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DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE.

FRANCIS A. WALKER, Superintendent,
Appointed April 1, 1879; resigned November 3, 1881.

CHAS. W. SEATON, Superintendent,
Appointed November 4, 1881. Office of Superintendent
abolished March 3, 1885.

STATISTICS AND TECHNOLOGY

OF THE

P R E C I O U S M E T A L S .

PREPARED UNDER THE DIRECTION

OF

CLARENCE KING,

SPECIAL AGENT,

BY

S. F. EMMONS AND G. F. BECKER.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1885.

Bureau of the Census

TABLE CXXXIX.—ARIZONA—PRODUCTION OF DEEP

County and district.	Ore raised during census year.	Average assay value per ton.			Total assay value of ore raised during census year.					Ore raised and treated.	Average yield per ton.				
		Tons.	Dolls.	Dolls.	Dolls.	Gold.		Silver.			Total.	Tons.	Dolls.	Dolls.	Dolls.
						Ounces.	Dollars.	Ounces.	Dollars.						
MARICOPA.															
1 Globe	1,989	1 51	114 43	115 04	145.1	2,990	176,039	227,601	230,000	264.00	376 44	376 44	376 44		
Total	1,989	1 51	114 43	115 04	145.1	2,990	176,039	227,601	230,000	264.00	376 44	376 44	376 44		
MOHAVE.															
1 Cedar Valley	80		112 30	112 30			6,949	8,985	8,885	80.00	92 88	92 88	92 88		
2 Hualapai	2,188 1/2	12 01	80 15	93 00	1,367.1	28,260	135,664	175,400	203,666	463.00	19 08	137 38	157 36		
3 Maynard	151		144 00	144 00			16,848	21,741	21,744	151.00	125 45	125 45	125 45		
4 Owen's	160		25 00	25 00			3,094	4,000	4,000	160.00	*20 00	*20 00	*20 00		
5 Scattered	30		271 97	271 97			8,204	10,607	10,607	30.00	232 50	232 50	232 50		
Total	2,618 1/2	10 79	84 30	95 00	1,367.1	28,260	170,729	220,736	248,996	893.00	10 36	114 40	124 85		
PIMA.															
1 Arivaca	100		*200 00	*200 00			*15,469	*20,000	*20,000						
2 Dos Cabezas	370	31 32	1 32	32 64	560.7	11,591	370	400	12,081						
3 Harshaw	4,650		64 19	64 19			230,877	298,501	298,501						
4 Hartford	50		20 00	20 00			773	900	900						
5 Oro Blanco	1,325	10 45	55 02	66 07	670.0	13,850	57,003	75,600	87,549	68.50	*53 60	*53 60	*53 60		
6 Pima	310		30 00	30 00			7,193	9,300	9,300						
7 Swisshelm	410		35 01	35 01			11,293	14,601	14,601						
8 Tombstone	18,123	12 21	84 36	96 57	10,710.7	221,410	1,182,441	1,528,778	1,750,188	12,380.00	7 81	64 82	72 03		
Total	25,338	9 74	76 82	86 56	11,941.4	246,851	1,505,428	1,946,368	2,193,219	12,448.50	0 74	70 82	86 56		
PINAL.															
1 Globe	706	29 91	5 05	34 96	1,021.6	21,119	2,753	3,559	24,678	52.25	48 34	15 87	64 21		
2 Pioneer	245	18 37	104 65	123 02	217.7	4,500	19,831	25,640	30,140	67.50	59 20	59 20	59 20		
3 Turquoise	250		35 00	35 00			6,798	8,750	8,750						
Total	1,201	21 33	31 00	52 03	1,239.3	25,619	29,382	37,949	63,568	110.75	21 00	40 33	61 42		
YAVAPAI.															
1 Big Bug	1,500		123 33	123 33			143,089	185,000	185,000	309.00	237 50	*237 50	*237 50		
2 Cave Creek	200	*25 00		*25 00	*241.9	*5,001			*5,001	200.00	*20 00		*20 00		
3 Cherry Creek	500	*6 00		*6 00	*145.1	*2,999			*2,999	200.00	*3 00		*3 00		
4 Humbug	1,850		*200 00	*200 00			286,179	370,001	370,001	977.00	243 45	243 45	243 45		
5 Peck	325		264 46	264 46			66,478	85,940	85,940	321.00	202 36	202 36	202 36		
6 Tiger	1,500	*2 00	*117 00	*119 00	*145.1	*2,999	*135,741	*175,500	*178,489	1,000.00	1 00	92 59	94 19		
7 Walker	*25	*25 00		*25 00	*30.2	*625			*625	*25.00	*20 00		*20 00		
8 Walnut Grove	300	*25 00		*25 00	*362.8	*7,500			*7,500						
9 Weaver No. 2	400	*25 00		*25 00	*483.8	*10,001			*10,001	*200.00	*20 00		*20 00		
Total	6,000	4 41	123 70	128 11	*1,408.9	*29,125	631,487	816,450	845,575	3,223.00	3 32	144 79	148 11		
YUMA.															
1 Castle Dome	1,100		34 08	34 08			28,995	37,488	37,488						
2 Ellsworth, Plumas, or Centennial	250	27 50		27 50	332.6	6,875			6,875	204.00	5 00		5 00		
3 Myers	500		50 00	50 00			19,337	25,001	25,001						
4 Silver	80		*75 00	*75 00			4,641	*6,000	*6,000						
Total	1,930	3 56	35 49	39 05	332.6	6,875	52,973	68,489	75,364	204.00	5 00		5 00		

* Estimated.

TABLE CXL.—ARIZONA—RECAPITULATION BY COUNTIES OF

County.	Ore raised during census year.	Average assay value per ton.			Total assay value of ore raised during census year.					Ore raised and treated.	Average yield per ton.				
		Tons.	Dolls.	Dolls.	Dolls.	Gold.		Silver.			Total.	Tons.	Dolls.	Dolls.	Dolls.
						Ounces.	Dollars.	Ounces.	Dollars.						
1 Maricopa	1,989.00	1 51	114 43	115 04	145.1	2,990	176,039	227,601	230,000	264.00	376 44	376 44	376 44		
2 Mohave	2,618.50	10 79	84 30	95 00	1,367.1	28,260	170,729	220,736	248,996	893.00	10 36	114 40	124 85		
3 Pima	25,338.00	9 74	76 82	86 56	11,941.4	246,851	1,505,428	1,946,368	2,193,219	12,448.50	0 74	70 82	86 56		
4 Pinal	1,201.00	21 33	31 60	52 03	1,239.3	25,619	29,382	37,949	63,568	110.75	21 00	40 33	61 42		
5 Yavapai	6,000.00	4 41	123 70	128 11	*1,408.9	*29,125	631,487	816,450	845,575	3,223.00	3 32	144 79	148 11		
6 Yuma	1,930.00	3 56	35 49	39 05	332.6	6,875	52,973	68,489	75,364	204.00	5 00		5 00		
Total	39,676.50	8 56	83 61	92 17	16,484.4	339,720	2,566,008	3,317,593	3,657,322	17,152.25	7 01	86 24	93 25		
* Additional production	*8,576.00	*9 35	*114 09	*124 34	*3,877.9	*80,163	*792,745	*986,153	*1,066,316	*8,576.00	*7 01	*86 24	*93 25		
* Total production	*48,252.50	*8 70	*89 19	*97 80	*20,362.3	*419,883	*3,358,753	*4,303,746	*4,723,638	*25,728.25	*7 01	*86 24	*93 25		

* Estimated.

PRODUCTION OF THE PRECIOUS METALS.

MINES FOR THE YEAR ENDING MAY 31, 1880.

Bullion produced from ore raised and treated during census year.					Ore raised but not treated.	Assay value of ore raised during census year and remaining on hand at close of year.					Bullion produced during census year from ore previously raised.					
Gold.		Silver.		Total.		Tons.	Gold.		Silver.		Total.	Gold.		Silver.		Total.
Ounces.	Dollars.	Ounces.	Dollars.	Dollars.			Ounces.	Dollars.	Ounces.	Dollars.	Dollars.	Ozs.	Dolls.	Ozs.	Dollars.	Dolls.
		70,806	99,880	99,880	1,725.00	145.1	2,090	82,276	106,375	109,374						
		70,806	99,880	99,880	1,725.00	145.1	2,090	82,276	106,375	109,374						
		5,747	7,430	7,430												
447.5	9,251	49,195	63,004	72,855	1,725.50	700.2	14,660	85,737	110,840	125,509			1,183	1,530	1,530	
		14,652	18,944	18,944												
		2,475	*3,200	*3,200									9,746	12,600	12,600	
		7,015	9,070	9,070												
447.5	9,251	70,084	102,248	111,499	1,725.50	709.2	14,660	85,737	110,840	125,509			10,929	14,130	14,130	
								*15,469	*20,000	*20,000						
								370.00	490	490						
								4,650.00	230,877	230,877						
								50.00	773	1,000					(b)	
		*2,840	*3,672	*3,672	1,256.50	670.0	13,850	59,453	69,109	82,959						
								310.00	7,193	9,300						
								410.00	11,293	14,601						
4,680.2	96,748	620,659	802,450	899,198	5,743.00	4,017.8	95,458	449,237	573,061	668,519						
4,680.2	96,748	623,499	806,122	902,870	12,889.50	5,848.5	120,899	702,074	986,061	1,106,060						
122.2	2,526	641	829	3,355	653.75	945.8	10,552	2,366	3,059	22,011						
		3,094	4,000	4,000	177.50	217.7	4,500	0,153	7,955	12,455						
					250.00			0,768	8,750	8,750						
122.2	2,526	3,735	4,829	7,355	1,081.25	1,163.5	24,052	15,287	19,764	43,816						
		*55,109	*71,250	*71,250	1,200.00			85,080	110,000	110,000						
193.5	*4,000			*4,000												
*29.0	*600			*600	300.00	*87.1	*1,800			*1,800						
		183,064	237,847	237,847	373.00			70,270	102,500	102,500						
		50,243	64,959	64,959	*4.00			*019	*1,188	*1,188						
77.4	1,600	71,617	92,594	94,194	500.00	*48.4	*1,000	*45,247	*68,500	*69,500	77.4	1,600	71,617	92,594	94,194	
24.2	*500			*500												
					300.00	*302.8	*7,500			*7,500					(c)	
193.5	*4,000			*4,000	200.00	*241.9	*5,001			*5,001						
517.6	10,700	360,933	466,650	477,350	3,377.00	*740.2	*15,301	210,525	272,188	287,489	77.4	1,600	71,617	92,594	94,194	
					1,100.00			23,005	37,488	37,488						
40.3	1,010			1,010	46.00	61.2	1,265			1,265						
					500.00			10,337	25,001	25,001						
					80.00			4,041	*6,000	*6,000						
49.3	1,010			1,010	1,726.00	61.2	1,265	62,073	68,489	69,754						

* Estimated. a From 2,340 tons tailings, yielding \$5.38 per ton. b Copper 10 per cent. c Lead 65 per cent.; production quoted is for year ending December 31, 1880.

PRODUCTION OF DEEP MINES FOR THE YEAR ENDING MAY 31, 1880.

Bullion produced from ore raised and treated during census year.					Ore raised but not treated.	Assay value of ore raised during census year and remaining on hand at close of year.					Bullion produced during census year from ore previously raised.					
Gold.		Silver.		Total.		Tons.	Gold.		Silver.		Total.	Gold.		Silver.		Total.
Ounces.	Dollars.	Ounces.	Dollars.	Dollars.			Ounces.	Dollars.	Ounces.	Dollars.	Dollars.	Ozs.	Dolls.	Ozs.	Dollars.	Dolls.
		70,806	99,880	99,880	1,725.00	145.1	2,090	82,276	106,375	109,374						
447.5	9,251	70,084	102,248	111,499	1,725.50	709.2	14,660	85,737	110,840	123,509			10,929	14,130	14,130	
4,680.2	96,748	623,499	806,122	902,870	12,889.50	5,848.5	120,899	702,074	986,061	1,106,060						
122.2	2,526	3,735	4,829	7,355	1,081.25	1,163.5	24,052	15,287	19,764	43,816						
517.6	10,700	360,933	466,650	477,350	3,377.00	*740.2	*15,301	210,525	272,188	287,489	77.4	1,600	71,617	92,594	94,194	
49.3	1,010			1,010	1,726.00	61.2	1,265	62,073	68,489	69,754						
5,816.8	120,244	1,144,117	1,479,229	1,599,473	22,524.25	8,667.7	179,176	1,209,472	1,563,726	1,742,902	77.4	1,600	82,546	106,724	108,324	
*2,608.4	*60,122	*572,050	*739,615	*799,737												
*8,725.2	*180,306	*1,716,176	*2,218,844	*2,399,210	22,524.25	8,667.7	179,176	1,209,472	1,563,726	1,742,902	77.4	1,600	82,546	106,724	108,324	