

Historical Rankings of Nonsocialist Copper, Aluminum, Lead, and Zinc Producing Countries

Table A-1- Largest NSW Copper-Producing Countries Mine and Metal Production (thousand metric tonnes contained copper).

Rank	1950	1960	1970	1980	1988
Mine production					
1	United States 825	United States 980	United States 1,560	United States 1,181	Chile 1,451
2	Chile 363	Zambia 576	Chile 692	Chile 1,106	United States 1,420
3	Zambia 298	Chile 532	Zambia 684	Canada 716	Canada 757
4	Canada 240	Canada 399	Canada 610	Zambia 596	Zambia 480
5	Zaire 176	Zaire 302	Zaire 387	Zaire 460	Zaire 467
6	Mexico 62	Peru 184	Peru 220	Peru 367	Peru 298
7	Yugoslavia 43	Australia 111	Philippines 160	Philippines 305	Mexico 274
8	Japan 39	Japan 89	Australia 158	Australia 244	Australia 238
9	South Africa 34	Mexico 60	South Africa 149	South Africa 212	Philippines 218
10	Peru 30	South Africa 48	Japan 120	Mexico 175	PNG 214
NSW	2,287	NSW 3,617	NSW 5,174	NSW 6,066	NSW 6,702
East	238	East 625	East 1,228	East 1,671	East 2,089
World	2,525	World 4,242	World 6,403	World 7,737	World 8,791
Metal production (refined and old and new scrap)					
1	United States 1,344	United States 1,643	United States 2,035	United States 1,686	United States 1,859
2	Chile 300	Zambia 403	Japan 705	Japan 1,014	Chile 1,013
3	Canada 216	Canada 378	Zambia 581	Chile 811	Japan 955
4	W. Germany 198	W. Germany 309	Canada 493	Zambia 607	Canada 529
5	UK 193	Japan 248	Chile 465	Canada 505	Zambia 445
6	Belgium 137	Chile 226	W. Germany 406	W. Germany 374	W. Germany 426
7	Zaire 97	UK 213	Belgium 338	Belgium 289	Belgium 354
8	Japan 85	Belgium 200	UK 206	Zaire 279	Zaire 283
9	Zambia 79	Zaire 145	Zaire 190	Peru 225	Australia 223
10	Australia 28	Australia 84	Australia 146	Australia 182	Brazil 186
NSW	498	NSW (664)	NSW (1,153)	NSW (1,256)	NSW 1,456
East	327	East 800	East 1,419	East 2,217	East 2,523
World	3,187	World 4,998	World 7,592	World 9,297	World 10,564

NOTE: NSW secondary production from old and new scrap shown in parentheses.

SOURCE: Metal Statistics (various issues), Metallgesellschaft Aktiengesellschaft.

Table A-2--Largest NSW Aluminum-Producing Countries, Mine and Metal Production (thousand metric tonnes gross weight):

Rank	1950		1960		1970		1980		1988	
Mine production:										
1	Suri name	2,045	Jamai ca	5,837	Jamai ca	12,010	Austral ia	27,179	Austral ia	36,192
2	Guyana	1,668	Suri name	3,455	Austral ia	9,256	Gui nea	13,911	Gui nea	16,834
3	Uni ted States	1,356	Guyana	2,511	Suri name	6,022	Jamai ca	11,978	Brazi l	7,728
4	France	808	France	2,067	Guyana	4,417	Suri name	4,903	Jamai ca	7,408
5	Indonesi a	531	Uni ted States	2,030	France	3,051	Brazi l	4,152	Suri name	3,434
6	Yugosl avi a	206	Gui nea	1,378	Gui nea	2,490	Yugosl avi a	3,138	I ndi a	3,415
7	I taly	153	Yugosl avi a	1,025	Greece	2,292	Guyana	3,052	Yugosl avi a	3,034
8	Ghana	117	Greece	884	Uni ted States	2,115	Greece	3,012	Greece	2,533
9	Greece	77	Mal aysi a	749	Yugosl avi a	2,099	France	1,892	Guyana	1,774
10	India	65	Dom i ni can Rep	689	I ndi a	1,374	I ndi a	1,785	Si erra Leone	1,379
	NSW	7,085	NSW	22,492	NSW	50,812	NSW	81,244	NSW	87,479
	East	1,333	East	5,128	East	9,898	East	11,500	East	12,806
	World	8,418	World	27,620	World	60,710	World	92,744	World	100,285
Metal production: (refined metal from primary sources)										
1	Uni ted States	652	Uni ted States	1,828	Uni ted States	3,607	Uni ted States	4,654	Uni ted States	3,944
2	Canada	360	Canada	691	Canada	963	Japan	1,092	Canada	1,535
3	France	61	France	235	Japan	728	Canada	1,068	Austral ia	1,141
4	Norway	45	Norway	171	Norway	522	U. Germany	731	Brazi l	874
5	I taly	37	W. Germany	169	France	381	Norway	662	Norway	827
6	UK	30	Japan	133	W. Germany	309	France	432	W. Germany	744
7	W. Germany	28	I taly	84	Australia	206	Spai n	387	Venezuel a	443
8	Japan	25	Austri a	68	India	161	UK	374	I ndi a	335
9	Swi tzerl and	19	Cameroon	44	Italy	147	Venezuel a	328	France	328
10	Austri a	18	Swi tzerl and	39	Spain	120	Austral ia	304	UK	300
	NSW (430)	1,288	NSW (856)	3,618	NSW (2,183)	8,056	NSW (3,868)	12,768	NSW [5,397]	13,852
	East	219	East	911	East	2,246	East	3,286	East	3,628
	World	1,507	World	4,528	World	10,302	World	16,053	World	17,480

NOTE: NSW secondary production from old and new scrap shown in parentheses.

SOURCE: Metal Statistics (various issues), Metal lgesellschaft Aktiengesellschaft.

Table A-3--Largest NSW Lead-Producing Countries Mine and Metal Production (thousand metric tonnes contained lead).

Rank	1960	1970	1980	1988
Mine production:				
1	United States 391	Australia 313	United States 519	United States 573
2	Mexico 238	United States 224	Australia 457	Australia 398
3	Australia 223	Mexico 191	Canada 395	Canada 297
4	Canada 150	Canada 187	Mexico 177	Mexico 189
5	Yugoslavia 86	Peru 131	Peru 157	Peru 149
6	Peru 62	Morocco 95	Yugoslavia 127	Yugoslavia 96
7	Morocco 48	Yugoslavia 91	Sweden 78	South Africa 91
8	W. Germany 47	Spain 73	Morocco 76	Sweden 85
9	Spain 40	Namibia 65	Spain 73	Spain 75
10	Italy 39	Sweden 55	Namibia 71	Morocco 70
	NSW 1,525	NSW 1,787	NSW 2,609	NSW 3,324
	East 160	East 589	East 854	East 1,025
	World 1,686	World 2,376	World 3,463	World 5,421
Metal production: refined metal from primary sources and old and new scrap				
1	United States 472	United States 481	United States 730	United States 1,091
2	Mexico 221	Australia 209	W. Germany 305	UK 374
3	Australia 200	W. Germany 207	UK 287	W. Germany 345
4	Canada 154	Mexico 167	Japan 209	Japan 340
5	W. Germany 142	UK 148	Australia 208	Canada 268
6	UK 74	Canada 144	Canada 186	France 256
7	Belgium 60	France 110	Mexico 180	Australia 180
8	Yugoslavia 57	Belgium 93	France 170	Mexico 179
9	France 51	Yugoslavia 89	Belgium 106	Italy 168
10	Spain 41	Japan 74	Yugoslavia 97	Yugoslavia 131
	NSW (255) 1,678	NSW 40) 2,141	NSW (460) 3,047	NSW 2,113 4,366
	East 172	East 576	East 943	East 1,436
	World 1,850	World 2,717	World 3,990	World 5,802

NOTE: NSW secondary production from old and new scrap shown in parentheses.
SOURCE: Metal Statistics (various issues), Metallgesellschaft Aktiengesellschaft.

Table A-4--Largest NSW Zinc-Producing Countries, Mine and Metal Production (thousand metric tonnes contained zinc).

Rank	1950		1960		1970		1980		1988	
Mine production:										
1	United States	566	United States	395	Canada	1,253	Canada	1,059	Canada	1,347
2	Canada	284	Canada	369	Australia	487	Australia	495	Australia	759
3	Mexico	224	Australia	323	United States	485	Peru	468	Peru	485
4	Australia	201	Mexico	271	Peru	299	United States	349	Spain	277
5	W. Germany	98	Peru	157	Japan	280	Mexico	243	Mexico	261
6	Peru	88	Japan	157	Mexico	266	Japan	238	United States	256
7	Italy	87	Italy	130	W. Germany	161	Ireland	229	Sweden	193
8	Zaire	77	W. Germany	115	Italy	111	Spain	179	Ireland	173
9	Spain	64	Zaire	109	Zaire	103	Sweden	167	Japan	147
10	Japan	52	Spain	86	Yugoslavia	101	W. Germany	121	Brazil	103
	NSW	1,950	NSW	2,595	NSW	4,305	NSW	4,536	NSW	5,098
	East	260	East	756	East	1,257	East	1,656	East	2,010
	World	2,210	World	3,351	World	5,561	World	6,192	World	7,108
Metal production: (refined metal from primary sources and old and new scrap)										
	United States	826	United States	787	United States	866	Japan	735	Canada	703
2	Canada	185	Belgium	248	Japan	681	Canada	592	Japan	678
3	Belgium	174	Canada	237	Canada	418	United States	370	W. Germany	352
4	W. Germany	136	W. Germany	192	W. Germany	301	W. Germany	365	United States	330
5	Australia	84	Japan	187	Australia	256	Australia	301	Australia	303
6	UK	71	France	149	Belgium	232	France	253	Belgium	298
7	France	68	Australia	119	France	224	Belgium	248	France	274
8	Mexico	49	Italy	85	UK	147	Italy	207	Spain	245
9	Japan	49	UK	76	Italy	142	Netherlands	170	Italy	242
10	Norway	43	Zaire	53	Spain	88	Spain	152	South Korea	223
	NSW (160)	1,810	NSW (149)	2,438	NSW (267)	3,955	NSU (349)	4,472	NSW (434)	5,223
	East	250	East	713	East	1,263	East	1,700	East	2,048
	World	2,060	World	3,151	World	5,218	World	6,172	World	7,271

NOTE: NSW secondary production from old and new scrap shown in parentheses.

SOURCE: Metal Statistics (various issues), Metalgesellschaft Aktiengesellschaft