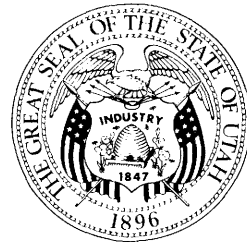


Utah Mineral Industry Statistics through 1973

compiled by
Carlton H. Stowe

UTAH GEOLOGICAL AND MINERAL SURVEY
a division of the
UTAH DEPARTMENT OF NATURAL RESOURCES

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Introduction

The *Utah Mineral Industry Statistics through 1973*, which presents statistics of the mineral industry in Utah from first recorded production, is the result of many people's diligent work over many years.

From 1950 to 1970 Walter Horne and others of the Utah Mining Association compiled statistical data on Utah's mineral industry. Where comparisons were applicable, they included information on the mineral industry of the United States. In 1970 this work was turned over to the Utah Geological and Mineral Survey for publication and Carlton Stowe of the UGMS staff continued the statistical collection, revising the material where necessary.

In this volume the tables containing monthly figures reflect preliminary U. S. Bureau of Mines data reported in Mineral Industry Survey reports; when added, these figures may not always match the revised total given in the yearly production tables.

Abbreviations are those adopted by the American Gas Association, the American Petroleum Institute, the American Mining Association, and the U. S. Bureau of Mines. The statistics are derived from the following sources (the U. S. Bureau of Mines yearbooks and reports are the sources most often used):

Annual Reports (individual company).
American Gas Association.
American Petroleum Institute.
Atomic Energy Commission.
Engineering and Mining Journal.
Intermountain Industry.
Mining Congress Journal.
Oil and Gas Journal.
Petroleum Independent.
Petroleum Information Corporation.
University of Utah
Bureau of Economic and Business Research.
U. S. Bureau of Land Management.
U. S. Bureau of Mines.
U. S. Geological Survey.
The Utah Foundation.
Utah Mining Association.
Utah State agencies:
Department of Employment Security;
Tax Commission, Mineral Property Division;
Department of Natural Resources,
Division of State Lands;
Department of Natural Resources,
Division of Oil and Gas.
Western Oil Reporter.
Various Utah Geological and Mineral Survey
publications issued.

¹ Information and Statistical Specialist, Utah Geological and Mineral Survey, Salt Lake City, Utah.

Table 1. U. S. production of five major nonferrous metals, 1880-1973

Year	Copper		Lead		Zinc		Gold		Silver		Total value
	Tons	Value	Tons	Value	Tons	Value	Ounces	Value	Ounces	Value	
1880 ¹	30,240	\$ 12,942,720	95,725	\$ 9,572,500	26,028	\$ 2,863,080	1,741,500	\$ 36,000,000	30,318,700	\$34,717,000	\$ 96,095,300
1881	35,840	13,045,760	114,495	10,991,520	33,600	3,494,400	1,678,612	34,700,000	33,257,800	37,657,500	99,889,180
1882	45,823	17,313,430	129,780	12,718,440	33,766	3,579,090	1,572,187	32,500,000	36,196,900	41,105,900	107,216,860
1883	57,763	19,061,799	140,297	12,065,542	36,872	3,318,480	1,451,250	30,000,000	35,732,800	39,618,400	104,064,221
1884	72,473	18,843,065	136,297	10,085,978	38,544	3,391,872	1,489,950	30,800,000	37,743,800	41,921,300	105,042,215
1885	82,938	17,914,552	126,192	10,095,360	40,688	3,499,168	1,538,373	31,801,000	39,909,400	42,503,500	105,813,580
1886	78,882	17,511,698	127,189	11,701,388	42,641	3,752,408	1,686,788	34,869,000	39,694,000	39,482,400	107,316,894
1887	90,739	25,043,872	141,630	12,746,700	50,340	4,631,280	1,603,049	33,136,000	41,721,600	40,887,200	116,445,052
1888	113,182	38,028,726	147,379	12,969,352	55,903	5,478,494	1,604,478	33,167,500	45,792,700	43,045,100	132,689,172
1889	113,388	30,614,755	151,787	11,839,386	58,860	5,886,000	1,594,775	32,967,000	50,094,500	46,838,400	128,145,541
1890	129,882	40,523,042	139,720	12,574,800	63,683	7,005,130	1,588,877	32,845,000	54,516,300	57,242,100	150,190,072
1891	142,062	36,367,586	174,511	15,007,946	80,873	8,087,300	1,604,840	33,175,000	58,330,000	57,630,000	150,267,832
1892	172,499	37,977,142	168,266	13,797,812	87,260	8,027,920	1,597,098	33,015,000	63,500,000	55,662,500	148,480,374
1893	169,677	35,570,275	158,969	11,763,706	78,832	6,306,560	1,739,323	35,955,000	60,000,000	46,800,000	136,395,541
1894	177,094	33,647,896	153,911	10,158,126	75,328	5,272,960	1,910,813	39,500,000	49,500,000	31,422,100	120,008,082
1895	190,307	40,725,634	159,649	10,217,536	89,686	6,457,392	2,254,760	46,610,000	55,727,000	36,445,500	140,456,062
1896	230,032	49,686,634	179,749	10,784,940	81,499	6,856,922	2,568,132	53,088,000	58,834,800	39,654,600	160,071,096
1897	247,039	59,289,393	198,498	14,291,856	99,980	8,198,360	2,774,935	57,363,000	53,860,000	32,316,000	171,458,609
1898	263,257	65,287,610	202,203	15,367,428	115,399	10,616,708	3,118,398	64,463,000	54,438,000	32,118,400	187,853,146
1899	284,334	97,242,043	202,121	18,190,890	129,051	14,969,916	3,437,210	71,053,400	54,764,500	32,858,700	234,314,949
1900	303,058	100,615,450	260,918	22,960,784	123,886	10,901,968	3,829,897	79,171,000	57,647,000	36,741,100	250,390,302
1901	301,037	100,546,111	258,610	22,240,460	140,822	11,547,404	3,805,500	78,666,700	55,214,000	33,128,400	246,129,075
1902	329,755	80,460,055	267,286	21,917,452	156,927	15,064,992	3,870,000	80,000,000	55,500,000	29,415,000	226,857,499
1903	349,023	95,632,099	280,615	23,571,660	159,219	17,195,652	3,560,000	73,591,700	54,300,000	29,322,000	239,313,111
1904	406,268	104,004,770	297,602	25,593,772	186,702	19,043,604	3,892,480	80,464,700	57,682,800	33,456,000	262,562,846
1905	444,391	138,650,346	307,514	28,906,316	203,849	24,054,182	4,265,742	88,180,700	56,101,600	34,222,000	314,013,544
1906	458,903	177,136,497	336,200	38,326,800	199,694	24,362,668	4,565,333	94,373,800	56,517,900	38,256,400	372,456,165
1907	434,498	173,799,300	352,381	37,352,386	223,745	26,401,910	4,374,827	90,435,700	56,514,700	37,299,700	365,288,996
1908	471,286	124,419,335	311,666	26,179,944	190,749	17,930,406	4,574,340	94,560,000	52,440,800	28,050,600	291,140,285
1909	546,476	142,083,711	352,839	30,344,154	230,225	24,864,300	4,821,701	99,673,400	54,721,500	28,455,200	325,420,765
1910	540,080	137,180,257	375,402	33,035,376	252,479	27,267,732	4,657,018	96,269,100	57,137,900	30,854,500	324,606,965
1911	548,617	137,154,092	391,995	35,279,550	271,621	30,964,794	4,687,053	96,890,000	60,399,400	32,615,700	332,904,136
1912	621,635	205,139,338	392,517	35,326,530	323,907	44,699,166	4,520,717	93,451,500	63,766,800	39,197,500	417,814,034
1913	612,242	189,795,035	411,878	36,245,264	337,252	37,772,224	4,299,784	88,884,400	66,801,500	40,348,100	393,045,023
1914	575,069	152,968,000	512,794	39,998,000	343,418	35,029,000	4,572,976	94,531,800	72,455,100	40,067,700	362,594,500
1915	694,005	242,902,000	507,026	47,660,000	458,135	113,617,000	4,887,602	101,035,700	74,961,075	37,397,300	542,612,000
1916	963,925	474,288,000	552,228	76,207,000	563,451	151,005,000	4,479,056	92,590,300	74,414,802	48,953,000	843,043,300
1917	943,060	514,911,000	548,450	94,333,000	584,597	119,258,000	4,051,440	83,750,700	71,740,362	59,078,100	871,330,800
1918	954,267	471,408,000	539,905	76,667,000	492,405	89,618,000	3,320,784	68,646,700	67,810,139	66,485,129	772,824,829
1919	643,210	239,274,000	424,433	44,990,000	452,272	66,032,000	2,918,628	60,333,400	56,682,445	63,533,652	474,163,052
1920	604,531	222,467,000	476,849	76,296,000	450,045	72,907,000	2,476,166	51,186,900	55,361,573	60,801,955	483,658,855
1921	252,793	65,221,000	398,222	35,840,000	198,232	19,823,000	2,422,006	50,067,300	53,052,441	53,052,441	224,003,741

Table 1. U. S. production of five major nonferrous metals, 1880-1973—continued

Year	Copper		Lead		Zinc		Gold		Silver		Total value
	Tons	Value	Tons	Value	Tons	Value	Ounces	Value	Ounces	Value	
1922	475,143	128,289,000	468,746	51,562,000	353,274	40,273,000	2,363,075	48,849,100	56,240,048	56,240,048	325,213,348
1923	717,500	210,945,000	543,841	76,138,000	508,335	69,134,000	2,502,632	51,734,000	73,335,170	60,134,839	468,085,839
1924	817,125	214,087,000	566,407	90,625,000	515,831	67,058,000	2,528,900	52,277,000	65,407,186	43,822,814	467,869,814
1925	837,435	237,832,000	654,921	113,956,000	555,631	84,456,000	2,411,897	49,860,200	66,155,424	45,911,864	532,016,064
1926	869,811	243,547,000	680,685	108,910,000	611,991	91,799,000	2,335,042	48,269,600	62,718,746	39,136,497	531,662,097
1927	842,020	220,609,000	668,320	84,208,000	576,960	73,851,000	2,197,125	45,418,000	60,434,441	34,266,328	458,352,328
1928	912,950	262,930,000	626,202	72,639,000	591,525	72,166,000	2,233,251	46,165,400	58,462,507	34,200,567	488,100,967
1929	1,001,432	352,504,000	672,498	84,735,000	612,136	80,802,000	2,208,386	45,651,400	61,327,868	32,687,754	596,380,154
1930	697,200	181,271,000	573,740	57,374,000	489,361	46,979,000	2,285,603	47,247,600	50,748,127	19,538,029	352,409,629
1931	521,356	94,887,000	390,260	28,879,000	291,996	22,192,000	2,395,878	49,527,200	30,932,050	8,970,294	204,455,494
1932	272,005	34,273,000	255,337	15,320,000	207,148	12,429,000	2,449,032	50,626,000	23,980,773	6,762,578	119,410,578
1933	225,000	28,800,000	259,616	19,212,000	306,010	25,705,000	2,556,246	65,337,648	23,002,629	8,050,920	147,105,568
1934	244,227	39,076,000	299,841	22,188,000	355,366	30,561,000	3,091,183	108,191,400	32,725,353	21,155,784	221,172,184
1935	381,294	63,295,000	310,505	24,840,000	412,184	36,272,000	3,609,283	126,324,900	45,824,454	33,008,201	283,740,101
1936	611,410	112,499,000	387,698	35,668,000	491,803	49,180,000	4,357,394	152,508,800	63,812,176	49,422,530	399,278,330
1937	834,661	201,988,000	443,142	52,291,000	551,165	71,651,000	4,804,540	168,158,900	71,941,794	55,646,978	549,735,878
1938	562,328	110,216,000	331,964	30,541,000	436,007	41,857,000	5,089,811	178,143,400	62,665,335	40,510,924	401,268,324
1939	712,675	148,236,000	420,967	39,571,000	491,058	51,070,000	5,611,171	196,391,000	65,119,513	44,202,279	479,470,279
1940	909,084	205,453,000	433,065	43,307,000	589,988	74,338,000	6,003,105	210,108,700	59,585,734	49,483,189	582,689,889
1941	966,072	227,993,000	470,517	53,639,000	652,599	97,890,000	5,976,419	209,174,600	72,336,029	51,438,954	640,135,554
1942	1,087,991	256,766,000	467,367	58,888,000	629,957	109,613,000	3,741,806	130,963,210	56,090,855	39,886,830	596,117,040
1943	1,092,939	257,934,000	406,544	52,038,000	594,250	102,211,000	1,394,522	48,808,270	40,900,121	29,084,530	490,075,800
1944	1,003,379	236,797,000	394,443	50,489,000	574,453	98,806,000	1,022,238	35,778,330	35,651,049	25,351,855	447,222,185
1945	782,726	184,723,000	356,535	45,636,000	467,084	80,338,000	928,893	32,511,255	29,063,255	20,667,205	363,875,460
1946	599,656	172,701,000	293,309	49,276,000	459,205	81,738,000	1,462,354	51,182,390	21,103,269	19,099,524	373,996,914
1947	847,551	355,971,420	383,957	110,579,616	637,583	153,112,356	1,829,197	64,021,895	35,757,413	32,360,459	716,045,746
1948	834,797	362,302,000	390,147	139,673,000	629,955	167,974,000	1,765,862	61,805,000	38,029,000	34,418,000	766,172,000
1949	752,746	296,581,924	409,857	129,514,812	593,201	148,912,878	1,762,367	61,682,845	34,638,896	31,349,949	668,042,408
1950	909,337	378,284,192	430,678	116,283,060	623,369	178,667,197	2,104,959	73,673,565	42,406,376	38,379,912	785,287,926
1951	928,329	449,311,235	388,143	134,297,478	681,188	249,330,389	1,741,026	60,935,910	39,733,909	35,961,195	929,836,207
1952	925,359	447,873,756	390,161	125,631,842	666,001	222,981,864	1,652,704	57,844,640	39,419,344	35,676,497	890,008,609
1953	926,448	531,781,152	342,644	89,773,000	547,430	125,320,890	1,958,293	68,540,000	37,576,838	34,004,000	849,419,042
1954	835,472	492,929,000	325,419	89,164,759	473,471	102,179,867	1,837,310	64,306,000	36,941,383	33,434,000	782,013,626
1955	998,570	744,933,000	338,025	100,731,000	514,671	126,609,000	1,880,142	65,805,000	37,197,742	33,666,000	1,071,744,000
1956	1,104,156	938,532,000	352,826	110,787,000	542,340	148,503,000	1,827,159	63,950,000	38,722,000	35,044,000	1,296,816,000
1957	1,086,859	654,289,000	338,216	96,730,000	531,735	123,235,000	1,793,597	62,776,000	38,165,000	34,541,000	971,571,000
1958	979,329	515,127,000	267,377	62,566,000	412,005	84,113,000	1,739,249	60,874,000	34,111,000	30,872,000	753,552,000
1959	824,846	506,455,000	255,586	58,786,000	425,303	97,787,000	1,602,931	56,103,000	31,194,000	28,233,000	747,364,000
1960	1,080,169	693,468,000	246,669	57,722,000	435,427	112,365,000	1,666,772	58,336,000	30,766,000	27,846,000	949,737,000
1961	1,165,155	699,093,000	261,921	53,956,000	464,390	106,848,000	1,548,270	54,189,000	34,794,000	32,166,000	946,252,000
1962	1,228,421	756,707,000	236,956	43,602,000	505,491	116,413,000	1,542,511	53,990,000	36,798,000	39,929,000	1,010,641,000
1963	1,213,166	747,310,000	253,369	54,727,000	529,254	122,533,000	1,454,010	50,889,000	35,243,000	45,076,000	1,020,535,000

Table 1. U. S. production of five major nonferrous metals, 1880-1973—continued

Year	Copper		Lead		Zinc		Gold		Silver		Total value
	Tons	Value	Tons	Value	Tons	Value	Ounces	Value	Ounces	Value	
1964	1,246,780	812,901,000	286,010	74,935,000	574,858	156,308,000	1,456,308	50,971,000	36,334,000	46,980,000	1,142,095,000
1965	1,351,734	957,028,000	301,147	93,959,000	611,153	178,284,000	1,705,190	59,682,000	39,806,000	51,469,000	1,340,422,000
1966	1,429,152	1,033,850,000	327,368	98,964,000	572,558	166,044,000	1,803,420	63,119,000	43,669,000	56,463,000	1,418,440,000
1967	954,064	729,901,000	316,931	88,741,000	549,413	151,562,000	1,584,187	55,447,000	32,345,000	50,135,000	1,075,286,000
1968	1,204,621	1,008,195,000	359,156	94,903,000	529,446	142,950,000	1,478,292	58,038,000	32,729,000	70,191,000	1,374,277,000
1969	1,544,579	1,468,400,000	509,013	151,635,000	553,124	161,512,000	1,733,176	71,944,000	41,906,311	75,040,000	1,928,531,000
1970	1,719,657	1,984,484,000	571,767	178,609,000	534,136	163,650,000	1,743,322	63,439,000	45,005,605	79,696,000	2,469,878,000
1971	1,522,183	1,583,071,000	578,550	159,679,000	502,543	161,820,000	1,495,108	61,673,000	41,564,000	64,258,000	2,030,501,000
1972 ²	1,642,764	—	618,915	—	478,318	—	1,428,156	—	37,391,124	—	—
1973 ²	1,726,934	—	600,257	—	475,853	—	1,165,858	—	37,232,773	—	—

Source: USBM Minerals Yearbooks.

¹ Figures prior to 1915 from revisions printed in the 1915 volume of Mineral Resources of the United States.² Preliminary figures.

Table 2. U. S. mine production of copper, lead, and zinc, 1957-1973, monthly
[reported in short tons¹]

Year	January	February	March	April	May	June	July	August	September	October	November	December
Copper												
1957	92,294	90,411	95,369	94,561	93,228	90,469	84,969	87,113	87,120	89,132	90,089	90,386
1958	88,659	82,272	87,323	84,457	78,688	68,264	60,672	66,163	82,053	91,097	94,366	95,315
1959	95,804	86,787	96,868	99,496	100,500	93,307	86,753	54,729	26,879	28,943	25,291	29,489
1960	47,572	75,211	96,339	97,559	98,370	95,210	86,309	90,898	97,478	100,399	98,074	96,759
1961	97,674	88,712	100,796	91,314	102,826	99,331	89,941	84,028	98,265	104,620	104,398	103,250
1962	103,789	101,296	109,478	109,406	113,782	102,725	91,411	93,702	90,098	106,150	104,955	101,629
1963	102,358	94,594	105,255	105,402	105,162	93,094	86,243	96,938	99,291	109,935	106,349	108,545
1964	107,167	107,294	111,932	211,678	115,267	113,639	73,754	77,502	92,193	114,535	110,047	111,772
1965	115,496	106,826	121,742	116,920	118,882	116,621	105,625	109,170	107,894	114,626	110,101	107,831
1966	118,048	106,926	123,324	120,497	126,246	121,451	107,071	114,867	116,777	125,430	123,087	125,429
1967	122,498	117,887	132,977	131,996	130,444	121,911	66,536	33,001	24,893	23,675	24,323	23,923
1968	23,024	28,034	41,080	110,936	125,538	124,635	123,559	127,903	121,322	129,833	124,018	124,739
1969	120,945	118,593	132,415	135,639	128,603	129,274	123,153	125,174	127,732	140,558	140,010	140,597
1970	139,919	131,830	144,288	141,745	152,072	148,451	137,020	144,613	139,467	148,615	138,715	139,115
1971	137,763	129,599	143,052	141,258	145,365	150,402	49,155	104,533	113,390	136,281	137,591	136,862
1972	130,166	138,906	147,358	140,614	144,683	137,666	115,133	136,709	138,239	140,557	135,293	137,440
1973	137,276	135,685	151,881	150,438	152,143	147,543	130,463	142,637	140,883	154,307	141,814	141,864
Lead												
1957	30,218	29,061	30,962	31,700	30,104	27,366	27,306	27,806	25,006	28,663	24,042	25,982
1958	26,123	23,827	18,440	25,896	24,528	22,961	21,142	19,592	19,570	21,200	21,382	22,716
1959	23,626	21,449	21,156	21,432	20,375	21,634	19,657	21,922	20,719	21,208	20,279	22,129
1960	21,423	22,776	25,690	24,105	20,871	19,686	16,413	19,857	18,268	18,339	19,089	20,152
1961	23,305	20,948	24,681	22,098	22,867	23,070	19,595	23,011	20,822	21,327	20,405	19,792
1962	22,726	21,994	23,675	23,943	24,984	23,955	21,279	16,641	13,932	15,092	14,284	14,551
1963	15,476	13,180	14,772	20,786	24,083	22,322	23,599	24,470	22,511	25,241	22,999	23,930
1964	24,907	22,799	24,454	24,054	23,547	24,037	23,445	23,620	22,937	23,775	23,388	25,047
1965	24,053	23,322	26,529	26,776	22,065	23,802	22,692	25,575	25,865	26,028	25,821	29,219
1966	26,206	24,734	30,650	26,945	27,399	26,453	25,465	28,547	27,811	28,521	27,154	27,483
1967	25,622	25,428	30,065	29,368	32,051	28,032	24,383	24,730	22,839	25,366	24,225	24,822
1968	24,493	24,282	24,083	27,440	31,052	28,965	30,861	33,163	31,119	36,567	33,188	33,943
1969	37,078	35,215	39,115	42,601	44,191	45,496	44,693	45,498	43,534	41,690	41,342	41,408
1970	47,757	46,929	52,437	49,729	51,295	47,399	46,342	48,045	48,557	46,540	48,455	45,260
1971	45,269	41,863	52,739	47,130	45,550	45,684	45,190	48,105	48,865	48,409	48,853	55,610
1972	48,847	53,318	55,679	52,223	54,174	51,167	52,548	56,908	50,636	51,720	46,116	45,025
1973	62,924	64,090	64,120	55,449	61,379	67,006	51,938	69,826	64,553	64,263	63,338	56,653
Zinc												
1957	50,406	46,344	51,040	52,367	47,791	46,154	43,345	43,090	35,514	39,746	36,043	39,895
1958	39,020	34,693	36,602	40,232	36,208	33,690	29,197	29,856	30,694	32,738	33,290	35,785
1959	35,830	36,441	37,428	38,701	38,742	36,921	32,308	31,728	30,025	31,608	36,025	39,538
1960	37,350	38,130	42,821	41,774	40,830	39,240	37,254	34,451	30,734	28,101	28,014	36,728
1961	40,227	38,676	43,007	38,989	39,464	39,643	35,027	40,431	37,380	38,939	36,011	36,596
1962	38,092	36,927	42,929	42,160	43,824	42,551	38,256	44,616	42,202	47,621	44,280	42,033
1963	43,776	41,580	44,819	44,882	45,543	42,632	40,925	45,120	41,439	47,098	45,340	46,094
1964	48,548	44,459	47,774	46,387	46,285	45,199	48,149	48,736	46,259	52,447	48,668	51,956
1965	50,063	48,860	54,887	53,186	48,698	51,694	48,166	50,780	51,466	51,673	51,574	50,106
1966	49,132	48,764	53,943	50,014	51,650	47,928	45,854	49,771	45,490	44,066	43,940	42,906
1967	43,173	43,501	50,817	49,528	50,493	47,967	44,700	48,821	43,283	43,779	41,814	41,537
1968	42,894	41,985	41,667	43,723	45,297	44,664	42,986	46,679	45,081	47,038	44,178	43,254
1969	41,865	42,701	44,535	47,357	47,295	46,409	45,054	46,538	46,542	46,523	44,594	44,718
1970	45,176	45,807	48,799	48,254	45,582	46,372	46,972	46,395	43,478	43,185	43,357	43,395
1971	41,631	40,678	43,681	41,450	43,777	43,485	38,007	41,246	38,227	40,086	40,785	39,287
1972	37,839	39,845	45,639	41,475	43,723	41,776	37,323	41,332	38,774	40,659	38,922	33,910
1973	40,807	36,459	39,288	36,877	40,086	36,819	40,044	40,886	42,824	42,825	40,772	38,169

Source: USBM monthly Mineral Industry Surveys, and USBM Minerals Yearbooks.

¹ Includes total (actual) refined and estimates for chemical plants, foundries, and miscellaneous plants.

Table 3. Production of recoverable copper, by state
[reported in short tons¹]

State	1973 January- December
Arizona	931,128
California	376
Colorado	3,216
Idaho	2,639
Maine	1,105
Michigan	72,129
Missouri	9,582
Montana	133,006
Nevada	95,912
New Mexico	207,987
Pennsylvania	1,395
Tennessee	8,501
Utah	257,860
Other States	2,098
Total	1,726,934
Daily average ²	4,731

Source: USBM monthly Mineral Industry Surveys, and USBM preliminary reports.

¹Preliminary figures.

²Based on number of days in month without adjustment for Sundays or holidays.

Table 4. U. S. smelter production
[reported in short tons¹]

Period	Primary		Secondary	Total
	Domestic	Foreign		
1973	1,705,065	38,898	77,815	1,821,778

Source: USBM monthly Mineral Industry Surveys, and USBM preliminary reports.

¹Preliminary figures.

Table 5. U. S. consumption of copper, lead, and zinc, reported in short tons, 1900-1972
[method of reporting was changed in 1950]

Year	Copper		Lead		Zinc	
	New, refined	New and old	New, refined	New and old	New, refined	New and old slab
1900	178,446		269,320		99,399	
1901	191,381		271,934		145,087	
1902	275,844		332,484		157,375	
1903	263,205		300,167		150,421	
1904	241,095		319,543		191,000	
1905	290,503		347,015		205,973	
1906	338,717		376,300		220,781	
1907	243,886		360,715		226,969	
1908	239,978		318,555		214,167	
1909	344,283		368,664		270,730	
1910	366,203		379,190		245,884	
1911	340,877		384,759		280,059	
1912	387,989		388,102		340,341	
1913	406,134		419,487		295,370	
1914	310,223		452,512		299,983	
1915	521,749		419,560		364,855	
1916	714,878		460,703		459,317	
1917	697,415		515,535		413,643	
1918	830,835		542,975		423,792	
1919	457,236		434,143		323,964	
1920	526,919		538,020	604,800	323,043	424,200
1921	305,495		444,872	520,550	203,600	262,500
1922	448,317		492,705	683,150	373,090	435,900
1923	650,237		573,543	768,000	446,514	515,000
1924	677,371		602,947	812,150	448,257	512,000
1925	700,506		655,655	856,500	500,097	579,100
1926	785,068		717,653	900,900	557,026	622,300
1927	711,480		662,973	840,950	516,373	583,100
1928	804,269		657,565	930,600	578,060	626,500
1929	889,293	1,159,800	692,765	972,300	568,525	634,300
1930	632,508	956,150	582,774	768,600	408,469	450,900
1931	451,033	650,000	410,606	567,700	312,592	370,000
1932	259,602	368,000	257,669	416,200	213,280	259,000
1933	339,350	415,000	240,950	452,700	325,632	350,300
1934	322,638	463,000	305,610	488,000	345,914	359,900
1935	441,371	574,700	318,900	538,900	457,705	473,000
1936	656,179	749,000	383,433	633,550	538,794	582,000
1937	694,906	860,000	449,464	678,700	570,219	606,000
1938	406,994	608,000	339,708	546,000	375,004	421,000
1939	714,873	801,000	415,031	667,000	607,464	626,000
1940	1,008,785	1,070,000	633,989	782,000	677,168	733,057
1941	1,641,550	1,065,000	812,863	812,641	762,265	827,435
1942	1,608,000		669,840	607,111	730,938	728,169
1943	1,502,000		777,661	675,465	806,265	816,777
1944	1,504,000		775,095	722,820	845,008	888,626
1945	1,415,000	1,379,272	670,122	637,499	826,627	852,311
1946	1,391,000	1,187,009		530,588	812,746	811,242
1947	1,286,000	1,463,294		660,657		786,360
1948	1,214,000	1,420,584		1,133,895		817,735
1949	1,072,000	1,129,686		957,674		711,841

Table 5. U. S. consumption of copper, lead, and zinc, reported in short tons, 1900-1972—continued

Year	Copper			Lead, new and old	Zinc	
	New, refined	New and old	Total, incl. scrap		Total, incl. scrap	New and old slab
1950	1,447,000	1,424,434	1,932,000	1,237,981		967,134
1951	1,304,000	1,416,865	1,762,000	1,184,793		933,971
1952	1,360,000	1,479,732	1,775,000	1,130,795		852,783
1953	1,435,000	1,494,215	1,864,000	1,201,604		985,927
1954	1,235,000	1,254,729	1,642,000	1,094,871		884,299
1955	1,335,000	1,502,004	1,851,000	1,212,644		1,119,812
1956	1,367,000	1,521,389	1,835,000	1,209,717		1,008,790
1957	1,239,000	1,352,124	1,683,000	1,138,115		935,620
1958	1,157,000	1,250,677	1,568,000	986,387	1,142,165	868,327
1959	1,183,000	1,463,031	1,654,000	1,091,149	1,278,376	956,197
1960	1,148,000	1,349,896	1,577,000	1,021,172	1,158,938	877,884
1961	1,237,000	1,462,830	1,648,000	1,027,216	1,207,469	931,213
1962	1,352,000	1,599,676	1,768,000	1,109,635	1,333,311	1,031,821
1963	1,423,000	1,744,273	1,845,000	1,163,358	1,414,216	1,105,113
1964	1,495,000	1,825,281	1,969,000	1,202,138	1,535,751	1,207,268
1965	1,526,000	2,004,623	2,039,000	1,241,483	1,742,067	1,354,092
1966	1,593,000	2,359,934	2,128,000	1,323,871	1,806,543	1,410,197
1967	1,320,000	1,935,592	1,803,000	1,260,516	1,591,997	1,236,808
1968	1,576,000	1,803,000	2,097,000	1,328,790	1,728,400	1,333,699
1969	1,683,000	2,142,218	2,258,000	1,389,358	1,797,110	1,368,323
1970	1,585,000	2,043,303	2,089,000	1,360,552	1,571,596	1,164,622
1971	1,623,000	2,019,507	2,068,000	1,431,514	1,650,585	1,259,043
1972 ¹	1,689,000	2,220,056				
1973 ¹	1,813,900					

Source: USBM Minerals Yearbooks.

¹ Preliminary figures.Table 6. U. S. consumption of copper, lead, and zinc, monthly
[reported in short tons]

Year	January	February	March	April	May	June	July	August	September	October	November	December
Copper (domestic) ¹												
1953	120,900	115,000	132,700	138,700	137,900	143,600	101,700	103,800	108,500	123,400	96,200	113,000
1954	78,300	86,100	95,000	99,300	143,700	135,400	111,400	101,000	91,400	84,000	98,800	113,000
1955	111,000	101,200	111,100	109,400	115,400	119,900	45,100	90,000	128,900	134,900	129,600	137,400
1956	120,800	129,900	119,800	130,000	125,500	123,000	92,500	104,000	104,300	113,000	113,200	91,000
1957	117,800	81,300	106,600	109,500	115,000	86,000	84,800	103,700	105,200	118,800	111,400	99,000
1958	109,000	93,000	82,900	86,800	71,600	105,400	84,200	79,900	109,300	107,000	127,600	98,900
1959	105,400	105,800	119,000	118,800	126,000	149,100	110,400					
1960	87,100	99,800	124,100	118,600	95,200	98,400	77,000	85,200	101,900	77,300	96,000	87,400
1961	82,700	80,700	98,200	104,700	113,000	120,000	99,500	171,000	106,500	123,500	109,100	85,100
1962	114,200	112,200	130,500	108,400	119,000	124,300	92,200	208,400				
1963	119,800	106,000	120,600	120,100	127,000	117,500	119,000	126,900	104,500	125,100	123,400	112,100
1964	130,000	130,100	128,000	132,700	134,100	152,500	106,700	105,500	102,000	119,700	121,700	130,000
1965	117,200	124,200	130,200	126,400	119,000	141,900	121,900	128,800	122,400	132,600	125,700	135,700
1966	102,900	123,900	125,400	120,200	136,800	131,100	115,700	118,300	140,700	144,200	157,300	174,300
1967	148,000	147,500	142,100	137,100	160,860	155,600	89,400	61,900	54,600	84,000	74,000	65,000
1968	94,000	90,000	102,000	158,000	146,000	140,000	138,000	149,000	126,000	158,000	132,000	148,000
1969	149,000	124,000	144,000	150,000	152,000	143,000	120,000	125,000	126,000	151,000	143,000	155,000
1970	137,000	129,000	144,000	131,000	139,000	137,000	142,000	129,000	136,000	129,000	101,000	124,000
1971	132,000	138,000	162,000	191,000	158,000	183,000	49,000	91,000	106,000	129,000	156,000	129,000
1972	127,000	135,000	162,000	162,000	158,000	175,000	128,000	149,000	—	164,000	176,000	153,000
1973 ⁵	171,000	150,000	185,000	151,900	162,000	128,000	130,000	132,000	132,000	160,000	168,000	144,000
Copper (industrial) ³												
1953	138,378	126,798	133,178	142,070	147,077	140,331	90,831	118,281	114,096	111,451	96,194	105,889
1954	97,044	90,748	106,032	107,105	104,896	110,513	73,596	108,992	105,723	105,940	116,886	123,923

Table 6. U. S. consumption of copper, lead, and zinc, monthly—continued

Year	January	February	March	April	May	June	July	August	September	October	November	December
Copper (industrial) ³												
1955	122,373	117,297	133,586	129,485	131,270	137,913	69,893	93,553	133,572	144,093	145,647	151,347
1956	146,009	138,997	146,717	145,127	144,123	126,323	80,177	122,966	114,361	126,626	113,186	109,436
1957	117,687	112,071	114,147	122,234	120,369	113,772	81,531	115,229	108,379	126,064	107,547	100,981
1958	103,140	92,009	92,944	91,362	84,669	106,444	76,678	115,116	113,688	135,585	120,293	124,693
1959	122,392	123,030	135,827	143,268	135,168	139,228	84,664	113,263	125,327	116,996	101,778	104,796
1960	109,756	118,861	135,197	111,894	112,912	117,939	70,823	117,703	120,986	112,129	107,725	104,907
1961	98,301	98,637	119,297	110,493	134,641	141,838	80,277	137,852	132,978	132,471	133,821	111,581
1962	129,504	120,376	145,302	133,828	137,836	136,534	93,096	132,441	129,631	141,930	135,217	120,992
1963	143,301	138,952	149,931	143,928	156,031	148,075	106,272	141,374	139,119	160,006	144,840	135,305
1964	147,644	148,942	157,888	160,069	159,393	172,001	114,154	143,827	147,771	154,788	145,824	156,444
1965	162,278	163,079	173,887	158,111	156,694	179,568	120,561	173,306	177,466	173,911	162,474	172,780
1966	188,307	193,320	213,814	199,157	186,775	209,174	128,222	203,604	208,307	209,391	208,274	—
1967	203,966	195,141	214,684	184,858	189,882	193,374	99,614	138,824	131,419	131,625	118,592	119,113
1968	108,091	94,850	105,452	162,692	172,760	194,992	130,238	170,950	187,108	203,921	179,361	161,238
1969	178,703	173,258	180,122	185,663	180,825	191,769	137,536	164,408	177,460	192,364	179,650	179,311
1970	168,795	185,610	199,866	184,519	186,844	179,365	122,680	165,974	175,317	162,372	150,598	148,593
1971	148,735	165,792	186,931	191,410	205,439	200,071	106,769	153,568	150,131	172,701	165,601	153,839
1972	160,891	173,899	187,863	198,834	197,213	202,654	131,120	180,621	190,248	210,433	192,116	194,164
1973 ⁵	200,246	213,821	221,700	216,837	229,521	204,813	142,988	195,896	173,863	211,759	203,179	186,715
Lead (new and old) ³												
1948	97,451	92,451	102,601	95,094	86,203	89,847	75,726	96,102	94,638	106,106	98,935	98,741
1949	91,769	78,186	71,076	62,753	70,272	73,206	75,605	101,104	93,718	87,475	79,053	73,457
1950	83,671	78,491	88,939	84,673	100,000	103,443	95,686	127,317	121,782	126,599	116,304	110,456
1951	126,022	101,603	120,826	118,372	102,524	94,458	81,427	97,622	78,999	88,527	88,106	86,307
1952	97,503	92,527	88,664	83,719	82,714	87,679	85,568	105,729	107,728	108,841	96,509	93,614
1953	96,377	92,121	103,336	104,816	101,282	108,534	99,496	109,943	105,565	104,716	89,944	85,474
1954	90,815	83,345	93,323	93,844	91,804	96,027	81,945	96,763	95,348	91,002	90,433	90,222
1955	93,301	86,290	99,677	96,700	101,029	103,451	84,394	107,158	112,091	115,289	108,649	104,615
1956	110,562	100,201	97,755	97,836	104,418	100,571	88,325	107,711	96,576	112,179	102,408	91,175
1957	102,952	95,788	98,822	96,189	96,443	92,100	85,569	103,442	95,790	105,337	86,385	79,298
1958	82,385	72,096	77,723	79,969	76,214	81,131	80,635	84,456	90,222	92,611	84,367	84,578
1959	89,122	85,124	85,431	91,564	96,443	96,285	90,648	92,601	95,162	97,698	84,903	86,168
1960	86,781	84,563	91,055	83,011	90,321	87,197	75,444	90,069	86,640	85,806	83,022	77,263
1961	83,579	79,586	83,266	78,201	89,679	86,520	72,312	91,150	89,735	93,504	90,020	89,664
1962	98,828	88,415	91,040	86,659	94,685	89,988	79,567	96,393	91,122	105,145	96,293	91,500
1963	100,789	96,023	92,606	95,340	98,264	94,024	85,648	93,833	94,587	111,149	101,723	99,372
1964	107,603	94,425	92,844	98,981	98,786	102,448	91,438	99,676	101,765	105,571	101,985	106,616
1965	104,881	100,024	104,102	100,743	100,762	104,363	90,836	101,417	107,198	113,162	110,509	103,395
1966	103,300	99,300	112,500	104,600	111,600	108,200	92,400	111,800	109,600	116,700	117,000	113,100
1967	106,600	97,300	110,900	104,900	108,800	103,800	85,400	102,600	100,900	109,800	104,500	104,600
1968	108,800	105,100	106,200	107,100	112,100	104,800	93,300	110,100	113,500	130,600	115,400	112,100
1969	115,000	104,800	116,500	114,400	115,900	114,600	100,500	111,700	122,500	130,500	112,100	116,700
1970	116,100	109,000	118,900	115,900	115,900	114,000	99,900	108,800	111,800	113,500	102,300	113,200
1971	113,600	109,636	119,500	117,400	116,200	115,900	94,800	119,500	127,700	125,000	118,900	114,400
1972	115,751	116,874	128,475	116,792	125,549	123,655	91,332	123,966	123,465	127,966	127,102	116,164
1973 ⁵	128,943	126,917	135,975	126,193	125,012	129,362	107,586	137,299	131,362	140,425	136,682	124,484
Zinc (old and new)												
1953	89,103	84,098	94,452	91,544	88,426	85,859	73,031	79,100	76,134	78,071	67,545	70,273
1954	66,144	64,478	73,939	72,005	70,692	74,665	63,314	73,529	73,616	79,545	82,461	81,742
1955	85,119	80,602	96,388	91,312	94,913	92,739	70,589	87,687	91,849	97,940	98,275	97,255
1956	96,406	89,762	91,782	87,222	81,876	72,815	46,548	77,155	80,258	94,777	87,224	82,272
1957	90,490	80,752	78,384	77,489	75,909	73,464	65,123	74,562	75,976	87,898	76,595	67,421
1958	69,295	60,437	59,978	58,432	61,907	68,590	60,007	70,033	75,022	82,819	75,202	78,982
1959	79,506	77,010	87,394	90,145	88,093	95,985	65,429	60,451	62,545	66,857	71,099	89,286

Table 6. U. S. consumption of copper, lead, and zinc, monthly—continued

Year	January	February	March	April	May	June	July	August	September	October	November	December
Zinc (old and new)												
1960	88,122	87,365	86,515	71,164	70,545	73,883	55,237	68,513	67,023	67,827	62,718	62,213
1961	63,783	60,609	64,337	69,556	80,558	80,388	69,520	84,712	83,305	89,348	83,511	79,289
1962	91,452	85,220	93,029	86,374	91,106	87,600	80,342	79,389	83,346	89,414	86,060	81,495
1963	84,782	81,321	86,415	93,408	99,200	91,093	85,396	92,509	90,610	99,323	88,497	88,540
1964	91,699	86,915	95,196	99,984	98,348	99,486	94,683	100,863	108,599	109,595	100,423	102,789
1965	106,927	104,263	118,654	109,832	113,331	115,517	96,912	113,945	116,961	117,776	116,514	113,170
1966	112,477	116,070	127,023	119,054	123,492	118,609	97,799	123,011	117,717	122,144	119,850	110,091
1967	107,764	104,798	105,791	97,284	100,434	99,848	83,662	102,918	99,495	108,640	106,462	100,733
1968	112,171	103,986	108,245	110,715	120,738	115,187	104,719	104,727	108,828	133,190	116,709	108,893
1969	119,081	113,780	126,754	117,756	117,816	115,807	102,684	110,836	116,033	121,987	103,028	97,325
1970	97,420	94,561	99,961	99,367	99,145	102,199	90,937	100,407	100,491	97,826	88,751	93,557
1971	96,448	99,331	111,511	116,687	115,599	110,586	95,262	97,537	101,152	104,629	100,536	105,839
1972	106,597	113,410	125,991	122,091	128,321	121,725	97,884	125,449	121,788	128,968	123,585	112,823
1973 ⁴	129,637	123,738	134,690	128,339	134,050	122,316	111,412	124,098	121,922	135,228	117,993	105,514

Source: USBM monthly Mineral Industry Surveys and USBM Minerals Yearbooks.

¹ Includes primary refined; apparent consumption.² Not available.³ Includes primary mine.⁴ Preliminary figures.

Table 7. U. S. general copper imports, unmanufactured, 1901-1973
[reported in short tons¹]

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1901		36,913			
1902		51,565			
1903		68,354			
1904	19,474	71,172	90,646		
1905	25,053	80,310	105,363		
1906	24,642	88,279	112,921		
1907	29,859	96,451	126,310		
1908	28,241	81,112	109,353		
1909	40,544	120,357	160,901		
1910	42,612	129,605	172,217		
1911	34,313	132,990	167,303		
1912	52,436	152,685	205,121		
1913	54,355	150,034	204,389		
1914	52,401	100,775	153,176		
1915	57,166	100,684	157,850		
1916	87,394	143,774	231,168		
1917	87,874	190,337	278,211		
1918	78,608	209,294	287,902		
1919	63,228	151,466	214,694		
1920	58,219	184,617	242,836		
1921	51,400	123,836	175,236		
1922	56,419	214,087	270,506		
1923	71,527	266,710	338,237		
1924	73,978	310,428	384,406		
1925	81,664	244,801	326,465		
1926	76,797	312,923	389,720		
1927	84,457	274,702	354,159		
1928	74,152	319,384	393,536		
1929	90,226	396,940	487,166		
1930	81,447	323,340	404,787	3,790 ⁵	408,577
1931	62,229	228,150	290,379	2,567	292,946
1932	29,970	164,741	194,711	1,285	195,996
1933	26,364	119,091	145,455	130	195,585
1934	31,410	181,651	213,061	225	213,286
1935	40,591	216,046	256,637	545	257,182
1936	45,812	142,918	188,730	1,609	190,339
1937	73,161	203,372	276,533	3,342	279,875
1938	72,252	178,599	250,851	1,313	252,164
1939	71,157	261,394	332,551	3,746	336,297
1940	142,982	346,549	489,531	1,811	491,342
1941	129,059	604,200	733,259	2,286	735,545
1942	139,783	617,111	756,894	1,080	757,974
1943	125,125	589,142	714,267	2,387	716,654
1944	116,481	667,819	784,300	1,066	785,366
1945	77,352	774,468	851,820	1,376	855,196
1946	45,577	346,592	392,169	1,106	393,275
1947	91,081	316,860	407,941	5,953	413,894
1948	93,155	404,960	498,115	9,334	507,449
1949	117,721	428,187	545,908	6,801	552,709
1950	110,001	541,585	651,586	38,803	690,389
1951	102,677	380,894	483,571	5,564	489,135
1952	105,241	509,153	614,394	4,486	618,880
1953	120,590	547,721	668,311	7,793	676,104
1954	118,576	471,570	590,146	4,683	594,829
1955	125,527	456,005	581,532	12,568	594,100
1956	122,174	467,830	590,004	5,743	595,747
1957	124,789	463,445	588,234	5,798	594,032
1958	92,595	396,646	489,241	7,060	496,301

Table 7. U. S. general copper imports, unmanufactured, 1901-1973—continued

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1959	81,590	483,106	564,696	6,195	570,891
1960	80,567	441,082	521,649	2,695	524,344
1961	47,394	406,044	453,438	4,231	457,669
1962	43,552	430,506	474,058	4,793	478,851
1963	48,408	488,119	536,527	2,869	539,396
1964	52,038	529,553	581,591	4,473	586,064
1965	36,933	470,003	506,936	16,205	523,141
1966	41,571	512,890	554,461	29,046	583,507
1967	32,891	599,749	632,640	16,301	648,941
1968	27,050	671,505	698,555	11,420	709,975
1969	38,724	369,444	408,168	5,889	414,057
1970	32,741	357,659	390,400	2,080	392,480
1971	30,848	321,172	352,020	7,459	359,479
1972	53,653	351,177	404,830	10,788	415,618
1973 ⁶	42,134	356,358	398,492	18,936	417,428

Source: USBM monthly Mineral Industry Surveys and USBM Minerals Yearbooks.

¹ General imports include copper imported for immediate consumption plus material entering the country under bond.² Includes ore, concentrates, and regulus.³ Includes pigs, bars, ingots, etc.⁴ Includes scale, clippings, scraps, etc.⁵ Recycled metal included in refined category before 1930.⁶ Preliminary figures.Table 8. U. S. copper imports for consumption, 1944-1971
[reported in short tons]

Year	Raw ¹	Refined ²	Total, raw and refined	Recycled ³	Total
1944-48 average	54,827	485,029	539,856	3,945	543,801
1949	123,957	429,370	553,327	6,765	560,092
1950	89,029	442,607	531,636	34,242	565,878
1951	80,247	372,219	452,466	6,792	459,258
1952	104,254	520,763	625,017	5,125	630,142
1953	108,555	553,353	661,908	7,827	669,735
1954	125,943	472,511	598,454	4,752	603,206
1955	118,907	456,005	574,912	12,577	587,489
1956	85,938	467,897	553,835	5,410	559,245
1957	88,673	463,445	552,118	5,843	557,961
1958	95,722	263,262	358,984	5,849	364,833
1959	16,472	237,507	253,979	2,984	256,963
1960	24,623	171,507	196,130	1,836	197,966
1961	24,596	93,135	117,731	1,643	119,374
1962	2,344	131,316	133,660	3,846	137,506
1963	9,246	143,978	153,224	1,219	154,443
1964	33,121	234,383	267,504	1,372	268,876
1965	1,524	178,391	179,915	7,203	187,118
1966	6,960	415,738	422,698	23,908	446,606
1967	35,675	603,018	638,693	16,717	655,410
1968	71,884	677,810	749,694	11,571	761,265
1969	3,588	372,883	376,471	5,692	382,163
1970	64,540	356,679	421,219	2,308	423,527
1971	5,547	317,732	323,279	7,459	330,738
1972 ⁴					
1973 ⁴					

Source: USBM Minerals Yearbooks.

¹ Includes ore, concentrates, and regulus.² Includes pigs, bars, ingots, etc.³ Includes scale, clippings, scraps, etc.⁴ Not available.

Table 9. U. S. copper imports for consumption, 1964-1973, monthly
[reported in short tons]

Month and total	Raw ¹	Refined ²	Total, raw and refined	Recycled ³	Total
1964					
January	4,687	41,016	45,703	120	45,823
February	2,982	32,302	35,284	73	35,357
March	6,806	52,930	59,736	177	59,913
April	1,174	40,609	41,783	226	42,009
May	2,626	47,691	50,317	171	50,488
June	6,583	41,138	47,721	202	47,923
July	1,686	46,090	47,776	85	47,861
August	2,119	43,178	45,297	174	45,471
September	6,004	44,837	50,841	659	51,500
October	11,611	40,518	52,129	213	52,342
November	728	35,431	36,159	84	36,243
December	5,032	61,598	66,630	3,070	69,700
Totals	52,038	527,338	579,376	5,254	584,630
Revised	52,038	529,553	581,591	4,473	586,064
1965					
January	6,982	18,506	25,488	618	26,106
February	2,290	42,236	44,526	810	45,336
March	3,258	31,273	34,531	1,280	35,811
April	1,294	61,696	62,990	2,598	65,588
May	881	28,251	29,132	1,861	30,993
June	3,595	53,160	56,755	1,584	58,339
July	3,138	26,375	29,513	347	29,860
August	4,997	30,958	35,955	677	36,632
September	2,295	35,636	37,931	964	38,895
October	2,120	51,775	53,895	1,206	55,101
November	4,590	56,990	61,580	1,910	63,490
December	1,497	33,109	34,606	1,489	36,095
Totals	36,937	469,965	506,902	15,344	522,246
Revised	36,933	470,003	506,936	16,205	523,141
1966					
January	3,223	30,695	33,918	1,095	35,013
February	4,697	35,743	40,440	551	40,991
March	1,816	41,009	42,825	2,114	44,939
April	4,551	35,937	40,488	2,341	42,829
May	1,378	45,122	46,500	3,838	50,338
June	1,125	29,030	30,155	3,150	33,305
July	6,432	44,986	51,418	2,446	53,864
August	1,918	36,919	38,837	2,381	41,218
September	2,965	48,929	51,891	2,099	53,990
October	1,681	50,607	52,288	2,973	55,261
November	9,229	61,495	70,724	4,149	74,873
December	5,154	48,320	53,474	3,372	56,846
Totals	44,169	508,789	552,958	30,509	583,467
Revised	41,571	512,890	554,461	29,046	583,507
1967					
January	3,883	37,139	41,022	2,647	43,669
February	1,111	55,281	56,392	1,691	58,083
March	5,969	35,832	41,801	2,374	44,175
April	2,284	42,273	44,557	1,357	45,914
May	2,471	51,859	54,330	3,218	57,548

Table 9. U. S. copper imports for consumption, 1964-1973, monthly—continued

Month and total	Raw ¹	Refined ²	Total, raw and refined	Recycled ³	Total
1967					
June	5,084	53,385	58,469	807	59,276
July	864	38,678	39,542	250	39,792
August	5,921	30,455	36,376	200	36,576
September		57,582	57,582	179	57,761
October	—	60,893	60,893	474	61,367
November	10	77,937	77,947	2,614	80,561
December	6,079	57,212	63,291	1,074	64,365
Totals	33,676	598,526	632,202	16,885	649,087
Revised	32,891	599,749	632,640	16,301	648,941
1968					
January	3,002	94,954	97,956	1,565	99,521
February	—	84,339	84,339	1,809	86,148
March	28	86,174	86,202	2,027	88,229
April	124	109,550	109,674	1,488	111,162
May	6,675	48,770	55,445	1,085	56,530
June	1,093	48,797	49,890	463	50,353
July	651	26,903	27,554	315	27,869
August	3,277	49,146	52,423	203	52,626
September	1,033	40,357	41,390	1,438	42,828
October	941	28,531	29,472	232	29,704
November	6,776	26,149	32,925	590	33,515
December	2,218	31,995	34,213	161	34,374
Totals	25,818	675,665	701,483	11,376	712,859
Revised	27,050	671,505	698,555	11,420	709,975
1969					
January	1,306	11,101	12,407	255	12,662
February	781	36,452	37,233	167	37,400
March	1,620	37,243	38,863	441	39,304
April	8,583	31,434	40,017	600	40,617
May	2,258	40,668	42,926	1,028	43,954
June	1,762	29,657	31,419	709	32,128
July	2,144	30,657	32,801	689	33,490
August	7,520	27,773	35,293	898	36,191
September	1,023	36,726	37,749	471	38,220
October	2,532	29,839	32,371	219	32,590
November	657	35,312	35,967	174	36,143
December	4	4	4	4	4
Totals	30,186	346,862	377,048	5,651	382,699
Revised	38,724	369,444	408,168	5,889	414,057
1970					
January	740	23,388	24,128	179	24,307
February	1,070	24,427	25,497	190	25,687
March	477	25,175	25,652	95	25,747
April	982	32,505	33,487	89	33,576
May	5,249	27,074	32,323	96	32,419
June	1,791	29,744	31,535	268	31,803
July	4,742	30,136	34,878	131	35,009
August	524	29,184	29,708	301	30,009
September	6,279	38,860	45,139	133	45,272
October	716	34,770	35,486	189	35,675
November	8,764	21,330	30,094	196	30,290
December	1,401	33,247	34,678	211	34,889
Totals	32,735	349,840	382,575	2,078	384,653
Revised	32,741	357,659	390,400	2,080	392,480

Table 9. U. S. copper imports for consumption, 1964-1973, monthly—continued

Month and total	Raw ¹	Refined ²	Total, raw and refined	Recycled ³	Total
1971					
January	940	25,932	26,872	189	27,061
February	7,187	25,136	32,323	235	32,558
March	688	24,651	25,339	507	25,846
April	1,392	23,818	25,210	398	25,608
May	785	19,850	20,635	750	21,385
June	8,619	25,187	33,806	906	34,712
July	1,535	25,864	27,399	744	28,143
August	156	35,384	35,540	821	36,361
September	947	39,209	40,156	584	40,740
October	880	18,967	19,847	954	20,801
November	1,535	15,206	16,741	748	17,489
December	6,592	41,544	48,136	587	48,723
Totals	31,256	320,748	352,004	7,423	359,427
Revised	30,848	321,172	352,020	7,459	359,479
1972					
January	947	26,517	27,464	955	28,419
February	1,325	22,864	24,189	1,186	25,375
March	7,248	29,789	37,037	1,206	38,243
April	6,716	21,365	28,081	1,025	29,106
May	8,726	23,391	32,117	655	32,772
June	3,252	31,454	34,706	689	35,395
July	7,033	36,593	43,626	826	44,452
August	1,530	33,058	34,588	410	34,998
September	5,968	28,887	34,855	958	35,813
October	2,185	38,753	40,938	1,344	42,282
November	6,851	39,070	45,921	886	46,807
December	1,872	19,436	21,308	648	21,956
Totals ⁵	53,653	351,177	404,830	10,788	415,618
Revised ⁴					
1973					
January	1,891	37,799	39,690	770	40,460
February	850	37,658	38,508	570	39,078
March	6,710	36,688	43,398	435	43,833
April	1,908	24,251	26,159	1,169	27,328
May	3,082	26,771	29,853	1,000	30,853
June	1,280	18,244	19,524	1,448	20,972
July	6,348	28,738	35,086	881	35,967
August	793	18,205	18,998	1,668	20,666
September	2,646	20,615	23,261	1,840	25,101
October	9,618	29,322	38,940	2,785	41,725
November	6,045	47,377	53,422	3,096	56,518
December	963	30,690	31,653	3,274	34,927
Totals ⁵	42,134	356,358	398,492	18,936	417,428
Revised ⁴					

Source: USBM monthly Mineral Industry Surveys and USBM Minerals Yearbooks.

¹ Includes ore, concentrates, and regulus.² Includes pigs, bars, ingots, etc.³ Includes scale, clippings, scraps, etc.⁴ Not available.⁵ Preliminary figures.

Table 10. U. S. general lead imports, 1900-1973
[reported in short tons]

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1900			114,397		
1901			112,471		
1902			107,616		
1903			106,407		
1904			112,852		
1905			98,378		
1906			84,134		
1907	32,408	46,575	78,983		
1908	32,354	78,039	110,393		
1909	35,679	76,866	112,545		
1910	47,376	61,227	109,103		
1911	17,843	72,109	89,952		
1912	9,789	73,772	83,561		
1913	9,942	47,205	57,147		
1914	11,825	16,514	28,339		
1915	9,093	42,403	51,496		
1916	17,543	17,787	35,330		
1917	20,646	57,625	78,271		
1918	18,535	80,072	98,607		
1919	9,787	61,120	70,907		
1920	14,744	83,770	98,514		
1921	7,117	67,168	74,285		
1922	12,237	65,588	77,825		
1923	35,441	101,848	135,289		
1924	47,660	89,998	117,658		
1925	44,481	77,648	122,129		
1926	58,116	89,438	147,554		
1927	40,638	120,751	161,389		
1928	25,915	129,129	155,044		
1929	31,331	84,729	116,060		
1930	39,377	38,840	78,217		
1931	20,888	32,330	53,218		
1932	21,001	13,506	34,507		
1933	5,958	1,650	7,608		
1934	10,611	2,733	13,344		
1935	20,025	4,014	24,039		
1936	20,713	2,902	23,615		
1937	34,103	6,703	40,806		
1938	45,370	18,531	63,901		
1939	30,842	56,041	86,883		
1940 ⁵	111,300	171,172	282,472	20	282,492
1941	82,115	298,893	381,008	206	381,214
1942	79,362	410,352	489,714	2,757	492,471
1943	69,945	248,616	318,561	477	319,038
1944	93,570	222,816	316,386	3,315	319,701
1945	70,005	227,477	297,482	2,844	300,326
1946	44,286	115,628	159,914	2,539	162,453
1947	50,752	111,093	211,845	16,025	227,870
1948	63,907	254,302	318,209	28,897	347,106
1949	107,279	277,613	384,892	14,649	399,541
1950	76,520	445,276	521,796	20,039	541,835
1951	67,471	181,313	248,784	9,143	257,927
1952	104,661	511,109	615,770	12,339	628,109
1953	160,899	385,940	546,839	5,439	552,278
1954	161,261	276,327	437,588	5,655	443,243
1955	177,479	264,149	441,628	20,580	462,208
1956	196,452	262,685	469,137	20,738	479,875

Table 10. U. S. general lead imports, 1900-1973—continued

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1957	198,479	324,363	522,842	9,213	532,055
1958	201,599	368,912	570,511	6,570	577,081
1959	138,914	263,416	402,330	8,279	410,609
1960	145,985	206,033	352,018	7,638	359,656
1961	147,608	256,852	404,460	4,942	409,402
1962	138,631	261,800	400,431	2,321	402,752
1963	147,742	232,464	380,206	8,875	389,081
1964	123,257	212,682	335,939	5,054	340,993
1965	123,227	222,613	345,840	4,270	350,110
1966	143,991	287,401	431,392	7,696	439,088
1967	124,067	364,350	488,417	10,289	498,706
1968	87,836	338,270	426,106	6,481	432,587
1969	109,252	280,373	389,625	7,480	397,105
1970	112,406	244,919	357,325	7,370	364,695
1971	65,998	195,628	261,756	3,383	265,009
1972 ⁶					
1973 ⁶					

Source: USBM Minerals Reports.

¹ General imports include lead for immediate consumption plus material entering the country under bond.² Includes ores and matte.³ Includes pigs, bars, and base bullion.⁴ Includes scrap, sheets, etc.⁵ Recycled metal listed separately beginning in 1940; includes white metal and solder.⁶ Not available.Table 11. U. S. general lead imports, 1964-1973, monthly
[reported in short tons]

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1964					
January	13,060	19,714	32,774	160	32,934
February	17,072	20,632	37,704	132	37,836
March	10,424	20,929	31,353	682	32,035
April	8,448	17,597	26,045	734	26,779
May	9,780	16,630	26,410	127	26,537
June	14,374	17,790	32,164	849	33,013
July	8,597	20,789	29,386	59	29,445
August	9,848	13,390	23,238	710	23,948
September	5,194	18,104	23,298	237	23,535
October	11,063	17,692	28,755	347	29,102
November	6,235	13,064	19,299	344	19,643
December	9,160	17,131	26,291	673	26,964
Totals	123,255	213,462	336,717	5,054	341,771
Revised	123,255	212,684	335,939	5,054	340,993
1965					
January	18,506	12,722	31,228	386	31,614
February	13,068	13,470	26,538	513	27,051
March	7,394	22,374	29,768	1,097	30,865
April	6,644	15,022	21,666	204	21,870
May	5,663	13,077	18,740	236	18,976
June	5,673	20,102	25,775	140	25,915

Table 11. U. S. general lead imports, 1964-1973, monthly—continued

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1965					
July	19,505	17,586	37,091	491	37,582
August	7,461	24,881	32,342	258	32,600
September	8,381	15,778	24,159	81	24,240
October	10,952	26,744	37,696	434	38,130
November	6,912	18,175	25,087	164	25,251
December	12,503	21,927	34,430	265	34,695
Totals	122,662	221,858	344,520	4,269	348,789
Revised	123,227	222,613	345,840	4,270	350,110
1966					
January	15,892	14,380	30,272	2,038	32,310
February	13,896	16,203	30,099	963	31,062
March	13,004	26,929	39,933	177	40,110
April	6,820	20,639	27,459	671	28,130
May	5,975	19,315	25,290	164	25,454
June	12,343	30,027	42,370	92	42,462
July	10,531	21,750	32,281	253	32,534
August	8,994	31,262	40,256	206	40,462
September	14,186	30,070	44,256	453	44,709
October	13,378	25,487	38,865	1,151	40,076
November	8,738	24,537	33,275	519	33,794
December	20,145	26,873	47,018	1,009	48,027
Totals	145,913	285,411	431,224	7,696	439,020
Revised	146,003	285,389	431,392	7,696	439,088
1967					
January	13,546	31,712	45,258	641	45,899
February	13,143	29,056	42,199	312	42,511
March	16,744	29,887	46,631	1,188	47,819
April	11,791	24,431	36,222	1,467	37,689
May	12,681	21,950	34,631	283	34,914
June	16,652	37,326	53,978	1,479	55,457
July	7,767	30,461	38,228	1,620	39,848
August	9,044	34,532	43,576	1,439	45,015
September	4,801	25,491	30,292	416	30,708
October	11,990	29,242	41,232	489	41,721
November	3,517	38,995	42,512	542	43,054
December	2,409	31,197	33,606	461	34,067
Totals	124,768	363,597	488,365	10,337	498,702
Revised	124,067	364,350	488,417	10,289	498,706
1968					
January	4,471	39,478	43,949	544	44,493
February	7,784	31,520	39,304	287	39,591
March	5,582	38,168	43,750	523	44,273
April	3,312	35,386	38,698	399	39,097
May	4,930	32,816	37,746	301	38,047
June	5,694	24,649	30,343	787	31,130
July	6,192	29,645	35,837	289	36,126
August	7,443	20,148	27,591	324	27,915
September	14,422	22,256	36,678	326	37,004
October	12,274	18,004	30,278	1,024	31,302
November	6,533	25,777	32,310	757	33,067
December	8,254	20,377	28,631	998	29,629
Totals	87,836	338,270	426,106	7,374	433,480
Revised	87,836	338,270	426,106	6,481	432,587

Table 11. U. S. general lead imports, 1964-1973, monthly—continued

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1969					
January	7,046	12,070	19,116	347	19,463
February	5,702	20,552	26,254	325	26,579
March	7,446	29,013	36,459	1,519	37,978
April	10,608	36,470	47,078	776	47,854
May	8,489	23,567	32,056	791	32,847
June	10,843	23,733	34,576	945	35,521
July	13,246	24,887	38,133	697	38,830
August	8,328	28,256	36,584	739	37,323
September	5,956	19,138	25,094	583	25,677
October	14,837	22,691	37,528	593	38,121
November	9,751	18,471	28,222	714	28,936
December	6,960	21,526	28,486	517	29,003
Totals	109,212	280,374	389,586	8,546	398,132
Revised	109,252	280,373	389,625	7,480	399,105
1970					
January	10,728	17,581	28,309	999	29,308
February	11,249	24,948	36,197	467	36,664
March	7,497	25,146	32,643	307	32,950
April	4,006	22,685	26,691	1,109	27,800
May	17,597	19,094	36,691	1,190	37,881
June	4,437	19,362	23,799	1,173	24,972
July	11,108	18,952	30,060	1,551	31,611
August	11,157	14,234	25,391	151	25,542
September	5,448	25,915	31,363	91	31,454
October	13,713	21,379	35,092	64	35,156
November	10,270	13,326	23,596	141	23,737
December	5,188	22,300	27,488	117	27,605
Totals	112,398	244,922	357,320	7,360	364,680
Revised	112,406	244,623	357,029	7,153	364,182
1971					
January	7,764	26,348	34,112	1,082	35,194
February	4,285	17,818	22,103	265	22,368
March	6,102	15,633	21,735	166	21,901
April	7,792	13,356	21,148	114	21,262
May	4,514	19,829	24,343	225	24,568
June	4,198	14,315	18,513	75	18,588
July	5,966	12,718	18,684	181	18,865
August	2,235	11,633	13,868	213	14,081
September	5,040	19,333	24,373	1,153	25,526
October	3,881	14,738	18,619	52	18,671
November	5,823	14,903	20,726	74	20,800
December	8,528	15,004	23,532	19	23,551
Totals	66,128	195,628	261,756	3,619	265,375
Revised	65,998	195,587	261,585	3,424	265,009
1972					
January	7,371	19,249	26,620	167	26,787
February	3,934	15,112	19,046	60	19,106
March	8,096	34,422	42,518	275	42,793
April	6,544	15,981	22,525	1,091	23,616
May	7,248	23,302	30,550	130	30,680
June	17,963	33,850	51,813	75	51,888
July	4,161	12,968	17,129	655	17,784
August	7,596	15,302	22,898	33	22,931

Table 11. U. S. general lead imports, 1964-1973, monthly—continued

Month and total	Raw ¹	Refined ²	Total, raw and refined	Recycled ³	Total
1972					
September	12,820	25,532	38,352	478	38,830
October	7,360	15,258	22,618	329	22,947
November	8,996	18,233	27,229	27	27,256
December	9,424	14,215	23,639	73	23,712
Totals ⁵ Revised ⁶	101,513	243,424	344,937	3,393	348,330
1973					
January	16,625	28,523	45,148	754	45,902
February	4,698	22,912	27,610	12	27,622
March	4,161	13,523	17,684	29	17,713
April	3,517	13,034	16,551	58	16,609
May	9,074	12,980	22,054	122	22,176
June	5,971	15,301	21,272	68	21,340
July	13,386	23,118	36,504	47	36,551
August	12,662	15,753	28,415	216	28,631
September	4,641	8,677	13,318	147	13,465
October	8,227	3,663	11,890	157	12,047
November	8,092	12,428	20,520	375	20,895
December	11,427	8,198	19,625	36	19,661
Totals ⁵ Revised ⁶	102,481	178,110	280,591	2,021	282,612

Source: USBM monthly Mineral Industry Surveys and USBM Minerals Yearbooks.

¹ General imports include lead for immediate consumption plus material entering the country under bond.² Includes ores and matte.³ Includes pigs, bars, and base bullion.⁴ Includes scrap, sheets, etc.⁵ Preliminary figures.⁶ Not available.Table 12. U. S. lead imports for consumption, 1900-1973
[reported in short tons]

Year	Raw ¹	Refined ²	Total, raw and refined	Recycled ³	Total
1900	5,105 ⁴	1,837	6,942	14	6,956
1901	5,162 ⁴	1,802	6,964	28	6,992
1902	7,250 ⁴	6,222	13,472	112	13,584
1903	20,578 ⁴	4,486	25,064	9	25,073
1904	9,508 ⁴	8,667	18,175	35	18,210
1905	24,763 ⁴	5,190	29,953	39	29,992
1906	22,280	12,441	34,721	173	34,894
1907	6,682	7,834	14,516	367	14,883
1908	1,403	2,673	4,076	21	4,087
1909	3,540	14,496	18,036	20	18,056
1910	3,999	11,660	15,659	20	15,679
1911	737	12,245	12,982	32	33,014
1912	468	13,961	14,429	16	14,445
1913	1,153	11,143	12,296	20	12,316
1914	2,730	4,740	7,470	31	7,501
1915	1,433	8,247	9,680	101	9,781

Table 12. U. S. lead imports for consumption, 1900-1973—continued

Year	Raw ¹	Refined ²	Total, raw and refined	Recycled ³	Total
1916	5,063	5,815	10,878		10,878
1917	2,719	4,361	7,080	1	7,081
1918	3,032	2,450	5,482	3	5,485
1919	2,053	20,985	23,038	4	23,042
1920	6,850	67,859	74,709	21	74,730
1921	3,421	59,365	62,786	2	62,788
1922	11,825	32,211	44,036	3	44,039
1923	11,210	27,025	38,235	10	38,245
1924	32,574	28,079	60,653	6	60,659
1925	6,353	20,106	26,459	14	26,473
1926	29,376	18,853	46,229	432	46,661
1927	35,130	12,282	47,412	494	47,906
1928	23,256	16,923	40,179	386	40,567
1929	10,823	16,287	27,110	450	27,560
1930	15,458	10,994	26,452	454	26,906
1931	10,734	10,446	21,180	428	21,608
1932	9,647	2,618	12,265	543	12,808
1933	19,239	351	19,590	518	20,108
1934	10,760	2,505	13,265	286	13,551
1935	8,273	2,744	11,017	404	11,421
1936	5,836	3,083	8,919	304	9,223
1937	9,993	6,011	16,004	376	16,380
1938	6,722	2,305	9,027	166	9,193
1939	12,317	6,536	18,853	170	19,023
1940	70,027	46,874	116,901	201	117,102
1941	82,345	343,578	425,923	47	425,970
1942	87,377	436,282	523,659	20	523,679
1943	83,153	248,544	331,697	25	331,722
1944	100,846	223,452	324,298	40	324,338
1945	71,046	227,331	298,377	14	298,391
1946	28,255	104,103	132,358	24	132,382
1947	44,442	160,463	204,905	67	204,972
1948	33,932	255,614	289,546	181	289,727
1949	121,848	273,570	395,418	178	395,596
1950	95,068	194,504	289,572	207	289,779
1951	31,359	179,021	210,380	255	210,635
1952	107,621	513,669	622,290	11	621,301
1953	67,030	379,861	446,891	178	447,069
1954	196,054	274,327	470,381	7,614	477,995
1955	156,433	263,977	420,410	20,992	441,402
1956	191,302	262,235	453,537	28,118	481,655
1957	234,616	321,733	556,349	13,493	569,842
1958	237,625	352,175	589,800	11,244	601,044
1959	136,560	262,632	399,192	11,505	410,697
1960	137,303	213,640	350,943	8,453	359,396
1961	136,780	247,663	384,443	6,739	391,182
1962	133,080	259,949	393,029	4,354	397,383
1963	135,445	224,156	359,601	17,834	377,435
1964	128,067	218,183	346,250	3,430	349,680
1965	128,933	224,027	352,960	4,492	357,452
1966	63,850	287,716	351,566	4,875	356,441
1967	144,156	364,273	508,429	10,580	519,009
1968	96,863	337,683	434,546	5,142	439,688
1969	115,286	280,866	396,152	7,200	403,352
1970	42,606	245,800	288,406	3,494	291,900
1971	88,184	192,611	280,795	2,755	283,550

Table 12. U. S. lead imports for consumption, 1900-1973—continued

Year	Raw ¹	Refined ²	Total, raw and refined	Recycled ³	Total
1972	51,642	246,493	298,135	1,895	300,030
1973 ⁵					

Source: USBM Minerals Yearbooks.

¹ Includes ores and matte.² Includes pigs, bars, and base bullion.³ Includes scrap, sheets, etc.⁴ Prior to 1906, lead in bullion included in Raw category; after 1906 it is included in the Refined category.⁵ Not available.Table 13. U. S. lead imports for consumption, 1964-1973, monthly
[reported in short tons]

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1964					
January	24,740	17,642	42,382	264	42,646
February	1,948	19,612	21,560	287	21,847
March	6,170	17,777	23,947	313	24,260
April	25,740	23,995	49,735	302	30,037
May	3,137	18,079	21,216	418	21,634
June	5,028	16,452	21,480	474	21,954
July	24,368	24,597	48,965	223	49,188
August	2,112	13,071	15,183	213	15,396
September	2,716	15,859	18,575	50	18,625
October	25,584	20,184	45,768	513	46,281
November	1,841	13,511	15,352	366	15,718
December	4,682	17,888	22,570	17	22,587
Totals	128,066	218,667	346,733	3,440	350,173
Revised	128,066	218,183	346,250	3,430	349,680
1965					
January	25,044	13,369	38,413	595	39,008
February	3,921	13,539	17,460	571	18,031
March	4,346	22,360	26,706	174	26,880
April	29,029	15,823	44,852	216	45,068
May	1,367	13,367	14,734	287	15,021
June	3,114	25,301	28,415	180	28,595
July	23,690	12,373	36,063	597	36,660
August	3,457	16,087	19,544	302	19,846
September	1,102	15,778	16,880	453	17,333
October	29,376	27,284	56,660	541	57,201
November	934	25,280	26,214	251	26,465
December	3,049	22,323	25,372	244	25,616
Totals	128,429	222,884	351,313	4,411	355,724
Revised	128,933	222,085	351,018	4,492	355,510
1966					
January	449	14,119	14,568	812	15,380
February	68	14,955	15,023	397	15,420
March	698	27,049	27,747	216	27,963
April	1,482	20,639	22,121	170	22,291
May	2,122	19,315	21,437	314	21,751

Table 13. U. S. lead imports for consumption, 1964-1973, monthly—continued

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1966					
June	12,343	29,582	41,925	231	42,156
July	11,628	21,838	33,466	428	33,894
August	9,840	31,249	41,089	369	41,458
September	8,456	30,348	38,804	461	39,265
October	5,394	25,474	30,868	529	31,397
November	7,655	24,537	32,192	537	32,729
December	11,691	27,097	38,788	411	39,199
Totals	71,826	286,202	358,028	4,875	362,903
Revised	63,850	287,310	351,160	4,875	356,035
1967					
January	13,246	31,698	44,944	804	45,748
February	19,567	29,019	48,586	445	49,031
March	11,762	29,887	41,649	1,248	42,897
April	19,542	24,443	43,985	1,220	45,205
May	13,475	20,837	34,312	506	34,818
June	15,487	37,543	53,030	840	53,870
July	15,978	31,331	47,309	1,681	48,990
August	4,073	34,532	38,605	1,499	40,104
September	4,169	25,491	29,660	457	30,117
October	12,321	29,229	41,550	538	42,088
November	4,402	38,995	43,397	816	44,213
December	10,206	31,197	41,403	551	41,954
Totals	144,228	364,202	508,430	10,605	519,035
Revised	144,156	364,273	508,429	10,580	519,009
1968					
January	697	39,443	40,140	627	40,763
February	6,416	31,520	37,936	383	38,319
March	5,582	38,143	43,725	677	44,402
April	6,160	35,386	41,546	464	42,010
May	3,942	32,797	36,739	409	37,148
June	8,329	24,649	32,978	848	33,826
July	10,121	28,645	38,766	436	39,202
August	10,579	20,148	30,727	351	31,078
September	4,881	22,256	27,137	378	27,514
October	14,455	18,004	32,459	354	32,813
November	14,140	26,069	40,209	276	40,485
December	14,653	20,577	35,230	486	35,716
Totals	99,955	337,637	437,592	5,689	443,281
Revised	96,863	337,683	434,546	5,142	439,688
1969					
January	13,570	12,220	25,790	247	26,037
February	15,524	18,823	34,347	325	34,672
March	8,802	29,113	37,915	528	38,443
April	11,838	36,470	48,308	576	48,884
May	4,216	23,567	27,783	791	28,574
June	7,037	23,733	30,770	880	31,650
July	9,229	24,887	34,116	628	34,744
August	4,653	28,256	32,909	713	33,622
September	5,414	19,138	24,552	583	25,135
October	11,909	22,691	34,600	593	35,193
November	12,019	18,471	30,490	757	31,247
December	11,073	21,520	32,593	517	33,110
Totals	115,284	278,889	394,173	7,138	401,311
Revised	115,286	280,866	396,152	7,200	403,352

Table 13. U. S. lead imports for consumption, 1964-1973, monthly—continued

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1970					
January	11,324	17,581	28,905	317	29,222
February	1,480	24,948	26,428	473	26,901
March	5,162	25,146	30,308	350	30,658
April	6,629	22,685	29,314	352	29,666
May	5,261	19,094	24,355	301	24,656
June	265	19,329	19,594	299	19,893
July	2,275	18,952	21,227	455	21,682
August	3,235	14,234	17,469	207	17,676
September	1,933	26,714	28,648	91	28,739
October	1,986	21,379	23,365	300	23,665
November	1,630	13,326	14,956	220	15,176
December	1,943	22,376	24,319	117	24,436
Totals	43,123	245,764	288,887	3,482	292,369
Revised	42,606	245,800	288,406	3,494	291 900
1971					
January	250	26,348	26,598	138	26,736
February	596	17,818	18,414	165	18,579
March	781	15,633	16,414	166	16,580
April	1,250	13,356	14,606	114	14,720
May	4,967	19,829	24,796	225	25,021
June	6,455	14,315	20,770	75	20,845
July	6,056	12,718	18,774	181	18,955
August	1,871	11,633	13,504	213	13,717
September	64,390	19,333	83,723	213	84,079
October	717	11,739	12,456	52	12,508
November	—	14,903	14,903	74	14,977
December	914	14,987	15,901	19	15,920
Totals	88,247	192,612	280,859	1,778	282,637
Revised	88,184	192,611	280,795	2,755	283,550
1972					
January	6,563	19,266	25,829	99	25,928
February	110	18,111	18,221	160	18,381
March	4,385	34,422	38,807	175	38,982
April	13,728	15,981	29,709	79	29,788
May	13,961	23,576	37,537	158	37,695
June	5,992	33,850	39,842	849	40,691
July	3,916	12,968	16,884	158	17,042
August	2,562	15,302	17,864	33	17,897
September	118	25,532	25,650	81	25,731
October	—	15,258	15,258	134	15,392
November	—	18,233	18,233	27	18,260
December	307	14,215	14,522	73	14,595
Totals ⁵	51,642	246,714	298,356	1,895	300,251
Revised ⁶					
1973					
January	1,755	28,523	30,278	184	30,462
February	3,023	22,912	25,935	12	25,947
March	16,870	13,523	30,393	29	30,422
April	16,534	13,034	29,568	58	29,626
May	13,353	12,980	26,333	122	26,455
June	26,111	15,301	41,412	68	41,480
July	2,364	23,117	25,481	47	25,528

Table 13. U. S. lead imports for consumption, 1964-1973, monthly—continued

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1973					
August	129	15,753	15,882	216	16,098
September	566	8,677	9,243	147	9,390
October	7,598	3,663	11,261	157	11,418
November	5,602	12,428	18,030	19	18,049
December	5,097	8,198	13,295	36	13,331
Totals ⁵	99,002	178,109	277,111	1,095	278,206
Revised ⁶					

Source: USBM monthly Mineral Industry Surveys and USBM Minerals Yearbooks.

¹ Excludes imports for consumption in bond and export classified as "Imports for Consumption" by the U. S. Bureau of Census.² Includes ores and matte.³ Includes pigs, bars, and base bullion.⁴ Includes scrap, sheets, etc.⁵ Preliminary figures.⁶ Not available.Table 14. U. S. general zinc imports, 1910-1973
[reported in short tons¹]

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1910	25,430				
1911	15,933				
1912	17,567				
1913	13,497				
1914	12,132				
1915	57,669				
1916	148,147				
1917	72,474				
1918	24,809				
1919	17,009				
1920	22,487				
1921	2,705				
1922	1,929				
1923	3,223				
1924	4,649				
1925	13,536				
1926	14,567				
1927	9,513				
1928	1,667				
1929	14,411				
1930	25,839				
1931	780				
1932	1,904				
1933	2,133				
1934	14,277				
1935	10,520				
1936	172				
1937	8,812				
1938	18,583				
1939	36,100				
1940	180,320	16,468	196,788		
1941	289,213	34,554	323,767		

Table 14. U. S. general zinc imports, 1910-1973—continued

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1942	368,408	36,352	404,760		
1943	536,988	56,155	593,143		
1944	422,694	63,626	486,320		
1945	381,719	94,116	478,835		
1946	272,056	104,743	376,799		
1947	297,959	72,312	371,271		
1948	264,203	93,232	357,435		
1949	241,179	126,925	368,104		
1950	278,573	155,974	434,547		
1951	302,875	88,043	390,918		
1952	449,636	115,705	565,341		
1953	513,724	234,576	748,300	5,916	754,216
1954	455,427	156,858	612,285	1,054	613,339
1955	478,044	195,696	673,740	284	687,187
1956	525,350	244,978	770,328	602	770,930
1957	526,014	269,007	795,021	590	795,611
1958	461,560	195,199	656,759	971	657,730
1959	500,115	156,963	657,078	1,135	658,213
1960	457,155	120,767	577,922	1,282	579,204
1961	415,700	127,562	543,262	1,434	544,696
1962	467,398	141,957	609,355	1,722	612,077
1963	372,769	144,757	517,526	3,861	521,387
1964	357,145	118,340	475,485	4,138	479,623
1965	428,040	152,990	581,030	3,998	585,028
1966	521,320	278,175	799,495	6,749	806,244
1967	534,092	222,112	756,204	4,100	760,304
1968	546,382	306,540	852,922	12,179	865,101
1969	602,120	329,128	931,248	12,296	943,544
1970	525,759	270,413	796,172	15,038	811,210
1971	342,521	319,568	662,089	14,020	676,109
1972 ⁵	254,868	522,612	777,480	26,717	804,197
1973 ⁵	199,049	588,723	787,772	14,764	802,536

Source: USBM Minerals Yearbooks.

¹ Includes zinc imported for immediate consumption as well as material entering country under bond.² Includes ores and matte.³ Includes blocks, pigs, slabs, etc.⁴ Includes sheets, old, dross, dust, skimmings, etc.⁵ Preliminary figures.

Table 15. U. S. general zinc imports, 1964-1973, monthly¹
[reported in short tons]

Month and totals	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1964					
January	23,621	11,427	35,048	293	35,341
February	32,187	10,588	42,775	770	43,545
March	28,510	10,505	39,015	517	39,532
April	27,605	9,727	37,332	307	37,639
May	35,939	9,057	44,996	450	45,446
June	33,465	8,934	42,399	334	42,733
July	29,051	7,864	36,915	135	37,050
August	28,857	9,624	38,481	327	38,808
September	24,631	9,342	33,973	174	34,147
October	29,836	9,583	39,419	282	39,701
November	30,532	12,267	42,799	384	43,183
December	32,904	9,421	42,325	201	42,425
Totals	357,138	118,339	475,477	4,174	479,651
Revised	357,145	118,340	475,485	4,138	479,623
1965					
January	29,086	12,090	41,176	227	41,403
February	30,756	15,112	45,860	286	46,154
March	45,134	7,208	52,342	215	52,557
April	25,877	18,305	44,182	342	44,524
May	32,895	9,436	42,331	298	42,629
June	32,300	3,748	36,048	205	36,253
July	38,943	21,127	60,070	415	60,485
August	36,065	10,731	46,796	395	47,191
September	36,155	2,679	38,834	213	39,047
October	34,826	20,709	55,535	633	56,168
November	42,184	14,008	56,192	351	56,543
December	41,745	17,835	59,580	433	60,013
Totals	425,966	152,988	578,954	4,013	582,967
Revised	428,040	152,990	581,030	3,998	585,028
1966					
January	35,035	22,000	57,035	720	57,755
February	32,899	18,864	51,763	563	52,326
March	39,478	21,566	61,044	537	61,581
April	35,266	13,981	49,247	458	49,705
May	32,818	26,316	59,134	523	59,657
June	43,120	28,257	71,377	428	71,805
July	26,459	21,588	48,027	485	48,512
August	70,922	23,757	94,679	482	95,161
September	62,124	25,679	87,803	750	88,553
October	39,177	27,389	66,566	569	67,135
November	48,002	26,677	74,679	658	75,337
December	55,984	21,314	77,298	576	77,874
Totals	521,284	277,388	798,672	6,749	805,421
Revised	521,320	278,175	799,495	6,749	806,244
1967					
January	47,934	27,207	75,141	552	75,693
February	51,214	11,088	62,302	783	63,085
March	48,576	26,888	75,464	386	75,850
April	46,803	14,918	61,721	255	61,976
May	56,910	15,425	72,335	185	72,520
June	64,044	16,956	81,000	250	81,250
July	45,202	18,287	63,489	138	63,627

Table 15. U. S. general zinc imports, 1964-1973, monthly—continued

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1967					
August	37,645	20,573	58,218	214	58,432
September	28,302	16,060	44,362	437	44,799
October	29,823	11,949	41,772	466	42,238
November	44,798	23,047	67,845	246	68,091
December	32,840	18,965	51,805	188	51,993
Totals	534,091	221,363	755,454	4,100	759,554
Revised	534,092	222,112	756,204	4,100	760,304
1968					
January	50,275	29,272	79,547	206	79,753
February	33,728	30,808	64,536	223	64,759
March	47,790	35,752	83,542	175	83,718
April	30,199	31,129	61,328	110	61,438
May	43,477	24,047	67,529	30	67,559
June	44,956	17,214	62,170	94	62,264
July	50,789	20,247	71,036	193	71,229
August	53,938	22,949	76,887	64	76,951
September	51,108	14,889	65,997	99	66,096
October	41,133	24,395	65,528	46	65,574
November	54,893	23,561	78,454	14	78,468
December	44,091	31,448	75,539	688	76,227
Totals	546,382	305,480	851,862	1,298	853,160
Revised	546,382	306,540	852,922	12,179	865,101
1969					
January	48,806	16,887	65,693	377	66,070
February	43,552	23,105	66,657	372	67,029
March	43,130	28,607	71,737	884	72,621
April	37,650	30,298	67,928	988	68,916
May	59,577	32,537	92,114	805	92,919
June	71,615	26,454	98,069	1,366	99,435
July	49,444	33,395	82,839	669	83,508
August	47,143	27,842	74,985	238	75,223
September	50,891	31,841	82,732	704	83,436
October	57,005	25,873	82,878	3,747	86,625
November	53,006	24,060	77,066	495	77,561
December	40,301	28,129	68,430	1,062	69,492
Totals	602,120	329,008	931,128	11,707	942,835
Revised	602,120	329,129	931,248	12,296	943,444
1970					
January	44,660	25,871	70,531	1,335	71,866
February	45,209	21,902	67,111	2,561	69,672
March	56,569	21,479	78,048	522	78,570
April	39,528	22,399	61,927	1,602	63,529
May	43,702	25,285	68,987	645	69,632
June	42,932	16,557	59,489	1,371	60,860
July	44,184	20,847	65,031	717	65,748
August	56,865	16,302	73,167	2,515	75,682
September	42,140	19,517	61,657	887	62,544
October	31,508	32,263	63,771	915	64,686
November	32,998	19,056	52,054	924	52,978
December	45,462	31,099	76,561	1,044	77,605
Totals	525,757	272,577	798,334	15,038	813,372
Revised	525,759	270,413	796,172	15,038	811,210

Table 15. U. S. general zinc imports, 1964-1973, monthly—continued

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1971					
January	37,395	17,893	55,288	971	56,259
February	33,338	14,538	47,876	952	48,828
March	37,504	29,077	66,581	894	67,475
April	32,940	22,662	55,602	1,091	56,693
May	25,781	21,223	47,004	685	47,689
June	40,854	27,145	67,999	1,119	69,118
July	20,965	30,296	51,261	849	52,110
August	18,065	28,487	46,552	845	47,397
September	24,042	41,223	66,408	1,143	67,551
October	23,763	17,615	41,378	1,811	43,189
November	20,286	25,524	45,810	2,149	47,959
December	27,667	43,389	71,056	1,511	72,567
Totals	342,600	319,072	661,672	14,020	675,692
Revised	342,521	319,568	662,089	14,020	676,109
1972					
January	33,190	27,282	60,472	3,082	63,554
February	30,952	31,347	62,299	2,089	64,388
March	23,367	53,483	76,850	1,924	78,774
April	29,944	24,718	54,662	1,285	55,947
May	24,645	38,978	63,623	3,240	66,863
June	24,938	59,793	84,731	2,134	86,865
July	14,745	44,902	59,647	5,597	65,244
August	8,915	40,625	49,540	1,338	50,878
September	16,195	56,494	72,689	3,429	76,118
October	21,759	46,874	68,633	957	69,590
November	14,446	60,356	74,802	2,516	77,318
December	11,771	37,786	49,557	443	50,000
Totals ⁵	254,867	522,638	777,505	26,526	804,031
Revised ⁶					
1973					
January	22,038	69,771	91,809	1,595	93,404
February	19,800	46,165	65,965	2,171	68,136
March	20,351	52,059	72,410	450	72,860
April	18,045	38,786	56,831	1,220	58,051
May	20,582	40,668	61,250	2,438	63,688
June	18,986	50,275	69,261	1,495	70,756
July	12,137	53,397	65,534	1,380	66,914
August	16,153	49,826	65,979	976	66,955
September	9,807	40,737	50,544	415	50,959
October	15,713	51,542	67,255	565	67,820
November	11,773	48,225	59,998	732	60,730
December	13,665	47,272	60,937	1,149	62,086
Totals ⁵	199,050	588,723	787,773	14,586	802,359
Revised ⁶					

Source: USBM Minerals Yearbooks.

¹ Includes zinc imported for immediate consumption plus material entering the country under bond.² Includes ores and matte.³ Includes blocks, pigs, slabs, etc.⁴ Includes sheets, old, dross, dust, skimmings, etc.⁵ Preliminary figures.⁶ Not available.

Table 16. U. S. zinc imports for consumption, 1901-1973
[reported in short tons¹]

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1901		278		154	432
1902		448		225	673
1903		202		292	494
1904		341		53	394
1905		428		100	528
1906		1,021		1,010	2,031
1907		1,709		1,121	2,830
1908		776		1,387	2,163
1909		9,419		1,260	10,679
1910	21,242	989	22,231	1,821	24,052
1911	4,141	323	4,464	2,431	6,895
1912	10,864	10,719	21,583	3,611	25,194
1913	4,447	5,165	9,612	2,866	12,478
1914	5,548	195	5,743	2,669	8,412
1915	16,282	63	16,345	2,413	18,758
1916	55,796	21	55,817	4,003	59,820
1917	33,517	18	33,535	918	34,453
1918		11		207	218
1919		32		942	974
1920				35	35
1921		6,598		6,736	13,334
1922		40		541	581
1923		1		24	25
1924		11		73	84
1925				140	140
1926				23	23
1927		39		20	59
1928				152	
1929		226		159	385
1930		281		176	457
1931		274		21	295
1932		310		50	360
1933		1,890		77	1,967
1934		1,725		73	1,798
1935		4,444		181	4,625
1936		11,660		313	11,973
1937		37,208		978	38,186
1938	4,800	7,230	12,030	386	12,416
1939	33,503	30,960	64,463	422	64,885
1940	44,637	10,146	54,783	538	55,321
1941	154,520	40,288	194,808	867	195,675
1942	283,167	36,352	319,519	4,109	323,628
1943	516,646	56,155	572,801	5,252	578,053
1944	415,004	63,626	478,630	5,618	484,248
1945	330,397	96,710	427,107	7,693	434,800
1946	166,885	104,065	270,950	4,164	275,114
1947	194,822	72,063	266,885	5,106	271,991
1948	133,814	92,495	226,309	10,434	236,741
1949	109,535	125,564	235,099	3,781	238,880
1950	237,564	155,332	392,896	3,545	396,441
1951	197,995	88,043	286,038	6,906	292,944
1952	542,314	113,053	655,367	3,669	662,705
1953	449,732	227,654	677,386	7,156	684,542
1954	480,918	160,138	641,056	1,346	642,402
1955	384,648	195,059	579,707	787	580,494
1956	462,379	244,726	707,105	1,128	708,233
1957	679,416	268,824	948,240	1,434	949,674

Table 16. U. S. zinc imports for consumption, 1901-1973—continued

Year	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1958	537,699	185,693	723,392	1,967	725,359
1959	424,134	164,462	588,596	2,233	590,829
1960	382,938	120,925	503,863	2,229	506,092
1961	357,653	125,186	482,839	2,679	485,518
1962	387,321	135,995	523,316	4,992	528,308
1963	371,919	132,332	504,251	7,655	511,906
1964	311,435	134,118	445,553	8,818	454,371
1965	402,936	153,957	556,893	6,326	563,219
1966	396,375	280,307	676,682	9,557	685,188
1967	431,319	222,002	653,321	8,382	661,705
1968	481,787	306,651	788,438	10,313	798,751
1969	565,234	327,969	893,203	31,334	924,537
1970	450,770	260,132	710,902	31,028	741,930
1971	467,368	324,751	792,119	42,877	834,996
1972 ⁵	174,063	516,643	690,706	15,677	706,383
1973 ⁵	153,925	587,428	741,353	26,087	767,440

Source: USBM Minerals Yearbooks.

¹ Does not include zinc ores and concentrates imported for refining and export.² Includes ores and matte.³ Includes blocks, pigs, slabs, etc.⁴ Includes sheets, old, dross, dust, skimmings, etc.⁵ Preliminary figures.

Table 17. U. S. zinc imports for consumption, 1964-1973, monthly
[reported in short tons¹]

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1964					
January	48,158	14,611	62,769	450	63,219
February	13,553	10,136	23,689	2,708	26,397
March	19,152	9,609	28,761	738	29,499
April	45,762	14,347	60,109	703	60,812
May	20,768	9,357	30,125	406	30,531
June	12,906	9,705	22,611	502	23,113
July	46,088	13,282	59,370	444	59,814
August	18,296	9,621	27,917	999	28,916
September	9,515	10,244	19,559	333	19,892
October	52,723	12,350	65,073	784	65,857
November	12,944	12,482	25,426	469	25,895
December	11,568	8,297	19,865	468	20,333
Totals	311,433	134,041	445,474	9,004	454,478
Revised	311,435	134,118	554,819	8,818	563,637
1965					
January	31,560	12,763	44,323	464	44,787
February	21,696	12,803	34,499	448	34,947
March	32,052	5,265	37,317	227	37,544
April	44,880	21,004	65,884	813	66,697
May	19,506	8,964	28,470	366	28,836
June	19,259	2,164	21,423	164	21,587
July	48,922	22,301	71,223	758	71,981
August	15,521	10,073	25,594	302	25,896
September	14,266	2,434	16,700	39	16,739
October	90,528	21,767	112,295	867	113,162
November	35,562	16,287	51,849	857	52,706
December	27,112	18,130	45,242	1,123	46,365
Totals	400,864	153,955	554,819	6,428	574,103
Revised	402,936	153,957	556,893	6,326	563,219
1966					
January	23,804	22,485	46,289	615	46,904
February	25,438	19,355	44,793	683	45,476
March	33,258	21,954	55,212	818	56,030
April	38,650	14,174	52,824	604	53,428
May	24,630	25,683	50,313	953	51,266
June	36,110	28,296	64,406	602	65,008
July	20,818	22,049	42,867	931	43,798
August	46,276	23,950	70,226	635	70,861
September	49,927	25,841	75,768	966	76,734
October	32,238	27,526	59,764	894	60,658
November	33,985	26,913	60,898	846	61,744
December	31,210	21,314	52,524	763	53,287
Totals	396,344	279,540	675,884	9,310	685,194
Revised	396,338	279,540	675,878	9,310	685,188
1967					
January	34,274	27,207	61,481	697	62,178
February	59,131	10,965	70,096	1,071	71,167
March	34,841	24,416	59,257	755	60,012
April	32,611	15,027	47,638	733	48,371

Table 17. U. S. zinc imports for consumption, 1964-1973, monthly—continued

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1967					
May	33,403	15,700	49,103	515	49,618
June	40,727	17,677	58,404	616	59,020
July	28,868	16,774	45,642	450	46,092
August	42,874	19,527	62,401	594	62,995
September	24,930	16,611	41,541	761	42,302
October	36,479	13,162	49,641	836	50,477
November	39,705	24,959	64,664	605	65,269
December	23,476	19,295	42,771	670	43,441
Totals	431,319	221,320	652,639	8,303	660,942
Revised	431,319	222,002	653,321	8,382	661,703
1968					
January	27,805	29,383	57,188	904	58,092
February	32,371	30,808	63,179	1,184	64,363
March	26,963	35,752	62,715	910	63,625
April	31,433	31,124	62,562	3,091	65,653
May	34,207	24,047	58,254	912	59,166
June	38,081	17,214	55,295	584	55,879
July	61,078	20,247	81,325	826	82,151
August	40,236	22,453	62,689	1,132	63,826
September	49,914	15,385	65,299	1,414	66,713
October	45,873	24,395	70,268	233	70,501
November	46,563	23,561	70,124	561	70,685
December	47,277	31,448	78,725	2,126	80,851
Totals	481,801	305,817	787,618	13,877	801,495
Revised	481,787	306,651	788,438	10,313	798,751
1969					
January	52,612	16,860	69,472	1,420	70,892
February	45,409	23,105	68,514	3,483	72,197
March	30,467	28,511	58,978	1,693	60,671
April	33,270	30,024	63,294	3,235	66,529
May	41,777	32,240	74,017	805	74,822
June	52,441	26,190	78,631	2,546	81,177
July	43,080	33,365	76,445	2,062	78,507
August	41,014	27,820	68,834	2,901	71,735
September	62,491	31,804	94,295	2,608	96,903
October	47,996	25,893	73,889	4,470	78,359
November	58,521	23,977	82,498	2,006	84,504
December	56,155	28,061	84,216	2,779	86,995
Totals	565,233	327,850	893,083	30,008	923,091
Revised	565,234	327,969	893,203	31,334	924,537
1970					
January	43,782	25,860	69,642	1,930	71,572
February	52,589	21,881	74,470	3,588	78,058
March	44,085	21,503	65,588	2,617	68,205
April	37,899	22,423	60,302	4,959	65,261
May	35,023	25,343	60,366	650	61,016
June	37,765	16,557	54,322	4,127	58,449
July	31,715	18,638	50,353	1,667	52,020
August	41,281	16,502	57,785	2,258	60,043
September	23,107	17,312	40,419	2,066	42,485
October	35,653	28,953	64,606	2,237	66,843

Table 17. U. S. zinc imports for consumption, 1964-1973, monthly—continued

Month and total	Raw ²	Refined ³	Total, raw and refined	Recycled ⁴	Total
1970					
November	28,249	17,954	46,203	2,868	49,071
December	39,621	29,446	68,467	1,955	70,422
Totals	450,769	262,372	713,141	30,922	744,063
Revised	450,770	260,132	710,902	31,028	741,930
1971					
January	32,548	18,593	51,141	2,669	53,810
February	36,030	15,738	51,768	952	52,720
March	40,955	31,264	72,219	4,744	76,963
April	26,361	23,792	50,153	1,118	51,271
May	33,270	21,223	54,493	685	55,178
June	48,031	27,237	75,268	1,064	76,332
July	25,682	31,258	56,940	2,054	58,994
August	11,676	25,730	37,406	1,164	38,570
September	204,798	43,363	248,161	2,465	250,626
October	1,370	18,201	19,571	20,219	59,361
November	5,907	27,148	33,055	807	33,862
December	821	40,707	41,528	776	42,304
Totals	467,449	324,254	791,703	42,877	834,580
Revised	467,368	324,751	792,119	42,877	834,996
1972					
January	27,537	24,021	51,558	1,341	52,899
February	28,313	32,395	60,708	659	61,367
March	27,206	48,022	75,228	1,276	76,504
April	7,038	26,174	33,212	1,285	34,497
May	26,415	39,227	65,642	1,366	67,008
June	6,628	59,793	66,421	1,107	67,528
July	11,010	44,902	55,912	1,630	57,542
August	5,615	40,625	46,240	688	46,928
September	2,625	56,494	59,119	915	60,034
October	11,847	46,844	58,691	967	59,658
November	9,755	60,356	70,111	1,746	71,857
December	10,071	37,786	47,857	2,770	50,627
Totals	174,060	516,669	690,729	15,552	706,281
Revised	174,063	516,643	690,706	15,677	706,383
1973					
January	18,664	69,771	88,435	3,161	91,596
February	20,668	46,165	66,833	2,349	69,182
March	14,133	52,059	66,192	450	66,642
April	15,996	38,786	54,782	3,119	57,901
May	11,388	40,668	52,056	3,354	55,410
June	11,738	50,275	62,013	3,207	65,040
July	12,847	53,303	66,150	2,163	68,313
August	9,774	50,017	59,791	2,743	62,534
September	9,137	40,392	49,529	1,362	50,891
October	12,900	51,652	64,552	1,414	65,966
November	10,492	47,068	57,560	1,617	59,177
December	6,188	47,272	53,460	1,149	54,609
Totals ⁵	153,925	587,428	741,353	25,904	767,257
Revised ⁶					

Source: USBM Minerals Yearbooks.

¹ Does not include zinc ores and concentrates imported for refining and export.² Includes ores and matte.³ Includes blocks, pigs, slabs, etc.⁴ Includes sheets, old, dross, dust, skimmings, etc.⁵ Preliminary figures.⁶ Not available.

Table 18. Summary of prices for five major nonferrous metals, 1881-1973*

Year	Copper ¹		Lead	Zinc	Silver ¹		Gold
	D.	F.			D.	F.	
1881	18		5	5	114	114	21
1882	19		5	5	114	114	21
1883	16		4	4	111	111	21
1884	14		4	4	111	111	21
1885	11		4	4	107	107	21
1886	11		5	4	100	100	21
1887	11		5	5	98	98	21
1888	17		4	5	94	94	21
1889	14		4	5	94	94	21
1890	16		4	6	105	105	21
1891	13		4	5	99	99	21
1892	12		4	5	88	88	21
1893	11		4	4	78	78	21
1894	10		3	4	63	63	21
1895	11		3	4	65	65	21
1896	11		3	4	67	67	21
1897	11		4	4	60	60	21
1898	12		4	5	58	58	21
1899	17		4	6	60	60	21
1900	16		4	4	61	61	21
1901	16		4	4	59	59	21
1902	12		4	5	52	52	21
1903	13		4	5	54	54	21
1904	13		4	5	57	57	21
1905	16		5	6	60	60	21
1906	19		6	6	67	67	21
1907	20		5	6	65	65	21
1908	13		4	5	53	53	21
1909	13		4	5	52	52	21
1910	13		4	5	53	53	21
1911	12		4	6	5	5	21
1912	16		4	7	61	61	21
1913	15		4	6	60	60	21
1914	14		4	5	55	55	21
1915	17		5	13	50	50	21
1916	27		7	13	66	66	21
1917	27		9	9	81	81	21
1918	25		7	8	96 ²	97	21
1919	19		6	7	100 ²	111	21
1920	17		8	8	100 ²	101	21
1921	13		5	5	100 ²	63	21
1922	13		6	6	100 ²	68	21
1923	14		7	7	82 ²	65	21
1924	13		9	6	67	67	21
1925	14		9	8	69	69	21
1926	14		8	7	62	62	21
1927	13		7	6	56	56	21
1928	15		6	6	58	58	21
1929	18		7	7	53	53	21
1930	13		6	5	38	38	21
1931	8		4	4	29	29	21
1932	6		3	3	28	28	21
1933	7	7	4	4	35 ³	35	25 ⁴
1934	8	7	4	4	65	48	35 ⁴
1935	9	8	4	4	74	64	35
1936	9	9	5	5	78	45	35
1937	13	13	5	5	78	45	35
1938	10	10	5	5	65 ³	43	35
1939	11	11	5	5	68	39	35

Table 18—continued

Year	Copper ¹		Lead	Zinc	Silver ¹		Gold
	D.	F.			D.	F.	
1940	11	11	5	6	71 ⁵	35	35
1941	12	11	6	7	71 ⁵	35	35
1942	12 ⁶	12	6 ⁷	8 ⁸	71 ⁵	38 ⁹	35
1943	12 ⁶	12	7 ⁷	8 ⁸	71 ⁵	45 ⁹	35
1944	12 ⁶	12	7 ⁷	8 ⁸	71 ⁵	45 ⁹	35
1945	12 ⁶	12	6 ⁷	8 ⁸	72 ⁵	52 ⁹	35
1946	14 ⁶	15	8 ⁷	9 ⁸	79 ³	80 ⁹	35
1947	21	22	15	11	91	72	35
1948	22	22	18	14	91	74	35
1949	19	19	15	12	91	72	35
1950	21	22	13	14	91	74	35
1951	24 ^{1 0}	26	18 ^{1 0}	18 ^{1 0}	91	89	35
1952	24 ^{1 0}	32	16 ^{1 0}	16 ^{1 0}	91	85	35
1953	29 ^{1 0}	31	13 ^{1 0}	11 ^{1 0}	91	85	35
1954	30	30	14	11	91	85	35
1955	37	39	15	12	91	89	35
1956	42	40	16	13	91	91	35
1957	30	27	15	11	91	91	35
1958	26	24	12	10	91	89	35
1959	31	29	12	11	91	91	35
1960	32	30	12	13	91	91	35
1961	30	28	11	12	91 ^{1 1}	92 ^{1 1}	35
1962	31	29	10	12	91	109	35
1963	31	28	11	12	103	128 ^{1 2}	35
1964	32	31	14	14	103	129	35
1965	35	36	16	15	102	129 ^{1 3}	35
1966	36	50	15	15	129	129	35
1967	38	47	14	14	127	155 ^{1 2}	35
1968	49	50	13	14	214	214	35 ¹
1969	48	62	15	15	164	179	35
1970	58	63	16	15	177	176	35
1971	48	50	14	16	154		41 ^{1 5}
1972	51	49	15	16	165		40 ^{1 6}
1973	59 ^{1 7, 1 8}	81	16 ^{1 7}	21 ^{1 7, 1 8}	256		98

Source: Engineering and Mining Journal, Metals Week quotations.

*Copper prices = cents/pound; lead prices = cents/pound N. Y.; zinc prices = cents/pound E. St. Louis; silver domestic prices = cents/troy ounce; silver foreign prices = cents/troy ounce London; gold prices = dollars/troy ounce.

(Table 18 continued on page 36)

Table 18. Summary of prices for five major nonferrous metals, 1881-1973—continued

- ¹ D = Domestic, F = Foreign.
- ² Reflects purchases by U. S. Treasury under Pittman Act to replace silver sold to Great Britain. Act established price of silver at \$1.00 per troy ounce effective 4/23/18. Actual purchases took place from May 1920 to July 1923.
- ³ Purchased by U. S. Mints and Assay Offices in accordance with price set by Executive Proclamations. For summary of this series of acts see Annual Report of Director of Mines for Fiscal Year 1946.
- ⁴ Reflects adjustment in price for domestic producers of gold to compensate for increased prices in other countries. Price finally established at \$35.00 per troy ounce by Secretary of the Treasury on 1/30/34.
- ⁵ Price set by OPA Emergency Price Control Act 1/30/42 and retroactive under Executive Order 8734 to 1940. Price controls terminated by Executive Proclamation 11/9/46.
- ⁶ Price set at 12 cents per pound by Office of Price Administration (OPA) for copper delivered to Connecticut Valley. Price advanced to 14 3/8 cents per pound 6/3/46 until termination of OPA.
- ⁷ Price set at 6½ cents per pound by OPA for lead delivered to New York 1/13/42. Advanced to 8¼ cents per pound 6/3/46, until termination of OPA.
- ⁸ Price set at 8¼ cents per pound by OPA on zinc delivered to East St. Louis 1/29/42. Advanced to 9¼ cents per pound 10/14/46, until termination of OPA.
- ⁹ Price set by OPA at 35.375 cents per troy ounce 8/10/42. Advanced to 45 cents per troy ounce 9/1/42 and to 71 cents 9/21/45. Finally advanced to 90½ cents per troy ounce 8/1/46 and decontrolled 11/1/46.
- ¹⁰ Reflects government freeze on prices in response to Korean Conflict. Ceilings lifted to 19 cents per pound on lead and 19½ cents per pound on zinc 10/2/51. All ceilings removed in February 1953.
- ¹¹ On 11/28/61 the federal government ended sales at price set by Act of Congress 8/11/46.
- ¹² Reflects end of government policy of backing \$1 and \$2 bills with silver. Price advanced to \$1.30 per troy ounce and maintained by the Treasury at that level until 7/17/67. At that time Treasury went to free market price and finally to highest bidder sales.
- ¹³ On 7/28/65 a law was passed providing alloyed coinage. Half dollars were switched to a 40% Ag, 6% Cu alloy and quarter and dimes became a Cu, Ni alloy.
- ¹⁴ On 3/19/68 the nation's entire stock of gold was released to back the dollar in foreign exchange. Caused a two-price gold market; countries in gold pool maintained price at \$35 per troy ounce, otherwise free market gold is several dollars per ounce more.
- ¹⁵ Gold prices rose throughout the year because of a variety of factors, including international monetary uncertainties, war in Southeast Asia, and balance of payments problems.
- ¹⁶ Reflects President's agreement to devalue the dollar in December 1972. Price of U. S. government gold raised to \$38 per troy ounce.
- ¹⁷ Zinc prices soared; copper reached 74 cents per pound in April 1973. Free market gold up to \$91 per troy ounce. Dollar devaluation legislation passed with an amendment allowing U. S. citizens to own gold. In December 1973 price controls were lifted on 40 nonferrous metals including aluminum (up 16%), copper (up 13.3%), lead, platinum, tin, and zinc. Scrap metal price controls were also lifted.
- ¹⁸ Zinc prices continued to climb and production dropped. Copper consumption slackened; companies imposed a reduction in number of orders accepted.

Table 19. Average prices for five major nonferrous metals, 1964-1973, monthly

Year	January	February	March	April	May	June	July	August	September	October	November	December
Copper (domestic—cents/pound)												
1964	31	31	31	32	32	32	32	32	32	34	34	34
1965	34	34	34	34	35	36	36	36	36	36	36	—
1966	36	36	36	36	36	36	36	36	36	—	—	36
1967	38	38	38	38	38	38	38	39	41	41	41	41
1968	41	41	41	42	42	42	42	42	42	42	42	42
1969	43	44	44	45	45	46	46	48	51	52	52	52
1970	56	56	56	60	60	60	60	60	60	59	56	53
1971	52	50	51	53	53	52	51	53	53	53	52	50
1972	50	51	53	53	53	53	51	51	51	51	51	51
1973	52	55	60	60	60	60	60	60	60	60	60	66
Copper (foreign—cents/pound)												
1964	29	29	29	30	30	30	30	31	33	34	34	34
1965	33	33	33	33	36	36	36	36	36	38	39	—
1966	42	43	44	43	55	57	58	49	47	—	—	50
1967	50	50	47	43	43	44	43	45	45	47	54	54
1968	55	63	59	50	46	49	42	42	42	42	42	42
1969	44	44	45	45	46	46	46	48	52	52	53	53
1970	56	56	80	79	73	66	62	60	60	59	56	53
1971	51	47	52	57	51	49	51	50	48	47	46	47
1972	49	50	53	51	52	52	47	47	48	46	46	46
1973	51	56	68	72	70	79	92	95	88	94	103	101
Lead (cents/pound N. Y.)												
1964	13	13	13	13	13	13	13	13	14	15	15	16
1965	16	16	16	16	16	16	16	16	16	16	16	16
1966	16	16	16	16	15	15	15	15	15	—	—	14
1967	14	14	14	14	14	14	14	14	14	14	14	14
1968	14	14	14	14	13	13	13	13	13	13	13	13
1969	13	14	14	14	15	15	15	16	16	16	16	16
1970	17	17	17	17	17	17	16	15	15	15	15	14
1971	14	14	14	14	14	14	14	14	14	14	14	14
1972	14	15	16	16	16	16	16	15	15	15	15	15
1973	15	15	16	16	16	17	17	17	17	17	17	18
Zinc (cents/pound E. St. Louis)												
1964	13	13	13	13	14	14	14	14	14	15	15	15
1965	14	15	15	15	15	15	15	15	15	15	15	—
1966	15	15	15	15	15	15	15	15	15	—	—	15
1967	15	15	15	15	14	14	14	14	14	14	14	14
1968	14	14	14	14	14	14	14	14	14	14	14	14
1969	14	14	14	14	15	15	15	15	15	16	16	16
1970	16	16	16	16	16	16	16	15	15	15	15	15
1971	15	15	15	16	16	16	17	17	17	17	17	17
1972	17	17	17	18	18	18	18	18	18	18	18	18
1973	19	19	20	20	20	20	20	20	20	20	20	27
Silver (cents/troy ounce N. Y.)												
1964	129	129	129	129	129	129	129	129	129	129	129	129
1965	129	129	129	129	129	129	—	129	129	129	129	—
1966	129	129	129	129	129	129	129	129	129	—	—	129
1967	129	129	129	129	130	130	159	175	168	179	207	207
1968	199	185	218	220	238	246	231	219	221	197	202	196
1969	198	184	183	178	176	165	162	161	179	187	192	181
1970	188	190	189	185	167	164	169	180	180	175	161	163
1971	164	154	167	173	167	161	158	159	142	134	132	139
1972	147	150	153	157	158	157	174	185	178	181	183	198
1973	202	224	231	221	240	262	271	264	268	289	286	314

Table 19. Average prices for five major nonferrous metals, 1964-1973, monthly—continued

Year	January	February	March	April	May	June	July	August	September	October	November	December
Silver (pence/troy ounce London)												
1964	112	112	112	112	112	112	112	112	112	112	112	112
1965	112	112	112	112	112	111	112	112	111	111	111	—
1966	111	111	112	112	112	112	112	112	112	—	—	112
1967	112	112	112	112	119	145	151	151	146	154	209	209
1968	208	199	225	225	243	249	237	222	224	200	204	199
1969	201	187	185	181	179	166	164	¹	180	187	193	181
1970	186	189	188	184	168	164	169	180	182	176	166	164
1971	163	66	69	71	69	66	65	61	57	53	53	55
1972	57	58	58	60	61	61	70	75	73	75	78	83
1973	85	91	92	88	93	100	111	108	109	117	118	133
Gold (dollars/troy ounce free market)												
1964	35	35	35	35	35	35	35	35	35	35	35	35
1965	35	35	35	35	35	35	35	35	35	35	35	35
1966	35	35	35	35	35	35	35	35	35	35	35	35
1967	35	35	35	35	35	35	35	35	35	35	35	35
1968	35	35	37	38	41	41	40	39	40	39	40	41
1969	43	43	44	44	44	42	42	¹	41	41	38	36
1970	35	35	36	36	36	36	36	36	37	38	38	38
1971	39	39	39	39	41	41	41	43	42	43	43	44
1972	46	49	49	49	55	63	66	67	66	65	63	64
1973	66	75	85	91	102	120	120	107	103	100	96	107

Source: Engineering Mining Journal.

¹ Information withheld.

Table 20. Average prices in U. S. dollars for other commodities, monthly

Part I. Other metals, ores and concentrates

Year-month	Antimony ¹	Beryl ²	Beryllium ³	Iron ⁴	Manganese ⁵		Molybdenum ⁶		Tungsten ⁷	
					Ore	Concentrate	Ore	H-red powder	Ore	Concentrate
1972										
June	\$ 7.75- 9.00	\$30-35	\$54-66	\$.28	\$.63- .68	\$.33	\$1.52-1.71	\$4.00	\$55	\$4.50
July	7.75- 9.00	30-35	54-66	.28	.63- .68	.33	1.52-1.71	4.00	55	4.50
August	7.30- 8.30	30-35	54-66	.28	.63- .68	.33	1.52-1.71	4.00	55	4.50
September	7.30- 8.30	30-35	54-66	.28	.63- .68	.33	1.52-1.71	4.00	55	4.50
October	8.00- 9.00	30-35	54-66	.28	.63- .68	.33	1.52-1.71	4.00	55	4.50
November	8.00- 9.00	30-35	54-66	.28	.63- .68	.33	1.52-1.71	4.00	55	4.50
December	8.50- 9.50	30-35	54-66	.29	.63- .68	.33	1.52-1.71	4.00	55	4.50
1973										
January	8.50- 9.50	30-35	54-66	.29	.63- .68	.33	1.52-1.71	4.00	55	4.50
February	8.50- 9.50	30-35	54-66	.29	.63- .68	.33	1.52-1.71	4.00	55	4.50
March	10.00-11.00	30-35	54-66	.29	.63- .68	.33	1.52-1.71	4.00	55	4.50
April	10.00-11.00	30-35	54-66	.29	.63- .68	.33	1.52-1.71	4.00	55	4.50
May	10.00-11.00	30-35	54-66	.29	.63- .68	.33	1.52-1.71	4.00	55	4.50
June	10.00-11.00	30-35	54-66	.29	.68- .75	.33	1.40-1.65	4.00	55	4.50
July	10.00-11.00	30-35	54-66	.29	.75- .85	.33	1.40-1.65	4.00	55	4.50
August	10.00-11.00	30-35	54-66	.29	.75- .85	.33	1.40-1.65	4.00	55	4.50
September	10.00-11.00	30-35	54-66	.29	.75- .85	.33	1.40-1.65	4.00	55	4.50
October	10.00-11.00	30-35	—	.30	.75- .85	.33	1.40-1.65	4.00	55	4.50
November	10.00-11.00	30-35	—	.30	.85- .95	.33	1.40-1.65	4.00	44	4.50
December	10.00-11.00	30-35	102	.30	1.05-1.15	.33	1.40-1.65	4.00	44	4.50

¹ Lump; Mtu (metric ton unit) 60%.² Short ton units; BeO 10-12%; imported (ore).³ FOB ship. pt.; price per pound dependent on lot size (rod, 5 inch).⁴ Long ton units; pellets-taconite.⁵ Ore long ton units, 48% (low impurity). Concentrate per pound 99.9%.⁶ Ore per pound FOB ship. pt. producer. H-red powder FOB ship. pt.⁷ Ore short ton units; 65% scheelite. Concentrate per pound 98.8% delivered in 1,000 pound lots.

Part II. Nonmetallic minerals

Year-month	Fluorspar ⁸	Phosphate rock ⁹	Potash ¹⁰	Silica ¹¹	Sulphur ¹²
1972					
June	\$68.50	\$8.15- 9.20	\$.33-.35	\$26-27	\$39-40
July	68.50	8.15- 9.20	.33-.35	26-27	39-40
August	68.50	8.15- 9.20	.33-.35	26-27	39-40
September	68.50	8.15- 9.20	.33-.35	26-27	26-25
October	68.50	8.15- 9.20	.33-.35	26-27	26-25
November	68.50	8.15- 9.20	.33-.35	26-27	26-25
December	68.50	8.15- 9.20	.33-.35	26-27	26-25
1973					
January	68.50	8.15- 9.20	.33-.35	26-27	26-25
February	68.50	8.15- 9.20	.33-.35	26-27	26-25
March	68.50	8.15- 9.20	.33-.35	26-27	26-25
April	68.50	8.15- 9.20	.33-.35	26-27	26-25
May	68.50	8.15- 9.20	.33-.35	26-27	26-25
June	65.50	8.15- 9.20	.33-.35	27-28	25-26
July	65.50	8.15- 9.20	.33-.35	27-28	25-26
August	65.50	8.15- 9.20	.33-.35	27-28	25-26
September	65.50	8.15- 9.20	.33-.35	27-28	25-26
October	65.50	8.15- 9.20	.44	27-28	25-26
November	65.50	8.15- 9.20	.44	27-28	25-26
December	65.50	11.75-13.75	—	27-28	25-26

Source: Engineering and Mining Journal, Monthly Metals Week quotations.

⁸ Net ton; metallurgical pellets, 70%.⁹ 70-75% short ton units, FOB mine.¹⁰ 62%; standard Carlsbad.¹¹ 50 pound bags; short ton units through 200 mesh, FOB Illinois; 90-99%.¹² U. S. producers; long ton units; dark to bright.

Table 20. Average prices in U. S. dollars for other commodities, monthly—continued

Part III. Petroleum products					
Year-month	Price/barrel		Wages/hour		Gas/MCF
	Crude oil	Refined products	Crude oil	All mfg. industries	
1952	\$2.53				\$0.8
1953	2.68				0.9
1954	2.78				0.10
1955	2.77				0.10
1956	2.79				0.11
1957	3.09	\$4.24	\$2.47	\$2.05	0.11
1958	3.01	3.89	2.54	2.11	0.12
1959	2.90	3.87	2.65	2.19	0.13
1960	2.88	3.84	2.69	2.26	0.14
1961	2.89	3.87	2.80	2.32	0.15
1962	2.90	3.79	2.83	2.39	0.16
1963	2.89	3.79	2.93	2.46	.16
1964	2.88	3.71	2.95	2.53	0.15
1965	2.86	3.83	3.03	2.61	.16
1966	2.88	3.84	3.13	2.72	.16
1967	2.91	3.92	3.25	2.83	0.16
1968	2.94	3.84	3.38	2.94	0.16
1969	3.09	3.89	3.59	3.19	0.17
1970	3.18	4.16	3.89	3.36	0.17
1971	3.39	4.43	4.16	3.57	0.18
July	3.40	4.47	4.19	3.57	
August	3.40	4.45	4.17	3.56	
September	3.40	4.43	4.24	3.60	
October	3.40	4.35	4.18	3.60	
November	3.40	4.33	4.19	3.60	
December	3.40	4.33	4.24	3.69	
1972					
January	3.40	4.36	4.47	3.71	
February	3.40	4.37	4.45	3.72	
March	3.40	4.33	4.43	3.74	
April	3.40	4.36	4.54	3.77	
May	3.40	4.37	4.42	3.79	
June	3.40	4.39	4.44	3.79	
July	3.40	4.42	4.49	3.78	
August	3.40	4.45	4.40	3.80	
September	3.40	4.46	4.46	3.85	
October	3.40	4.45	4.48	4.48	
November	3.40	4.44	4.45	3.89	
December	3.40	4.45	4.49	3.95	
1973					
January	3.40	4.53	4.61	3.98	
February	3.40	4.72	4.65	3.97	
March	3.41	4.82	4.61	3.98	
April	3.47	5.05	4.60	4.01	
May	3.62	5.21	4.64	4.02	
June	3.78	5.45	4.66	4.04	
July	3.79	5.49	4.77	4.06	
August	3.85	5.48	4.64	4.06	
September	4.02	5.64	4.84	4.13	
October	4.02	6.25	4.72	4.14	
November	4.02	6.25	—	4.15	
December	4.52	6.92	4.76	4.21	

Sources: Petroleum Independent; Bi-Monthly; IPAA (National Averages); American Gas Association Department of Statistics.

Table 21. Values of Utah's mineral production, 1905-1973

Year	All minerals	All minerals, except gold, silver, copper, lead, and zinc
1905	\$ 28,477,790	\$ 2,430,842
1906	34,998,856	3,579,491
1907	38,099,756	6,406,845
1908	26,422,121	2,980,841
1909	35,279,510	3,899,418
1910	39,233,716	7,034,531
1911	43,774,331	6,936,874
1912	51,004,942	8,082,640
1913	53,606,520	8,748,310
1914	45,636,198	8,484,605
1915	62,586,261	7,481,191
1916	99,734,209	10,465,525
1917	113,433,596	14,105,441
1918	105,785,474	19,737,877
1919	64,165,525	18,996,197
1920	76,536,657	26,792,323
1921	40,595,872	18,572,082
1922	60,697,116	20,272,917
1923	86,221,000	19,748,089
1924	84,356,626	18,128,989
1925	100,275,442	17,574,048
1926	98,985,218	16,322,334
1927	90,388,455	16,761,823
1928	97,381,148	18,122,244
1929	115,131,131	19,145,924
1930	64,224,307	15,570,843
1931	40,301,788	11,330,814
1932	22,620,230	8,221,637
1933	24,179,771	7,855,402
1934	32,527,119	9,551,585
1935	41,933,136	10,281,565
1936	61,209,302	12,372,946
1937	105,652,422	17,754,873
1938	59,236,355	15,490,453
1939	80,127,521	17,401,970
1940	104,392,989	17,807,490
1941	122,386,873	24,590,250
1942	147,073,924	33,521,076
1943	164,150,000	39,587,460
1944	149,558,000	38,521,753
1945	127,961,000	37,942,354
1946	95,506,000	35,303,373
1947	206,015,000	47,390,151
1948	204,459,000	54,695,326
1949	177,825,000	56,175,172
1950	229,966,000	70,551,000
1951	257,145,000	74,248,000
1952	265,676,000	79,896,000
1953	298,589,000	103,300,000
1954	255,550,000	91,883,000
1955	332,002,000	111,373,000
1956	399,759,000	139,066,000
1957	359,335,000	175,095,000
1958	367,232,000	233,551,000
1959	374,544,000	257,400,000
1960	432,712,000	257,075,000
1961	416,789,000	255,240,000
1962	410,590,000	245,431,000

Table 21—continued

Year	All minerals	All minerals, except gold, silver, copper, lead, and zinc
1963	385,423,000	226,134,000
1964	411,449,000	246,270,000
1965	439,148,000	213,606,000
1966	448,878,000	201,306,000
1967 ¹	354,477,000	183,373,000
1968	423,951,000	187,917,000
1969	542,489,000	209,268,000
1970	601,997,000	210,386,000
1971	525,700,000	209,467,000
1972 ²	542,809,000	218,680,000
1973 ²	644,325,000	280,739,000

Source: USBM Minerals Yearbooks.

¹ Revised figures not available.² Preliminary USBM figures.

Table 22. Cumulative values of Utah's mineral industry production, 1938-1972

Year	All minerals ¹	All minerals except gold, silver, copper, lead, and zinc ²
1938	\$ 2,500,412,361	\$ 450,457,901
1939	2,580,539,882	467,859,871
1940	2,684,932,871	485,667,361
1941	2,807,319,744	510,257,611
1942	2,954,393,668	543,778,687
1943	2,118,543,668	583,366,147
1944	3,268,101,668	621,887,900
1945	3,396,062,668	659,830,259
1946	3,491,568,668	695,133,632
1947	3,697,583,668	742,523,783
1948	3,902,042,668	797,221,106
1949	4,079,867,668	853,394,278
1950	4,309,834,000	923,945,000
1951	4,566,979,000	998,193,000
1952	4,832,655,000	1,078,089,000
1953	5,131,244,000	1,181,389,000
1954	5,386,794,000	1,273,272,000
1955	5,718,796,000	1,384,645,000
1956	6,118,555,000	1,523,711,000
1957	6,477,890,000	1,698,806,000
1958	6,845,122,000	1,932,357,000
1959	7,219,666,000	2,189,757,000
1960	7,652,378,000	2,446,832,000
1961	8,069,167,000	2,702,072,000
1962	8,479,757,000	2,947,503,000
1963	8,865,180,000	3,173,637,000
1964	9,276,629,000	3,419,907,000
1965	9,715,777,000	3,633,513,000
1966	10,164,655,000	3,834,819,000
1967	10,519,132,000	3,880,168,000
1968	10,943,083,000	4,068,085,000
1969	11,485,572,000	4,277,353,000
1970	12,087,569,000	4,487,739,000
1971	12,613,269,000	4,697,206,000
1972 ³	13,156,078,000	

Source: USBM Minerals Yearbooks.

¹ Gold, silver, copper, lead, and zinc values to 1905 totaled \$334,504,085 resulting in total mineral value prior to 1905 of \$355,720,461.

² Includes values for coal, salt, gypsum, asphalt, prior to 1905 of \$21,216,376. Some tonnage of iron ore, etc., were reported without value figures, but no attempt has been made to include these values, since they were comparatively small.

³ Preliminary figures.

Table 23. Values of Utah's nonmetallic mineral production, 1940-1970

Year	Value produced
1940	\$ 4,322,000
1950	12,872,000
1960	29,060,000
1961	41,578,000
1962	48,099,000
1963	37,747,000
1964	40,536,000
1965	43,223,000
1966	47,923,000
1967 ¹	42,705,000
1968	42,130,000
1969	52,167,000
1970	41,547,000

Source: USBM Minerals Yearbooks.

¹ Revised figures not given.

Table 24. Total cumulative production of Utah's major nonferrous metals, 1938-1973
[reported in thousands of units]

Year	Copper		Lead		Zinc		Gold		Silver		Total value, five metals
	Tons	Value	Short tons	Value	Short tons	Value	Ounces	Value	Ounces	Value	
1938	2,976	\$ 888,361	3,945	\$425,851	669	\$ 80,427	8,068	\$182,622	646,974	\$472,693	\$2,049,954
1939	3,148	924,114	4,013	432,209	704	84,018	8,346	192,343	657,732	479,996	2,112,680
1940	3,380	976,516	4,088	439,777	748	89,535	8,702	204,786	669,905	488,652	2,199,266
1941	3,647	1,039,489	4,158	447,712	790	95,843	9,058	217,263	681,300	498,755	2,297,062
1942	3,953	1,113,709	4,230	457,350	835	104,314	9,450	230,967	691,875	504,275	2,410,615
1943	4,277	1,197,946	4,295	467,139	882	114,443	9,840	244,634	701,354	511,016	2,535,178
1944	4,560	1,274,241	4,348	475,542	921	123,334	10,184	256,681	708,948	516,416	2,646,214
1945	4,786	1,335,362	4,388	482,563	955	131,069	10,464	266,481	715,054	520,758	2,736,232
1946	4,900	1,372,390	4,419	489,258	983	137,972	10,643	272,729	719,173	524,086	2,796,435
1947	5,167	1,484,334	4,469	503,571	1,027	148,541	11,065	287,487	726,953	531,127	2,955,060
1948	5,394	1,582,855	4,525	523,601	1,068	159,577	11,433	300,382	734,998	538,408	3,104,822
1949	5,591	1,660,570	4,578	540,371	1,109	169,663	11,747	311,374	741,723	544,494	3,226,473
1950	5,870	1,776,480	4,623	522,455	1,141	178,660	12,205	327,389	748,807	550,906	3,385,889
1951	6,141	1,907,686	4,673	569,911	1,175	191,151	12,637	342,516	756,117	557,522	3,568,786
1952	6,424	2,044,606	4,723	586,078	1,208	202,090	13,072	357,759	763,311	564,033	3,754,566
1953	6,693	2,199,297	4,765	596,957	1,237	208,802	13,556	374,679	770,037	570,120	3,949,855
1954	6,905	2,324,280	4,810	609,280	1,271	216,153	13,959	388,798	776,216	575,713	4,114,223
1955	7,138	2,498,060	4,860	624,314	1,315	226,867	14,400	404,240	782,467	581,370	4,334,851
1956	7,389	2,711,073	4,910	639,874	1,357	238,478	14,816	418,801	789,039	587,318	4,595,545
1957	7,627	2,854,263	4,954	652,593	1,398	247,954	15,195	432,047	795,237	592,928	4,779,785
1958	7,816	2,953,774	4,995	662,036	1,443	257,130	15,503	442,821	800,515	597,705	4,913,466
1959	7,967	3,047,580	5,031	670,652	1,478	265,178	15,743	451,231	804,255	601,090	5,035,731
1960	8,179	3,182,616	5,071	679,680	1,513	274,384	16,110	464,093	809,032	605,414	5,206,187
1961	8,392	3,310,736	5,111	688,104	1,551	282,949	16,453	476,098	813,830	609,849	5,367,736
1962	8,610	3,445,035	5,150	695,133	1,585	290,841	16,765	487,015	818,458	614,871	5,532,895
1963	8,813	3,570,142	5,195	704,859	1,621	299,162	17,051	497,022	823,249	620,999	5,692,184
1964	9,013	3,700,273	5,235	715,404	1,653	307,710	17,339	507,091	827,801	626,885	5,857,363
1965	9,272	3,883,743	5,273	727,166	1,680	315,812	17,765	522,012	833,437	634,172	6,082,905
1966	9,537	4,075,721	5,337	746,551	1,718	326,636	18,204	537,368	841,192	644,200	6,330,476
1967	9,706	4,204,636	5,390	761,619	1,752	336,119	18,492	547,460	846,067	651,756	6,501,580
1968	9,934	4,395,653	5,436	773,564	1,785	345,070	18,827	560,589	851,188	662,738	6,737,614
1969	10,231	4,677,719	5,477	785,877	1,820	355,261	19,260	578,579	857,142	673,399	7,070,835
1970	10,527	5,019,001	5,522	800,052	1,855	365,889	19,668	593,427	863,172	684,072	7,462,447
1971	10,790	5,292,990	5,561	810,614	1,880	374,165	20,037	608,648	868,466	692,257	7,778,680
1972 ¹	11,050	5,558,725	5,581	816,838	1,902	381,923	20,400	629,885	911,466	699,502	7,778,988
1973 ¹	11,312	5,871,076	5,595	821,237	1,919	388,627	20,719	660,579	915,205	708,940	8,450,459

Source: USBM Minerals Yearbooks.

¹ Preliminary figures.

Table 25. Cumulative production totals of five major nonferrous metals, by district

Location and value	Year	Copper (short tons)	Lead (short tons)	Zinc (short tons)	Gold (fine ounces)	Silver (fine ounces)	Total value
West Mountain (Bingham Utah) Value	1865-1961	8,143,941 \$3,229,180,211	2,005,518 \$303,483,654	798,746 \$145,358,028	11,304,442 \$352,357,644	208,607,464 \$158,579,687	\$4,188,959,224
Park City District—Utah (Park City Region) Value	1870-1961	41,670 \$ 14,116,591	1,338,217 \$167,231,574	488,879 \$ 84,117,804	817,886 \$ 22,913,979	250,369,604 \$181,822,668	\$ 470,202,616
Tintic District—Utah (In both Juab and Utah Counties) Value	1869-1961	123,814 \$ 38,864,117	987,931 \$123,941,527	73,314 \$ 16,709,467	2,648,789 \$ 61,465,719	268,527,236 \$191,084,391	\$ 432,065,221
Ophir and Rush Valley Districts, (Tooele County, Utah) Value	1870-1961	23,318 \$ 7,607,075	361,972 \$ 47,672,206	18,276 \$ 11,858,361	101,958 \$ 2,763,591	50,121,171 \$ 22,739,051	\$ 92,640,284
San Francisco District, (Beaver County, Utah) Value	1870-1961	22,687 \$ 7,530,694	201,790 \$ 16,223,554	21,736 \$ 3,342,476	38,818 \$ 885,458	19,134,253 \$ 13,601,697	\$ 41,583,879
Big and Little Cottonwood Districts, Utah Value	1867-1961	8,780 \$ 3,158,367	124,479 \$ 15,416,077	4,923 \$ 1,123,520	30,510 \$ 670,209	17,315,840 \$ 16,819,242	\$ 37,187,415
Camp Floyd, ¹ (Mercur) District, (Tooele County, Utah) Value	1871-1950	400 ² \$ 87	2 \$ 644	1,500 ² \$ 199	1,115,764 \$ 25,826,856	224,402 \$ 181,735	\$ 26,009,521
American Fork District, Utah County, Utah Value	1870-1961	1,224 \$ 268,843	18,198 \$ 2,203,532	2,771 \$ 550,840	45,023 \$ 1,021,086	2,390,721 \$ 2,348,022	\$ 6,392,323
Gold Mountain District, Piute County, Utah Value	1892-1961	400 ² \$ 93	58 ² \$ 2	— —	156,843 \$ 3,511,266	521,496 \$ 316,677	\$ 3,827,998
Clifton District (Gold Hill) Tooele County, Utah Value	1892-1961	1,734 \$ 840,024	5,471 \$ 774,852	15 \$ 2,726	25,865 \$ 570,082	832,345 \$ 690,400	\$ 2,878,084
Drum (Detroit) District, ³ Juab and Millard Counties, Utah Value	1904-1961	285 \$ 75,184	3 \$ 683	— —	4,858 \$ 155,177	23,193 \$ 15,348	\$ 246,391
Dugway District, ⁴ Tooele County, Utah Value	1916-1961	37 \$ 16,044	1,452 \$ 274,285	1,455 \$ 283,918	145 \$ 4,901	28,848 \$ 22,421	\$ 601,569

Table 25. Cumulative production totals of five major nonferrous metals, by district—continued

Location and value	Year	Copper (short tons)	Lead (short tons)	Zinc (short tons)	Gold (fine ounces)	Silver (fine ounces)	Total value
Fish Springs District Juab County, Utah	1891-1961	6,905 ¹	8,923	2,800 ¹	491	2,718,762	
Value		\$ 1,050	\$ 791,693	\$ 394	\$ 10,413	\$ 1,821,089	\$ 2,624,639
Silver Reef District, Washington County, Utah	1875-1961	5,337	22		664	7,499,153	
Value		\$ 1,554,379	\$ 2,314		\$ 14,162 ⁵	\$ 8,208,432	\$ 9,779,288
Tutsagubet District, Washington County, Utah	1887-1961	7,767	474	69	54	183,653	
Value		\$ 2,551,928	\$ 136,948	\$ 2,914	\$ 1,865	\$ 126,397	\$ 2,820,052
Lucin District, Box Elder County, Utah	1870-1961	9,059	2,783	23	246	261,324	
Value		\$ 3,047,512	\$ 353,238	\$ 53,962	\$ 5,296	\$ 288,941	\$ 3,748,949
Promontory District, Box Elder County, Utah	1907-1961	3,878 ²	909	3,273	3	893	
Value		\$ 614	\$ 137,938	\$ 811,033	\$ 105	\$ 631	\$ 950,321

Source: Butler, B. S. and others, USGS Professional Paper 111 and others.

¹ No production since 1950.² Reported in pounds.³ Early figures not available. Organized in 1872; abandoned until 1879; reopened in 1904.⁴ Early production figures not available. Organized in 1872.⁵ Must be vein or flour deposits. No gold was produced by or contained in the Silver Reef deposits.

Table 26. Production of Utah's major nonferrous metals, 1865-1973
[values reported in thousands of dollars]

Year	Copper		Lead		Zinc		Gold		Silver		Total value, five metals
	Production in tons	Value	Production in tons	Value	Production in tons	Value	Production in ounces	Value	Production in ounces	Value	
1865							2,700	\$ 56	450	\$ 1	\$ 56
1866							4,100	85	800	1	86
1867							4,670	97	812	1	98
1868							8,000	165	1,600	2	167
1869							9,068	187	1,750	2	190
1870	50	\$ 21	4,167	\$ 500			14,512	300	473,182	628	1,450
1871	195	94	5,000	608			11,063	229	1,709,811	2,266	3,196
1872	300	213	11,785	1,485			8,500	176	2,981,521	3,942	5,816
1873	436	245	15,000	1,896			2,536	52	3,157,435	3,726	5,919
1874	187	82	20,000	2,440			13,608	281	2,904	3,630	6,434
1875	358	163	19,000	2,204			8,793	182	2,383,809	2,956	5,504
1876	474	199	25,000	3,050			8,820	182	4,436,982	5,147	8,578
1877	321	122	24,194	2,661			17,323	358	4,359,733	5,232	8,373
1878	382	127	21,627	1,557			13,394	277	4,132,313	4,752	6,713
1879	129	48	14,370	1,178			15,730	325	3,665,600	4,105	5,657
1880	43	18	15,214	1,521			8,020	166	3,663,183	4,213	5,918
1881	193	71	23,978	2,301			6,982	144	4,958,345	5,603	8,119
1882	303	116	29,937	2,934			9,039	187	5,435,444	6,196	9,433
1883	171	56	33,330	2,866			6,772	140	4,388,541	4,915	7,978
1884	133	35	30,432	2,252			5,805	120	5,263,157	5,842	8,249
1885	63	14	25,659	2,001			8,707	180	5,232,557	5,599	7,794
1886	1,204	267	24,228	2,336			10,449	216	5,030,958	4,981	7,800
1887	1,250	345	22,838	2,061			10,643	220	5,414,185	5,306	7,932
1888	1,065	358	22,284	1,961			14,029	290	6,178,855	5,089	7,698
1889	1,030	278	31,180	2,432			24,187	500	7,005,193	6,580	9,790
1890	503	157	34,123	3,072			32,895	680	8,000,000	8,400	12,309
1891	781	200	43,360	3,729			31,444	650	8,750,000	8,663	13,241
1892	1,105	256	45,553	1,644			31,936	660	8,490,000	7,047	11,608
1893	568	123	35,043	2,593			41,293	854	7,196,300	5,613	9,183
1894	574	109	23,190	1,531			41,991	868	5,891,901	3,712	6,219
1895	1,092	234	31,305	2,004			66,419	1,373	7,468,100	4,854	8,465
1896	1,751	378	35,578	2,135			91,906	1,900	8,827,600	6,003	10,416
1897	1,960	470	40,537	2,919			83,500	1,726	6,265,000	3,759	8,874
1898	1,875	465	39,299	2,987			110,556	2,285	6,485,900	3,827	9,564

Table 26. Production of Utah's major nonferrous metals, 1865-1973—continued

Year	Copper		Lead		Zinc		Gold		Silver		Total value, five metals
	Production in tons	Value	Production in tons	Value	Production in tons	Value	Production in ounces	Value	Production in ounces	Value	
1899	4,792	1,639	29,987	2,699			166,933	3,451	7,093,300	4,256	12,045
1900	9,177	3,047	48,044	4,228			192,155	3,972	9,267,600	5,746	16,993
1901	10,058	3,360	49,870	4,289			178,513	3,690	10,760,800	6,456	17,795
1902	11,970	2,921	53,914	4,421			174,547	3,608	11,842,015	6,177	17,126
1903	16,424	4,543	50,371	4,312			210,144	4,344	12,204,011	6,518	19,717
1904	23,209	5,802	58,240	5,096	37	\$ 17	202,675	4,189	12,049,446	6,898	22,003
1905	28,649	8,938	51,941	4,882	1,665	419	248,692	5,141	11,036,471	6,666	26,047
1906	28,297	10,923	62,671	7,145	3,237	395	252,439	5,218	11,550,634	7,739	31,419
1907	32,128	12,851	57,969	6,145	2,726	322	247,760	5,122	10,990,076	7,253	31,693
1908	43,422	11,463	44,389	3,729	730	69	179,055	3,701	8,451,338	4,479	23,441
1909	54,474	14,163	74,243	6,385	4,930	532	203,492	4,207	11,717,172	6,093	31,380
1910	63,799	16,597	61,662	5,426	8,184	884	195,052	4,032	10,466,971	5,652	32,199
1911	73,480	18,370	68,248	6,142	8,920	1,017	227,217	4,697	12,473,787	6,611	36,837
1912	68,654	22,656	70,156	6,314	8,534	1,178	206,361	4,266	13,835,903	8,509	42,922
1913	80,723	25,024	83,063	7,310	9,429	1,056	172,468	3,565	13,084,835	7,903	44,858
1914	76,017	20,221	85,662	6,682	7,995	815	157,961	3,265	11,154,916	6,169	37,152
1915	93,836	32,842	99,984	9,398	12,146	3,012	174,591	3,609	12,313,205	6,243	55,105
1916	120,138	59,108	100,745	13,903	14,786	3,963	172,938	3,575	13,253,037	8,720	89,269
1917	123,337	67,342	89,261	15,353	10,643	2,171	162,306	3,355	13,479,133	11,107	99,328
1918	113,585	56,111	83,504	11,858	9,200	1,674	142,666	2,949	13,455,597	13,456	86,048
1919	62,031	23,075	61,915	6,563	2,216	323	104,464	2,159	11,649,961	13,048	45,169
1920	58,466	21,515	70,419	11,267	4,079	661	97,454	2,015	13,106,976	14,287	49,744
1921	15,446	3,985	44,594	4,013	35	3	85,619	1,770	12,251,998	12,252	22,024
1922	48,497	13,194	67,766	7,443	2,560	292	111,110	2,297	17,271,100	17,271	40,424
1923	111,197	32,692	101,724	14,241	5,670	771	148,825	3,076	19,137,470	15,693	66,473
1924	121,069	31,720	166,956	18,713	9,281	1,207	146,487	3,028	17,253,692	11,560	66,228
1925	118,243	33,581	153,335	26,680	26,306	3,998	177,803	3,676	21,276,689	14,766	82,701
1926	128,732	36,045	147,635	23,622	47,590	7,138	182,763	3,778	19,358,581	12,080	82,663
1927	128,467	33,658	151,285	19,068	49,593	6,348	193,909	4,008	18,606,950	10,550	73,627
1928	147,618	42,226	145,915	16,926	46,929	5,725	212,560	4,394	17,072,852	9,988	79,259
1929	159,141	56,018	149,377	18,822	51,510	6,799	240,420	4,970	17,592,396	3,377	95,985
1930	90,263	23,468	115,275	11,549	44,495	4,272	208,455	4,309	13,129,421	5,055	48,653
1931	75,618	13,763	79,212	5,862	37,296	2,834	198,740	4,108	8,290,966	2,404	28,971

Table 26. Production of Utah's major nonferrous metals, 1865-1973—continued

Year	Copper		Lead		Zinc		Gold		Silver		Total value, five metals
	Production in tons	Value	Production in tons	Value	Production in tons	Value	Production in ounces	Value	Production in ounces	Value	
1932	32,482	4,093	62,776	3,767	29,666	1,780	135,256	2,796	6,962,097	1,963	14,399
1933	36,792	4,709	58,688	4,343	25,245	2,499	109,130	2,789	5,669,197	1,984	16,324
1934	43,012	6,882	58,077	4,298	28,198	2,425	136,582	4,774	7,111,417	4,597	22,976
1935	64,758	10,750	63,510	5,081	31,107	2,737	184,760	6,467	9,206,329	6,617	31,652
1936	126,217	23,224	69,886	6,430	36,192	3,619	223,444	7,821	9,997,645	7,743	48,836
1937	205,994	49,851	89,458	10,556	48,001	6,240	322,759	11,297	12,869,117	9,954	87,898
1938	108,126	21,193	65,657	6,040	33,658	3,231	200,630	7,022	9,682,732	6,260	43,746
1939	171,890	35,753	67,634	6,358	34,526	3,591	277,751	9,721	10,758,677	7,303	62,726
1940	231,864	52,401	75,688	7,569	43,788	5,517	355,494	12,442	12,172,299	8,656	86,585
1941	266,838	62,974	69,601	7,935	42,049	6,307	356,501	12,478	11,395,485	8,103	97,797
1942	306,691	74,219	71,930	9,639	45,543	8,471	391,544	13,704	10,574,955	7,520	113,553
1943	323,989	84,237	65,257	9,789	46,896	10,130	390,470	13,666	9,479,340	6,741	124,563
1944	282,575	76,295	52,519	8,403	38,994	8,891	344,223	12,048	7,593,075	5,400	111,036
1945	226,376	61,122	40,817	7,021	33,630	7,735	279,979	9,799	6,106,545	4,342	90,019
1946	114,284	37,028	30,711	6,695	28,292	6,903	178,533	6,249	4,118,453	3,328	60,203
1947	266,533	111,944	49,698	14,313	43,673	10,569	421,962	14,758	7,780,032	7,041	158,625
1948	227,007	98,521	55,950	20,030	41,490	11,036	368,422	12,895	8,045,329	7,281	149,764
1949	197,245	77,715	53,072	16,771	40,670	10,086	314,058	10,992	6,724,880	6,086	121,650
1950	278,639	115,910	44,753	12,083	31,678	8,997	457,551	16,014	7,083,808	6,411	159,415
1951	271,086	131,206	50,451	17,456	34,317	12,491	432,216	15,128	7,310,665	6,617	182,897
1952	282,894	136,921	50,210	16,168	32,947	10,938	435,507	15,243	7,194,109	6,511	185,780
1953	269,496	154,691	41,522	10,879	29,184	6,712	483,430	16,920	6,725,807	6,087	195,289
1954	211,835	124,983	44,972	12,322	34,031	7,351	403,401	14,119	6,179,243	5,593	164,367
1955	232,949	173,780	50,452	15,035	43,556	10,715	441,206	15,442	6,250,565	5,757	220,629
1956	250,604	213,013	49,555	15,560	42,374	11,610	416,031	14,561	6,572,041	5,948	260,693
1957	237,857	143,190	44,471	12,719	40,846	9,476	378,438	13,245	6,198,464	5,610	184,240
1958	188,184	99,511	40,355	9,443	44,982	9,176	307,824	10,774	5,278,000	4,777	133,681
1959	144,715	88,855	36,630	8,425	35,223	8,101	239,517	8,383	3,734,000	3,380	117,144
1960	218,049	139,987	39,398	9,219	35,476	9,153	368,255	12,889	4,783,000	4,329	175,577
1961	213,534	128,120	40,894	8,424	37,239	8,565	342,988	12,005	4,798,000	4,435	161,549
1962	218,018	134,299	38,199	7,029	34,313	7,892	311,924	10,917	4,628,000	5,022	165,159
1963	203,095	125,107	45,028	9,726	36,179	8,321	285,907	10,007	4,791,000	6,128	159,289
1964	199,588	130,131	40,249	10,545	31,428	8,548	287,674	10,069	4,552,000	5,886	165,179
1965	259,138	183,470	37,700	11,762	27,747	8,102	426,299	14,921	5,636,000	7,287	225,542
1966	265,383	191,978	64,124	19,385	37,323	10,824	438,736	15,356	7,755,000	10,028	247,571

Table 26. Production of Utah's major nonferrous metals, 1865-1973--continued

Year	Copper		Lead		Zinc		Gold		Silver		Total value, five metals
	Production in tons	Value	Production in tons	Value	Production in tons	Value	Production in ounces	Value	Production in ounces	Value	
1967	168,609	128,905	53,813	15,068	34,251	9,483	288,350	10,093	4,875,000	7,556	171,104
1968	228,245	191,027	45,205	11,945	33,153	8,951	334,419	13,129	5,121,000	10,982	236,034
1969	296,699	282,066	41,332	12,313	34,902	10,191	433,385	17,990	5,954,000	10,661	333,221
1970	295,738	341,282	45,377	14,175	34,688	10,628	408,029	14,848	6,030,000	10,678	391,612
1971	263,451	273,989	38,270	10,562	25,701	8,276	368,996	15,221	5,294,000	8,185	316,233
1972 ¹	267,870	259,507	20,706	6,224	21,853	7,758	362,413	21,237	4,300,000	7,245	308,199
1973 ¹	262,480	312,351	13,495	4,399	16,710	6,704	319,160	30,694	3,739,000	9,438	363,586

Source: USBM Minerals Yearbooks.

¹ Preliminary figures.

Table 27. Yearly production of five major nonferrous metals in Utah, by district, 1960-1972

County	Mining district	Copper (pounds)	Lead (pounds)	Zinc (pounds)	Gold (troy ounces)	Silver (troy ounces)
1960						
Beaver	Lincoln	34,300	700	170,300	42	2,033
	Rocky	900	2,400	500	1	198
	San Francisco	2,200	19,200	20,200	12	864
	Star and North Star	1,800	23,700	27,700	3	1,542
Juab	Mount Nebo	200	26,600	28,500	—	775
	Tintic (Juab and Utah Counties)	78,600	467,600	188,500	1,589	54,093
	Not identified	—	900	900	—	6
Millard	Detroit (Dream Mountain)	300	—	—	2	14
	Gordon	—	500	8,100	—	9
	(Dog Valley Mountain)	—	500	8,100	—	9
Morgan	No district	—	7,700	600	—	102
Piute	Mt. Baldy	8,800	14,300	66,400	60	3,759
	Ohio	—	700	300	2	112
Salt Lake	Big Cottonwood	400	14,800	700	19	205
	Little Cottonwood	125,500	2,030,600	1,692,200	62	56,354
	West Mountain (Bingham)	434,118,800	54,875,200	39,635,900	360,483	3,717,964
	Mill and smelter cleanup	114,600	1,030,800	5,906,400	275	22,304
San Juan	White Canyon	739,500	1,300	8,700	12	4,010
Summit	Uintah	400,100	11,433,200	15,165,800	2,254	751,330
Tooele	Clifton	100	5,600	400	1	376
	Dugway	—	2,800	800	—	31
	Ophir	7,100	75,200	48,900	5	3,538
	Rush Valley	1,300	20,600	3,800	3	698
	Mill and smelter cleanup	6,400	31,000	122,300	1	853
Wasatch	Blue Ledge	312,800	8,710,300	7,850,100	3,429	161,776
Washington	Tutsagubet	143,800	200	4,000	—	5
Wayne	Not identified	500	100	—	—	9
1961						
Beaver	Lincoln	105,200	—	440,100	150	8,048
	Star and North Star	3,000	24,200	29,500	4	4,027
Box Elder	Clear Creek	—	100	—	—	31
	Lucin	—	20,900	46,600	1	484
Juab	Tintic (Juab and Utah Counties)	15,900	85,600	30,100	128	9,928
Millard	Gordon (Dog Valley Mountain)	—	800	85,100	—	50
Piute	Mt. Baldy	12,600	121,000	476,400	405	16,102
	Ohio	—	1,300	1,200	1	219
	Not identified	—	—	—	1	1
Salt Lake	Little Cottonwood	364,500	2,568,500	2,175,900	97	162,430
	West Mountain (Bingham)	424,289,100	56,556,500	40,984,700	333,401	3,565,620

Table 27. Yearly production of five major nonferrous metals in Utah, by district, 1960-1972—continued

County	Mining district	Copper (pounds)	Lead (pounds)	Zinc (pounds)	Gold (troy ounces)	Silver (troy ounces)
1961						
	Mill and smelter cleanup	105,200	1,437,500	7,924,800	57	17,230
San Juan	White Canyon	965,300	400	2,100	—	4,892
Summit	Uintah	187,400	963,700	1,198,000	868	198,812
Tooele	Bluebell	—	2,300	700	—	104
	Lakeside	—	5,700	200	—	34
	Ophir	229,500	2,345,400	1,531,600	99	109,372
	Rush Valley	—	7,600	700	—	183
	Mill and smelter cleanup	8,400	61,700	171,800	2	1,401
Utah	American Fork Tintic (see Juab County)	—	8,100	2,100	—	130
Wasatch	Blue Ledge	628,800	17,576,200	19,375,100	7,774	698,016
Washington	Tutsagubet	153,100	500	1,300	—	469
1962						
Beaver	Lincoln	55,500	—	177,900	107	3,425
	Rocky	109,300	—	—	23	5,880
	Star and North Star	800	4,400	4,300	1	1,240
Box Elder	Clear Creek	—	100	—	—	21
Emery	Woodside ¹	200	—	—	—	2
Millard	Gordon (Dog Valley Mountain)	—	—	26,300	—	44
Piute	Gold Mountain	—	—	—	1	1
	Mt. Baldy	4,900	97,800	113,800	63	8,776
	Ohio	300	—	—	8	288
Salt Lake	Little Cottonwood	71,400	683,200	536,500	20	31,498
	West Mountain (Bingham)	433,774,200	57,038,900	41,114,900	307,892	3,571,561
	Mill and smelter cleanup	73,600	1,165,600	7,195,800	63	14,459
San Juan	White Canyon	872,400	—	3,500	—	3,901
Sanpete	No district	—	1,400	2,100	—	29
Summit	Uintah	454,400	10,791,900	13,566,000	2,363	689,532
Tooele	Bluebell	—	900	—	—	11
	Dugway	100	200	—	—	2
	Ophir	507,000	4,772,900	3,283,300	132	223,536
	Rush Valley	—	2,900	2,700	1	164
	Mill and smelter cleanup	11,300	82,000	263,900	12	1,750
Wasatch	Blue Ledge	89,100	1,755,800	2,334,900	1,238	72,234
Washington	Tutsagubet	11,500	—	100	—	92

Table 27. Yearly production of five major nonferrous metals in Utah, by district, 1960-1972—continued

County	Mining district	Copper (pounds)	Lead (pounds)	Zinc (pounds)	Gold (troy ounces)	Silver (troy ounces)
1963						
Beaver	Lincoln	—	—	—	2	320
	Rocky	1,796,100	—	—	124	62,040
	San Francisco	500	13,400	5,200	2	577
	Star and North Star	700	4,400	3,800	1	974
	Not identified	700	7,800	500	—	1,296
Box Elder	Lucin	100	21,600	1,800	2	699
Juab	Tintic (Juab and Utah Counties)	14,300	3,170,900	492,100	80	83,693
Millard	Gordon (Dog Valley Mountain)	—	3,700	400	—	46
Salt Lake	Little Cottonwood	64,600	547,700	378,500	26	30,024
	West Mountain (Bingham)	401,260,300	59,899,200	38,605,900	264,239	3,314,505
	Mill and smelter cleanup	38,500	791,600	4,023,800	13	7,398
San Juan	Blanding	7,200	—	—	—	40
	White Canyon	1,366,600	—	8,900	—	7,177
Summit	Uintah	345,100	11,210,900	13,754,600	2,735	727,003
Tooele	Bluebell	—	5,300	200	—	174
	Ophir	479,600	5,068,000	3,565,500	139	243,903
	Rush Valley	—	15,300	300	1	267
	Mill and smelter cleanup	11,900	85,500	283,400	5	1,599
Utah	American Fork Tintic (<i>see</i> Juab County)	—	300	200	—	15
Wasatch	Blue Ledge	799,900	9,210,200	11,232,600	18,538	302,872
Washington	Harrisburg	3,900	200	300	—	5,889
1964						
Beaver	Rocky	6,176,800	300	—	738	176,698
	San Francisco	700	43,200	10,200	12	1,361
	Not identified	100	6,100	4,100	2	295
Juab	Tintic (Juab and Utah Counties)	30,100	1,700,800	526,500	346	61,909
Millard	Gordon (Dog Valley Mountain)	1,100	4,400	4,300	3	428
Piute	Mt. Baldy	10,000	557,700	1,009,300	544	33,662
	Ohio	100	200	100	1	102
Salt Lake	Little Cottonwood	68,100	459,300	211,900	27	32,250
	West Mountain (Bingham)	389,904,500	52,305,300	31,878,200	251,600	3,099,224
	Mill and smelter cleanup	19,300	859,900	4,738,900	8	8,479
San Juan	White Canyon	931,900	—	—	—	4,524
Summit	Uintah	259,100	10,337,600	11,608,300	1,620	466,685
Tooele	Ophir	422,700	4,522,900	2,994,600	118	219,797

Table 27. Yearly production of five major nonferrous metals in Utah, by district, 1960-1972—continued

County	Mining district	Copper (pounds)	Lead (pounds)	Zinc (pounds)	Gold (troy ounces)	Silver (troy ounces)
1964						
	Rush Valley Mill and smelter cleanup	—	6,900	100	—	99
		10,400	71,000	261,100	2	930
Wasatch	Blue Ledge	1,323,000	9,622,400	9,606,200	32,653	441,767
Washington	Harrisburg	18,100	—	2,200	—	3,750
1965						
Beaver	Rocky	3,712,900	—	—	474	115,400
	San Francisco	2,300	140,400	32,500	32	5,867
	Lincoln	600	15,400	22,500	2	44
	Beaver Lake	5,800	—	—	1	408
Iron	Stateline	600	—	—	2	2,748
Juab	Tintic (Juab and Utah Counties)	11,100	7,059,000	2,943,100	126	348,140
Millard	Unknown	—	1,700	15,700	—	67
Piute	Mt. Baldy	6,700	763,100	1,658,700	1,190	47,617
Salt Lake	West Mountain (Bingham)	511,580,700	42,425,500	24,071,100	378,990	3,819,248
	Big and Little Cottonwood	294,800	352,500	146,400	48	44,951
	Unknown	700	5,400	300	2	282
	Mill and smelter cleanup	12,400	426,700	2,290,600	2	3,922
San Juan	White Canyon	548,300	—	—	—	628
Sanpete	Unknown	—	6,100	18,100	—	44
Summit	Uintah	396,600	10,286,400	13,155,500	2,586	611,397
Tooele	Rush Valley	300	17,900	12,300	7	1,030
	Silver Islet	—	600	200	—	25
	Mill and smelter cleanup	8,900	84,100	234,800	13	2,444
	Ophir	344,200	4,299,500	3,057,800	110	194,482
	Unknown	—	2,200	300	5	46
Wasatch	Blue Ledge	1,348,100	9,513,500	7,697,400	42,714	436,578
1966						
Beaver	Rocky	5,690,500	—	—	665	163,986
	San Francisco	200	11,300	7,300	13	3,571
	Lincoln	200	4,900	9,500	2	183
	Beaver Lake	300	4,200	3,700	1	382
Iron	Stateline	18,100	60,000	—	77	118,414
Juab	Tintic (Juab and Utah Counties)	44,400	45,795,500	14,474,200	548	1,964,537
Millard	Unknown	—	400	600	—	2
Piute	Mt. Baldy	21,100	945,500	2,045,900	886	58,067

Table 27. Yearly production of five major nonferrous metals in Utah, by district, 1960-1972—continued

County	Mining district	Copper (pounds)	Lead (pounds)	Zinc (pounds)	Gold (troy ounces)	Silver (troy ounces)
1966						
Salt Lake	Big and Little Cottonwood	80,200	536,800	737,400	30	39,815
	Unknown	3,600	9,000	200	3	92
	West Mountain (Bingham)	520,474,900	50,649,500	28,422,800	372,726	3,962,359
San Juan	White Canyon	430,100	—	—	—	—
	Bluff	1,800	—	—	—	18
	Unknown	910,700	—	—	—	974
Sanpete	Unknown	—	2,200	8,600	—	16
Summit	Uintah	313,900	11,173,700	13,245,100	2,024	504,765
Tooele	Rush Valley	200	11,900	6,000	3	756
	Bluebell	—	8,400	300	—	184
	Mill and smelter cleanup	11,700	78,300	269,800	3	1,259
	Ophir	526,300	6,034,100	4,087,200	157	268,924
Wasatch	Blue Ledge	1,849,500	12,538,600	9,316,600	61,595	663,883
1967						
Beaver	San Francisco	200	33,500	6,800	3	1,907
	Rocky	4,647,900	—	—	439	123,700
	Unknown	15,600	—	—	10	634
Juab	Tintic (Juab and Utah Counties)	78,700	29,771,100	16,148,900	560	922,908
Piute	Mt. Baldy	12,200	573,400	1,000,300	522	36,032
Salt Lake	West Mountain (Bingham)	329,171,600	49,961,900	25,460,000	220,430	2,670,747
	Little Cottonwood	10,200	444,900	509,700	6	12,371
	Mill and smelter cleanup	5,800	262,600	1,517,400	3	2,909
San Juan	White Canyon	831,500	—	—	—	—
	Bluff	2,200	—	—	—	8
	Unknown	197,000	—	—	—	596
Summit	Uintah	173,900	8,319,500	9,875,300	1,234	310,449
Tooele	Rush Valley	1,000	34,900	36,000	4	1,361
	Ophir	350,800	6,817,400	4,218,400	149	234,200
	Mill and smelter cleanup	4,300	29,300	100,900	1	438
Wasatch	Blue Ledge	1,713,500	11,347,500	9,628,300	64,988	552,699
Washington	Harrisburg	1,600	—	—	—	3,680
1968						
Beaver	San Francisco	600	43,700	16,400	4	2,867
	Rocky	3,571,400	4,000	600	—	—
	Not identified	29,400	6,000	2,200	27	1,439
Juab	Tintic (Juab and Utah Counties)	69,400	18,927,300	19,291,300	708	743,298
Piute	Mt. Baldy	29,700	600,700	997,800	287	57,932

Table 27. Yearly production of five major nonferrous metals in Utah, by district, 1960-1972—continued

County	Mining district	Copper (pounds)	Lead (pounds)	Zinc (pounds)	Gold (troy ounces)	Silver (troy ounces)
1968						
Salt Lake	West Mountain (Bingham)	448,346,800	46,707,200	24,533,200	272,390	3,246,437
San Juan	La Sal	1,315,700	—	—	—	—
	White Canyon	732,500	—	—	—	—
Sevier	Redmond	—	500	8,200	—	17
Summit	Uintah	202,000	9,561,200	10,973,800	1,807	337,603
Tooele	Rush Valley	6,500	191,400	87,100	62	10,155
	Ophir	242,800	4,925,500	3,100,800	102	156,485
	Unknown	100	8,800	2,600	1	349
	Free coinage	—	5,400	2,100	—	160
	Mill and smelter cleanup	12,100	66,700	238,000	2	1,106
Wasatch	Blue Ledge	1,927,300	9,361,600	7,051,900	59,028	543,600
Washington	Harrisburg	3,700	—	—	1	9,351
1969						
Beaver	San Francisco	100	24,400	13,900	4	834
Garfield	Circle Cliffs	20,600	—	—	—	9
Juab	Tintic (Juab and Utah Counties)	115,000	15,052,000	17,787,300	1,696	1,173,812
Piute	Mt. Baldy	86,400	1,708,900	2,811,700	637	159,304
Salt Lake	West Mountain (Bingham)	589,447,600	39,272,600	25,200,400	377,294	3,911,844
San Juan	La Sal	874,800	—	—	—	—
	White Canyon	256,100	—	—	—	—
Sevier	Unknown	—	—	200	7	593
Summit	Uintah	247,400	10,120,900	13,682,600	1,093	389,614
Tooele	Rush Valley	3,300	75,500	65,300	25	3,292
	Ophir	258,100	4,198,000	2,749,600	89	156,456
	Unknown	1,400	22,700	15,600	3	576
	Dugway	600	4,700	3,700	3	476
	Mill and smelter cleanup	16,800	99,900	345,700	3	1,553
Wasatch	Blue Ledge	2,069,800	12,215,600	7,128,000	52,531	698,149
1970						
Beaver	San Francisco	1,429,200	—	—	—	—
Garfield	Circle Cliffs	20,100	—	—	—	19
Juab	Tintic (Juab and Utah Counties)	19,700	31,870,600	27,889,500	2,312	1,291,764
Piute	Mt. Baldy	—	1,863,500	2,890,800	362	165,676
Salt Lake	West Mountain (Bingham)	586,321,200	37,237,300	21,429,400	353,691	3,553,127

Table 27. Yearly production of five major nonferrous metals in Utah, by district, 1960-1972—continued

County	Mining district	Copper (pounds)	Lead (pounds)	Zinc (pounds)	Gold (troy ounces)	Silver (troy ounces)
1970						
San Juan	White Canyon	605,800	—	—	—	—
Summit	Uintah	169,100	6,577,800	8,775,000	718	318,991
Tooele	Ophir	254,800	2,526,300	1,650,900	70	124,026
	Rush Valley	8,300	215,300	260,900	52	9,436
	Mill and smelter cleanup	2,500	38,800	24,100	5	1,004
Wasatch	Blue Ledge	2,104,500	10,423,400	6,453,100	50,819	561,212
Wayne	Unknown	65,400	—	—	—	33
1971						
Beaver	San Francisco	4,936,523	—	—	—	—
Juab	Tintic (Juab and Utah Counties)	—	768,042	202,624	848	67,860
Piute	Mt. Baldy	—	1,797,064	2,706,973	529	114,518
Salt Lake	West Mountain (Bingham)	510,521,354	39,685,427	25,997,451	299,936	3,150,608
San Juan	White Canyon	7,905,000	—	—	—	—
Summit	Uintah	—	—	—	149	71,382
Tooele	Ophir	430,937	4,602,915	3,462,472	200	192,057
Wasatch	Blue Ledge	2,976,234	11,300,362	8,168,401	58,699	657,548
1972						
Beaver	San Francisco	5,157,607	—	—	—	—
Juab	Tintic (Juab and Utah Counties)	101,214	45,263,797	57,276,023	425	1,249,954
Salt Lake	West Mountain (Bingham)	502,880,896	—	—	314,101	2,661,453
Tooele	Ophir	25,903	176,654	130,753	—	9,291
Wasatch	Blue Ledge	2,992,521	7,192,796	4,407,959	46,578	623,649

Source: USBM commodities summaries, nonclassified data.

Table 28. Monthly production of major nonferrous metals in Utah, 1947-1973¹ [reported in short tons]

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total	Revised total
Copper														
1947	22,486	21,801	24,302	23,472	25,142	23,677	23,487	23,632	23,146	16,471	16,156	22,761	266,533	
1948	22,388	22,023	23,105	23,430	24,150	23,435	22,837	24,006	22,931	18,231	312	159	227,007	
1949	120	7,650	20,730	20,200	18,380	18,110	17,545	18,455	17,265	17,910	20,320	20,560	197,245	
1950	22,859	21,409	23,804	22,450	23,609	21,489	23,239	26,850	24,009	20,654	24,304	23,954	278,630	
1951	22,408	20,863	23,343	23,123	24,063	23,483	23,108	20,083	21,873	23,746	22,340	22,653	271,086	
1952	21,935	21,660	22,405	23,635	25,265	24,500	24,615	24,784	23,850	24,900	21,995	22,350	282,894	
1953	22,215	20,755	23,020	22,520	23,467	22,580	22,335	23,553	21,800	23,720	21,728	21,803	269,496	
1954	21,964	18,921	18,841	16,510	16,951	19,156	19,134	9,024	16,990	15,346	19,073	19,925	211,835	
1955	21,567	20,200	23,394	21,782	23,521	22,587	140	9,893	22,066	23,095	21,353	23,351	232,949	
1956	22,379	20,628	21,583	21,175	21,494	21,002	19,455	20,979	19,650	21,438	19,917	20,904	250,604	
1957	19,817	18,820	20,047	19,570	20,249	20,348	20,229	16,701	19,619	22,300	19,900	20,257	237,857	
1958	16,108	16,348	17,646	15,418	13,679	12,006	13,118	7,226	16,307	18,944	19,300	19,300	185,400	189,184
1959	21,109	18,842	20,721	20,468	21,470	20,211	20,713	6,688	248	280	300	250	144,715	
1960	990	16,402	20,081	21,234	21,273	21,916	19,412	12,095	21,546	21,551	21,450	21,450	219,400	218,049
1961	20,896	16,279	17,772	19,209	21,217	19,206	18,566	3,112	14,207	20,646	21,000	19,000	211,110	213,534
1962	19,106	19,527	20,212	19,961	20,753	18,850	17,225	13,178	16,702	18,137	18,000	18,150	219,801	218,018
1963	16,476	14,970	18,318	18,742	17,518	14,779	9,380	19,351	18,106	18,500	18,500	18,500	203,140	203,095
1964	18,739	19,312	19,163	21,550	23,379	22,229	1,012	634	9,582	23,250	21,500	21,500	201,850	199,588
1965	21,668	19,753	23,845	23,781	23,033	21,658	20,721	22,187	20,672	22,911	20,450	20,450	261,030	259,138
1966	20,749	18,719	21,539	21,125	20,257	21,456	18,527	21,734	22,651	26,403	25,000	25,000	263,160	265,383
1967	24,565	23,502	28,075	26,350	25,376	26,024	12,275	361	400	572	450	450	168,400	168,609
1968	231	514	425	25,301	26,070	25,356	25,219	24,675	23,950	27,059	24,500	25,000	228,300	228,245
1969	20,352	20,461	22,972	25,772	25,275	25,914	25,488	25,902	25,500	28,664	26,400	26,500	299,200	296,694
1970	24,402	24,283	26,332	25,064	27,051	24,870	22,846	27,323	21,419	24,800	24,100	22,510	295,000	295,738
1971	23,358	21,046	23,697	23,534	25,182	26,013	5,178	24,990	23,584	26,324	20,465	20,080	263,451	263,451
1972	19,107	20,204	21,956	21,697	23,727	23,537	13,674	23,635	23,055	24,259	22,462	17,790	255,103 ²	259,507 ²
1973	18,311	20,542	22,810	23,104	22,475	22,958	20,692	22,667	21,216	23,861	20,185	19,039	257,860 ²	
Lead														
1947	3,726	3,787	4,081	4,468	5,026	4,528	3,289	4,042	4,106	4,198	4,101	4,346	49,698	
1948	4,132	4,321	4,666	4,820	4,617	5,114	4,401	4,830	4,585	4,630	4,890	4,944	55,950	
1949	3,480	3,080	5,510	5,630	5,640	5,385	3,555	3,680	4,260	3,720	4,350	4,782	53,072	
1950	3,943	3,851	4,592	4,618	5,051	5,035	1,561	1,486	2,981	3,056	3,807	4,772	44,753	
1951	3,919	4,528	4,883	5,049	5,329	4,978	3,719	2,643	3,684	3,813	3,847	4,059	50,451	
1952	3,850	4,920	4,465	4,670	5,225	4,970	2,970	3,840	3,610	3,705	3,535	4,450	50,210	
1953	3,690	3,850	4,190	4,295	3,495	3,860	2,140	3,060	3,550	3,540	2,330	3,522	41,522	
1954	3,154	4,108	4,441	3,805	3,203	3,663	2,736	3,600	3,482	3,487	4,395	4,898	44,972	
1955	4,145	3,744	4,466	3,642	3,790	4,331	3,788	3,981	4,546	4,744	4,595	4,680	50,452	
1956	3,598	4,110	3,869	3,533	4,337	4,630	4,353	3,391	4,234	4,373	4,485	4,651	49,555	
1957	3,876	3,927	4,016	3,901	3,861	3,775	2,457	4,106	3,418	3,843	3,494	3,797	44,471	
1958	3,299	3,071	3,896	3,608	3,708	3,263	2,910	2,911	3,460	3,100	2,800	3,000	39,026	40,355

Table 28. Monthly production of major nonferrous metals in Utah, 1947-1973—continued

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total	Revised total
Lead														
1959	3,319	2,294	3,320	3,325	3,320	3,150	2,122	3,111	2,665	2,869	2,900	2,800	36,200	36,630
1960	3,132	3,357	3,252	3,657	3,082	3,190	2,082	3,561	2,975	3,012	3,050	3,050	37,400	39,398
1961	3,359	3,080	3,583	3,357	3,572	3,676	2,450	2,700	3,220	3,233	3,800	4,000	40,030	40,894
1962	3,450	3,304	3,477	3,324	3,365	3,205	1,849	3,625	2,994	3,207	3,300	3,300	38,401	38,199
1963	3,808	3,321	4,245	3,997	3,934	3,757	2,636	3,576	3,630	3,806	3,710	3,710	44,130	45,028
1964	3,440	3,539	3,392	3,196	3,476	3,040	2,315	3,298	3,304	3,100	3,500	3,500	39,100	40,249
1965	3,129	3,510	3,733	3,218	1,089	876	1,108	3,136	3,739	3,642	3,300	3,330	33,840	37,700
1966	3,679	3,468	5,719	4,211	4,377	4,426	4,592	5,817	5,948	5,823	5,400	5,400	58,860	64,124
1967	5,481	5,918	6,179	6,267	6,107	6,156	3,699	3,069	3,645	2,879	2,700	2,700	54,800	53,813
1968	2,491	2,835	2,696	3,083	4,150	4,309	4,549	5,164	4,990	4,408	4,300	4,300	47,275	45,205
1969	4,107	3,440	3,339	3,254	3,080	3,257	3,086	3,521	3,053	3,263	3,060	3,100	39,500	41,332
1970	3,899	3,971	3,667	3,640	3,795	3,870	3,661	4,067	3,582	3,600	3,200	3,000	43,952	45,377
1971	3,272	3,561	3,705	3,401	3,040	2,822	3,240	3,696	3,464	3,279	3,330	2,100	38,910	38,270
1972	2,090	1,536	1,865	1,677	1,924	1,783	1,910	1,862	1,711	1,515	1,309	1,520	20,702 ²	
1973	1,067	709	1,027	1,230	1,593	1,202	1,113	1,173	1,196	1,119	1,285	1,152	13,861 ²	
Zinc														
1947	3,542	3,487	3,866	4,319	4,404	4,349	3,119	3,492	3,176	3,282	3,112	3,525	43,673	
1948	3,241	3,113	3,522	3,743	3,396	3,697	2,924	3,470	3,535	3,276	3,705	3,868	41,490	
1949	3,005	2,570	4,515	4,610	4,125	4,210	2,445	2,505	2,995	2,760	3,270	3,660	40,670	
1950	2,926	2,947	3,356	3,408	3,461	3,346	1,339	1,046	2,161	2,036	2,635	3,017	31,678	
1951	2,616	2,995	3,390	3,226	3,386	3,050	2,405	1,916	2,661	2,640	2,850	3,182	34,317	
1952	2,850	3,450	3,250	3,200	3,370	3,210	1,800	2,264	2,200	2,400	2,173	2,780	32,947	
1953	2,650	2,533	2,850	2,785	2,600	2,719	1,730	2,080	2,503	2,500	1,780	2,454	29,184	
1954	2,356	2,841	3,123	3,014	2,593	2,686	2,236	2,509	2,634	3,003	3,429	3,607	34,031	
1955	3,402	3,063	3,764	3,457	3,391	3,942	3,672	3,726	3,569	3,969	3,829	3,772	43,556	
1956	3,079	3,311	3,388	3,239	3,668	3,718	3,473	2,942	3,754	3,943	3,886	3,973	42,374	42,374
1957	3,546	3,326	3,303	3,312	3,521	3,621	2,666	3,684	3,166	3,635	3,214	3,852	40,846	40,846
1958	3,818	3,508	4,339	3,823	3,734	3,614	3,240	3,039	3,699	3,256	3,160	3,170	42,400	44,982
1959	3,346	3,254	3,265	3,270	3,063	2,835	2,368	3,073	2,628	2,698	2,800	2,700	35,300	35,223
1960	2,847	2,913	3,037	2,739	3,042	3,135	2,015	2,890	2,799	2,883	2,900	2,900	34,100	35,476
1961	3,253	3,233	3,430	3,022	3,300	3,557	2,352	2,574	3,055	2,984	8,206	3,400	37,360	37,239
1962	3,188	3,136	3,309	2,946	2,966	2,970	1,804	3,166	2,633	2,982	3,000	3,000	35,100	34,313
1963	3,289	2,918	3,477	3,231	2,885	3,009	2,026	2,812	2,761	2,934	3,090	3,090	35,520	36,179
1964	2,788	2,760	3,043	2,615	2,611	2,510	1,832	2,867	2,874	2,700	2,700	2,700	32,000	31,428
1965	2,562	2,552	2,605	2,560	1,082	868	1,005	2,321	2,691	2,324	2,400	2,400	25,370	27,947
1966	2,585	2,758	3,592	2,929	2,673	2,391	2,602	3,050	3,325	3,525	3,350	3,350	36,130	37,323
1967	3,190	4,124	4,420	4,144	4,117	4,126	2,406	1,861	1,990	1,722	1,500	1,500	35,100	34,251
1968	1,808	1,670	1,571	1,928	2,926	3,262	3,818	4,164	3,880	3,573	3,500	3,500	35,600	33,153
1969	2,594	2,501	2,718	2,931	2,810	2,594	2,320	3,214	2,852	2,966	2,700	2,800	33,000	34,902
1970	3,168	2,807	2,901	3,509	3,984	4,227	3,502	2,764	2,225	2,500	2,400	2,700	36,687	34,688

Table 28. Monthly production of major nonferrous metals in Utah, 1947-1973—continued

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total	Revised total
Zinc														
1971	2,334	2,251	2,647	2,710	2,409	2,362	1,656	2,364	2,336	2,031	2,012	1,510	26,622	25,701
1972	1,469	1,642	1,918	1,812	2,062	2,001	2,249	2,144	2,089	1,937	1,681	1,775	22,779 ²	
1973	1,677	1,470	1,434	1,346	1,377	1,330	1,205	1,232	1,498	1,339	1,210	1,446	16,564 ²	

Source: USBM.

¹ No yearly summary of monthly production has appeared in the Minerals Yearbooks since 1957.

² Preliminary figures.

Table 29. Production of Kennecott Copper Corporation, Utah
Copper Division, 1905-1973

Year	Tons ore mined	Net pounds copper
1905	216,769	5,311,702
1906	231,123	5,121,029
1907	183,569	4,021,463
1908	2,422,064	54,051,211
1909	2,674,271	51,749,233
1910	4,340,245	84,502,475
1911	4,680,801	93,514,419
1912	5,315,321	91,366,337
1913	7,519,392	113,942,834
1914	6,470,166	115,690,445
1915	8,494,300	148,397,006
1916	10,994,000	187,531,824
1917	12,542,000	195,837,111
1918	12,160,700	188,092,405
1919	5,538,700	105,088,740
1920	5,556,800	101,897,758
1921	1,220,700	24,511,593
1922	4,364,251	84,777,712
1923	11,167,800	195,142,919
1925	12,538,300	214,162,139
1926	13,880,100	234,173,625
1927	13,811,500	233,002,661
1928	16,558,500	273,823,351
1929	17,724,100	296,625,554
1930	9,552,500	161,138,717
1931	8,147,764	142,694,917
1932	3,169,411	60,012,835
1933	3,521,425	69,462,784
1934	4,086,800	78,787,348
1935	6,529,800	118,466,057
1936	13,773,900	241,674,317
1937	23,119,800	402,461,055
1938	11,704,900	206,292,917
1939	19,310,200	330,310,250
1940	25,950,500	452,538,235
1941	30,090,400	525,064,848
1942	33,093,200	598,358,498
1943	35,375,800	639,484,093
1944	29,274,200	555,061,885
1945	23,361,000	444,800,637
1946	11,831,400	220,031,372
1947	28,539,300	526,847,062
1948	24,454,000	453,634,939
1949	20,922,300	394,667,367
1950	31,037,800	550,506,103
1951	30,444,800	540,185,438
1952	32,036,100	572,531,331
1953	29,922,200	541,549,262
1954	24,079,400	423,066,857
1955	27,740,600	461,675,423
1956	32,321,100	496,316,000
1957	30,919,900	470,270,000
1958	24,086,800	373,262,000
1959	19,673,100	284,705,000
1960	28,060,300	430,250,000
1961	27,839,700	421,211,000
1962	29,175,000	420,750,000

Table 29—continued

Year	Tons ore mined	Net pounds copper
1963	26,235,000	395,716,000
1964	24,456,400	393,041,000
1965	32,088,900	509,130,052
1966	33,513,622	514,252,521
1967	20,807,000	343,438,000
1968	28,450,262	440,378,000
1969	38,650,300	573,431,754
1970	40,147,500	579,587,292
1971	35,008,400	523,566,000
1972	34,951,700	519,706,380
1973 ¹		

Source: Kennecott Copper Corporation Annual Reports.

¹ Not available.

Table 30. Cumulative production of iron ore, coal, and salt, 1963-1973

Year	Tons	Value
Iron Ore		
1963	68,052,000	\$327,717,000
1964	70,134,000	341,946,000
1965	72,273,000	355,424,000
1966	74,229,000	368,902,000
1967	75,937,000	380,818,000
1968	77,701,000	392,099,000
1969	79,622,000	404,651,000
1970	81,612,000	418,488,000
1971	83,293,000	430,374,000
1972 ¹	85,081,000	442,260,000
1973 ¹	87,016,000	—
Coal		
1870-1962	272,845,000	\$ 936,618,000
1963	277,205,000	959,373,000
1964	286,917,000	992,557,000
1965	291,557,000	1,051,130,000
1966	296,187,000	1,077,892,000
1967	300,362,000	1,102,173,000
1968	304,178,000	1,127,066,000
1969	309,335,000	1,156,462,000
1970	314,068,000	1,190,934,000
1971	318,694,000	1,225,016,000
1972 ¹	323,496,000	1,267,884,000
1973 ¹	328,636,000	1,316,714,000
Salt		
1880-1962	6,865,000	\$39,073,000
1963	7,190,000	42,535,000
1964	7,561,000	46,383,000
1965	7,945,000	49,974,000
1966	8,372,000	53,744,000
1967	8,775,000	57,269,000
1968	9,180,000	61,025,000
1969	9,661,000	65,464,000
1970	10,027,000	69,102,000
1971	10,646,000	74,315,000
1972 ¹	11,233,000	79,438,000
1973 ¹	11,913,000	84,972,000

Source: USBM Minerals Yearbooks.

¹ Preliminary figures.

Table 31. Production and value for all other

	Native asphalt		Natural gas		Natural gasoline		Carbon dioxide		U ₃ O ₈	
Year	Tons	Value	MCF	Value	Bbbs.	Value	MCF	Value	Thousand pounds	Value

Part I. Fossil fuels and by-products¹

1870					
1871					
1872					
1873					
1874					
1875					
1876					
1877					
1878					
1879					
1880					
1881					
1882					
1883					
1884					
1885					
1886					
1887					
1888					
1889					
1890					
1891					
1892					
1893					
1894					
1895					
1896					
1897					
1898					
1899					
1900					
1901					
1902					
1903	5,619	\$	188,357		
1904	3,528		155,080		
1905	11,421		92,540		
1906	12,947		159,960		
1907	20,719		569,440		
1908	19,033		100,324		
1909	28,919		221,086		
1910	35,697		569,333		
1911	30,846		516,614		
1912	32,514		633,069		
1913	30,810		529,341		
1914	20,798		412,980	776	\$ 61,955
1915	21,709		281,002		
1916	26,874		633,440		10,000
1917	35,192		569,325		29,173
1918	31,072		663,258		63,000
1919	33,992		406,610	333	28,350
1920	63,522		659,176	1,491	104,033
1921	10,371		190,808	53	5,440
1922	29,704		623,207	338	92,141
1923	34,635		695,622		
1924	36,536		664,280		
1925	39,790		786,300		
1926	42,430		886,730	1,083	36,000

minerals and rock products in Utah

Year	Coal		Coal tar		Coke		Crude petroleum		Asphalt (oil)	
	Tons	Value ²	Gals.	Value	Tons	Value	Bbls.	Value	Tons	Value
Part I. Fossil fuels and by-products ¹										
1870	5,800									
1871	15,000									
1872	20,000									
1873	25,000									
1874	33,600									
1875	38,800									
1876	59,000									
1877	80,800									
1878	102,600									
1879	124,400									
1880	146,200									
1881	168,000									
1882	190,800									
1883	195,000									
1884	200,000									
1885	213,120									
1886	200,000	\$ 420								
1887	180,021	360								
1888	258,961	544								
1889	236,651	377								
1890	318,159	552								
1891	371,045	666								
1892	361,013	563								
1893	413,205	611								
1894	431,550	603								
1895	471,836	617								
1896	418,627	501								
1897	521,560	618								
1898	593,709	752								
1899	786,049	999								
1900	1,147,027	1,448								
1901	1,322,614	1,666								
1902	1,574,521	1,797								
1903	1,681,409	2,026								
1904	1,493,027	1,943								
1905	1,332,372	1,794	85,458	\$6,830						
1906	1,772,551	2,408								
1907	1,947,607	2,960								
1908	1,846,792	3,119								
1909	2,266,899	3,752								
1910	2,517,809	4,225								
1911	2,513,175	4,249								
1912	3,016,149	5,046								
1913	3,254,828	5,384								
1914	3,103,036	4,935								
1915	3,108,715	4,917								
1916	3,567,428	5,796								
1917	4,125,230	8,531								
1918	5,136,825	13,937								
1919	4,631,323	12,761								
1920	6,005,199	19,350								
1921	4,078,784	13,662								
1922	4,992,008	15,688			172,453	\$1,406,109				
1923	4,720,217	13,675			232,941	1,977,669				
1924	4,488,157	12,057			257,094				31,287	\$309,370
1925	4,690,342	11,991			314,159		4,000	\$	4,000	
1926	4,373,793	10,362			306,231		525		656	

Table 31. Production and value for all other

Year	Native asphalt		Natural gas		Natural gasoline		Carbon dioxide		U ₃ O ₈	
	Tons	Value	MCF	Value	Bbls.	Value	MCF	Value	Thousand pounds	Value
Part I. Fossil fuels and by-products ¹										
1927	42,940	993,570								
1928	57,447	1,195,451	1,105,000	\$ 22,000						
1929	65,541	1,479,832	693,000	205,000						
1930	47,635	965,587	393,000	123,000						
1931	32,892	685,712								
1932	25,980	527,516								
1933	28,029	577,716	48,000	2,000						
1934	30,399	603,374	182,000	43,000					76	2,825
1935	35,829	751,226	98,000	22,000						
1936	33,731	840,103	92,000	19,000						
1937	38,171	983,628	2,366,000	471,000	367,000	\$ 19,000				
1938	28,650	655,644	4,277,000	937,000	623,000	28,000			1,300	88,764
1939	37,364	1,059,034	4,854,000	1,033,000	500,000	26,000			2,237	
1940	32,000	776,171	5,124,000	1,063,000	722,000	28,000				
1941	36,476	856,966	5,562,000	1,145,000	808,000	45,000				
1942	40,078	912,163	5,163,000	1,079,000	775,000	39,000				
1943	76,987	1,390,485	4,464,000	962,000	666,000	35,000				
1944	49,062	919,354	6,223,000	1,535,000	924,000	50,000				
1945	83,123	1,414,422	6,562,000	332,000	867,000	52,000				
1946	96,974	1,615,368	4,252,000	213,000	578,000	35,000				
1947	84,165	1,746,974	6,040,000	324,000	685,000	47,000	183,000	\$73,000		
1948	52,122	1,391,000	6,610,000	397,000	14,000	61,000	156,000	62,000		
1949	51,462	1,303,584	6,126,000	368,000	10,000	36,000	94,000	38,000	153	
1950	66,186	1,774,330	3,950,000	237,000	252,000	20,000	104,334	42,000	539	
1951	65,521	1,895,374	3,733,000	246,000			97,436	10,000	462	
1952	60,740	1,779,815	3,006,000	225,000			84,500	10,000	553	
1953	60,505	2,184,328	7,075,000	807,000					1,483	
1954	75,943	2,724,023	16,024,000	2,259,000					2,430	
1955	82,822	3,117,310	17,163,000	2,386,000					2,219	9,454,114
1956	87,500	3,500,000	17,268,000	2,435,000					5,919	25,214,342
1957	207,704	4,259,000	16,824,000	2,473,000					7,511	32,542,617
1958	317,280	4,864,000	19,247,000	2,829,000	240,000	15,000	90,207	6,000	8,914	38,610,000
1959	379,362	9,385,000	38,921,000	5,527,000			69,625	5,000	8,600	37,310,000
1960	383,037	10,020,000	51,040,000	9,187,000			60,425	4,000	6,539	27,843,000
1961	470,000	14,500,000	57,175,000	8,976,000			78,136	5,000	6,160	25,734,000
1962			74,128,000	12,454,000			81,920	6,000	5,492	23,653,000
1963			77,122,000	14,036,000			100,895	7,000	5,526	23,852,000
1964			79,739,000	10,904,000			96,432	7,000	6,029	26,385,000
1965			71,616,000	8,952,000			86,201	6,000	2,160	9,014,000
1966			69,366,000	8,809,000			94,006	7,000	1,254	5,169,000
1967			48,965,000	6,463,000			65,664	5,000	1,287	10,300,000
1968			46,151,000	7,292,000			57,747	4,000	1,712	13,175,000
1969			46,733,000	7,197,000			64,839	5,000	1,140	6,824,000
1970			42,781,000	6,460,000			60,754	4,000	1,635	10,023,000
1971			42,418,000	7,084,000			55,178	4,000	1,445	8,959,000
1972 ³			39,474,000	6,711,000	458,000	1,406,000	61,103	4,000	1,638	9,425,000
1973 ³			45,192,000	8,812,000	450,000	1,530,000	60,000	4,000	—	—

Source: USBM Minerals Yearbooks.

¹ Figures not given are withheld by USBM at request of reporting firms.² Values for coal are reported in thousands of dollars.³ Preliminary figures.

minerals and rock products in Utah—continued

Year	Coal		Coal tar		Coke		Crude petroleum		Asphalt (oil)	
	Tons	Value ²	Gals.	Value	Tons	Value	Bbls.	Value	Tons	Value
Part I. Fossil fuels and by-products ¹										
1927	4,781,480	11,084			282,048					
1928	4,842,544	12,253			274,600					
1929	5,160,521	12,725			281,994					
1930	4,257,541	10,515			231,869					
1931	3,350,044	7,442								
1932	2,852,127	5,685			109,373					
1933	2,674,986	5,109			77,101					
1934	2,406,183	4,746			130,604		4,000	4,000		
1935	2,946,918	6,091			120,857		3,000	3,000		
1936	3,246,565	6,619			129,963		3,000	5,000		
1937	3,809,476	8,648			156,316					
1938	2,946,951	6,875			140,181					
1939	3,284,904	7,020			197,526		4,000	4,000		
1940	3,575,586	7,872			99,705	226,347	3,000	3,000		
1941	4,076,779	9,510			246,851		4,000	4,000		
1942	5,516,849	14,271			264,933					
1943	6,665,936	19,978			324,829					
1944	7,119,261	22,032			760,874					
1945	6,679,063	22,798			735,511					
1946	5,994,013	21,449			492,367					
1947	7,428,699	29,212								
1948	6,813,000	31,062					16,000	32,000		
1949	6,159,592	29,357					637,000	1,433,000		
1950	6,669,896	32,050					1,228,000	2,763,000		
1951	6,135,957	32,653					1,305,000	2,936,000		
1952	6,140,305	32,410					1,737,000	3,908,000		
1953	6,544,145	37,689					1,807,000	4,066,000		
1954	5,007,952	29,761					1,905,000	4,480,000		
1955	6,295,524	40,005					2,227,000	5,140,000		
1956	6,522,164	34,436					2,466,000	5,302,000		
1957	6,858,297	40,263					4,367,000	9,913,000		
1958	5,327,516	30,340					24,011,000	74,185,000		
1959	4,545,000	27,982					39,959,000	114,283,000		
1960	4,955,000	31,458					37,594,000	103,008,000		
1961	5,159,000	31,126					33,118,000	91,075,000		
1962	4,297,000	23,209					31,029,000	85,019,000		
1963	4,360,000	22,755					33,435,000	90,943,000		
1964	4,720,000	33,184					28,575,000	74,867,000		
1965	4,992,000	31,811					25,298,000	66,045,000		
1966	4,635,000	26,762					24,112,000	63,760,000		
1967	4,175,000	24,281					24,048,000	63,221,000		
1968	4,316,000	24,893					23,504,000	62,826,000		
1969	4,657,000	29,396					23,295,000	65,320,000		
1970	4,733,000	34,472					23,370,000	65,603,000		
1971	4,626,000	34,082					23,630,000	71,886,000		
1972 ³	4,802,000	42,868					26,570,000	80,773,000		
1973 ³	5,140,000	48,830					31,080,000	101,632,000		

Table 31. Production and value for all other

Year	Iron		Manganese ore		Manganiferous ore		Magnesite		Molybdenum	
	Tons	Value ²	Long tons	Value	Long tons	Value	Tons	Value	Pounds	Value
Part II. Metals ²										
1885	9,720									
1886										
1887										
1888										
1889										
1890										
1891	12,000									
1892	11,101									
1893										
1894										
1895										
1896										
1897										
1898										
1899										
1900										
1901										
1902										
1903										
1904										
1905										
1906			800	\$ 10,000						
1907										
1908	7,348									
1909	34,634									
1910	65,880	\$ 230								
1911	34,528	123								
1912	7,280	23								
1913	14,690	45								
1914										
1915					55					
1916	45,514		1,282	22,597					824	\$80
1917	48,058		4,195	118,927	136					
1918	52,722	168	5,100	140,038						
1919	44,185	177								
1920	36,159	151	66							
1921	60,773	157								
1922	15,018	64								
1923	57,752	206								
1924	164,154	234			116	\$ 1,010				
1925	268,529	361	50		1,162					
1926	296,943	412								
1927	222,879		27		239					
1928	320,655				286					
1929	324,985				5,942					
1930	279,118				10,972	91,742				
1931	184,068				1,501	16,601				
1932	136,874									
1933	95,279									
1934	161,109									
1935	161,010				190					
1936	154,191	375	1,635		2,974	19,931				
1937	188,794		32	297	3,436	25,771			4,804,002	
1938	169,947								3,256,053	
1939	262,087		50		262	1,550			4,957,484	
1940	365,680		30		2,354	13,134			4,285,688	

minerals and rock products in Utah—continued

Year	Tungsten concentrates		Vanadium		Antimony ore		Arsenious oxide		Quicksilver (mercury)		Radium	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Flasks	Value	Mgs.	Value

Part II. Metals²

1905									1,050	\$42,000		
1906									1,164	48,888		
1907									450	18,000		
1908												
1909												
1910												
1911												
1912												
1913												
1914												
1915												
1916	20	\$ 29,766			73	\$ 590						
1917	33	36,085			25	3,325						
1918	7	8,300										
1919												
1920												
1921												
1922												
1923							5,027	\$ 402,137				
1924							12,528	1,002,282				
1925							6,099	365,940				
1926							3,756	236,753				
1927							4,231	327,956				
1928							2,674	170,711				
1929							2,090	119,515				
1930							2,297	132,738				
1931							2,344	135,483				
1932							750	39,150				
1933												
1934							7,829	399,532				
1935							4,101	161,016				
1936			85						25	1,998		
1937	24											
1938												
1939												
1940									53	9,374		

Table 31. Production and value for all other

Year	Iron		Manganese ore		Manganiferous ore		Magnesite		Molybdenum	
	Tons	Value ²	Long tons	Value	Long tons	Value	Tons	Value	Pounds	Value
Part II. Metals ²										
1941	355,006		43		551	2,940	50	\$400		
1942	319,834		970	21,650						
1943	911,839		91	3,083						
1944	1,540,594	1,741	30		32,141					
1945	1,925,572	2,170			5,001					
1946	1,321,334	1,372			7,903					
1947	2,821,293	2,861			7,198					
1948	3,233,000	3,926			2,694					
1949	2,698,632	4,404			4,981	39,983				
1950	3,111,167	5,747	120		3,041					
1951	4,637,239	10,142			1,369					
1952	3,990,505	15,026	95		3,397					
1953	4,617,288	26,497	550		5,155	82,316				
1954	3,040,646	19,277	25		97					
1955	3,847,402	24,687								
1956	4,001,730	27,508								
1957	4,155,988	30,383	142	12,000						
1958	3,514,000	25,202	1,043	84,000						
1959	2,842,000	19,979								
1960	3,334,000	23,862								
1961	3,533,000	25,493								
1962	2,630,000	18,242								
1963	1,881,000	12,900								
1964	2,082,000	14,306								
1965	2,139,000	14,229								
1966	1,956,000	13,478								
1967	1,708,000	11,916								
1968	1,764,000	11,281								
1969	1,921,000	12,552								
1970	1,990,000	13,847			700	3				
1971	1,681,000	11,886			112	3				
1972 ⁴	1,788,000	13,149			3	3				
1973 ⁴	1,935,080	—			3	3				

Source: USBM Minerals Yearbooks.

¹ Figures not given are withheld by USBM at request of reporting firms.² Values for iron reported in thousands of dollars.³ Information withheld.⁴ Preliminary figures.

minerals and rock products in Utah—continued

Year	Tungsten concentrates		Vanadium		Antimony ore		Arsenious oxide		Quicksilver (mercury)		Radium	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Flasks	Value	Mgs.	Value
Part II. Metals ²												
1941	30	40,911	60						19	3,515		
1942												
1943	21	37,042	417	\$423,117	6	496						
1944	9	13,700	144	261,765	5	371						
1945	5	7,048	49	58,154							10	\$185
1946	27		32	37,370							10	185
1947	1		24									
1948	3		34									
1949			76									
1950			141									
1951		565	278									
1952	3	9,449	97									
1953	35	123,445	193									
1954	84	308,634	288									
1955	65	224,742	498									
1956	11	41,200	549									
1957			509									
1958			376									
1959			536									
1960			462									
1961			514									
1962			525									
1963			382									
1964			405	1,214,000								
1965			387	1,353,000								
1966	1,225	9,797,000	353	1,519,000								
1967	1,146	9,164,000	471	2,024,000								
1968	³	³	563	2,010,000								
1969	3	6,000	444	1,866,000								
1970	³	³	257	³								
1971	³	³	226	³								
1972 ⁴			188	³								
1973 ⁴			—	—								

Table 31. Production and value for all other

Year	Sand and gravel		Stone		Cement		Raw clay ²		Clay products	
	Tons	Value	Tons	Value	Bbls.	Value	Tons	Value	Tons	Value
Part III. Rock and rock products ¹										
1905				\$ 290,728						\$ 544,578
1906				292,745			4,713	\$ 11,416		634,444
1907				338,382			10,054	26,898		633,387
1908	20,990	\$ 3,599		286,414			17,267	22,894		658,517
1909	101,123	10,035		248,460			6,662	10,334		874,159
1910	183,494	21,354		440,772	811,800	\$1,005,960	6,209	8,903		864,258
1911	144,857	25,889		215,657	662,849	827,523	3,776	9,241		548,955
1912	76,850	28,595		249,782	760,668	937,119				724,978
1913	108,758	16,481		415,471	950,469	1,233,421	4,969	11,708		708,906
1914	235,856	59,028		498,810	974,723	1,317,575	5,837	13,961		676,142
1915	261,611	32,197		288,398	655,116	823,995	5,398	8,807		699,962
1916	185,569	24,048		368,705	892,596	1,467,564				885,357
1917	307,596	82,707		305,968	899,599	1,461,689	4,079	8,298		797,177
1918	184,719	103,873		355,579	549,593	1,085,917	7,533	22,528		610,288
1919	383,372	190,606		333,342	935,305	1,906,816	4,124	16,818		1,071,997
1920	519,655	252,527	304,290	509,740			3,814	16,337		1,107,204
1921	527,403	162,944	374,010	483,773			3,086	13,791		1,057,678
1922	412,544	152,469	411,590	380,246			4,567	20,754		860,433
1923	1,212,077	290,807	784,750	608,991			4,250	15,300		936,701
1924	659,588	154,793	640,110	446,490			10,419	33,367		1,047,199
1925	466,449	189,122	878,270	459,722			15,211	66,982		1,017,752
1926	1,100,918	227,574	732,960	623,608			8,152	107,963		929,782
1927	903,244	272,609	739,830	561,932			17,313	108,380		1,024,559
1928	1,000,131	544,020	881,730	818,415			24,897	156,951		444,536
1929	1,588,305	722,971	206,590	249,592			24,426	243,233		1,028,342
1930	1,201,849	613,951	633,630	395,174			35,092	385,462		732,608
1931	1,453,335	763,902	170,710	201,735			5,599	10,894		329,051
1932	1,488,085	575,539	143,150	230,645			12,731	119,614		
1933	1,552,690	629,680	193,470	183,524			16,152	141,673		
1934	1,837,314	1,494,700	389,820	236,714			20,036	138,231		
1935	1,811,105	1,030,687	215,230	169,865			15,817	121,778		
1936	2,267,808	1,352,296	422,230	230,067						
1937	2,345,451	1,158,387	453,540	315,985						
1938	2,775,005	1,263,722	709,430	390,249			21,419	90,790		
1939	2,218,678	1,100,013	700,510	444,856			29,468	111,414		
1940	1,899,563	582,708	1,024,660	693,127			27,506	98,153		
1941	2,760,025	935,371	406,140	340,551			25,366	54,019		
1942	3,874,841	2,079,302	285,170	318,261			29,359	57,395		
1943	2,536,518	1,322,544	390,480	416,821			17,905	43,465		
1944	2,468,535	1,736,102	363,880	363,285			26,152	65,208		
1945	2,147,910	1,280,578	215,400	318,254			55,395	90,295		
1946	1,653,010	992,083	404,370	591,940			105,621	199,775		
1947	2,945,943	1,612,354	178,680	368,255			143,284	278,224		
1948	2,278,000	1,369,000	280,000	478,000			131,000	245,000		
1949	2,331,688	1,553,408	263,020	427,418			221,701	624,164		
1950	3,435,277	2,251,515	929,410	880,667			203,078	936,804		
1951	2,971,268	2,268,750	1,226,710	1,291,118			293,688	1,277,763		
1952	3,260,044	2,350,412	852,351	1,123,108			189,723	1,125,299		
1953	4,627,808	3,179,690	997,330	1,446,594			188,348	1,447,515		
1954	5,327,969	3,592,286	1,127,461	1,545,841						
1955	5,158,265	3,309,280	1,925,687	2,650,480						
1956	5,835,500	4,475,700	2,321,636	3,298,006			226,728	491,789		
1957	26,958,000	15,485,000	7,854,000	8,540,000			164,000	473,000		
1958	25,304,000	14,379,000	13,126,000	13,949,000			157,000	488,000		
1959	8,843,000	6,436,000	3,338,000	4,048,000			185,000	484,000		
1960	6,848,000	6,182,000	1,837,000	3,287,000			143,000	416,000		
1961	18,325,000	16,979,000	1,808,000	3,219,000			143,000	1,080,000		
1962	19,941,000	20,954,000	2,118,000	3,865,000			174,000	1,403,000		
1963	11,709,000	10,408,000	2,346,000	4,040,000			125,000	470,000		
1964	10,218,000	10,405,000	3,105,000	6,930,000			127,000	330,000		
1965	10,032,000	10,464,000	2,328,000	4,765,000			149,000	332,000		
1966	12,368,000	12,937,000	2,246,000	4,269,000			89,000	240,000		

minerals and rock products in Utah—continued

Year	Diatomaceous earth		Pumice and pumicite		Perlite		Phosphate rock		Mica		Gemstones (thousand dollars)
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Pounds	Value	

Part III. Rock and rock products¹

1905
1906
1907
1908
1909
1910

1911
1912
1913
1914
1915
1916
1917
1918
1919
1920

1,875 \$ 12,000

1921
1922
1923
1924
1925
1926
1927
1928
1929
1930

20 \$ 300

35 700

1931
1932
1933
1934
1935
1936
1937
1938
1939
1940

150 1,500

1941
1942
1943
1944
1945
1946
1947
1948
1949
1950

1,340 8,535
1,184 7,410

7,500 \$ 30,000
7,618 30,000 414 \$ 2,000
731 2,762
8,719 10,891 2,585 13,072

1951
1952
1953
1954
1955
1956
1957
1958
1959
1960

9,422 11,478 3,422 16,017 580 2,900
3,880 4,385
3,588 3,788
2,041 20,000
44,769 329,603 2,271 8,518 125,772 772,000
36,000 148,000 114,000 756,000
41,000 84,000 95,000 677,000 12
39,000 81,000
60,000 134,000

\$ 10
12
40
134
72

1961
1962
1963
1964
1965
1966

60,000 95,000
28,000 46,000 929 3,000
28,000 46,000 1,313 7,000
28,000 47,000 2,003 12,000
3 3 3 3
3 3 3 3

73
75
75
75
75
75

Table 31. Production and value for all other

Year	Sand and gravel		Stone		Cement		Raw clay ²		Clay products	
	Tons	Value	Tons	Value	Bbls.	Value	Tons	Value	Tons	Value
Part III. Rock and rock products ¹										
1967	9,412,000	8,631,000	1,831,000	4,108,000			114,000	288,000		
1968	10,293,000	9,364,000	1,953,000	4,312,000			160,000	476,000		
1969	19,151,000	16,042,000	2,582,000	4,434,000			179,000	1,286,000		
1970	12,010,000	10,439,000	1,650,000	4,320,000			189,000	1,237,000		
1971	10,505,000	10,190,000	2,556,000	5,335,000			198,000	1,064,000		
1972 ³	14,619,000	17,071,000	3,384,000	6,005,000			266,000	1,477,000		
1973 ⁴	14,911,000	16,402,000	3,631,000	6,680,000			262,000			

Source: USBM minerals Yearbooks and UGMS statistical data.

¹ Figures not given are withheld by USBM at request of reporting firms.

² Excludes fire clay and halloysite.

³ Information withheld.

⁴ Preliminary figures.

minerals and rock products in Utah—continued

Year	Diatomaceous earth		Pumice and pumicite		Perlite		Phosphate rock		Mica		Gemstones (thousand dollars)
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Pounds	Value	
Part III. Rock and rock products ¹											
1967			3	3	3	3					80
1968			8,000	19,000	3	3					83
1969			10,000	21,000	3	3					85
1970			3	18,000	3	3					85
1971			6,000	10,000							90
1972 ⁴			14,000	29,000							95
1973 ⁴			14,000	29,000							95

Table 31. Production and value for all other minerals and rock products in Utah--continued

Year	Salt		Gypsum		Lime		Fluorspar		Silica		Sulphur	
	Tons	Value ²	Tons	Value ²	Tons	Value	Tons	Value	Tons	Value	Long tons	Value
Part IV. Non-metallic minerals ¹												
1880	12,000	\$ 60										
1881	14,000	70										
1882	13,000	65										
1883	15,000	100										
1884	16,000	80										
1885	15,000	75										
1886	23,000	100										
1887	45,500	102										
1888	21,250	32										
1889	28,000	60										
1890	59,850	126										
1891	135,660	265		\$ 15								
1892	180,946	340		16								
1893	15,200	130										
1894	37,546	209		12								
1895	41,228	122		11								
1896	39,172	97		14			20					
1897	56,725	196		14								
1898	37,275	104		10								
1899	33,059	115		10								
1900	34,878	152		5								
1901	46,828	326										
1902	58,450	271										
1903	29,813	182										
1904	35,536	321										
1905	24,828	135			12,765	\$ 69,089						
1906	36,710	170			17,461	86,518						
1907	48,378	200			12,671	68,085						
1908	33,975	170			12,237	78,340						
1909	34,571	147			16,388	116,992						
1910	34,979	186			15,625	88,030						
1911	38,139	171			11,681	74,770						
1912	39,661	155	45,665	143	20,325	111,291						
1913	46,262	192			8,680	58,704						
1914	52,564	232	44,950	185	12,425	74,212						
1915	55,279	266	23,445	76	11,460	67,273						
1916	60,653	289	27,727	84	12,472	77,133						
1917	79,195	352			9,130	63,574						
1918	94,204	580			7,844	67,642						
1919	77,336	432			6,982	94,027						
1920	75,259	546			9,797	151,700	268					
1921	68,874	491	35,536	243	7,972	104,605						
1922	81,909	387	48,338	305	11,082	147,087						
1923	81,449	469	44,531	287	12,228	152,136	188	\$ 3,196	150	\$450		
1924	78,577	463	90,221	336	12,853	172,434	184	3,292				
1925	88,150	433			22,062	265,060						
1926	77,350	422	36,333	196	29,953	348,509						
1927	74,690	335			48,882	397,088						
1928	85,800	194	28,103	137	47,662	385,476					1,000	
1929	84,940	203			46,581	365,055						
1930	85,240	189	26,694	185	27,522	236,607						
1931	74,010	160	22,178	134	18,192	172,534						
1932	61,230	133			9,092	93,060						
1933	56,305	141			8,557	75,889						
1934	57,000	152			9,611	97,363						
1935	57,625	164			15,957	152,586	180					

Table 31. Production and value for all other minerals and rock products in Utah—continued

Year	Salt		Gypsum		Lime		Fluorspar		Silica		Sulphur	
	Tons	Value ²	Tons	Value ²	Tons	Value	Tons	Value	Tons	Value	Long tons	Value
Part IV. Non-metallic minerals ¹												
1936	56,480	169	40,275	267	30,986	272,431	700					
1937	69,696	205	46,197		46,670	319,517	431					
1938	61,959	192	43,144	46	25,748	184,390	370					
1939	68,100	202	58,146	65	38,437	268,557	385					
1940	71,472	191	45,421	60	49,413	306,357	142					
1941	107,079	196	61,813	78	56,221	352,306	748					
1942	110,871	290	48,574	60	57,609	392,912	1,018					
1943	169,810	562			59,811	407,753	51					
1944	119,809	369			51,202	379,550	3,466					
1945	122,997	364			47,484	353,671	2,973					
1946	121,669	340			29,057	271,526	2,370					
1947	113,285	340			47,096	336,127	1,730	31,592				
1948	114,000	430			40,635	353,000	9,523	195,000				
1949	78,611	387			36,082	355,516	8,332	180,166				
1950	116,694	512			49,419	456,471	18,936	337,912				
1951	131,444	570					17,827	398,480				
1952	136,125	523					17,304	438,699				
1953	154,088	772					15,527	374,944				
1954	166,506	1,020			30,428	431,828	4,403	82,353				
1955	195,726	1,339			38,710	582,760	7,328	151,140				
1956	183,701	1,471			55,110	829,772	10,581	265,449				
1957	221,000	2,013			53,000	821,000	11,087	387,000				
1958	184,000	2,275			80,000	1,513,000	16,109	564,000				
1959	209,000	2,453			90,000	1,713,000						
1960	231,000	3,092			127,000	2,672,000	1,912	51,000				
1961	249,000	3,187			142,000	2,626,000	610	18,000				
1962	311,000	3,349			163,000	2,759,000	399	12,000				
1963	325,000	3,462			156,000	2,668,000	247	7,000				
1964	371,000	3,848			163,000	2,917,000	³	³				
1965	384,000	3,591			189,000	3,470,000	³	³			2,156	\$3,000
1966	427,000	3,770			200,000	3,640,000	³	³				
1967	403,000	3,525			169,000	3,182,000	³	³				
1968	405,006	3,756			174,000	3,439,000	8,762	213,000				
1969	481,000	4,439			191,000	3,947,000	6,667	207,000				
1970	366,000	3,638			186,000	3,756,000	19,214	595,000				
1971	614,000	5,213			172,000	3,569,000	10,947	341,000				
1972 ⁴	660,000	4,955			171,000	4,216,000	2,977	84,000				
1973 ⁴	680,000	5,534			181,000	3,760,000	7,701	272,000				

Source: USBM Minerals Yearbooks and UGMS statistical data.

¹ Figures not given are withheld by USBM at request of reporting firms.² Values for salt and gypsum reported in thousands of dollars.³ Information withheld.⁴ Preliminary figures.

Table 32. Uranium production in U. S., 1957-1973
[method of reporting was changed in 1963]

Year	Short tons of ore produced	Average grade, percent U_3O_8	U_3O_8 (pounds)	Total value
1957	3,695,478	0.27	19,676,475	\$ 82,627,119
1958	5,178,315	0.28	23,081,260	116,515,000
1959	6,934,927		34,755,188	141,350,000
1960	7,970,211		37,883,680	152,188,000
1961	8,041,329		37,028,839	148,299,000
1962	7,015,888 ¹		34,171,571	138,294,000

Year of production	Ore shipped		U_3O_8 content		Concentrate purchased by AEC		
	Short tons	Value U_3O_8 (thousands)	Percent	Pounds	Number of mills	Pounds of U_3O_8	Cost (thousands)
1963	5,613,570 ²	\$119,215	0.25	29,445,438	24	28,435,343	\$225,221
1964	5,359,653 ²	110,297	0.25	28,527,773	21	23,693,279	189,563
1965	4,385,995 ²	157,828	0.24	20,747,339	19	20,884,600	167,068
1966	4,352,651	152,281	0.23	19,867,674	17	18,975,000	151,773
1967	5,272,038	165,239	0.20	20,653,000	16	16,850,000	134,785
1968	6,447,829	182,698	0.19	24,140,000	16	14,675,000	117,026
1969	5,904,000	142,161	0.21	23,747,000	10	12,367,000	72,336
1970	6,324,000	149,464	0.20	24,682,000	17	12,768,000	28,078
1971	6,279,242	152,029	0.20	26,178,000	17	—	—
1972 ²	6,446,135			27,720,000			
1973 ²	—						

Source: USBM Minerals Yearbooks.

¹ Revised figures from 1966 USBM Yearbook.² Preliminary figures.

Table 33. Uranium production in U. S., 1943-1959

Fiscal year	Ore production		Concentrate short tons, U_3O_8		Domestic concentrate purchased		Processing plant investment (thousands)
	Short tons ¹	Percent U_3O_8	Domestic	Foreign	Total cost, (millions)	Average cost per pound of U_3O_8	
1943-47			1,440	10,150			
1948	54	0.31	110	1,960	\$ 2	\$ 7.14	\$ 4,200
1949	89	0.27	120	1,960	2	8.53	6,500
1950	230	0.31	320	2,740	6	8.92	7,700
1951	290	0.32	630	3,050	13	10.01	8,000
1952	390	0.32	830	2,830	18	11.19	8,300
1953	610	0.31	990	1,910	24	12.30	11,800
1954	914	0.32	1,450	3,240	36	12.25	25,400
1955	1,306	0.30	2,140	3,800	54	12.51	44,300
1956	2,185	0.28	4,200	6,240	98	11.63	72,100
1957	3,303	0.28	7,580	8,580	160	10.53	126,800
1958	4,416	0.27	10,244	16,132	196	9.57	156,200
1959	6,117	0.26	15,162	18,164	281	9.25	
Total	19,904		45,216	80,756	888	10.14	

Source: 1959 USBM Minerals Yearbook, Volume 1, special table.

¹ Reported in thousands of short tons.

Table 34. Uranium production of Utah, 1955-1972

Year	Number of properties	Ore produced (short tons)	U ₃ O ₈ contained		Value of ore
			Percent	Pounds	
1955 ¹	330	353,166	0.31	2,218,874	\$ 9,454,114
1956	510	926,273	0.31	5,918,975	25,214,342
1957	377	1,075,789	0.35	7,510,665	32,542,617
1958	392	1,239,767	0.36	8,913,872	38,610,000
1959	318	1,210,654	0.36	8,600,316	37,310,000
1960	312	1,089,757	0.30	6,538,540	27,843,000
1961	307	1,098,783	0.28	6,160,406	25,734,000
1962	240	781,955	0.35	5,492,006	23,653,000
1963	207	743,792		5,525,699	23,852,000
1964	215	761,180		6,029,244	26,385,000
1965	194	377,989	0.29	2,160,283	9,014,000
1966	207	236,860	0.26	1,253,558	9,797,000
1967	117	254,538	0.23	1,287,454	10,300,000
1968	134	386,683	0.23	1,711,639	13,175,000
1969	71	298,746	0.20	1,140,341	6,824,000
1970	66	398,094	0.22	1,634,579	6,742,000
1971	30	412,246	0.19	1,445,000	8,959,000
1972 ²	35	470,513	0.19	1,638,000	—

Sources: USBM Minerals Yearbooks and USBM preliminary reports.

¹ Reported for half-year only.² Preliminary figures.Table 35. U₃O₈ concentrate purchased by Atomic Energy Commission, by state, 1947-1970

[uranium produced as by-products of phosphates, euxenites, etc., excluded; amounts and values reported in thousands of units]

Calendar year	Colorado		New Mexico		Utah		Wyoming		Others ¹		Total	
	Tons	Value ²	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1947	67	\$ 966									67	\$ 966
1948	102	1,531									102	1,531
1949	175	3,063							2	\$ 43	177	3,106
1950	452	7,992							7	1,890	459	9,882
1951	620	13,513			146	\$ 2,275					766	15,788
1952	743	17,163			131	3,556					874	20,719
1953	940	22,149			214	6,139			9	271	1,163	28,559
1954	1,239	29,404			280	7,331			181	5,536	1,700	42,271
1955	1,483	34,341	847	\$ 19,978	454	12,166					2,784	66,485
1956	1,726	40,969	2,891	64,633	1,222	23,698			119	2,994	5,958	132,294
1957	1,966	45,105	2,534	50,920	3,291	57,980			691	12,501	8,482	166,506
1958	2,917	58,514	3,604	66,462	3,822	67,374	1,247	\$23,764	847	17,491	12,437	233,605
1959	3,278	62,572	6,772	112,770	3,535	63,853	1,675	28,587	979	19,981	16,239	287,763
1960	3,117	61,257	7,760	125,146	3,034	54,641	2,770	44,799	956	18,874	17,637	304,717
1961	2,951	52,245	7,750	123,794	2,954	51,376	2,823	45,361	870	17,001	17,348	289,777
1962	2,652	43,058	7,293	110,373	3,188	52,174	3,055	48,942	820	13,458	17,008	268,005
1963	2,134	34,126	5,512	85,892	3,080	49,348	2,566	41,045	925	14,810	14,217	225,221
1964	1,800	28,803	4,747	75,975	2,063	33,007	2,216	35,461	1,020	16,317	11,846	189,563
1965	1,290	20,631	4,591	73,464	1,510	24,164	2,097	33,551	954	15,259	10,442	167,069
1966	1,258	20,118	4,393	70,285			1,944	31,094	1,893	30,276	9,448	151,773
1967	840	13,442	4,698	75,147			1,705	27,275	1,182	18,921	8,425	134,785
1968	782	12,514	4,300	68,801			1,567	24,990	688	11,012	7,337	117,317
1969			4,104	47,150			1,115	12,531	965	12,777	6,184	72,458
1970			833	7,875			628	6,346	1,059	13,814	2,520	28,035

Source: Statistical Data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

¹ Represents purchases from individual companies in various other states.² Reported in thousands of dollars.

Table 36. Operators active in uranium production in Utah, 1973

Operator	Production (tons)
Alfred O. Acerson	—
Allied Mission Oil	5,880
Atlas Minerals Corp.	258,382
H. W. Balsley	—
Bejo Mining Co.	1,712
Big Indian Uranium Corp.	—
Calvin Black Enterprises	2,567
Black Hat Mining	5,586
Bullion Monarch Uranium	—
Jack R. Bond	6,397
Firefly Enterprises	6,279
Willard C. Haight	74
Robert V. Hancock	—
Larry R. Hixon	—
Hope Mining Co.	—
Hughes Mining Co.	—
J. R. J. Mining	6,435
Leeco Gas and Oil	3,878
W. R. McCormick	—
Mitchell Melich	—
Nolan and Harold Olsen	25
Ouray Uranium Co.	—
Plateau Mining Co.	232
Power Oil Co.	97,310
Red Rock Development	—
Rio Algom Corp.	71,164
Robert H. Ruggeri	—
Shumway Brothers Uranium	544
Charles Steen	—
Pratt Seegmiller	—
Thornburg Mining	3,441
Union Carbide Corp.	—
Utah Alloy Ores	—
Lark Washburn	—
Woodmont, Inc.	607
Total	470,513

Source: Utah State Tax Commission, Mineral Properties Division, and UGMS statistical data.

Table 37. Uranium ore shipments to mills 1948-1973, by state

State	Tons of ore	Percent U_3O_8	Contained tons U_3O_8 ¹
New Mexico	44,100,181	0.22	96,766
Utah	13,724,324	0.31	42,506
Wyoming	21,638,787	0.22	47,227
Colorado	14,650,950	0.25	36,600
Arizona	2,965,900	0.30	8,950
Others ²	6,437,380	0.20	12,730
Total	103,517,522	0.24	244,779

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

¹ Includes miscellaneous receipts.

² Includes Alaska, California, Idaho, Missouri, Montana, Nevada, North Dakota, Oregon, South Dakota, Texas, and Washington.

Table 38. Distribution of U_3O_8 ore production, by state, 1972-1973

State	1972			1973		
	Tons of ore	Tons U_3O_8	Percent of total U_3O_8	Tons of ore	Tons U_3O_8	Percent of total U_3O_8
New Mexico	2,314,381	5,722	41.28	2,159,029	4,984	36.15
Wyoming	2,209,651	4,558	32.88	2,926,911	5,357	38.86
Colorado	361,647	998	7.20	303,473	1,023	7.42
Utah	412,196	819	5.91	439,499	1,064	7.72
Others ¹	1,119,866	1,570	11.32	939,310	1,359	9.85
Miscellaneous receipts	28,394	196	1.41			
Totals	6,446,135	13,863	100.00	6,768,222	13,787	100.00

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

¹ Includes Alaska, South Dakota, Texas, and Washington.

Table 39. Distribution of known ore reserves, by state, as of January 1, 1974

State	Tons ore	Grade (%)	Tons U_3O_8	Percent Total tons U_3O_8	Number deposits
New Mexico	49,397,638	0.277	136,958	49.50	78
Wyoming	55,740,431	0.174	96,936	35.03	139
Utah	2,438,771	0.322	7,854	2.84	127
Colorado	2,606,336	0.324	8,432	3.05	248
Others ¹	18,626,799	0.142	26,524	9.58	146
Totals	128,809,975	0.215	276,700 ²	100.00	738

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

¹ Includes Alaska, Arizona, California, Montana, North Dakota, Oregon, South Dakota, Texas, and Washington.² Rounded.Table 40. Distribution of exploratory drilling for U_3O_8 reserves, by state, 1972-1973

State	1972		1973	
	Drilling (feet)	Percent of total	Drilling (feet)	Percent of total
Wyoming	6,612,432	42.8	8,308,000	50.6
New Mexico	3,553,041	23.0	3,891,000	23.7
Texas	3,335,525	21.7	2,753,000	16.8
Colorado	951,843	6.2	473,000	2.9
Utah	442,335	2.9	255,000	1.6
South Dakota	165,683	1.1		
Others ¹	362,833	2.3	741,000	4.4
Total	15,423,692	100.0	16,421,000	100.0

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

¹ Includes Alaska, Arkansas, Arizona, California, Idaho, Montana, Nevada, Oklahoma, South Dakota, and Washington.

Table 41. Number and average depth of exploratory drill holes for U_3O_8 reserves, 1966-1973

Year	Number of holes	Average depth (feet)
1966	18,900	220
1967	29,700	360
1968	58,000	410
1969	75,900	390
1970	58,900	400
1971	38,900	400
1972	36,600	420
1973	34,300	480

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

Table 42. Amount of land involved in uranium exploration and mining, by state

State	Acres 1/1/71	Acres 1/1/72	Acres 1/1/73	Acres 1/1/74
Arizona	221,000	231,000	486,000	754,000
California	436,000	450,000	491,000	587,000
Colorado	1,959,000	1,315,000	1,123,000	1,291,000
Idaho	21,000	24,000	34,000	34,000
Montana	386,000	349,000	324,000	380,000
Nevada	250,000	250,000	250,000	264,000
New Mexico	4,717,000	4,119,000	3,109,000	3,158,000
Oregon	—	5,000	30,000	31,000
South and North Dakota	276,000	237,000	224,000	181,000
Texas	1,079,000	899,000	641,000	641,000
Utah	3,640,000	2,420,000	2,602,000	2,783,000
Washington	398,000	133,000	88,000	72,000
Wyoming	11,023,000	8,575,000	8,275,000	8,598,000
Totals	24,406,000	19,007,000	17,677,000	18,774,000

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

Table 43. Status of land involved in uranium exploration and mining

	1/1/71	1/1/72	1/1/73	1/1/74
Fee	5,712,000	5,250,000	5,219,000	5,580,000
Claims	11,471,000	8,755,000	9,679,000	10,290,000
State	5,835,000	3,995,000	1,859,000	1,945,000
Indian	674,000	469,000	603,000	646,000
Federal Acquired	555,000	363,000	206,000	145,000
Railroad	159,000	175,000	111,000	168,000
Totals	24,406,000	19,007,000	17,677,000	18,774,000

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

Table 44. Uranium industry employment figures, January 1, 1973

Mining								
State	Mining underground		Mining open pit		Technical	Clerical	Supervisory	Totals
	Miners	Service and support	Miners	Service and support				
Colorado	221	65			12	7	32	337
New Mexico	716	304	128	172	92	60	183	1,655
Wyoming	138	59	466	279	102	48	107	1,199
Utah	143	115	5		13	12	27	315
Other	4	1	116	55	12	8	19	215
Totals	1,222	544	715	506	231	135	368	3,721
Milling								
State	Operations		Maintenance	Technical	Clerical	Supervisory		Totals
Colorado, Utah	146		119	31	19	30		345
New Mexico	224		216	43	23	37		543
Wyoming, South Dakota	179		120	49	19	53		420
Texas, Washington	103		53	23	12	31		222
Totals	652		508	146	73	151		1,530
Exploration								
State	Geology and engineering		Drilling services	Logging services	Aerial services	Others ¹	Non-technical prospectors	Totals
Colorado, east Utah	67		59	8	2	21	10	167
Wyoming, North and South Dakota, east Montana	132		126	42	7	129	5	441
New Mexico, Arizona	68		169	18	4	49	4	312
Texas, Oklahoma, Arkansas, Louisiana	33		84	13	4	31		165
Far West, North-west, Alaska	34		11	5	2	12	3	67
Totals	334		449	86	19	242	22	1,152
Grand Total								6,403

Source: Statistical data of the Uranium Industry, January 1, 1973, USAEC, Grand Junction, Colorado.

¹ Includes landmen, surveyors, and draftsmen.

Table 45. Uranium industry employment figures, January 1, 1974

Mining								
State	Mining underground		Mining open pit		Technical	Clerical	Supervisory	Totals
	Miners	Service and support	Miners	Service and support				
Colorado	160	46			16	10	37	269
New Mexico	647	353	142	147	105	62	182	1,638
Wyoming	89	111	418	246	94	103	112	1,173
Utah	113	33	5	1	8	14	17	191
Other	—	—	112	96	9	18	10	245
Totals	1,009	543	677	490	232	207	358	3,516

Table 45. Uranium industry employment figures, January 1, 1974—continued

Milling						
State	Operations	Maintenance	Technical	Clerical	Supervisory	Totals
Colorado, Utah	143	97	44	32	68	384
New Mexico	255	161	42	52	68	578
Wyoming, Texas	167	108	50	67	48	440
Washington	56	25	10	12	17	120
Totals	621	391	146	163	201	1,522

Exploration							
State	Geology and engineering	Drilling services	Logging services	Aerial services	Others ¹	Non-technical prospectors	Totals
Colorado, east Utah	71	68	11	1	42	12	205
Wyoming, North and South Dakota, east Montana	148	161	43	6	133	5	496
New Mexico, Arizona	87	235	29	2	167	7	527
Texas, Oklahoma, Arkansas, Louisiana	57	110	16	1	46	—	230
Far West, North-west, Alaska	43	18	4	1	23	10	99
Totals	406	592	103	11	411	34	1,557
Grand total							6,595

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

¹ Includes landmen, surveyors, and draftsmen.

Table 46. Uranium ore processing mills operating, January 1, 1974

Company	Location	Nominal capacity (tons ore per day)
Anaconda Company	Grants, New Mexico	3,000
Atlas Corporation	Moab, Utah	1,500
Conoco and Pioneer Nuclear, Inc.	Falls City, Texas	1,750
Cotter Corporation	Canon City, Colorado	450
Dawn Mining Company	Ford, Washington	400
Exxon Company	Powder River Basin, Wyoming	2,000
Federal-American Partners	Gas Hills, Wyoming	950
Kerr-McGee Corporation	Grants, New Mexico	7,000
Petrochemicals Company	Shirley Basin, Wyoming	1,500
Rio Algom Corporation	La Sal, Utah	500
Union Carbide Corporation	Uravan, Colorado	1,300
Union Carbide Corporation	Natrona County, Wyoming	1,000
United Nuclear-Homestake Ptns.	Grants, New Mexico	3,500
Utah International, Inc.	Gas Hills, Wyoming	1,200
Utah International, Inc.	Shirley Basin, Wyoming	1,200
Western Nuclear, Inc.	Jeffrey City, Wyoming	1,200
Total		28,450

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

Table 47. Western states uranium milling operations, 1973

Output ¹	Thousands of tons	Percent U ₃ O ₈	Tons U ₃ O ₈
Ore stockpiles 1/1/73	104	0.26	271
Ore receipts	6,768	0.20	13,558
Ore fed to process	6,816	0.20	13,716
Ore stockpiles 1/1/74	56	0.20	113
Other millfeed			199
Recycled tailing and clean-up			61
Total millfeed			13,976
In process 1/1/73			468
In process 1/1/74			328
Actual production			13,235
Tailing losses			881
Recovery—93 percent			
Concentrate inventory 1/1/73			3,701
Shipments ²			11,698
Concentrate inventory 1/1/74			22,500

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

¹ Eighteen mills in production; average daily production rate = 22,500 tons.

² Generalized shipment figures.

Table 48. U₃O₈ concentrate production, by state, 1966-1973
[reported in tons concentrate]

Calendar year	Colorado	New Mexico	Wyoming	Others ¹	Total
1966	1,423	5,076	2,248	1,842	10,589
1967	1,340	5,933	2,667	1,313	11,253
1968	1,614	6,192	2,873	1,689	12,368
1969	1,678	5,943	3,063	925	11,609
1970		5,771	3,654	3,480	12,905
1971		5,305	3,487	3,481	12,273
1972		5,464	4,216	3,220	12,900
1973		4,634	5,159	3,442	13,235

Source: Statistical data of the Uranium Industry, January 1, 1974, USAEC, Grand Junction, Colorado.

¹ Includes Arizona, South Dakota, Texas, Utah, Washington, and after 1969 Colorado.

Table 49. Utah's rank among states in mineral production, 1962-1972

Commodities	1962	1963	1964	1964	1966	1967	1968	1969	1970	1971	1972
Total mineral production	16	16	16	16	15	15	16	16	15	16	15
Gold	2	2	2	2	3	3	2	3	3	3	3
Silver	3	3	4	3	2	2	2	3	3	3	3
Copper	2	2	2	2	2	2	2	2	2	2	2
Lead	3	3	3	3	3	3	3	3	3	3	4
Zinc	5	6	6	9	5	5	5	5	6	6	7
Iron ore	5	4	5	4	5	5	5	5	4	4	5
Uranium	4	4	4	4	4	4	4	4	4	4	4
Coal	9	9	9	10	7	7	8	12	13	15	14
Petroleum	11	11	11	14	14	14	14	13	13	13	13
Natural gas	12	12	11	13	14	14	14	15	17	16	16
Salt	7	9	7	9	9	9	9	9	8	8	9
Molybdenum	2	2	2	2	3	3	3	3	2	3	3
Variety of minerals produced	3	5	3	5	3	2	1	3	3	3	3
Value of mineral production (thousands of dollars)	410,590	385,423	411,449	439,148	448,878	354,477	423,951	542,489	601,998	525,700	542,809
Percent of national product	2.18	1.96	2.00	2.04	1.95	1.49	1.70	2.02	2.58	1.71	²

Source: USBM Minerals Yearbooks.

¹ Preliminary figures from USBM monthly Mineral Industry Surveys.² Not available.

Table 50. Total mineral production in 1970
[value reported in thousands of dollars]

State	Value	Principal mineral
Texas	\$6,402,462	Petroleum
Louisiana	5,102,321	Petroleum
California	1,897,136	Petroleum
West Virginia	1,285,364	Coal
Arizona	1,166,767	Copper
Oklahoma	1,137,267	Petroleum
Pennsylvania	1,095,743	Coal
New Mexico	1,060,358	Petroleum
Kentucky	847,465	Coal
Wyoming	705,533	Petroleum
Illinois	688,697	Coal
Michigan	670,729	Iron ore
Minnesota	633,006	Iron ore
Ohio	612,166	Coal
Utah	601,997	Copper

Source: USBM Minerals Yearbook, 1970.

Table 51. Utah's national ranking in mineral production

Coal (1971)		
Rank of state	State	Production (thousand short tons)
1	Kentucky	119,389
2	West Virginia	118,258
3	Pennsylvania	72,835
4	Illinois	58,402
5	Ohio	51,431
6	Virginia	30,628
7	Indiana	21,396
8	Alabama	17,945
9	Tennessee	9,271
10	New Mexico	8,175
11	Wyoming	8,052
12	Montana	7,064
13	North Dakota	6,075
14	Colorado	5,337
15	Utah	4,626

Copper (1972)		
Rank of state	State	Production (short tons)
1	Arizona	897,888
2	Utah	255,103
3	New Mexico	167,951

Gold (1972)		
Rank of state	State	Production (troy ounces)
1	Nevada	419,748
2	South Dakota	407,430
3	Utah	362,413
4	Arizona	102,996

Iron Ore (1972)		
Rank of state	State	Production (long tons)
1	Minnesota	51,283,000
2	Michigan	11,919,000
3	Missouri	2,642,000
4	Wyoming	1,809,000
5	Utah	1,715,000

Lead (1972)		
Rank of state	State	Production (short tons)
1	Missouri	488,711
2	Idaho	61,303
3	Colorado	32,605
4	Utah	20,702

Table 51. Utah's national ranking in mineral production—continued

Molybdenum (1971)		
Rank of state	State	Production (thousand pounds)
1	Colorado (Climax)	
2	Arizona (Duval Sierrita)	112,138
3	Utah (Kennecott)	

Natural Gas (1971)		
Rank of state	State	Production (MCF)
1	Texas	8,550,705
2	Louisiana	8,081,907
3	Oklahoma	1,684,260
4	New Mexico	1,167,577
5	Kansas	885,144
6	California	612,629
7	Wyoming	380,105
8	West Virginia	234,027
9	Arkansas	172,154
10	Alaska	121,618
11	Mississippi	118,805
12	Colorado	108,537
13	Ohio	79,903
14	Pennsylvania	76,451
15	Kentucky	72,723
16	Utah	42,418

Petroleum (1971)		
Rank of state	State	Production (thousand barrels)
1	Texas	1,249,697
2	Louisiana	906,907
3	California	372,191
4	Oklahoma	223,574
5	Wyoming	160,345
6	New Mexico	128,184
7	Kansas	84,853
8	Alaska	83,616
9	Mississippi	65,119
10	Illinois	43,747
11	Montana	37,879
12	Colorado	24,723
13	Utah	23,370

Phosphate Rock (1972)		
Rank of state	State	Production (thousand short tons)
1	Florida ¹	117,263
2	Tennessee ²	3,824
3	Western states ³	5,565

Table 51—continued

Potash (1972)		
Rank of state	State	Production (short tons)
1	New Mexico	
2	Utah	180,000
3	California	

Salt (1971)		
Rank of state	State	Production (short tons)
1	Louisiana	13,352
2	Texas	9,217
3	Ohio	5,709
4	New York	5,303
5	Michigan	4,458
6	California	1,887
7	Kansas	1,240
8	West Virginia	1,174
9	Utah	614

Silver (1972)		
Rank of state	State	Production (troy ounces)
1	Idaho	14,250,725
2	Arizona	6,252,800
3	Utah	4,299,604
4	Colorado	3,663,832

Uranium Ore (1972)		
Rank of state	State	Production (tons)
1	New Mexico	2,314,381
2	Wyoming	2,209,651
3	Utah	470,513
4	Colorado	361,647

Zinc (1972)		
Rank of state	State	Production (short tons)
1	Tennessee	103,524
2	Colorado	65,085
3	Missouri	62,550
4	New York	60,739
5	Idaho	38,296
6	New Jersey	38,097
7	Utah	22,779

Source: USBM Minerals Yearbooks.

¹ Includes North Carolina.² Includes Alabama.³ Includes California, Idaho, Montana, Utah, and Wyoming.

Table 52. Minerals produced in Utah and nearby states

Mineral	California	New Mexico	Utah	Colorado	Arizona
Antimony	X				
Asbestos	X				X
Asphalt			X		
Beryllium		X	X	X	
Barite	X				
Boron minerals	X				
Bromine	X				
Carbon dioxide	X	X	X	X	
Calcium magnesium chlorite	X				
Carbon black		X			
Cement	X	X	X	X	X
Clays	X	X	X	X	X
Coal	X	X	X	X	X
Copper	X	X	X	X	X
Diatomite	X				X
Dolomite			X		
Feldspar	X	X		X	X
Fluorspar		X	X	X	
Gemstones	X	X	X	X	X
Gold	X	X	X	X	X
Gypsum	X	X	X	X	X
Helium		X			X
Iron ore	X	X	X	X	X
Lead	X	X	X	X	X
Lithium minerals	X				
Lime	X	X	X	X	X
Magnesium	X		X		
Manganese concentrate		X			
Manganiferous ore		X			
Mercury	X		X		X
Mica		X		X	X
Molybdenum	X	X	X	X	X
Natural gas	X	X	X	X	X
Natural gas liquids	X	X	X	X	X
Peat	X	X		X	
Perlite	X	X	X	X	X
Petroleum	X	X	X	X	X
Phosphate rock	X		X		
Potassium salts	X	X	X		
Pumice	X	X	X	X	X
Pyrites				X	X
Rare-earth metals	X		X	X	
Salt	X	X	X	X	
Sand and gravel	X	X	X	X	X
Silver	X	X	X	X	X
Sodium carbonate	X				
Sodium sulfate	X		X		
Stone	X	X	X	X	X
Sulfur		X			
Talc	X				
Thorium			X		
Tin		X		X	
Tungsten	X		X	X	X
Uranium		X	X	X	X
Vanadium		X	X	X	X
Vermiculite					X
Wollastonite	X				
Zinc	X	X	X	X	X

Source: UGMS statistical data.

Table 53. Extent and economic value of Utah's oil industry through 1973

Data	Units
Geographic Data	
Number of counties in state	29
Number of counties with oil and/or gas production	12
Total land area of state	52,696,960 acres
Area proved productive of oil and/or gas	266,440 acres
Percent of total land area producible	0.5 percent
Estimated non-productive area under lease, December 31, 1973	22,660,000 acres
Quantitative Data	
All oil produced to December 31, 1973	472,458,492 bbls.
Total oil sold in 1972	26,629,919 bbls.
Total oil sold in 1973	32,786,916 bbls.
Total natural gas sold in 1972	33,977,096 MCF
Total natural gas sold in 1973	35,400,220 MCF
Estimated number of employees engaged in crude oil and natural gas production	2,500
First year of commercial production	1948
Year of largest production	1959
Crude oil produced in year of largest production	39,961,184 bbls.
Crude oil produced for 1973	32,543,791 bbls.
Number of producing oil and gas wells at end of 1972	1,089
Number of producing oil and gas wells at end of 1973	1,180
Percent of crude produced by stripper wells	0.5 percent
Average daily production of oil per well at end of 1972	78.8 bbls.
Average daily production of oil per well at end of 1973	90.4 bbls.
Average daily production of oil for 1973	89,000 bbls.
Recoverable proven reserves at end of 1973, estimated under present-day operating practices	282,680,000 bbls.

Table 53—continued

Data	Units
Economic Data	
Wellhead value of all crude oil produced to November 30, 1973 (oil includes all liquids, dry condensate, etc.)	\$1,246,136,165
Average field price of crude oil per barrel in 1972	\$2.94
Average field price of crude oil per barrel in 1973	\$3.59
Total value of crude oil in 1972	\$78,276,443
Total value of crude oil in 1973	\$117,742,981
Average field price of natural gas in 1972	0.176 cents/MCF
Average field price of natural gas in 1973	0.187 cents/MCF
Total value of natural gas in 1972	\$5,988,285
Total value of natural gas in 1973	\$6,887,792
Principal mineral products in order of value:	
Copper	\$312,351,000
Crude petroleum	\$117,742,981
Coal	\$48,830,000
Percent petroleum value to total value of all minerals	15.8 percent

Source: Utah Division of Oil and Gas Conservation.

Table 54. Crude oil balance sheet for 1973

	Barrels per day	Barrels per day
Produced in Utah	89,000	
Imported via pipeline	74,000	
Exported via pipeline, truck, and tank car		44,000
Processed in Salt Lake refineries		119,000

Source: Utah Division of Oil and Gas Conservation.

Table 55. Status of Utah's oil and gas wells, December 31, 1973

County	Drilling	Plugged and abandoned	Number of oil wells		Reason for not producing	Number of gas wells		Reason for not producing	Number of injection wells
			producing	producible		producing	producible		
Box Elder		45	0	9	9 inundated by water				
Cache		6							
Carbon		69	0	4	4 uneconomical	4	25	7 waiting on gas pipeline 1 depleted 13 watered out 3 uneconomical and marginal	
Daggett		12				18	21		
Davis		5							
Duchesne	57	119	198	228	22 uneconomical 2 flaring allowable exceeded 3 mechanical or down-hole problems				2
Emery	3	165	1	3	2 uneconomical	6	15	4 watered out 5 waiting on gas pipeline	
Garfield	2	68	24	24					8
Grand	10	141	6	21	7 depleted reservoir 1 inaccessible 7 uneconomical	75	170	3 inaccessible 20 marginal 72 uneconomical	3
Iron		5							
Juab		7							
Kane		27							
Millard		15							
Piute		1							
Salt Lake		3							
San Juan	9	823	487	582	83 watered out 12 uneconomical 1 uneconomical	8	10	1 uneconomical 1 marginal	262
Sanpete	1	20	0	1					
Sevier		22							
Summit	1	14	7	7					4
Tooele		6							
Uintah	12	415	262	374	96 watered out 2 depleted 2 marginal 12 uneconomical	85	132	4 marginal 6 waiting on gas pipeline 4 depleted 33 uneconomical	99
Utah		24							
Wasatch		14	0	1	1 uneconomical				
Washington		211	0	3	3 uneconomical				
Wayne		58	0	1	1 uneconomical				
Weber		1							
State total	95	2,296		1,258			373		378

Source: Utah Division of Oil and Gas Conservation.

Table 56. Utah refinery processing, 1973

Oil refinery	Crude produced in Utah (barrels)		Crude imported into Utah (barrels)	
	Yearly	Daily	Yearly	Daily
Chevron Oil	5,709,695	15 643	9,154,200	25,080
American Oil	2,482,000	6,800	11,534,000	31,600
Phillips Petroleum	2,934,000	15,479	5,650,000	8,038
Husky Oil	2,965,000	8,130	516,000	1,415
Caribou Four Corners	58,628	161	1,272,605	3,486
Arizona Fuels	781,387	2,141	—	—

Source: Utah Division of Oil and Gas Conservation.

Table 57. Comparison of income figures among Utah's leading industries, 1940-1973
[reported in thousands of dollars]

Year	Farm income		Value of mineral production		Value added by manufacturing	Total copper industry and manufacturing
	Crops and livestock	Total ¹	Copper industry	Total		
1940	\$ 46,600	\$ 57,600	\$ 52,401	\$103,606	²	
1941	60,400	72,500	62,974	121,458	²	
1942	83,500	96,600	74,219	146,062	²	
1943	102,200	117,200	84,237	163,155	²	
1944	117,000	134,200	76,295	147,878	²	
1945	126,200	145,600	61,122	127,537	²	
1946	136,800	157,900	37,028	95,520	²	
1947	155,300	174,800	111,944	206,015	\$ 128,250	
1948	163,200	183,500	98,521	204,459	²	
1949	146,300	163,600	77,714	177,825	138,268 ³	\$ 479,693
1950	152,200	169,400	115,910	229,966	177,504 ³	576,870
1951	189,300	209,700	131,206	257,144	223,221 ³	690,066
1952	175,600	195,100	136,921	265,679	229,876 ³	690,652
1953	151,100	170,000	154,691	298,589	272,449 ³	741,038
1954	150,500	167,800	124,983	255,550	276,343	699,693
1955	150,900	168,200	173,780	332,002	386,311 ³	886,513
1956	147,700	165,700	213,013	399,759	457,394 ³	1,022,853
1957	155,400	176,700	143,190	359,335	473,514 ³	1,009,549
1958	158,700	176,500	99,511	367,232	417,445	961,177
1959	159,400	180,900	88,855	374,544	457,045 ³	1,012,489
1960	162,000	180,300	139,987	432,712	547,372 ³	1,160,384
1961	154,100	174,200	128,120	416,789	631,485 ³	1,222,474
1962	165,900	186,700	134,299	410,590	685,317 ³	1,282,607
1963	164,100	185,800	125,107	385,423	710,627	1,281,850
1964	150,921	173,300	130,131	411,449	667,955 ³	1,252,704
1965	162,299	184,300	183,470	439,148	693,214 ³	1,316,662
1966	189,673	214,100	191,978	448,878	699,388 ³	362,365
1967	192,138	215,700	128,905	354,477	777,900	1,348,075
1968	197,685	223,500	191,027	423,951	832,700 ³	1,480,151
1969	208,314	235,700	282,066	542,489	1,054,600	1,832,789
1970	222,580	250,700	341,287	601,998	989,900	1,842,598
1971	229,560	257,500	273,989	525,700	864,200	1,647,400

Table 57. Comparison of income figures among Utah's leading industries, 1940-1973—continued

Year	Farm income		Value of mineral production		Value added by manufacturing	Total copper industry and manufacturing
	Crops and livestock	Total ¹	Copper industry	Total		
1972 ⁴	246,181	278,900	265,735	542,809	²	²
1973 ⁴	²	²	312,351	644,325	²	²

Source: Utah Foundation, U. S. Department of Agriculture, Statistical Reporting Service, U. S. Bureau of Mines, the Utah Mining Association, and the U. S. Department of Commerce, Bureau of the Census.

¹ Total farm income includes cash receipts from sale of farm products (crops and livestock), government subsidy payments, value of products consumed on the farm and gross rental value of farm dwellings estimated for the years 1940 through 1948.

² Data not available.

³ Value added by manufacturing figures for the years 1949-1953, 1955-1957, 1959-1962, 1964-1966, and 1968 were obtained from the Annual Survey of Manufacturers prepared by the U. S. Bureau of Census. This survey consists of a sample study made of approximately one-sixth of the nation's manufacturing concerns. Figures for these years therefore, contain a larger margin of error than figures for other years when a complete census of manufacturers was taken.

⁴ Preliminary data.

Table 58. Comparison of personal incomes between Utah and the nation, 1929-1973

Year	Total personal income (in millions)		Income per capita			Utah's rank in per capita income ¹
	Utah	U. S.	Utah	U. S.	Percent Utah is of U. S.	
1929	\$ 283	\$ 85,803	\$ 558	\$ 705	79.1	29 ¹
1940	266	78,122	482	592	81.4	29 ¹
1948	810	208,876	1,241	1,430	86.8	33 ¹
1949	835	205,793	1,244	1,384	89.9	32
1950	911	226,214	1,309	1,496	87.5	31
1951	1,053	253,232	1,491	1,652	90.3	30
1952	1,116	269,769	1,542	1,733	89.0	32
1953	1,166	285,456	1,578	1,804	87.5	31
1954	1,165	287,607	1,554	1,785	87.1	31
1955	1,272	308,266	1,625	1,876	86.6	29
1956	1,381	330,479	1,707	1,975	86.4	30
1957	1,482	348,460	1,794	2,045	87.7	31
1958	1,549	358,474	1,833	2,068	88.6	31
1959	1,681	380,987	1,933	2,161	89.4	30
1960	1,777	398,726	1,974	2,216	89.1	30
1961	1,913	414,411	2,044	2,265	90.2	29
1962	2,074	440,189	2,165	2,370	91.4	29
1963	2,159	463,054	2,216	2,458	90.2	29
1964	2,223	494,912	2,273	2,590	87.8	28
1965	2,359	535,924	2,380	2,770	85.9	33
1966	2,518	583,698	2,495	2,986	83.6	35
1967	2,676	625,576	2,626	3,170	82.8	35
1968	2,895	684,745	2,813	3,436	81.9	36
1969	3,119	746,449	2,979	3,708	80.3	40
1970	3,451	803,521	3,228	3,943	81.9	38
1971	3,774	858,620	3,447	4,164	82.8	37
1972	4,197	935,350	3,728	4,492	83.0	38
1973 ²	4,690	1,030,000	4,054	4,908	82.6	³

Source: Utah Foundation, U. S. Department of Commerce, Bureau of Economic Analysis.

¹ From 1948 to the present Utah's rank is shown for fifty states even though Alaska and Hawaii did not become states until 1960.

² These figures are estimates made by the Utah Foundation.

³ Figures not available.

Table 59. Monthly consumer price index, 1949-1973

Year	January	February	March	April	May	June	July	August	September	October	November	December	Average for year
1949	83.7	82.8	83.0	82.3	83.0	83.1	82.6	82.8	83.2	82.7	82.8	82.3	83.0
1950	82.0	81.8	82.1	82.2	82.6	83.0	83.9	84.5	85.1	85.6	86.0	87.1	83.8
1951	88.5	89.6	89.9	90.0	90.4	90.3	90.4	90.4	91.0	91.4	91.9	92.2	90.5
1952	92.2	91.6	91.6	92.0	92.1	92.4	93.0	93.2	93.0	93.1	93.2	93.0	92.5
1953	92.8	92.4	92.6	92.7	92.9	93.3	93.5	93.7	93.9	94.1	93.7	93.6	93.2
1954	93.9	93.7	93.6	93.4	93.7	93.8	93.9	93.7	93.5	93.3	93.4	93.2	93.6
1955	93.2	93.2	93.2	93.1	93.1	93.2	93.5	93.3	93.6	93.6	93.7	93.5	93.3
1956	93.4	93.4	93.5	93.6	94.1	94.7	95.4	95.2	95.4	95.9	96.0	96.2	94.7
1957	96.3	96.7	96.9	97.2	97.5	98.0	98.5	98.6	98.7	98.7	99.1	99.1	98.0
1958	99.7	99.8	100.5	100.7	100.7	100.8	101.0	100.8	100.8	100.8	101.0	100.8	100.7
1959	100.9	100.8	100.8	101.0	101.1	101.5	101.8	101.7	102.0	102.3	102.4	102.3	101.5
1960	102.2	102.4	102.4	102.9	102.9	103.1	103.2	103.2	103.3	103.7	103.8	103.9	103.1
1961	103.8	103.9	103.9	103.9	103.8	104.0	104.4	104.3	104.6	104.6	104.6	104.5	104.2
1962	104.5	104.8	105.0	105.2	105.2	105.3	105.5	105.5	106.1	106.0	106.0	105.8	105.4
1963	106.0	106.1	106.2	106.2	106.2	106.6	107.1	107.1	107.1	107.2	107.4	107.6	106.7
1964	107.7	107.6	107.7	107.8	107.8	108.0	108.3	108.2	108.4	108.5	108.7	108.8	108.1
1965	108.9	108.9	109.0	109.3	109.6	110.1	110.2	110.0	110.2	110.4	110.6	111.0	109.8
1966	111.0	111.6	112.0	112.5	112.6	112.9	113.3	113.8	114.1	114.5	114.6	114.7	113.1
1967	114.7	114.8	115.0	115.3	115.6	116.0	116.5	116.9	117.1	117.5	117.8	118.2	116.3
1968	118.6	119.0	119.5	119.9	120.4	120.9	121.5	121.9	122.2	122.9	123.4	123.7	121.2
1969	124.2	124.6	125.6	126.4	126.8	127.6	128.2	128.7	129.3	129.8	130.5	131.3	127.8
1970	131.8	132.5	133.2	134.0	134.6	135.2	135.6	136.0	136.6	137.4	137.8	138.5	135.2
1971	119.2	119.4	119.8	120.2	120.8	121.5	121.7	122.2	122.4	122.4	122.6	122.7	121.3
1972	123.2	123.8	124.0	124.3	124.7	125.0	125.5	125.7	126.2	126.6	126.9	127.2	125.3
1973	127.7	128.6	129.8	130.7	131.5	132.4	132.7	135.1	135.5	136.6	137.6	138.5	133.1

Source: Utah State Department of Employment Security report, U. S. Bureau of Labor Statistics, Utah Foundation.

Table 60. Employment and payroll of Utah's major metal industries, 1947-1972

Part I.

Year	Copper mining and milling		Lead-zinc mining and milling		Gold and silver mining and milling		Combined lead-zinc and gold-silver		Metal mining services	
	Employed	Payroll	Employed	Payroll	Employed	Payroll	Employed	Payroll	Employed	Payroll
1947	4,383	\$13,251,857	1,705	\$ 5,282,118	1,295	\$3,809,612	3,000	\$ 9,091,730		
1948	4,457	13,652,076	1,768	6,460,980	1,350	4,461,461	3,118	10,922,441		
1949	4,361	13,255,558	1,796	6,593,138	931	3,272,803	2,727	9,865,941		
1950	4,498	18,094,115	1,388	5,404,115	637	2,287,448	2,025	7,691,563		
1951	4,534	20,402,849	2,275 ¹	9,544,408 ¹	129 ¹	441,567 ¹	2,404	9,985,973		
1952	4,741	23,330,639	2,187	10,359,061	70	196,082	2,257	10,555,143		
1953	4,840	26,126,621	1,626	7,672,641	42	185,595	1,688	7,858,236		
1954	4,566	20,441,479	1,555	7,135,625	62	194,633	1,617	7,330,258		
1955	5,373	22,988,090	1,677	7,903,757	68	228,946	1,745	8,132,704		
1956	5,617	29,275,164	1,677	8,404,769	75	239,424	1,752	8,644,193		
1957	5,757	30,831,673 ²	1,349	7,140,830	58	184,353	1,407	7,325,183		
1958	4,536	24,756,232	1,096	5,914,779	61	286,374	1,157	6,201,153		
1959	3,774	22,833,383	1,021	5,505,451	45	209,542	1,066	5,714,993	417	\$2,963,192
1960	5,031	30,337,499	981	5,449,442	41 ³	166,221 ³	1,022	5,616,163	403	2,775,035
1961	5,162	31,702,452	932	5,225,320					608	4,237,886
1962	5,127	33,765,691	1,021	5,922,246					564	4,505,492
1963	4,804	32,470,479	1,120	6,479,636					534	4,648,331
1964	4,075	31,094,763	1,176	7,038,754					353	2,967,377
1965	5,557	40,968,119	1,130	7,319,088					270	2,244,514
1966	5,549	52,617,416	1,338	8,924,367					243	2,058,537
1967	4,194	33,059,619	1,059	7,220,701					522	4,344,784
1968	4,972	41,628,857	1,092	7,670,846					580	4,969,764
1969	6,244	54,556,552	1,226	9,226,708					670	6,057,580
1970	6,416	60,648,629	1,219	9,336,148					745	7,219,712
1971	6,009	58,991,977	1,118	9,017,961					509	5,364,154
1972	5,748	63,758,864	520	4,930,481					370	4,357,139

Part II.

Year	Iron mining		Steel plants		Uranium-vanadium-radium		Miscellaneous metal ores		Other metal industries	
	Employed	Payroll	Employed	Payroll	Employed	Payroll	Employed	Payroll	Employed	Payroll
1947	118	\$ 342,215	4,320	\$12,612,085			17	\$ 32,050		
1948	146	518,707	4,837	16,490,327			51	124,730		
1949	393	1,427,901	4,662	17,124,239			123	304,402		
1950	492	1,845,939	5,072	18,187,574			233	628,116		
1951	616	2,664,002	5,618	23,675,768			433	1,518,650		
1952	523	2,432,820	4,961	22,092,285			540	2,020,697		
1953	704	3,949,584	5,845	28,557,683			770	3,106,480		

Table 60. Employment and payroll of Utah's major metal industries, 1947-1972—continued

Part II.

Year	Iron mining		Steel plants		Uranium- vanadium-radium		Miscellaneous metal ores		Other metal industries	
	Employed	Payroll	Employed	Payroll	Employed	Payroll	Employed	Payroll	Employed	Payroll
1954	582	2,813,020	5,263	25,396,964			1,336	5,644,432		
1955	506	2,567,094	6,152	30,470,680	2,063	\$ 9,377,937	77 ⁴	291,743 ⁴		
1956	501	2,664,991	6,086	33,562,010	2,068	10,372,902	56	226,536		
1957	552	3,531,417	5,945	40,911,255	2,229	12,355,382	45	209,835		
1958	512	3,347,724	4,761	34,989,316	1,843	11,169,491	19 ⁵	69,000 ⁵		
1959	460	3,288,688	4,647	34,913,564	1,707	10,493,815	17	60,922		
1960	512	3,459,573	5,463	40,843,155	1,525	9,756,913	13	68,568		
1961	494	3,620,591	5,007	42,661,941	1,377	9,208,741	18	118,038	41	\$ 123,473
1962	406	3,113,346	5,552	44,405,246	1,094	7,535,000	6	6	26	136,480
1963	279	2,046,691	5,345	44,186,959	939	6,258,322	18	96,743	11	123,473
1964	249	1,902,208	5,714	47,760,161	826	5,856,680	24	142,593	28	123,645
1965	287	2,069,938	5,070	44,728,835	597	4,357,663	21	134,999	23	111,988
1966	258	2,059,356	4,939	44,917,171	531	3,870,348	13	103,163	21	99,265
1967	247	1,961,621	4,889	43,511,111	562	4,133,353				
1968	238	1,877,082	5,230	52,090,570	553	4,056,055				
1969	255	2,093,711	5,100	51,000,000	512	4,026,510				
1970 ⁸	272	2,267,058					449 ⁷	3,953,492	235	1,909,007
1971	286	2,378,305					434 ⁷	4,053,868	209	1,743,479
1972	268	2,560,076					541 ⁷	4,981,196	205	1,073,013

Source: Utah State Department of Employment Security Reports.

¹ USDES changed its method of segregating lead-zinc and gold-silver mines after finding that many mines it had been classifying as gold-silver were actually lead-zinc. The change was made in 1951.² Figures down to and including 1956 are Kennecott figures only. In 1957, USDES began giving a separate category for copper, and figures from that time on are theirs.³ Gold and silver reported under "Other Metal Mining (Misc.);" after 1960.⁴ Uranium taken out of this category beginning with 1955.⁵ Change in reporting.⁶ Included with uranium for this one year.⁷ Includes uranium-vanadium-radium.⁸ Steel plant statistics for public information discontinued by USDES.

Table 61. Utah's mineral industries' payroll, 1949-1972
[reported in thousands of dollars]

Part I.

Year	Metal mining industries									
	Copper		Iron		Lead-zinc		Uranium		Other	
	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll
1949			393	\$1,428						
1950			492	1,846						
1951			616	2,664	2,275	\$ 9,544				
1952			523	2,433	2,187	10,359				
1953			704	3,950	1,626	7,673				
1954			582	2,813	1,555	7,136				
1955			506	2,567	1,677	7,904	2,063			
1956			501	2,665	1,677	8,405	2,012			
1957	5,757	\$30,832	552	3,531	1,349	7,141	2,229	\$12,355	175	
1958	4,536	24,756	512	3,348	1,096	5,915	1,843	11,169	379	
1959	3,774	22,833	460	3,289	1,021	5,505	1,707	10,494	479	
1960	5,031	30,337	512	3,460	981	5,449	1,525	9,757	457	
1961	5,162	31,702	494	3,621	932	5,225	1,377	9,209	608	
1962	5,127	33,766	406	3,113	1,021	5,922	1,094	7,536	590	
1963	4,804	32,470	279	2,047	1,120	6,480	939	6,258	574	
1964	4,075	31,095	249	1,902	1,176	7,039	826	5,857	405	
1965	5,557	40,968	287	2,070	1,130	7,319	597	4,358	313	
1966	5,549	42,617	258	2,059	1,338	8,294	531	3,870	277	
1967	4,194	33,060	247	1,962	1,059	7,221	562	4,133	522	
1968	4,972	41,629	238	1,877	1,092	7,671	553	4,056	580	
1969	6,244	54,557	255	2,094	1,226	9,227	512	4,027	670	
1970	6,416	60,649	272	2,267	1,219	9,336	449	3,953	745	
1971	6,009	58,992	286	2,378	1,118	9,018	434	4,054	718	
1972	5,748	63,759	268	2,561	520	4,931	541	4,981	547	
1973 ¹										

Part II.

Year	Metal mining totals		Fossil fuels				Non-metallics		Mineral industry totals	
			Coal		Petroleum and natural gas					
	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll
1949	7,322	\$25,129	4,589	\$16,399	386	\$ 1,583	482	\$ 1,402	12,779	\$ 44,513
1950	7,310	28,772	4,289	16,299	269	1,079	476	1,443	12,344	47,593
1951	8,227	35,986	3,971	16,766	607	2,802	816	1,803	13,621	57,357
1952	8,343	40,247	3,780	11,779	928	4,534	471	1,924	13,822	58,484
1953	8,272	42,831	4,044	20,378	846	4,343	519	2,202	13,681	69,754
1954	8,461	38,735	3,163	13,008	917	4,667	562	2,426	13,103	58,836
1955	9,677	47,030	2,988	15,202	978	5,144	648	2,825	14,291	70,201
1956	10,532	54,472	3,085	16,927	1,247	6,833	748	3,475	15,612	81,707
1957	10,062	54,818	3,300	19,264	1,976	10,911	818	4,010	16,156	89,003
1958	8,366	47,664	2,943	16,374	1,994	11,521	833	4,214	14,136	79,773
1959	7,441	45,355	2,526	14,357	1,836	10,668	890	4,703	12,693	75,083
1960	8,506	51,945	2,493	15,075	1,922	10,871	923	5,160	13,844	83,051
1961	8,573	53,995	2,331	14,145	1,950	11,899	905	5,249	13,759	85,288
1962	8,238	54,979	2,057	11,360	1,869	11,393	949	5,609	13,113	83,341
1963	7,716	52,124	1,750	10,635	1,483	9,478	939	5,753	11,888	77,990
1964	6,731	49,126	1,623	10,897	1,198	7,931	1,024	6,625	10,576	74,479
1965	7,884	57,206	1,557	9,757	1,062	7,247	1,356	9,664	11,859	83,874
1966	7,953	59,732	1,390	9,120	1,008	7,188	1,400	10,268	11,751	86,308
1967	6,584	50,720	1,281	9,570	1,002	7,428	1,425	10,789	10,292	78,507
1968	7,435	60,203	1,174	8,684	961	7,510	1,319	10,846	10,889	87,243
1969	8,907	75,961	1,263	10,978	1,081	8,558	1,241	10,335	12,492	105,832
1970	9,101	83,425	1,368	12,998	1,118	9,582	1,072	9,075	12,659	115,080
1971	8,565	81,550	1,430	13,881	1,344	11,939	884	7,728	12,223	115,098
1972	7,624	82,152	1,544	16,902	2,020	19,323	846	7,816	12,034	126,193

Source: Utah State Department of Employment Security reports.

¹ Not available.

Table 62. Employment in Utah's mineral industries, 1918-1969
[reported in thousands of dollars]

Part I.

[illegible]

Part II.

[illegible]

Table 62. Employment in Utah's mineral industries, 1918-1969—continued

Part I.

Year	Mining		Smelting ¹		Total mining and smelting		Percent state		Iron and steel		Percent state		Ferrous and non-ferrous	
	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll
1933														4,521
1934														5,637
1935														7,658
1936														11,217
1937													11,935	20,642
1938													9,566	14,710
1939													10,703	16,730
1940													12,114	19,748
1941													13,000	23,378
1942	8,663	\$18,350	3,292	\$ 7,305	11,955	\$25,655	10.24	12.28	883	\$ 1,874	0.76	0.89	12,838	25,529
1943	8,592	20,996	3,144	8,061	11,736	29,057	9.55	11.33	1,807	4,714	1.47	1.84	13,543	33,771
1944	7,338	18,892	2,919	7,669	10,257	26,561	10.22	12.96	4,252	10,717	4.24	5.23	14,509	37,277
1945	6,399	16,578	1,969	6,775	8,368	23,353	8.60	11.78	4,635	10,534	4.76	5.31	13,003	33,887
1946	4,945	13,679	1,894	5,277	6,839	18,955	6.36	8.20	2,208	5,858	2.05	2.53	9,047	24,813
1947	6,827	22,458	2,822	8,872	9,649	31,330	7.99	10.81	4,438	12,954	3.67	4.47	15,669	44,284
1948	7,156	25,612	2,780	8,109	9,936	35,721	7.91	10.76	4,983	13,271	3.97	4.00	14,919	48,992

Part II.

Year	Percent state		Coal and coke		Percent state		Other minerals		Percent state		Total mineral industry		Percent state	
	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll
1933														
1934														
1935														
1936														
1937	16.73	22.08	3,138	4,679	4.34	5.00	552	711	0.76	0.76	15,625	26,032	21.60	27.84
1938	14.13	17.64	2,516	3,517	3.72	4.22	512	580	0.76	0.70	12,594	18,808	18.61	22.56
1939	14.58	18.16	2,575	3,554	3.51	3.86	524	638	0.71	0.69	13,802	20,922	18.80	22.71
1940	14.96	19.19	2,560	3,951	3.16	3.84	526	624	0.65	0.61	15,200	24,324	18.77	23.64
1941	14.21	18.47	2,878	5,087	3.14	4.02	563	815	0.62	0.64	16,448	29,280	17.97	23.13
1942	11.00	13.17	3,476	7,887	2.98	3.77	663	1,130	0.57	0.54	16,977	36,546	14.54	17.49
1943	11.03	13.17	3,830	10,372	3.12	4.04	666	1,297	0.54	0.51	18,039	45,439	14.69	17.72
1944	14.46	18.19	4,294	12,894	4.28	6.29	690	1,590	0.69	0.78	19,493	51,762	19.42	25.26
1945	13.36	17.09	4,157	13,048	4.27	6.58	651	1,583	0.67	0.80	17,811	48,518	18.30	24.47
1946	8.42	10.73	3,957	12,694	3.68	5.49	757	1,949	0.70	0.80	13,761	39,456	12.80	17.07
1947	12.97	15.28	4,663	16,996	3.86	5.86	884	2,653	0.73	0.92	21,216	63,933	17.56	22.06
1948	11.88	14.76	4,456	17,901	3.55	5.39	816	2,627	0.65	0.79	20,191	69,520	16.07	20.94

Table 62. Employment in Utah's mineral industries, 1918-1969—continued

Part I.														
Year	Mining		Smelting ¹		Total mining and smelting		Percent state		Iron and steel		Percent state		Ferrous and non-ferrous	
	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll
1949	6,929	23,703	2,837	10,011	9,766	33,714	7.83	9.90	5,055	18,552	4.05	5.45	14,821	52,266
1950	6,819	26,962	2,762	10,590	9,581	37,552	7.48	10.18	5,564	20,034	4.35	5.43	15,145	57,586
1951	7,520	32,956	3,286	14,389	10,806	47,345	7.96	11.06	6,234	26,340	4.59	6.15	17,040	73,684
1952	7,728	37,341	3,427	17,057	11,155	54,397	8.08	11.92	5,484	24,525	3.97	5.37	16,639	78,923
1953	7,487	38,423	3,221	16,636	10,708	55,058	7.50	11.18	6,549	32,507	4.59	6.60	17,257	87,566
1954	7,717	35,247	3,196	14,614	10,913	49,861	7.70	10.32	5,845	28,210	4.13	5.78	16,758	78,071
1955	8,923	43,239	3,193	15,419	12,116	58,658	7.93	10.55	6,658	33,038	4.36	5.94	18,774	91,696
1956	9,937	51,292	3,552	18,375	13,489	69,665	8.33	11.20	6,086 ³	36,227	3.76	5.83	19,575	105,892
1957	9,581	51,720	3,437	18,369	13,018	70,089	7.83	10.36	6,497	44,443	3.91	6.57	19,515	114,532
1958	7,855	44,316	3,003	16,705	10,858	61,021	6.57	8.85	5,273	38,337	3.19	5.56	16,131	99,358
1959	6,981	42,066	2,248	12,879	9,229	54,945	5.32	7.32	5,107	38,202	2.89	5.09	14,236	93,147
1960	7,994	48,485	2,684	15,384	10,678	63,869	5.85	7.86	5,975	44,303	3.27	5.46	16,653	108,172
1961	8,079	50,374	2,710	16,172	10,789	66,545	5.73	7.59	5,501	46,283	2.92	5.28	16,290	112,848
1962	7,832	51,866	2,531	15,836	10,363	67,702	5.22	7.08	5,958	47,519	3.00	4.97	16,321	115,220

Part II.														
Year	Percent state		Coal and coke		Percent state		Other minerals		Percent state		Total mineral industry		Percent state	
	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll
1949	11.88	15.36	4,588	16,399	3.68	4.82	868	2,985	0.70	0.88	20,277	71,650	16.26	21.05
1950	11.83	15.61	4,289	16,299	3.35	4.42	745	2,521	0.58	0.68	20,179	76,406	15.76	20.70
1951	12.80	17.22	3,971	16,766	2.93	3.92	1,123	4,606	0.83	1.08	22,134	95,055	16.31	22.21
1952	12.05	17.29	3,780	17,779	2.74	3.89	1,399	6,458	1.01	1.41	21,818	103,159	15.80	22.60
1953	12.09	17.78	4,044	20,378	2.83	4.14	1,365	6,545	0.96	1.33	22,666	114,488	15.88	23.25
1954	11.83	16.00	3,163	13,008	2.23	2.67	1,479	7,093	1.04	1.45	21,400	78,173	15.11	20.12
1955	12.30	16.49	2,967	15,202	1.94	2.73	16,26	7,968	1.07	1.43	23,367	114,865	15.31	20.66
1956	12.09	17.03	3,071	16,927	1.90	2.72	1,995	10,208	1.23	1.64	24,641	113,027	14.61	21.39
1957	11.73	16.94	3,272	19,264	1.97	2.85	2,794	14,921	1.68	2.21	25,581	148,717	15.38	21.99
1958	9.76	14.42	2,943	16,374	1.78	2.38	8,151	44,870 ⁴	4.93	6.51	27,225	160,602	16.48	23.30
1959	8.21	12.40	2,526	14,357	1.46	1.91	7,781	43,450	4.49	5.79	24,543	150,960	14.15	20.10
1960	9.13	13.32	2,493	15,075	1.37	1.86	6,983	39,590	3.82	4.88	26,129	162,836	14.32	20.05
1961	8.65	12.87	2,331	14,145	1.24	1.61	6,836	40,344	3.63	4.60	25,457	167,317	13.51	19.08
1962	8.22	12.05	2,057	11,361	1.04	1.19	6,776	40,484	3.41	4.24	25,154	167,065	12.68	17.48

Table 62. Employment in Utah's mineral industries, 1918-1969—continued

Part I.

Year	Mining		Smelting ¹		Total mining and smelting		Percent state		Iron and steel		Percent state		Ferrous and non-ferrous	
	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll
1963	7,337	50,077	2,378	14,805	9,715	64,882	4.80	6.55	5,624	46,234	2.78	4.67	15,339	111,116
1964	6,422	47,224	2,178	14,140	8,600	61,364	4.32	6.12	5,963	49,662	3.00	4.95	14,563	110,526
1965	7,578	55,136	2,300	15,230	9,878	70,366	4.96	6.85	5,357	46,799	2.69	4.56	15,235	117,165
1966	7,695	57,673	2,560	16,925	10,255	74,598	5.01	6.91	5,197	46,977	2.54	4.35	15,432	121,575
1967	6,337	48,758	1,694	12,462	8,031	61,220	4.25	5.59	5,136	45,473	2.52	4.16	13,167	106,693
1968	7,197	58,326	1,951	15,091	9,148	73,416	4.32	6.20	5,468	53,963	2.58	4.56	14,616	127,384
1969	7,982	67,810	2,510	20,000	10,492	87,810	4.21		6,244	53,094	2.50		16,736	140,903
1970 ⁵														

Part II.

Year	Percent state		Coal and coke		Percent state		Other minerals		Percent state		Total mineral industry		Percent state	
	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll	Number employed	Payroll
1963	7.59	11.21	1,750	10,635	0.87	1.07	6,463	39,792	3.20	4.02	23,552	161,543	11.65	16.30
1964	7.32	11.02	1,623	10,897	0.82	1.09	6,222	39,772	3.13	3.97	22,408	161,195	11.27	16.07
1965	7.66	11.53	1,557	9,757	0.78	0.95	6,655	45,834	3.34	4.98	23,447	172,756	11.78	16.83
1966	7.55	11.26	1,390	9,120	0.68	0.84	6,619	45,520	3.24	4.22	23,461	176,215	11.47	16.33
1967	5.76	9.75	1,281	9,570	0.79	0.81	6,301	44,924	3.06	4.39	20,749	161,186	10.16	14.73
1968	6.90	10.76	1,174	8,684	0.55	0.73	6,313	47,406	2.98	4.00	22,103	183,473	10.44	15.49
1969	6.71		1,263	10,978	0.51		6,949	55,158	2.79		24,948		10.00	
1970 ⁵														

Source: Utah State Department of Employment Security reports.

¹ Includes Kennecott Smelter and Refinery and International Smelting (Tooele).² Blanks in columns indicate data was not available for that year.³ Beginning with 1956 these figures include iron ore mining, Geneva Works, and Consolidated Western Steel.⁴ Beginning in 1958 these figures include people and payroll data from "processing" of other minerals as well as mining.⁵ This type of public reporting discontinued by Utah State Department of Employment Security.

Table 63. Utah mineral industry tax valuation, by county, 1970-1973
 [statistics include metals, nonmetals, coal, oil, and gas]

County	Assessed valuation			Property tax		
	County property	Mineral property	Percent	County property	Mineral property	Percent
1970						
Beaver	\$ 7,691,130	\$ 200,045	2.60	\$ 573,311	\$ 13,584	2.37
Box Elder	65,054,315	228,969	0.35	4,445,561	14,127	0.32
Cache	51,722,855	8,388	0.02	3,929,140	540	0.01
Carbon	33,639,907	7,284,332	21.65	2,605,848	526,419	20.20
Daggett	2,162,129	—	—	140,795	—	—
Davis	105,344,731	—	—	9,204,433	—	—
Duchesne	15,681,136	2,971,854	18.95	1,164,464	203,542	17.48
Emery	10,188,282	1,436,425	14.09	734,463	95,515	13.00
Garfield	7,496,638	2,453,897	32.73	486,559	142,819	29.35
Grand	22,226,168	5,399,665	24.29	1,456,311	327,760	22.51
Iron	31,846,118	12,875,585	40.43	2,177,509	771,892	35.45
Juab	10,390,427	403,749	3.86	732,449	26,160	3.57
Kane	4,751,511	29,569	0.62	351,786	1,964	0.56
Millard	19,325,179	1,724,051	8.92	1,334,084	111,105	8.33
Morgan	10,203,700	1,799,231	17.63	730,281	124,866	17.10
Piute	2,756,137	336,063	12.19	186,246	21,452	11.52
Rich	5,110,517	205,995	4.03	316,020	12,462	3.95
Salt Lake	927,683,269	226,523,131	24.42	81,728,367	16,648,372	20.37
San Juan	47,426,441	32,740,071	69.03	2,556,999	1,728,675	67.61
Sanpete	15,122,426	28,200	0.18	1,123,435	1,913	0.16
Sevier	16,789,120	870,501	5.18	1,104,191	53,422	4.84
Summit	20,746,882	3,295,679	15.88	1,357,758	202,698	14.93
Tooele	29,203,740	2,457,924	8.41	2,169,861	141,881	6.54
Uintah	34,579,514	16,357,923	47.31	2,311,195	1,052,960	45.56
Utah	173,127,628	2,015,489	1.16	14,045,455	130,763	0.93
Wasatch	12,252,153	3,961,206	32.33	886,934	272,530	30.73
Washington	14,295,399	26,091	0.18	1,088,141	1,676	0.15
Wayne	1,920,601	—	—	125,762	—	—
Weber	148,772,199	450,948	0.30	15,054,609	34,314	0.23
Total	\$1,847,510,322	\$326,084,981	17.65	\$154,121,967	\$22,663,411	14.70
1971						
Beaver	\$ 7,516,765	\$ 224,000	2.98	\$ 555,073	\$ 14,979	2.70
Box Elder	64,831,415	216,584	0.33	4,497,428	13,580	0.30
Cache	53,075,714	8,476	0.02	4,018,561	545	0.01
Carbon	34,270,426	7,747,732	22.61	2,698,214	568,923	21.09
Daggett	2,329,381	—	—	150,046	—	—
Davis	107,951,799	—	—	9,575,501	—	—
Duchesne	17,436,602	3,982,503	22.84	1,281,308	270,769	21.13
Emery	10,068,284	1,441,906	14.32	736,047	97,321	13.22
Garfield	7,866,669	2,514,801	31.97	509,167	146,364	28.75
Grand	18,722,046	2,224,902	11.88	1,350,769	146,176	10.82
Iron	33,893,865	14,881,758	43.91	2,319,682	899,602	38.78
Juab	10,576,978	621,888	5.88	761,664	41,083	5.40
Kane	4,518,361	29,528	0.65	336,454	1,961	0.58
Millard	19,898,459	1,583,845	7.96	1,398,075	104,441	7.47
Morgan	10,409,992	1,753,650	16.85	747,951	122,143	16.33
Piute	3,048,764	546,557	17.93	210,617	35,418	16.82
Rich	5,256,427	201,834	3.84	332,650	12,453	3.74
Salt Lake	1,026,470,620	302,109,416	29.43	92,635,864	22,500,289	24.29
San Juan	46,839,931	32,333,631	69.03	2,535,855	1,710,448	67.45
Sanpete	14,993,495	25,270	0.17	1,136,029	1,758	0.15
Sevier	17,038,574	858,394	5.04	1,120,097	52,685	4.70
Summit	20,989,517	3,215,772	15.32	1,367,944	197,518	14.44
Tooele	29,254,530	2,518,636	8.61	2,190,683	146,614	6.69
Uintah	35,182,668	16,585,665	47.14	2,354,634	1,068,978	45.40
Utah	179,018,929	1,511,346	0.84	14,807,757	100,032	0.67
Wasatch	12,653,356	3,930,419	31.06	976,572	287,552	29.44
Washington	16,556,427	24,285	0.15	1,257,310	1,561	0.12

Table 63. Utah mineral industry tax valuation, by county, 1970-1973—continued

County	Assessed valuation			Property tax		
	County property	Mineral property	Percent	County property	Mineral property	Percent
1971						
Wayne	1,938,560	—	—	121,035	—	¹
Weber	153,428,240	1,446,003	0.94	15,897,375	110,944	0.70
Total	\$1,966,036,794	\$402,538,801	20.47	\$167,880,362	\$28,654,137	17.07
1972						
Beaver	\$ 8,026,828	\$ 198,586	2.47	\$ 653,274	\$ 14,854	2.28
Box Elder	67,451,924	212,888	0.32	4,502,838	12,794	0.28
Cache	56,495,450	8,453	0.01	3,987,912	521	0.01
Carbon	34,084,070	7,963,033	23.36	2,574,546	558,057	21.67
Daggett	2,852,107	340,772	11.95	155,937	17,670	11.33
Davis	115,892,461	—	—	9,976,894	—	²
Duchesne	24,931,482	7,022,428	28.17	1,464,052	379,014	25.89
Emery	13,852,358	1,406,625	10.15	836,962	78,538	9.39
Garfield	10,483,528	3,320,162	31.67	538,452	154,552	28.70
Grand	19,400,707	2,105,790	10.85	1,348,638	133,929	9.93
Iron	32,813,326	13,328,552	40.62	2,173,035	771,056	35.48
Juab	10,747,196	515,916	4.80	758,207	33,262	4.39
Kane	6,262,359	33,499	0.53	380,161	1,854	0.49
Millard	20,300,604	1,599,322	7.88	1,359,773	100,503	7.39
Morgan	11,701,082	1,744,475	14.91	783,263	112,902	14.41
Piute	3,103,908	523,548	16.88	208,409	32,705	15.69
Rich	7,535,333	133,213	1.77	354,831	6,120	1.73
Salt Lake	1,056,595,963	297,472,063	28.15	92,598,734	21,653,402	23.38
San Juan	46,656,751	31,651,847	67.20	2,412,659	1,595,253	66.12
Sanpete	15,833,294	18,535	0.12	1,167,993	1,294	0.11
Sevier	17,707,333	846,541	4.78	1,153,476	51,479	4.46
Summit	25,033,056	2,734,088	10.92	1,466,774	141,256	9.63
Tooele	33,829,247	6,223,178	18.40	2,470,993	360,038	14.57
Uintah	36,103,128	16,861,553	46.70	2,363,557	1,063,217	44.99
Utah	187,328,211	1,434,420	0.77	14,806,029	89,261	0.60
Wasatch	18,084,454	4,001,930	22.13	1,155,986	244,200	21.12
Washington	18,312,370	23,833	0.13	1,349,318	1,470	0.11
Wayne	2,639,401	—	—	127,964	—	²
Weber	156,459,918	1,471,218	0.94	16,077,217	111,124	0.69
Total	\$2,060,517,849	\$403,196,468	19.57	\$169,207,884	\$27,719,845	16.38
1973						
Beaver	\$ 8,400,983	\$ 327,441	3.90	\$ 646,111	\$ 23,063	3.57
Box Elder	71,415,104	176,935	0.25	4,823,531	10,816	0.22
Cache	59,526,033	8,426	0.01	4,024,763	494	0.01
Carbon	35,106,215	8,101,325	23.08	2,595,612	550,415	21.20
Daggett	2,735,214	298,884	10.93	146,930	15,157	10.31
Davis	123,612,039	—	—	10,258,822	—	¹
Duchesne	33,195,478	11,626,820	35.03	1,884,539	607,794	32.25
Emery	23,074,771	1,951,987	8.46	1,304,192	104,029	7.98
Garfield	11,262,591	3,974,657	35.29	574,658	182,558	31.77
Grand	20,115,398	2,126,037	10.57	1,414,899	137,343	9.70
Iron	32,058,320	10,622,447	33.13	2,310,858	666,028	28.82
Juab	10,916,197	538,900	4.94	784,911	35,518	4.53
Kane	6,483,810	31,560	0.49	386,115	1,709	0.44
Millard	26,675,586	1,435,862	5.38	1,385,710	70,303	5.07
Morgan	12,057,781	1,681,902	13.95	786,030	105,876	13.47
Piute	2,957,767	316,709	10.71	192,023	18,967	9.88
Rich	8,036,025	231,208	2.88	426,285	11,973	2.81
Salt Lake	1,057,129,783	252,390,375	23.88	90,539,328	17,945,661	19.82
San Juan	46,995,801	32,245,233	68.61	2,398,802	1,601,621	66.77
Sanpete	16,050,682	21,785	0.14	1,141,254	1,460	0.13

Table 63. Utah mineral industry tax valuation, by county, 1970-1973—continued

County	Assessed valuation			Property tax		
	County property	Mineral property	Percent	County property	Mineral property	Percent
1973						
Sevier	18,531,177	869,927	4.69	1,155,723	50,789	4.40
Summit	25,693,914	3,380,243	13.16	1,484,245	168,580	11.36
Tooele	36,671,144	7,838,508	21.38	2,642,648	451,505	17.08
Uintah	41,810,862	15,279,197	36.54	2,477,829	873,336	35.24
Utah	198,194,451	1,659,775	0.84	15,229,231	99,111	0.65
Wasatch	18,004,646	4,190,432	23.27	1,245,674	273,639	21.97
Washington	33,242,213	21,265	0.06	1,928,972	1,060	0.06
Wayne	2,736,740	280,974	10.27	137,367	—	¹
Weber	162,557,253	24,174,391	14.87	16,314,045	108,822	0.67
Total	\$2,145,247,978	\$362,828,583	16.91	\$170,641,107	\$24,117,627	14.13

Sources: Utah State Tax Commission, Property Tax Division, "Statistical Study of Assessed Valuations."

¹ Information withheld by reporting agency to avoid disclosing individual firm data.

Table 64. Assessed valuation of Utah property, 1947-1973
[reported in thousands of dollars]

Tax year	All Utah property	Utah mines	Percent of total	Oil and gas properties	Percent of total	Combined mines, oil and gas	Percent of total
1947	\$ 681,587	\$ 91,634	13.44				
1948	765,372	142,173	18.58				
1949	823,749	171,567	20.83				
1950	848,380	180,987	21.33				
1951	903,031	181,722	20.12				
1952	961,751	200,287	20.83				
1953	1,025,195	248,045	24.20				
1954	1,072,424	277,535	25.88				
1955	1,104,717	280,866	25.42				
1956	1,164,886	321,184	27.57				
1957	1,252,342	349,348	27.90				
1958	1,307,345	355,359	27.18				
1959	1,316,293	343,204	26.07				
1960	1,328,627	296,652	22.33				
1961	1,343,838	286,893	21.35				
1962	1,381,901	285,584	20.67				
1963	1,451,173	236,395	16.29	\$66,987	4.62	\$303,382	20.91
1964	1,496,901	210,964	14.09	67,054	4.48	278,017	18.57
1965	1,528,768	208,226	13.62	57,461	3.76	265,687	17.38
1966	1,540,955	191,157	12.41	50,889	3.30	242,046	15.71
1967	1,620,000	209,500	12.93	49,600	3.06	259,100	15.99
1968	1,661,213	200,703	12.08	50,429	3.04	251,132	15.12
1969	1,738,491	217,451	12.51	49,954	2.87	267,405	15.38
1970	1,847,510	274,244	14.84	51,841	2.81	326,085	17.65
1971	1,966,037	349,796	17.79	52,742	2.68	402,539	20.47
1972	2,060,518	346,248	16.80	56,948	2.76	403,196	19.56
1973	2,145,248	301,941	14.07	60,887	2.84	362,807	16.91

Source: Utah State Tax Commission, Property Tax Division.

Table 65. Assessed value of mineral resources in Utah, 1955-1973
[reported in thousands of dollars]

Tax year	Total assessments	Nonferrous mines	Percent of total	Iron mines	Percent of total	Uranium mines	Percent of total	Coal mines	Percent of total	Oil and gas	Percent of total	Industrial minerals	Percent of total
1955	\$280,512	\$223,875	79.8	\$28,804	10.3	\$3,302	1.2	\$12,336	4.4	\$5,733	2.0	\$6,462	2.3
1956	321,184	256,809	80.0	30,656	9.5	8,945	2.8	12,306	3.8	5,711	1.8	6,757	2.1
1957	349,348	277,658	79.5	31,252	8.9	15,691	4.5	11,469	3.3	6,381	1.8	6,897	2.0
1958	355,358	262,661	73.9	36,942	10.4	25,469	7.2	12,665	3.6	10,529	2.9	7,092	2.0
1959	343,196	195,251	56.9	35,823	10.4	35,933	10.5	13,864	4.0	55,328	16.1	6,997	2.1
1960	296,652	117,008	39.5	30,085	10.1	43,180	14.6	13,701	4.6	85,567	28.8	7,111	2.4
1961	286,893	120,048	41.8	26,646	9.3	42,135	14.7	12,562	4.4	78,851	27.5	6,651	2.3
1962	285,584	133,870	47.0	27,203	9.5	35,044	12.3	11,720	4.1	70,156	24.6	7,591	2.4
1963	303,382	158,708	52.3	26,510	8.7	29,848	9.8	11,185	3.7	66,987	22.0	9,925	3.1
1964	278,017	139,224	50.1	21,570	7.8	29,559	10.6	10,600	3.8	67,054	24.1	9,792	3.5
1965	265,687	137,824	52.0	15,750	5.9	34,884	13.1	10,135	3.8	57,461	21.6	9,633	3.6
1966	242,046	148,283	61.3	14,758	6.1	8,499	3.5	9,068	3.7	50,889	21.0	10,549	4.4
1967	259,100	168,298	65.0	15,674	6.1	5,237	2.0	8,630	3.3	49,600	19.1	11,146	4.3
1968	251,132	159,750	63.6	14,845	5.9	5,437	2.2	8,010	3.2	50,429	20.1	12,661	5.0
1969	267,405	178,466	66.7	13,763	5.1	5,841	2.2	8,261	3.1	49,955	18.7	11,119	4.2
1970	326,084	236,134	72.4	13,032	4.0	4,745	1.5	8,539	2.6	51,840	15.9	11,794	3.6
1971	402,539	311,606	77.4	14,838	3.6	4,530	1.1	9,060	2.3	52,742	13.1	9,763	2.4
1972	403,196	306,908	76.1	13,286	3.3	3,429	0.8	9,317	2.3	56,948	14.1	13,308	3.3
1973	362,807	262,935	72.5	10,544	2.9	3,154	0.9	9,988	2.8	60,887	16.8	15,319	4.2

Source: Utah State Tax Commission, Property Tax Division.

Table 66. Assessed values of Utah's metal mines, 1955-1973
[reported in thousands of dollars¹]

Assessment year	Total net proceeds	Nonferrous mines	Percent of total	Iron mines	Percent of total	Uranium mines	Percent of total
1955	\$220,749	\$192,126	87	\$26,346	12	\$ 2,277	1
1956	259,397	224,324	86	28,033	11	7,040	3
1957	290,339	247,063	85	29,313	10	13,963	5
1958	291,040	233,271	80	34,871	12	22,898	8
1959	234,047	166,299	71	33,732	14	34,016	15
1960	150,720	81,410	54	27,913	19	41,397	27
1961	149,854	84,571	57	24,626	16	40,657	27
1962	152,089	97,764	64	24,861	16	29,464	20
1963	174,282	122,505	70	24,338	14	27,439	16
1964	148,544	100,600	68	19,285	13	28,659	19
1965	145,062	97,177	67	13,596	9	34,289	24
1966	120,110	100,831	84	11,357	9	7,922	7
1967	124,382	105,790	86	13,842	10	4,750	4
1968	113,652	95,458	84	13,249	12	4,945	4
1969	130,510	113,198	87	11,938	9	5,374	4
1970	186,480	171,227	92	11,243	6	4,010	2
1971	263,517	246,596	94	13,449	5	3,472	1
1972	259,317	245,069	95	11,948	5	2,300	1
1973	215,438	204,510	95	9,271	4	1,657	1

Source: Utah State Tax Commission, Property Tax Division.

¹ Based on net proceeds.

Table 67. Assessed valuation of mineral resources and materials in Utah, 1963-1973
[reported in thousands of dollars]

Mineral resource and net summary	Net proceeds	Lands and claims	Machinery, supplies and improvements	Total
1963 ¹				
Metal mines except iron and uranium	\$122,505	\$ 1,296	\$35,756	\$159,557
Iron mines	24,338	53	2,119	26,510
Uranium mines	27,439	4	2,405	29,848
Coal mines		3,060	8,125	11,185
Oil and gas		63,526	3,461	66,987
Industrial minerals		1,603	7,692	9,295
Net summary	\$174,282	\$69,542	\$59,558	\$303,382
1964 ¹				
Metal mines except iron and uranium	\$100,600	\$ 1,293	\$37,549	\$139,442
Iron mines	19,285	53	2,232	21,570
Uranium mines	28,659	4	896	29,559
Coal mines		2,820	7,780	10,600
Oil and gas		63,167	3,887	67,054
Industrial minerals		1,580	8,212	9,792
Net summary	\$148,544	\$68,917	\$60,556	\$278,017

Table 67. Assessed valuation of mineral resources and materials in Utah, 1963-1973—continued

Mineral resource and net summary	Net proceeds	Lands and claims	Machinery, supplies and improvements	Total
1965 ¹				
Metal mines except iron and uranium	\$ 97,177	\$ 1,291	\$39,396	\$137,824
Iron mines	13,596	52	2,102	15,750
Uranium mines	34,289	5	590	34,884
Coal mines		2,601	7,534	10,135
Oil and gas		53,041	4,420	57,461
Industrial minerals		1,541	8,092	9,633
Net summary	\$145,062	\$58,531	\$62,094	\$265,687
1966 ¹				
Metal mines except iron and uranium	\$100,831	\$ 1,288	\$46,164	\$148,283
Iron mines	12,924	51	1,783	14,758
Uranium mines	7,937	6	556	8,499
Coal mines		2,366	6,702	9,068
Oil and gas		45,965	4,924	50,889
Industrial minerals		1,500	9,049	10,549
Net summary	\$121,692	\$51,176	\$69,178	\$242,046
1967 ¹				
Metal mines except iron and uranium	\$105,769	\$ 1,236	\$62,555	\$169,560
Iron mines	13,143	38	1,795	14,976
Uranium mines	4,722	2	444	5,168
Coal mines		2,386	6,244	8,630
Oil and gas		44,262	5,320	49,582
Industrial minerals		1,479	9,668	11,147
Net summary	\$123,634	\$49,403	\$86,026	\$259,063
1968 ¹				
Metal mines except iron and uranium	\$ 95,458	\$ 1,329	\$63,547	\$160,334
Iron mines	13,249	51	1,545	14,845
Uranium mines	4,945	7	485	5,437
Coal mines		2,211	5,799	8,010
Oil and gas		44,550	5,877	50,427
Industrial minerals		1,661	11,000	12,661
Net summary	\$113,652	\$49,809	\$88,253	\$251,714
1969				
Metal mines except iron and uranium	\$113,198	\$ 1,380	\$63,914	\$178,492
Iron mines	11,938	69	1,756	13,763
Uranium mines	5,374	4	463	5,841
Coal mines		2,355	5,906	8,261
Oil and gas		44,007	5,948	49,955

Table 67. Assessed valuation of mineral resources and materials in Utah, 1963-1973—continued

Mineral resource and net summary	Net proceeds	Lands and claims	Machinery, supplies and improvements	Total
1969				
Industrial minerals		1,441	9,678	11,119
Net summary	\$130,510	\$49,256	\$87,665	\$267,431
1970				
Metal mines except iron and uranium	\$171,227	\$ 1,349	\$63,358	\$236,134
Iron mines	11,243	47	1,742	13,032
Uranium mines	4,010	5	730	4,745
Coal mines		2,161	6,378	8,539
Oil and gas		45,805	6,035	51,840
Industrial minerals		1,726	10,068	11,794
Net summary	\$186,480	\$51,293	\$88,311	\$326,084
1971				
Metal mines except iron and uranium	\$246,596	\$ 1,477	\$63,533	\$311,606
Iron mines	13,449	50	1,339	14,838
Uranium mines	3,472	4	1,054	4,530
Coal mines		2,143	6,917	9,060
Oil and gas		46,819	5,923	52,742
Industrial minerals		2,009	7,754	9,763
Net summary	\$263,517	\$52,502	\$86,520	\$402,539
1972				
Metal mines except iron and uranium	\$245,069		\$60,195	
Iron mines	11,948	\$ 50	1,289	\$ 13,286
Uranium mines	2,300	12	1,117	3,429
Coal mines		1,983	7,335	9,317
Oil and gas		51,068	5,880	56,948
Industrial minerals		1,824	11,484	13,308
Net summary	\$259,317	\$56,581	\$87,298	\$403,196
1973				
Metal mines except iron and uranium	\$204,510	\$ 1,285	\$57,140	\$262,935
Iron mines	9,271	51	1,222	10,544
Uranium mines	1,657	5	1,493	3,155
Coal mines	—	2,178	7,810	9,988
Oil and gas	—	55,100	5,788	60,888
Industrial minerals	—	1,810	13,510	15,320
Net summary	\$215,438	\$60,429	\$86,963	\$362,830

Source: Utah State Tax Commission, Property Tax Division and UGMS statistical data.

¹ Summary totals are correct; breakdowns estimated.

Table 68. Assessed valuation of oil and gas pipelines in Utah for 1973

Operator	Total value	County (s)	Value county
Amoco Pipeline Co.	\$ 220,550	Morgan	\$ 60,492
		Rich	30,701
		Salt Lake	4,417
		Summit	2,418
		Davis	122,522
Cascade Natural Gas Corp.	115,909	Uintah	115,909
Chevron Pipeline Co.	3,487,632	Davis	380,431
		Box Elder	226,912
		Duchesne	1,310,268
		Salt Lake	299,861
		Summit	262,752
		Uintah	730,746
		Wasatch	228,470
		Weber	48,192
El Paso Natural Gas Co.	6,519,277	Daggett	198,193
		Grand	867,993
		Rich	96,037
		Salt Lake	150,002
		San Juan	4,173,009
		Summit	1,234
		Uintah	1,032,809
Four Corners Pipeline Co.	328,368	San Juan	328,368
Grand Gas Corp.	133,674	Grand	133,674
Grand Valley Transmission Co.	164,423	Grand	164,423
Mesa Pipeline Co.	318,067	Grand	194,798
		Uintah	123,269
Pioneer Pipeline Co.	635,134	Davis	373,380
		Morgan	213,785
		Rich	40,581
		Summit	7,388
Pure Transportation Co.	504,670	San Juan	504,670
Texas-New Mexico Pipeline	357,677	San Juan	357,677
Uintah Pipeline Corp.	48,266	Uintah	48,266
Henefer Pipeline Co.	5,788	Summit	5,788
Total	\$12,839,435		\$12,839,435

Source: Utah State Tax Commission, Property Tax Division, and UGMS statistical data.

Table 69. Utah property taxes, 1947-1973¹

Tax year	All Utah property	Utah mines	Percent of total	Oil and gas	Percent of total
1947	\$ 30,326,363	\$ 3,204,207	10.57		
1948	33,702,376	4,685,747	13.90		
1949	35,857,478	5,643,457	15.74		
1950	38,168,354	6,146,044	16.10		
1951	44,996,435	7,428,919	16.51		
1952	42,628,752	6,905,686	16.20		
1953	47,414,998	8,589,172	18.11		
1954	51,302,864	9,422,862	18.37		
1955	60,113,257	10,907,168	18.14		
1956	60,682,595	11,903,607	19.62		
1957	67,520,586	12,774,271	18.92		
1958	72,564,172	13,643,915	18.80		
1959	83,296,899	15,233,636	18.29		
1960	86,962,502	13,214,550	15.20		
1961	94,233,249	15,001,100	15.92		
1962	96,568,098	14,525,705	15.04		
1963	106,837,362	13,974,567	13.08	\$2,847,459	2.67
1964	117,724,732	13,037,874	11.07	2,969,918	2.59
1965	122,636,258	13,637,122	11.12	2,766,037	2.26
1967	131,868,556	14,990,808	11.37	2,683,199	2.03
1968	136,759,729	14,380,066	10.51	2,700,022	1.97
1969	144,473,414	15,631,808	10.82	2,819,297	1.95
1970	154,121,967	19,671,978	12.76	2,991,433	1.94
1971	167,880,362	25,590,513	15.24	3,063,624	1.82
1972	169,207,884	24,625,953	14.55	3,093,892	1.83
1973	170,641,107	20,959,320	12.28	3,158,307	1.85

Source: Utah State Tax Commission, Property Tax Division, "Statistical Study of Assessed Valuations."

¹ Taxes and percent of total charged against each class of property.

Table 70. Mineral industries occupational taxes, 1947-1972

Tax year	Calendar year		Fiscal year	
	Occupation tax assessed	Occupation tax collected	Occupation tax assessed	Occupation tax collected
1947	\$ 392,444	\$ 392,156		\$ 393,226
1948	1,397,443	1,401,226		1,359,141
1949	1,321,656	1,321,656		1,363,820
1950	866,894	866,894		866,251
1951	1,724,800	1,508,033		1,422,134
1952	1,646,489	1,646,521		1,731,757
1953	1,856,072	1,856,072		1,844,481
1954	2,121,171	2,095,332		2,097,689
1955	1,768,520	1,775,541		1,760,368
1956	2,447,328	2,463,367		2,459,674
1957	2,744,702	2,741,920		2,766,326
1958	2,134,094	2,133,210		2,126,196
1959	2,450,599	2,449,415		2,395,380
1960	3,664,688	3,638,321		3,664,677
1961	3,568,965	3,563,267		3,601,537
1962	3,498,320	3,500,285		3,497,841
1963	3,263,063	3,249,902		2,476,141
1964	3,223,066	3,236,437		4,005,334
1965	3,125,107	3,124,402	\$3,102,635	3,084,356
1966	3,331,430	3,330,320	3,357,204	3,359,277
1967	3,224,789	3,223,082	3,224,545	3,221,573
1968	2,666,381	2,666,887	2,666,674	2,674,357
1969	2,895,908	2,895,508	2,895,841	2,901,126
1970	4,172,000	4,172,000	4,173,007	4,179,357
1971	4,580,649	4,576,822	4,581,000	4,577,000
1972	3,849,876	3,830,829	3,844,156	3,830,829

Source: Calendar year—annual reports, Accounting Department, Utah State Tax Commission; fiscal year—biennial reports, Utah State Tax Commission.

Table 71. Mine occupation taxes assessed in Utah, 1963-1973
[reported in thousands of dollars]

Mineral resource and net summary	Value of ore sold	Less deductions	Value of ore at mine	Less exemptions	Net amount taxable	Mine tax assessed
1963						
Copper mines	\$160,843	\$33,580	\$127,283	\$ 50	\$127,213	\$1,272
Lead-zinc and silver mines	9,344	3,199	6,145	213	5,932	59
Iron mines	17,891	—	17,891	250	17,641	176
Uranium mines	32,641	9,721	22,920	1,625	21,295	213
Oil and gas	91,047	12,816	78,231	2,140	76,091	1,522
Net summary	\$311,766	\$59,316	\$252,450	\$4,278	\$248,172	
1964						
Copper mines	\$152,677	\$34,543	\$118,134	\$ 50	\$118,084	\$1,181
Lead-zinc and silver mines	13,304	3,987	9,317	250	9,067	91
Iron mines	12,073	—	12,073	250	11,823	118
Uranium mines	34,950	10,899	24,051	1,600	22,451	225
Oil and gas	96,347	13,834	82,513	2,100	80,413	1,605 ¹
Net summary	\$309,351	\$63,263	\$246,088	\$4,250	\$241,838	
1965						
Copper mines	\$162,561	\$37,225	\$125,336	\$ 100	\$125,236	\$1,252
Lead-zinc and silver mines	15,131	3,691	11,440	350	11,090	111
Iron mines	13,718	—	13,718	250	13,468	135
Uranium mines	39,600	12,340	27,260	1,550	25,710	257
Oil and gas	82,322	11,784	70,538	2,098	68,440	1,369
Net summary	\$313,332	\$65,040	\$248,292	\$4,348	\$243,944	
1966						
Copper mines	\$227,102	\$46,791	\$180,311	\$ 100	\$180,211	\$1,802
Lead-zinc and silver mines	16,968	3,664	13,304	400	12,904	129
Iron mines	13,963	—	13,963	200	13,763	138
Uranium mines	13,045	4,201	8,844	1,650	7,194	72
Oil and gas	72,125	10,115	62,010	2,368	59,642	1,188 ¹
Net summary	\$343,203	\$64,771	\$278,432	\$4,718	\$273,714	
1967						
Copper mines	\$226,262	\$52,017	\$174,245	\$ 200	\$174,045	\$1,740
Lead-zinc and silver mines	24,749	6,257	18,492	400	18,092	181
Iron mines	12,950	—	12,950	200	12,750	128
Uranium mines	7,546	2,610	4,936	1,200	3,736	37
Oil and gas	68,762	9,580	59,182	2,347	56,835	1,137
Net summary	\$340,269	\$70,464	\$269,805	\$4,347	\$265,458	\$3,223
1968						
Copper mines	\$162,222	\$39,948	\$122,274	\$ 100	\$122,174	\$1,222
Lead-zinc and silver mines	21,453	5,266	16,187	350	15,837	158
Iron mines	11,224	—	11,224	200	11,024	110
Uranium mines	6,779	1,878	4,901	1,100	3,801	38
Oil and gas	68,810	9,571	59,239	2,351	56,888	1,138
Net summary	\$270,488	\$56,663	\$213,825	\$4,101	\$209,724	\$2,666

Table 71. Mine occupation taxes assessed in Utah, 1963-1973--continued

Mineral resources and net summary	Value of ore sold	Less deductions	Value of ore at mine	Less exemptions	Net amount taxable	Mine tax assessed
1969						
Copper mines	\$198,940	\$51,603	\$147,337	\$ 200	\$147,137	\$1,471
Lead-zinc and silver mines	20,971	5,156	15,815	300	15,515	155
Iron mines	11,878	—	11,878	200	11,678	117
Uranium mines	5,808	751	5,057	1,200	3,857	39
Oil and gas	67,568	9,205	58,363	2,670	55,693	1,114
Net summary	\$305,165	\$66,715	\$238,450	\$4,570	\$233,880	\$2,896
1970						
Copper mines	\$341,505	\$72,011	\$269,494	\$ 250	\$269,244	\$2,692
Lead-zinc and silver mines	21,595	5,396	16,199	300	15,899	159
Iron mines	12,484	—	12,484	200	12,284	123
Uranium mines	4,747	895	3,852	1,050	2,802	28
Oil and gas	70,669	9,473	61,196	2,714	58,482	1,170
Net summary	\$451,000	\$87,775	\$363,225	\$4,514	\$358,711	\$4,172
1971						
Copper mines	\$375,422	\$75,263	\$300,159	\$ 150	\$300,009	\$3,000
Lead-zinc and silver mines	24,873	6,606	18,267	350	17,917	179
Iron mines	13,791	—	13,791	250	13,541	135
Beryllium mines	3,221	2,314	907	50	857	9
Uranium mines	7,781	1,532	6,250	750	5,500	55
Oil and gas	72,266	9,624	62,642	2,550	60,092	1,202
Net summary	\$497,355	\$95,339	\$402,016	\$4,100	\$397,916	\$4,580
1972						
Copper mines	\$332,857	\$106,944	\$225,913	\$ 150	\$225,763	\$2,258
Lead-zinc and silver mines	19,414	5,903	13,518	400	13,113	131
Iron mines	11,948	—	11,948	250	11,698	117
Beryllium mines	1,181	272	909	50	859	9
Uranium mines	4,984	696	3,949	850	3,438	34
Oil and gas	77,311	9,720	67,590	2,765	64,825	1,301
Net summary	\$447,693	\$123,535	\$323,827	\$4,465	\$319,696	\$3,850
1973						
Copper mines	\$320,827	\$109,088	\$211,740	\$ 150	\$211,590	\$2,116
Lead-zinc and silver mines	17,698	5,140	12,558	400	12,410	124
Iron mines	10,012	—	10,012	250	9,762	98
Beryllium mines	606	175	431	50	381	4
Uranium mines	6,460	1,300	5,160	1,100	4,143	41
Oil and gas	82,591	9,916	72,676	2,806	69,870	1,397
Net summary	\$438,196	\$125,618	\$312,578	\$4,756	\$308,157	\$3,780

Source: Utah State Tax Commission, Mineral Property Division, and UGMS statistical data.

¹ Figure does not represent exactly 2% of amount taxable because of adjustments allowed on previous years.

Table 72. Occupation taxes charged to mineral industries in Utah, 1947-1973
[reported in thousands of dollars]

Tax year	Copper industry	Percent of total	Lead-zinc industry	Percent of total	Iron industry	Percent of total	Uranium industry	Percent of total	Total metal industry	Percent of total	Oil and gas	Percent of total	Grand total
1947 ¹	\$ 283	73	\$ 94	24	\$ 13	3			\$ 390	100			\$ 390
1948	1,209	87	144	10	44	3			1,397	100			1,397
1949	1,106	84	184	14	32	2			1,322	100			1,322
1950	686	79	135	16	45	5	\$ 1	—	867	100			867
1951	1,264	84	104	7	138	9	1	—	1,507	100			1,507
1952	1,254	76	164	10	222	14	6	—	1,646	100			1,646
1953	1,477	79	149	8	230	12	10	1	1,866	100			1,866
1954	1,679	79	91	4	310	15	40	2	2,120	100			2,120
1955 ²	1,382	78	109	6	199	11	75	5	1,765	100			1,765
1956	1,856	75	134	6	264	11	143	6	2,397	98	\$ 61	2	2,458
1957	2,050	75	132	5	297	11	195	7	2,674	98	64	2	2,738
1958	1,331	62	102	5	314	14	289	14	2,036	95	105	5	2,141
1959	1,120	46	71	3	258	11	350	14	1,799	74	648	26	2,447
1960	1,015	28	69	2	195	5	322	9	1,601	44	2,043	56	3,664
1961	1,143	32	75	2	235	7	254	7	1,707	48	1,856	52	3,563
1962	1,319	38	66	2	252	7	225	6	1,862	53	1,636	47	3,498
1963 ³	1,272	39	59	2	176	5	227	7	1,721	53	1,522	47	3,242
1964	1,181	37	91	3	118	4	222	7	1,615	51	1,605	49	3,220
1965	1,253	40	111	3	135	4	256	8	1,755	57	1,343	43	3,098
1966	1,802	84	129	6	138	6	66	3	2,142	64	1,188	36	3,330
1967	1,740	83	181	9	128	6	37	2	2,086	65	1,137	35	3,223
1968	1,222	80	158	10	110	7	38	3	1,528	57	1,138	43	2,666
1969	1,471	83	155	9	117	6	39	2	1,782	62	1,114	38	2,896
1970	2,692	90	159	5	123	4	28	1	3,002	72	1,170	28	4,172
1971	3,000	89	179	5	135	4	55	2	3,369	74	1,203	26	4,581
1972	2,258	59	131	3	117	3	34	0	2,549	66	1,301	34	3,850
1973	2,116	56	124	3	98	3	41	1	2,383	63	1,397	37	3,780

Source: Utah State Tax Commission, Mineral Property Division, and UGMS statistical data.

¹ 1947-1954 data from Utah Mining Association records.

² 1955-1962 data from "Utah Taxes and Finance," Utah Legislative Council Special Study, November 1962.

³ 1963 data from Utah Mining Association records.

Table 73. Number of metal mines in Utah subject to mine occupation taxes, by type and county, 1967-1973

Type and Location	Number reporting							Number paying tax						
	1967	1968	1969	1970	1971	1972	1973	1967	1968	1969	1970	1971	1972	1973
Type														
Copper	4	7	4	6	4	3	3	4	3	3	4	3	3	3
Lead-zinc-silver	9	7	10	9	9	8	8	8	7	6	7	8	7	2
Iron	4	4	4	4	5	5	5	4	4	4	4	5	5	5
Uranium	81	56	49	41	36	34	35	22	21	26	22	16	17	20
Beryllium					1	1	1					1	1	1
Totals	98	74	67	61	55	51	52	38	35	39	38	33	33	31
Location														
Beaver	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Emery	12	5	3	1	1			1	0					
Garfield	6	5	3					0	0					
Grand	12	9	5	5	4	4	4	4	5	2	3	2	1	1
Iron	5	4	4	4	5	5	5	5	4	4	4	5	5	5
Juab	1	0		1	1	1	1	1	0		1	1	1	1
Millard	0	0						0	0					
Piute	2	3	2	1	1	1	1	2	1	1	1	1	1	1
Salt Lake	3	2	3	3	2	2	2	3	2	2	2	2	2	2
San Juan	51	38	38	37	33	31	32	16	17	25	21	15	17	15
Summit	2	3	3	3	2	1	1	2	2	1	1	2	1	1
Tooele	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Utah	1	2	2	3	4	3	3	1	1	1	2	2	2	2
Wasatch	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Washington	0	0	1											
Totals	98	74	67	61	55	51	52	38	35	39	38	33	33	31

Source: Utah State Tax Commission, Mineral Property Division.

Table 74. Quantity of production for metal mines in Utah subject to mine occupation taxes, 1967-1973

Mineral	1967	1968	1969	1970	1971	1972	1973
Troy ounces							
Gold	434,829	280,232	338,647	450,643	409,565	360,374	374,889
Silver	6,974,426	4,712,878	5,108,993	6,013,932	6,026,873	5,381,739	4,708,636
Pounds							
Beryllium				110,798	258,077	86,027	245,794
Cadmium							613,147
Copper	494,572,940	354,419,763	416,533,170	580,742,963	608,330,257	541,909,369	519,706,380
Lead	123,142,454	114,419,763	101,450,795	90,806,883	98,990,744	92,075,130	52,764,630
Molybdenite	15,623,834	9,741,733	11,740,741	19,576,438	14,828,921	6,463,357	17,836,328
Tungsten							255
Zinc	74,319,653	76,140,851	83,154,962	74,756,957	83,238,069	82,369,897	61,922,103
Tons							
Iron in iron ore	1,224,900	1,171,424	1,074,245	1,141,991	1,155,222	1,882,278	1,816,485
Ore ¹	36,683,730	23,437,998	31,583,722	42,663,138	43,399,117	37,858,019	
Uranium							467,995

Source: Utah State Tax Commission, Mineral Property Division.

¹ Total production of all mines.

Table 75. Reports of metal mine production subject to mine occupation tax, 1967 and 1968
[reported in thousands of dollars]

Mineral resource and net summary	Net proceeds	Lands and claims	Machinery, supplies and improvements	Totals
1967				
Metal mines except iron and uranium	\$105,769	\$ 1,236	\$62,555	\$169,560
Iron mines	13,143	38	1,795	14,976
Uranium mines	4,722	2	444	5,168
Coal mines		2,386	6,244	8,630
Oil and gas		44,262	5,320	49,582
Industrial minerals		1,479	9,668	11,147
Net summary	\$123,634	\$49,403	\$86,026	\$259,063
1968				
Metal mines except iron and uranium	\$ 95,458	\$ 1,329	\$63,547	\$160,334
Iron mines	13,249	51	1,545	14,845
Uranium mines	4,945	7	485	5,437
Coal mines		2,211	5,799	8,010
Oil and gas		44,550	5,877	50,427
Industrial minerals		1,661	11,000	12,661
Net summary	\$113,652	\$49,809	\$88,253	\$251,714

Source: Utah State Tax Commission, Mineral Property Division.

Table 76. Assessments for

Production year	Tax year	Tons of ore	Gross proceeds	Smelter net proceeds	Deductions	Net proceeds for the year
1947	1948	739,672	\$18,969,185	\$15,597,570	\$12,752,676	\$4,317,720
1948	1949	859,582	23,721,649	19,354,689	15,659,176	4,980,920
1949	1950	827,650	18,521,627	14,487,197	14,006,441	1,889,007
1950	1951	692,167	14,131,241	10,889,949	10,852,338	667,538
1951	1952	793,220	20,689,734	17,009,850	13,976,746	3,773,524
1952	1953	783,480	19,623,116	15,524,053	13,285,620	2,791,934
1953	1954	654,471	13,022,141	9,672,909	10,321,292	170,043
1954	1955	673,240	14,820,179	11,213,250	9,959,292	1,476,073
1955	1956	698,861	17,760,282	13,847,127	11,199,819	2,996,501
1956	1957	721,030	17,762,223	13,764,765	11,662,823	2,628,683
1957	1958	655,733	14,670,954	10,628,780	10,169,729	628,939
1958	1959	548,167	10,816,160	7,475,651	8,001,332	13,781
1959	1960	504,854	10,118,326	7,158,255	7,302,358	119,727
1960	1961	646,340	11,083,488	7,871,408	7,750,288	438,811
1961	1962	597,019	10,280,078	6,999,993	7,625,595	257,762
1962	1963	728,380	9,336,607	6,283,566	6,964,365	247,296
1963	1964	695,639	12,511,467	9,633,543	9,408,146	1,304,544
1964	1965	599,870	14,917,104	11,386,244	10,460,333	2,314,513
1965	1966	563,078	16,878,814	13,294,100	11,912,661	2,460,599
1966	1967	766,374	24,809,586	18,743,401	14,267,248	4,472,597
1967	1968	582,589	21,509,242	16,278,535	13,628,503	3,218,788
1968	1969	665,235	21,106,639	15,974,924	16,711,133	2,201,890
1969	1970	571,683	21,753,407	16,309,855	18,674,591	2,348,480
1970	1971	588,753	24,907,584	18,296,478	19,432,027	1,629,463
1971	1972	491,214	19,413,707	13,517,520	17,815,932	4,298,412
1972	1973	321,082	17,695,336	12,567,636	12,234,207	2,667,332

Source: Utah State Tax Commission, Mineral Property Division.

Table 77. Assessments for copper and siliceous mines,

Production year	Tax year	Tons of ore	Gross proceeds	Smelter net proceeds	Deductions	Net proceeds for the year
1947	1948	503,399	\$1,719,590	\$1,402,590	\$2,002,870	\$ 8,066
1948	1949	22,214	554,677	408,599	759,308	2,207
1949	1950	64,819	337,797	255,177	197,887	63,729
1950	1951	96,540	202,133	181,007	187,609	15,996
1951	1952	30,126	295,817	130,216	161,564	23,456
1952	1953	22,451	184,194	101,613	145,717	14,658
1953	1954	13,205	113,967	64,104	185,227	5,566
1954	1955	37,619	460,511	238,306	505,718	47,558
1955	1956	26,598	417,601	255,405	444,110	63,582
1956	1957	14,691	196,894	135,910	269,740	30,319
1957	1958	47,725	240,589	162,371	313,485	—
1958	1959	57,530	208,155	129,220	335,437	12,787
1959	1960	3,361	20,644	16,053	48,106	—
1960	1961	43,291	107,932	98,243	124,464	—
1961	1962	11,545	45,747	36,064	203,222	—
1962	1963	4,580	1,041	895	35,384	—
1963	1964	343	7,855	3,011	11,680	—
1964	1965	165,900	2,065,729	1,822,257	1,319,411	520,362
1965	1966	216,410	1,490,316	1,295,078	1,381,718	30,527
1966	1967	194,891	2,594,078	2,201,080	1,504,042	917,894
1967	1968	161,400	2,044,713	1,848,378	2,244,448	—
1968	1969	497,073	1,716,188	1,714,076	3,391,675	57,185
1969	1970	152,898	480,100	480,100	843,110	96,370
1970	1971	365,800	3,278,941	2,907,729	3,839,138	—
1971	1972	—	5,922,336	5,235,218	6,086,191	—
1972	1973	—	8,214,712	6,769,225	6,336,712	1,827,908

Source: Utah State Tax Commission, Mineral Property Division.

lead-zinc mines, 1947-1972

Net proceeds ¹ valuation	Value of paid claims	Value of machinery	Value of improvements	Total assessments	Occupation tax
\$4,358,487	\$220,303	\$1,929,025	\$1,099,229	\$ 7,607,044	\$144,379
6,702,606	229,712	2,167,137	1,147,963	10,247,418	183,878
7,427,535	224,097	2,193,303	1,049,970	10,894,905	134,889
5,181,515	201,604	2,031,127	910,220	8,324,466	104,327
4,375,344	206,013	2,206,693	1,043,570	7,831,620	163,813
4,940,280	205,819	2,393,185	1,467,015	9,006,299	149,079
4,448,945	191,932	2,406,466	1,384,447	8,431,790	91,109
2,958,400	183,979	2,180,905	1,272,923	6,596,207	107,938
3,096,458	192,237	1,987,491	1,179,916	6,456,102	131,548
4,755,672	195,516	1,734,726	1,146,318	7,832,232	132,228
4,137,592	187,078	1,568,883	1,093,849	6,987,402	102,166
2,140,027	128,377	1,289,175	967,722	4,525,301	71,545
511,207	130,123	1,039,381	840,993	2,521,704	69,329
383,153	131,906	977,264	803,004	2,295,327	75,055
544,200	115,404	917,202	772,863	2,349,669	66,281
852,791	103,605	742,888	700,782	2,400,066	59,152
1,422,935	163,788	1,109,244	1,013,563	3,709,530	90,670
2,794,102	154,941	1,264,240	1,006,452	5,219,735	110,904
4,053,106	155,084	1,074,601	957,903	6,240,694	128,676
6,091,392	154,758	1,355,620	934,827	8,536,597	180,920
6,635,113	151,561	888,893	1,044,607	8,720,174	158,373
6,495,260	157,070	1,945,213	839,089	9,436,632	156,152
5,188,077	157,671	1,122,861	787,145	7,255,754	159,153
4,288,948	155,415	1,150,538	792,048	6,386,949	137,835
4,080,691	156,613	850,612	451,396	5,539,312	131,129
4,197,897	155,466	780,152	436,754	5,570,269	124,104

¹ Value based on two times average net annual proceeds for three preceding calendar years.

excluding Kennecott Copper Corporation, 1947-1972

Net proceeds ¹ valuation	Value of paid claims	Value of machinery	Value of improvements	Total assessments	Occupation tax
\$ 258,526	\$44,760	\$231,790	\$113,468	\$ 648,544	\$10,629
110,255	12,850	79,235	43,680	246,020	2,488
57,079	18,833	22,675	15,340	113,927	515
66,408	28,076	66,310	32,010	192,804	328
22,351	28,758	54,020	29,220	134,340	—
79,803	28,671	48,495	30,870	187,839	—
50,215	25,404	91,854	44,422	211,895	—
44,843	38,431	54,875	33,595	171,744	724
71,514	37,071	84,865	39,895	233,345	770
60,322	21,144	18,930	17,215	117,611	73
72,882	49,578	29,285	19,460	171,205	—
36,314	61,619	41,670	30,210	169,813	—
—	24,801	9,965	12,080	46,846	—
3,156	15,249	20,330	4,810	43,545	305
3,156	1,864	4,325	801	10,146	—
—	21,905	4,960	8,262	35,127	—
—	1,947	740	315	3,002	—
346,908	4,806	165,525	14,057	531,296	17,100
367,259	7,000	178,534	21,115	573,908	11,182
958,836	281	170,494	15,835	1,145,446	20,179
670,281	5,639	294,740	29,719	1,000,379	11,679
650,051	1,219	478,380	19,229	1,148,875	10,972
103,704	4,926	172,740	47,799	329,169	1,609
—	2,857	228,476	74,547	305,880	26,410
—	—	368,220	89,105	457,325	49,623
1,218,605	—	420,275	85,603	1,724,503	65,063

¹ Value based on two times average net annual proceeds for three preceding calendar years.

Table 78. Assessments for Kennecott Copper

Production year	Tax year	Tons of ore	Gross proceeds	Smelter net proceeds	Deductions	Net proceeds for the year
1947	1948	28,539,300	\$135,624,372	\$113,955,412	\$ 29,404,792	\$ 84,550,619
1948	1949	24,454,000	121,616,460	102,044,124	46,748,633	66,320,969
1949	1950	20,922,300	93,037,396	73,593,351	41,903,411	31,689,940
1950	1951	31,037,800	149,240,468	121,625,088	43,055,826	78,569,262
1951	1952	30,444,800	161,628,884	130,859,485	49,105,692	81,753,791
1952	1953	32,036,100	170,855,275	138,951,901	53,218,045	85,733,856
1953	1954	29,922,200	193,616,133	164,771,152	54,520,851	110,250,301
1954	1955	24,079,400	155,192,655	130,746,910	43,047,781	87,699,130
1955	1956	27,740,700	211,477,888	185,663,990	51,893,325	133,770,665
1956	1957	32,321,100	255,885,754	206,993,863	65,059,453	141,874,410
1957	1958	30,919,900	165,849,270	136,616,932	68,713,251	67,903,681
1958	1959	24,086,800	122,242,777	95,716,224	59,382,664	36,333,558
1959	1960	19,673,100	111,388,154	90,672,973	73,559,679	17,113,294
1960	1961	28,060,300	164,648,078	135,193,417	62,289,537	72,903,880
1961	1962	27,839,700	156,792,203	125,654,925	69,846,971	55,807,954
1962	1963	29,200,706	161,986,634	129,493,878	75,727,072	53,766,806
1963	1964	26,242,435	151,058,000	118,521,403	79,331,479	39,189,929
1964	1965	24,465,966	155,145,906	121,825,560	73,728,619	48,096,942
1965	1966	32,090,179	224,149,040	181,227,036	123,897,442	57,329,594
1966	1967	33,513,622	233,010,258	189,873,794	147,222,583	42,651,211
1967	1968	20,807,069	151,633,263	130,476,005	98,229,617	32,246,388
1968	1969	28,450,262	222,314,780	193,774,525	109,592,969	84,181,556
1969	1970	38,650,300	337,286,318	308,744,874	176,269,574	132,475,300
1970	1971	40,147,500	381,382,499	307,381,319	160,910,102	146,471,216
1971	1972	35,008,400	301,498,690	233,832,880	151,629,364	82,203,517
1972	1973	34,951,700	302,966,807	302,966,807	233,337,756	69,629,051

Source: Utah State Tax Commission, Mineral Property Division.

Table 79. Assessments for producing

Production year	Tax year	Tons of ore	Gross proceeds	Smelter proceeds	Deductions	Net proceeds for the year
1947	1948	2,860,499	\$ 4,503,167	\$ 4,503,167	\$ 1,705,410	\$ 2,797,756
1948	1949	3,502,889	5,345,440	5,345,440	3,373,083	2,197,270
1949	1950	3,039,715	4,743,964	4,743,465	4,164,229	623,584
1950	1951	3,413,940	13,985,962	13,985,889	4,626,311	1,222,211
1951	1952	4,908,108	26,103,801	26,103,801	12,526,586	12,753,745
1952	1953	4,327,577	22,547,659	22,547,659	12,741,853	12,805,806
1953	1954	5,067,680	31,712,593	31,712,593	15,310,554	16,402,039
1954	1955	3,346,800	20,921,467	20,921,467	11,414,273	9,507,193
1955	1956	5,304,469	26,952,762	26,952,762	10,813,090	16,140,198
1956	1957	4,417,888	30,383,787	30,383,787	12,096,617	18,322,311
1957	1958	4,580,487	32,303,023	32,303,023	14,465,092	17,844,670
1958	1959	3,885,246	26,076,863	26,076,863	11,652,198	14,431,298
1959	1960	3,015,118	19,739,277	19,739,277	10,159,268	9,580,009
1960	1961	3,559,066	23,738,155	23,738,155	10,810,301	12,927,854
1961	1962	3,818,257	25,453,338	25,453,338	10,670,254	14,783,084
1962	1963	2,864,988	17,890,857	17,890,857	9,095,602	8,795,255
1963	1964	1,966,873	12,072,965	12,072,965	6,927,073	5,145,892
1964	1965	2,266,818	13,717,912	13,717,912	7,469,397	6,248,515
1965	1966	2,395,313	13,963,396	13,963,396	6,175,405	7,787,991
1966	1967	2,190,843	12,949,880	12,949,880	6,523,725	6,726,155
1967	1968	1,913,253	11,223,262	11,223,262	5,863,514	5,359,748
1968	1969	1,975,133	11,878,227	11,878,227	6,056,992	5,821,235
1969	1970	2,151,469	12,483,798	12,483,798	6,801,557	5,682,241
1970	1971	2,209,068	13,791,430	13,791,430	7,232,094	6,559,376
1971	1972	1,882,278	11,947,963	11,947,963	7,321,152	4,626,811
1972	1973	2,002,485	10,012,291	10,011,961	7,291,358	2,720,933

Source: Utah State Tax Commission, Mineral Property Division.

Corporation, Utah Copper Division, 1947-1972

Net proceeds ¹ valuation	Value of paid claims	Value of machinery	Value of improvements	Total assessments	Occupation tax
\$ 95,385,481	\$354,938	\$10,873,483	\$ 7,727,172	\$114,341,074	\$1,198,297
117,500,581	355,904	12,241,223	7,408,101	137,505,809	1,103,635
121,707,685	362,072	11,998,320	10,256,958	144,325,035	685,191
117,720,114	362,423	13,192,306	11,279,039	142,553,882	1,263,287
128,008,662	362,423	13,232,424	11,559,135	153,162,644	1,254,073
164,037,939	362,423	13,696,456	12,542,314	190,639,132	1,476,914
185,158,632	362,616	15,334,168	11,492,818	212,348,234	1,678,398
189,122,192	362,565	15,469,312	11,391,045	216,345,114	1,381,844
221,146,731	362,565	16,831,850	11,077,580	249,418,734	1,855,918
242,229,470	371,173	15,857,966	10,426,530	268,885,139	2,049,688
229,032,504	378,936	15,487,012	9,961,639	254,860,091	1,330,760
164,074,432	378,966	15,254,562	9,845,554	189,553,514	1,119,708
80,900,356	567,883	20,098,849	11,743,493	113,310,581	1,015,037
84,233,821	567,883	19,989,708	11,826,207	116,617,619	1,142,911
97,216,752	594,446	19,375,177	13,307,683	130,494,058	1,318,788
121,652,421	581,738	19,833,749	13,309,729	155,377,637	1,272,127
99,176,459	580,586	21,388,019	13,557,834	134,702,898	1,180,838
94,035,784	571,095	23,686,846	13,079,875	131,373,600	1,235,255
96,410,976	581,496	28,676,697	14,938,520	140,607,689	1,791,297
98,718,498	580,584	39,910,029	18,927,662	158,136,773	1,720,269
88,151,462	580,584	41,860,885	18,953,557	149,546,488	1,210,122
106,052,771	580,584	41,313,076	18,514,647	166,461,078	1,460,394
165,935,496	562,043	41,996,104	17,373,439	225,867,082	2,690,665
242,085,382	757,078	40,843,648	17,418,967	301,105,075	2,973,683
240,766,689	941,359	38,790,737	16,407,906	296,906,691	2,208,008
198,869,189	596,534	36,661,776	15,757,766	251,885,265	2,050,836

¹ Value based on two times average net annual proceeds for three preceding calendar years.

Utah iron mines, 1947-1972

Net proceeds ¹ valuation	Value of paid claims	Value of machinery	Value of improvements	Total assessments	Occupation tax
\$ 2,228,888	\$17,830	\$ 292,852	\$153,268	\$ 2,692,838	\$ 43,383
3,335,180	17,830	287,650	171,378	3,812,038	31,666
3,740,823	25,424	528,025	212,645	4,506,917	45,422
8,257,367	33,644	560,031	277,835	9,128,877	137,524
15,629,457	18,090	615,659	275,345	16,538,551	222,439
24,285,623	18,706	1,615,108	406,510	26,325,947	229,704
28,980,043	19,678	2,062,597	575,665	31,637,983	309,898
26,324,290	41,670	1,901,485	512,405	28,779,850	199,482
28,032,953	20,043	1,929,105	633,110	30,615,211	264,075
29,313,136	50,511	1,370,579	513,750	31,247,976	296,766
34,871,453	22,859	1,486,591	526,314	36,907,217	314,372
33,732,185	34,473	1,515,951	508,475	35,791,084	258,041
27,891,925	37,444	1,625,821	500,635	30,055,829	194,892
24,626,107	37,633	1,397,656	555,446	26,616,842	234,881
24,860,635	35,767	1,772,719	508,957	27,178,078	252,034
24,337,462	35,731	1,613,345	499,586	26,486,124	176,408
19,285,367	52,023	1,688,064	528,402	21,553,856	118,230
13,595,653	52,114	1,546,831	522,891	15,717,489	134,679
11,357,452	52,558	1,427,752	511,308	13,349,070	137,634
13,143,311	37,612	1,358,614	435,893	14,975,430	127,500
13,249,263	35,512	1,161,848	383,057	14,829,680	110,233
11,938,092	50,913	1,345,108	410,872	13,741,985	116,782
11,242,148	36,261	1,160,099	378,789	12,817,297	122,839
13,449,258	36,261	971,976	367,391	14,824,886	119,021
11,947,528	36,268	920,563	367,855	13,272,215	116,980
9,271,389	36,295	864,856	357,449	10,529,989	97,622

¹ Value based on two times average net annual proceeds for three preceding calendar years.

Table 80. Assessments for producing

Production year	Tax year	Tons of ore	Gross proceeds	Smelter net proceeds	Deductions	Net proceeds for the year
1955	1956	2,715	\$92,973	\$62,317	\$ 61,547	\$1,653
1956	1957	21	4,186	2,368	128,679	—
1957	1958 ¹					
1958	1959 ¹					
1959	1960 ¹					
1960	1961					
1961	1962					
1962	1963 ¹					
1963	1964 ¹					
1964	1965 ¹					
1965	1966 ¹					
1966	1967 ¹					
1972	1973	—	9,661	9,961	6,915	3,046

Source: Utah State Tax Commission, Mineral Property Division.

Table 81. Assessments for producing

Production year	Tax year	Tons of ore	Gross proceeds	Smelter net proceeds	Deductions	Net proceeds for the year
1969	1970	14,820	\$ 166,725	\$ 166,725	\$ 486,311	—
1970	1971	68,596	3,220,801	3,220,801	2,887,708	\$333,093
1971	1972	86,027	3,859,938	3,859,938	4,178,776	—
1972	1973	58,645	3,067,509	3,067,509	3,316,539	—

Source: Utah State Tax Commission, Mineral Property Division.

Table 82. Assessments for producing

Production year	Tax year	Tons of ore	Gross proceeds	Smelter net proceeds	Deductions	Net proceeds for the year
1954	1955		\$10,973,583	\$10,067,467	\$ 8,557,981	\$ 3,024,059
1955	1956		18,714,921	18,348,576	14,090,811	6,916,513
1956	1957		24,979,839	24,772,755	15,462,040	10,383,723
1957	1958		40,835,978	35,693,914	22,064,354	16,628,536
1958	1959		54,333,623	44,615,784	21,423,710	23,894,730
1959	1960		51,294,237	46,008,445	24,837,602	21,627,085
1960	1961		43,256,232	38,290,277	22,982,152	15,598,797
1961	1962		40,220,000	36,530,400	23,596,220	12,934,180
1962	1963		35,749,873	33,577,250	19,241,982	14,689,803
1963	1964		36,232,227	34,094,637	18,567,855	15,783,785
1964	1965		40,396,210	37,196,833	17,030,907	20,315,042
1965	1966		13,288,666	11,039,127	7,457,318	3,741,766
1966	1967		8,820,455	7,025,970	5,156,267	2,101,360
1967	1968		8,144,553	6,512,969	4,176,946	2,583,835
1968	1969		9,062,913	7,887,738	5,426,385	2,904,663
1969	1970		4,776,673	4,704,678	5,314,911	529,611
1970	1971	306,063	5,522,795	5,484,825	4,562,280	1,842,045
1971	1972	428,931	5,291,430	5,282,227	5,479,017	1,684,592
1972	1973	470,513	6,626,413	6,710,016	7,966,967	752,389

Source: Utah State Tax Commission, Mineral Property Division.

Utah tungsten mines, 1955-1972

Net proceeds ² valuation	Value of paid claims	Value of machinery	Value of improvements	Total assessments	Occupation tax
\$3,306	—	\$ 220	\$ 120	\$ 3,646	—
—	—	25,100	1,900	27,000	—
2,031	—	465	252	2,748	—

¹ No production reported.² Value based on two times average net annual proceeds for three preceding calendar years.

Utah beryllium mines, 1969-1972

Net proceeds ¹ valuation	Value of paid claims	Value of machinery	Value of improvements	Total assessments	Occupation tax
—	\$5,102	\$804,965	\$944,895	\$1,754,962	\$ 911
\$222,062	5,102	724,252	879,080	1,830,496	3,572
222,062	5,102	775,245	84,110	1,843,519	8,588
222,062	5,102	638,717	812,665	1,678,546	3,811

¹ Value based on two times average net annual proceeds for three preceding calendar years.

Utah uranium mines, 1954-1972

Net proceeds ¹ valuation	Value of paid claims	Value of machinery	Value of improvements	Total assessments	Occupation tax
\$ 2,277,100	\$ 640	\$ 521,821	\$ 91,976	\$ 2,891,537	\$ 78,381
7,033,349	2,773	1,029,897	244,642	8,310,661	141,829
13,863,302	4,377	1,056,832	285,700	15,210,211	194,603
22,295,702	4,224	1,774,287	428,700	24,502,913	287,971
32,443,200	2,393	1,216,639	285,282	33,953,999	348,861
40,704,538	3,373	1,131,496	282,825	42,122,232	323,049
33,144,600	2,719	1,002,995	211,201	34,361,515	253,744
29,464,342	4,075	944,573	205,599	30,618,589	221,839
27,439,321	3,475	723,980	153,961	28,320,737	227,488
28,659,229	2,607	659,426	129,268	29,450,530	222,293
34,252,264	1,753	491,775	89,289	34,835,081	255,815
7,921,933	2,993	369,232	96,340	8,390,498	65,737
4,721,596	1,964	351,046	92,564	5,167,170	36,765
4,904,623	2,538	334,663	91,944	5,333,768	38,012
5,370,442	1,756	357,539	79,293	5,809,030	36,228
4,010,513	1,792	340,795	75,420	4,428,520	28,023
3,470,899	2,034	226,654	82,805	3,782,392	54,992
2,299,900	10,883	208,394	72,233	2,580,410	34,379
1,656,844	4,752	1,073,438	419,149	3,154,183	41,431

¹ Value based on two times average net annual proceeds for three preceding calendar years.

UTAH GEOLOGICAL AND MINERAL SURVEY

103 Utah Geological Survey Building
University of Utah
Salt Lake City, Utah 84112

THE UTAH GEOLOGICAL AND MINERAL SURVEY, a Division of the Utah Department of Natural Resources, operates with a professional staff under the guidance of a policy-making Board appointed by the Governor of Utah from various representatives of industry and the public as specified by law.

The Survey is instructed to investigate areas of geologic and topographic hazards, to survey the geology and mineral occurrences, and to collect and distribute reliable information concerning the mineral industry and mineral resources, topography and geology of the state so as to contribute to the effective and beneficial development of all resources. The *Utah Code, Annotated, 1953 Replacement Volume 5, Chapter 36, 53-36-1 through 12*, describes the Survey's functions.

The Survey issues several series of publications and maps, a *Quarterly Review* and, periodically, *Utah Geology*, a volume containing shorter papers on the geology of the state. It has also reprinted significant articles pertaining to Utah geology from other publications. (Write to the above address for the latest list of publications available.)

The Survey also sells the colored geologic map of Utah (Army Map Service base, 1:250,000, in four quarters), a project of the College of Mines and Mineral Industries from 1961 through 1964. It acts as sales agent for publications of the Utah Geological Association and its predecessor organizations, the Utah Geological Society, the Intermountain Association of Geologists, and the Intermountain Association of Petroleum Geologists.

THE SAMPLE LIBRARY is maintained to preserve well cuttings, drill cores, stratigraphic sections and other geological samples. Files of lithologic logs, electrical and other mechanical logs of oil and gas wells drilled in the state are also maintained. The Library's collections have been obtained by voluntary donation and are open to public use, free of charge.

THE SURVEY'S BASIC PHILOSOPHY is that of the U. S. Geological Survey, *i. e.*, our employees shall have no interest in lands within Utah where there is a conflict of interest deleterious to the goals and objectives of the Survey; nor shall they obtain financial gain by reason of information obtained through their work as an employee of the Survey. For permanent employees this restriction is lifted after a two-year absence; for consultants employed on special problems, there is a similar time period which can be modified only after publication of the data or after the data have been acted upon. For consultants, there are no restrictions beyond the field of the problem, except where they are working on a broad area of the state and, here, as for all employees, we rely on their inherent integrity.

Directors:

Donald T. McMillan, 1974-
William P. Hewitt, 1961-1974
Arthur L. Crawford, 1949-1961