
Marl, calcareous..... short tons.....	8,869	9,311	8,176	7,392
Mica:				
Scrap..... do.....	(1)	(1)	(1)	(1)
Sheet..... pounds.....	(1)	(1)	(1)	(1)
Millstones..... do.....	(1)	(1)	(1)	(1)
Mineral waters..... gallons sold.....	(0)	(0)	(0)	(0)
Natural gas..... M cubic feet.....	60,000	48,000	80,000	81,000
Ores (crude), etc.:				
Dry and siliceous (gold and silver)..... short tons.....	3,350	(1)	2,480	(1)
Zinc-lead..... do.....	650,231	(1)	599,759	(1)
Phosphate rock..... long tons.....	(1)	(1)	(1)	(1)
Pyrites..... do.....	(1)	(1)	(1)	(1)
Salt..... short tons.....	(1)	(1)	(1)	(1)
Sand and gravel..... do.....	2,639,790	1,425,708	2,671,412	1,778,576
Sand and sandstone (ground)..... do.....	(1)	(1)	(1)	(1)
Silica (quartz)..... do.....	(1)	(1)	(1)	(1)
Silver..... troy ounces.....	1,780	1,208	271	193
Slate..... do.....	(1)	(1)	(1)	(1)
Stone ⁶ short tons.....	5,813,630	5,879,447	6,800,640	6,959,136
Talc and ground soapstone ⁷ do.....	(1)	(1)	(1)	(1)
Titanium minerals:				
Ilmenite..... do.....	(1)	(1)	(1)	(1)
Rutile..... do.....	(1)	(1)	(1)	(1)
Zinc..... do.....	(1)	(1)	16,927	2,132,802
Miscellaneous ⁸ do.....		11,613,097		10,966,418
Total value, eliminating duplications.....		43,9 ² ,881		50,003,672

¹ Value included under "Miscellaneous."² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.⁴ According to Bituminous Coal Division; value includes selling expenses.⁵ Value not included in total value for State.⁶ No canvass.⁷ Not valued as ore; value of recoverable metal content included under the metals.⁸ Soapstone used as dimension stone included in figures for stone.⁹ Includes minerals indicated by "4" above.

Mineral production of Washington, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Aluminum.....pounds			9,987,957	\$1,823,000
Arsenious oxide.....short tons	(?)	(?)	(?)	(?)
Cement.....barrels	(?)	(?)	(?)	(?)
Clay:				
Products (other than pottery and refractories)		\$1,030,025		\$1,241,000
Raw (sold by producers).....short tons	28,637	53,634	36,915	47,353
Coal.....do	\$1,690,442	\$5,261,681	\$1,650,352	\$5,221,717
Coke.....do			(?)	(?)
Copper.....pounds	17,996,000	1,871,584	19,224,000	2,172,312
Diatomite.....short tons	1,707	24,814	(?)	(?)
Gems and precious stones		(?)		(?)
Gold.....troy ounces	90,420	3,164,700	82,136	2,874,760
Iron ore.....long tons	10,747	44,188	5,582	(?)
Lead.....short tons	3,718	349,492	2,555	255,500
Lime.....do	47,485	484,667	53,428	582,416
Magnesite.....do	(?)	(?)	(?)	(?)
Magnesium sulfate (natural).....pounds	(?)	(?)	(?)	(?)
Manganese ore.....long tons	10	(?)		
Mercury.....flasks (76 pounds)			(?)	(?)
Mineral waters.....gallons sold	(?)	(?)		(?)
Molybdenum.....pounds			4,624	(?)
Natural gas.....M cubic feet	63,000	59,000	36,000	37,000
Ores (crude), etc.:				
Copper.....short tons	597,957	(?)	689,325	(?)
Dry and siliceous (gold and silver).....do	266,857	(?)	204,146	(?)
Lead.....do	400	(?)	100	(?)
Zinc-lead.....do	259,350	(?)	273,227	(?)
Feat.....do	(?)	(?)	(?)	(?)
Pulpstones.....do	(?)	(?)	180	11,130
Sand and gravel.....do	11,918,217	6,048,619	6,987,761	4,273,251
Sand-lime brick.....thousands of brick	(?)	(?)	(?)	(?)
Silver.....troy ounces	442,063	300,067	365,175	259,680
Stone.....short tons	2,329,020	2,020,445	2,347,190	1,941,820
Strontium minerals.....do			(?)	(?)
Tale and ground soapstone.....do	190	1,225	4	1,394
Tungsten ore (60-percent concentrates).....d j	100	(?)	74	(?)
Zinc.....do	10,131	1,053,624	11,560	1,456,560
Miscellaneous ¹⁰do		9,827,939		7,709,823
Total value, eliminating duplications.....		31,595,704		28,090,188

¹ Value not included in total value for State.

² Figures not available.

³ Value included under "Miscellaneous."

⁴ Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

⁵ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁶ According to Bituminous Coal Division: value includes selling expenses.

⁷ No canvass.

⁸ Not valued as ore; value of recoverable metal content included under the metals.

⁹ Figures obtained through cooperation with Bureau of the Census.

¹⁰ Includes minerals indicated by "Q" above.

Mineral production of West Virginia, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Bromine.....pounds..	858,059	\$140,910	1,152,237	\$179,011
Calcium chloride.....short tons..	12,473	83,583	12,103	79,978
Cement.....barrels..	(1)	(1)	(1)	(1)
Clay.....				
Products (other than pottery and refractories).....		\$ 3,000,116		\$ 2,451,000
Raw (sold by producers).....short tons..	40,788	93,426	55,853	103,989
Coal.....do..	\$108,361,934	\$190,492,164	\$126,437,621	\$231,603,534
Coke.....do..	1,686,070	4,699,840	2,133,003	6,170,849
Ferro-alloy.....do..	(1) ¹	(1)	(1)	(1)
Grindstones and pulpstones.....do..	2,703	168,510	4,604	207,044
Iron, pig.....do..	853,229	(1)	941,299	(1)
Lime.....do..	249,987	1,461,002	278,300	1,727,844
Manganese ore.....long tons..	26	380	219	(1)
Marl, calcareous.....short tons..	(1)	(1)	(1)	(1)
Mineral waters.....gallons sold..	(6)	(6)	(6)	(6)
Natural gas.....M cubic feet..	159,226,000	63,194,000	188,751,000	76,035,000
Natural gasoline.....gallons..	52,272,000	2,017,000	58,782,000	1,848,000
Petroleum.....barrels..	3,580,000	6,000,000	3,444,000	6,400,000
Salt.....short tons..	144,727	773,988	144,312	701,953
Sand and gravel.....do..	1,968,852	2,036,020	2,297,610	2,240,650
Sand and sandstone (ground).....do..	(1)	(1)	(1)	(1)
Stone.....do..	\$ 3,808,140	\$ 4,477,828	\$ 3,719,950	\$ 3,818,786
Sulfuric acid.....do..	(1)	(1)	(1)	(1)
Miscellaneous.....		20,437,932		31,257,639
Total value, eliminating duplications.....		276,064,118		329,891,960

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ Value not included in total value for State.

⁶ No canvass.

⁷ Exclusive of unclassified stone in 1939 and of dimension limestone in 1940, value for which is included under "Miscellaneous."

⁸ From zinc smelting.

⁹ Includes minerals indicated by "1" and "7" above.

Mineral production of Wisconsin, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement.....barrels..	(1)	(1)	(1)	(1)
Clay products (other than pottery and refractories).....		\$ 494,323		\$ 326,000
Coke.....short tons..	(1) ¹	(1)	(1)	(1)
Iron ore—				
Sold to furnaces.....long tons..	1,178,828	3,526,980	1,227,840	3,290,889
Sold for paint.....do..			598	(1)
Lead.....short tons..	388	36,472	445	44,500
Lime.....do..	64,290	541,787	65,632	542,749
Marl, calcareous.....do..	(1)	(1)	(1)	(1)
Mineral waters.....gallons sold..	(4)	(4)	(4)	(4)
Molybdenum.....pounds..	(1)	(1)		
Ores (crude), etc.:				
Zinc.....short tons..			190,326	(9)
Zinc-lead.....do..	218,400	(9)		
Pyrites.....long tons..	(1)	(1)	(1)	(1)
Sand and gravel.....short tons..	7,024,722	2,616,204	6,742,882	2,304,197
Sand and sandstone (ground).....do..	(1)	(1)	(1)	(1)
Sand-lime brick.....thousands of brick..	(1) ¹	(1) ¹	(1) ¹	(1) ¹
Silica (quartz).....short tons..	(1)	(1)	(1)	(1)
Stone.....do..	3,182,780	3,564,045	4,330,360	5,030,263
Zinc.....do..	5,904	614,016	5,770	727,020
Miscellaneous.....		4,993,973		5,356,657
Total value, eliminating duplications.....		12,704,942		13,553,683

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ Value not included in total value for State.

⁴ No canvass.

⁵ Not valued as ore; value of recoverable metal content included under the metals.

⁶ Figures obtained through cooperation with Bureau of the Census.

⁷ Includes minerals indicated by "1" above.

Mineral production of Wyoming, 1939-40

Product	1939		1940	
	Quantity	Value	Quantity	Value
Cement.....barrels	(1)	(1)	(1)	(1)
Clay:				
Products (other than pottery and refractories)		\$ 182, 185		\$ 193, 000
Raw (sold by producers).....short tons	76, 133	777, 722	91, 714	976, 844
Coal.....do	\$ 5, 373, 289	\$ 10, 753, 533	\$ 5, 808, 042	\$ 11, 944, 261
Copper.....pounds		4, 000		452
Feldspar (crude).....long tons	6, 726	25, 008	7, 833	29, 128
Gems and precious stones.....		(9)		(9)
Gold.....troy ounces	583	20, 405	740	25, 900
Gypsum (crude).....short tons	(1)	(1)	5, 415	8, 393
Iron ore.....long tons	587, 892	(1)	831, 314	(1)
Mica, scrap.....short tons	(1)	(1)		
Mineral waters.....gallons sold	(9)	(9)	(9)	(9)
Natural gas.....M cubic feet	26, 614, 000	4, 901, 000	27, 346, 000	5, 221, 000
Natural gasoline.....gallons	30, 961, 000	1, 575, 000	33, 380, 000	1, 271, 000
Ores (crude), etc.:				
Copper.....short tons			30	(9)
Dry and siliceous (gold and silver).....do	57	(9)	783	(9)
Petroleum.....barrels	21, 454, 000	18, 150, 000	25, 711, 000	20, 600, 000
Sand and gravel.....short tons	1, 675, 120	746, 022	1, 676, 954	594, 111
Silver.....troy ounces	75	51	114	81
Sodium sulfate (natural).....short tons	(1)	(1)	(1)	(1)
Stone.....do	690, 860	668, 069	405, 140	375, 463
Tantalum ore.....pounds	(1)	(1)		
Vermiculite.....short tons	(1)	(1)	(1)	(1)
Miscellaneous ¹		1, 614, 006		1, 833, 900
Total value, eliminating duplications.....		39, 413, 001		43, 073, 533

¹ Value included under "Miscellaneous."

² Figures obtained through cooperation with Bureau of the Census. Total for 1940 is estimate by Bureau of Mines based on figures issued by Bureau of the Census as somewhat incomplete.

³ According to Bituminous Coal Division and Bureau of the Census; producers were asked to exclude selling expenses in reporting value, but a number of them included such expenses.

⁴ According to Bituminous Coal Division; value includes selling expenses.

⁵ No canvass.

⁶ Not valued as ore; value of recoverable metal content included under the metals.

⁷ Includes minerals indicated by "1" above.

