

Mineral Industry Surveys

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PRECIOUS METALS IN MARCH 2002

U.S. mines produced 24,800 kilograms (kg) of gold and 133,000 kg of silver in March 2002. Compared with February 2002, production of gold was up 23% in California. Table 8 in this report lists the top 30 gold-producing mines in the United States for the first 3 months in 2002.

Gold

Domestic.—UNICO Inc. began to produce gold at its Deer Trail mill in Utah. The ore was brought in from its Bromide Mine in Hanksville, UT, treated at the Deer Trail mill, and shipped as a concentrate to a refiner for smelting (Platts Metals Week, 2002d).

Glamis Gold Ltd. closed the Picacho gold mine in southern California. Picacho operated for more than 20 years and was Glamis' first gold mine (Platts Metals Week, 2002b).

International.—The Bank of England sold 20,000 kg (643,000 troy ounces) of gold at \$296.50 per troy ounce on March 5. The auction, which was 3.7 times oversubscribed, was the last in a program of six sales and the final series of sales aimed at reducing British gold reserves. The auction price was \$0.10 higher than the London morning fix. The United Kingdom Treasury has 320,000 kg (10.3 million ounces) of gold remaining in its vaults, which amounts to about 7% of gross reserves, the lowest proportion of gold among nations (Platts Metals Week, 2002a).

Celtic Resources Holdings plc. poured the first gold at its Nezhdaninskoye project in Yakutia, a remote Russian Republic of Sakha. Gold output for 2002 is estimated at 1,400 kg (45,000 ounces), and 4,350 kg (140,000 ounces) in 2003 (Mining Journal, 2002).

South Africa's Avgold Ltd. opened its Target Mine near Welkom. It is the Free State province's first new deep gold

mine in the last 20 years. The mine is expected to produce 10,900 kg (350,000 ounces) of gold per year during the next 12 years at a cash cost of about \$100 per ounce (American Metal Market, 2002).

Silver

The price of silver dipped below \$4.40 per ounce and into the low \$4.20s during late January 2002. The price, however, has since traded comfortably in a range up to \$4.60 per ounce in February and March, moving above \$4.70 in early April. The price increase was driven by an improved U.S. economy and by silver's tracking of gold's move to higher prices. Higher prices for gold and silver has led to renewed optimism in the Coeur d'Alene silver district in Idaho. Hecla Mining Company and Coeur d'Alene Mines are the regions only remaining big operations, and both are optimistic about the future. Sunshine Mining has filed for bankruptcy and ASARCO Incorporated has withdrawn from its once substantial interest in the district. Hecla has undergone corporate downsizing but recently recalled 12 miners. While Hecla was able to reduce cash costs to \$2.00 per ounce at its Alaska, Mexico, and Venezuela operations, silver mining costs at the Lucky Friday Mine remain at around \$5.00 per ounce. Because of this high cost, production at the mine is being throttled back to 27,300 kg in 2002 from 140,000 kg in 2001. Hecla's estimate for silver production from all operations increased by 31,100 kg to more than 233,000 kg. The average total cash costs is expected to be about \$3.00 per ounce in 2002. Coeur d'Alene Mines' goal is to reduce mining costs to around \$4.00 per ounce at the Coeur-Galena-Caladay silver complex near Lucky Friday. The complex is expected to produce 156,000 kg of silver in 2002 (CRU Precious Metals Quarterly, 2002; Hecla Mining

Company, 2002; Platts Metals Week, 2002c).

Platinum-Group Metals

After breaching the \$500 per ounce level in early March, platinum reached an 8-month high of \$526 on March 11. Although the price subsequently eased a little, it was supported by physical demand, and settled into a trading range of \$510 to \$520 during the second half of March. Reports that one-year export quotas had been issued to Russia's alluvial platinum producers for the first time had little or no effect on prices as platinum ended the month with a London fixing of \$516 per ounce. Palladium prices staged a modest rally in March, climbing gradually from a low of \$360 to near \$400 towards the end of the month, as a recovery in physical demand combined with a lack of metal from Russia began to have an impact (Johnson Matthey plc, 2002).

Update

The Defense National Stockpile Center (DNSC) announced that pending congressional approval DNSC will have additional authority to sell platinum and iridium under revisions to the FY 2002 Annual Material Plan. These revisions were scheduled to go into effect on May 6, 2002 (AMP), at which time these commodities were to become available for sale. Platinum will be posted on DNSC's website <https://www.dnsc.dla.mil>. The iridium sales will be announced at a later date. The revised FY

2002 AMP will expire September 30, 2002.

	Current FY 2002	Revised FY 2002
<u>Material</u>	<u>Quantity</u>	<u>Quantity</u>
Platinum	2,955 kg	4,354 kg
Iridium	0 kg	187 kg

References Cited

- American Metal Market, 2002, New South African gold mine may be start of area recovery: American Metal Market, v. 110, no. 49, March 13, p. 4.
- CRU Precious Metals Quarterly, 2002, Silver: CRU Precious Metals Quarterly, 2nd quarter, p. 1.
- Hecla Mining Company, 2002, Hecla announces 40% increase in 2002 San Sebastian silver production: Coeur d'Alene, ID, Hecla Mining Company press release, April 15, p. 1.
- Johnson Matthey plc, 2002, The platinum metals report: Johnson Matthey plc, May, p. 1-2.
- Mining Journal, 2002, Celtic pours gold in Yakutia: Mining Journal, v. 338, no. 8674, March 1, p. 157.
- Platts Metals Week, 2002a, Analysts call BoE gold auction "highly mediocre": Platts Metals Week, v. 73, no. 10, March 11, p. 13.
- Platts Metals Week, 2002b, Glamis closes California gold mine: Platts Metals Week, v. 73, no. 13, April 1, p. 4.
- Platts Metals Week, 2002c, Idaho silver miners see hope in firming prices: Platts Metals Week, v. 73, no. 9, March 4, p. 8.
- Platts Metals Week, 2002d, UNICO starts gold production at Deer Trail: Platts Metals Week, v. 73, no. 10, March 11, p. 14.

TABLE 1
MINE PRODUCTION OF RECOVERABLE GOLD AND SILVER IN THE UNITED STATES, BY STATE 1/

(Kilograms)

Gold	Alaska	California	Nevada	Other States 2/	Total
2001:					
March	1,390	1,320	20,500	3,640	26,800
April	1,240	1,180	20,300	4,280	27,000
May	1,290	857	20,700	4,620	27,500
June	1,240	1,270	22,200	4,720	29,400
July	W	1,070	22,700	5,840	29,600
August	1,370	784	21,100	3,700	27,000
September	W	699	20,200	5,380	26,300
October	W	746	18,000	8,250	27,000
November	W	793	17,800	5,090	23,700
December	W	871	19,400	4,890	25,200
January-December p/	9,190	12,000	244,000	59,200	325,000
2002:					
January	W	872	17,800	4,280 r/	22,900
February	W	928	18,200	4,160 r/	23,300
March	W	1,140	19,400	4,300	24,800
January-March	W	2,940	55,300	12,600	71,000
Silver	Arizona	Idaho	Nevada	Other States 3/	Total
2001:					
March	W	W	46,000	83,500	129,000
April	W	W	37,000	106,000	143,000
May	W	W	50,900	94,700	146,000
June	W	W	60,400	92,400	153,000
July	W	W	43,700	87,600	131,000
August	W	W	49,300	87,500	137,000
September	W	W	48,200	72,400	121,000
October	W	W	36,500	79,200	116,000
November	W	W	45,200	74,400	120,000
December	W	W	54,400	89,100	144,000
January-December p/	W	40,600	555,000	1,010,000	1,600,000
2002:					
January	W	W	37,300	81,700 r/	119,000 r/
February	W	W	47,600	79,200 r/	127,000
March	W	W	48,000	85,400	133,000
January-March	W	W	133,000	246,000	379,000

p/ Preliminary. r/ Revised. W Withheld to avoid disclosing company proprietary data; included with "Other States."
1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes Arizona, Colorado, Idaho, Montana, New Mexico, South Carolina, South Dakota, Utah, Washington, and State indicated by symbol W.

3/ Includes Alaska, California, Colorado, Missouri, Montana, New Mexico, New York, South Carolina, South Dakota, Tennessee, Utah, Washington, and States indicated by symbol W.

TABLE 2
SELECTED PRECIOUS METAL PRICES

(Dollars per troy ounce)

	Gold	Silver	Platinum	Palladium
<u>Engelhard Industries:</u>				
2001:				
Low/date	257.04 April 2	4.05 November 26	419.00 November 7	319.00 November 13
High/date	294.40 September 17	4.87 January 30	645.00 January 10 and 15	1,100.00 January 26
Average	272.22	4.39	533.31	610.61
2002:				
January:				
Low/date	278.62/29	4.26/31	458.00/31	370.00/29
High/date	287.99/10	4.79/10	484.00/17	439.00/3
Average	282.62	4.50	475.18	412.18
February:				
Low/date	285.03/1	4.32/4	454.00/1	369.00/5
High/date	305.47/8	4.58/14	495.00/28	395.00/13
Average	296.50	4.45	474.00	377.79
March:				
Low/date	290.29/8	4.51/7 and 11	509.00/7	365.00/5 and 6
High/date	302.56/28	4.72/28	526.00/11	395.00/26
Average	295.21	4.56	514.65	377.48
Year to date:				
Low/date	278.62 January 29	4.26 January 31	454.00 February 1	365.00 March 5 and 6
High/date	305.47 February 8	4.79 January 10	526.00 March 11	439.00 January 3
Average	291.44	4.51	487.94	389.15
<u>Handy and Harman:</u>				
2001, Average				
	271.06	4.39	XX	XX
2002:				
January	281.47	4.50	XX	XX
February	295.40	4.45	XX	XX
March	294.06	4.56	XX	XX
Average year to date	290.31	4.5	XX	XX
<u>London Final: 1/</u>				
2001, Average				
	270.99	4.37	XX	XX
2002:				
January	281.51	4.51	XX	XX
February	295.49	4.42	XX	XX
March	294.06	4.53	XX	XX
Average year to date	290.35	4.49	XX	XX

XX Not applicable.

1/ Silver price reported as "London Spot/US Equiv."

Source: Platts Metals Week.

TABLE 3
U.S. IMPORTS AND EXPORTS OF GOLD 1/

(Kilograms of gold content, unless otherwise specified)

Period and country	Ores and concentrates 2/	Doré and precipitates	Refined bullion 3/	Ash and residues	Total 4/	Waste and scrap (gross weight)	Metal powder (gross weight)	Gold compounds (gross weight)
Imports for consumption:								
2001:								
December	21	5,240	9,190	(5/)	14,400	--	674	268
Year	1,260	31,100	161,000	193	194,000	--	9,450	1,960
2002:								
January	--	2,430	10,100	--	12,600	2,390	1,290	52
February:								
Brazil	--	--	1,840	--	1,840	1	--	--
Burkina Faso	--	--	--	--	--	--	100	--
Canada	--	(5/)	8,580	--	8,590	111	1,890	--
Chile	--	--	400	--	400	--	--	--
Colombia	--	162	339	--	501	--	86	--
Congo (Kinshasa)	--	142	--	--	142	--	--	--
Honduras	--	383	1	--	384	--	276	--
Mexico	--	87	134	--	221	108	--	--
Nicaragua	--	193	--	27	220	--	--	--
Peru	--	1,250	72	--	1,330	--	--	--
Switzerland	--	--	197	--	197	--	--	--
Other	2	5	135	--	141	224	73	57 6/
Total	2	2,220	11,700	27	14,000	444	2,430	57
Year to date	2	4,650	21,800	27	26,500	2,840	3,720	109
Exports:								
2001:								
December	--	525	23,200	--	23,700	--	2,420	1,560
Year	361	93,900	395,000	--	489,000	--	11,600	492,000
2002:								
January	6	71	17,700	--	17,800	796	1,520	20,700
February:								
Belgium	--	--	--	--	--	113	--	--
Cambodia	--	--	--	--	--	--	--	1,580
Canada	4	--	31	--	35	601	4	825 6/
Cayman Islands	--	--	--	--	--	--	--	720 6/
China	--	--	--	--	--	--	5	--
Colombia	--	--	--	--	--	--	--	12,300
Dominican Republic	48	--	--	--	48	--	--	235 6/
France	--	--	--	--	--	--	2	--
Germany	--	--	--	--	--	23	1	--
Guatemala	--	--	63	--	63	--	53	--
Israel	--	--	--	--	--	--	6	2,310 6/
Japan	--	4	--	--	4	--	2	--
Mexico	--	--	938	--	938	--	891	--
Peru	--	--	252	--	252	--	191	--
Singapore	--	3	1	--	4	--	48	--
Switzerland	--	5,350	2,850	--	8,200	125	494	--
United Arab Emirates	--	--	747	--	747	--	--	--
United Kingdom	--	--	6,830	--	6,830	2	6	387 6/
Other	--	22 6/	73	--	95	4	--	55 6/
Total	51	5,380	11,800	--	17,200	868	1,700	18,400
Year to date	57	5,450	29,500	--	35,000	1,660	3,220	39,100

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes gold content of base metal ores, concentrates, and matte imported for refining.

3/ Bullion also moves in both directions between U.S. markets and foreign stocks on deposit in the Federal Reserve Bank. Monetary gold excluded.

4/ "Waste and scrap," "Metal powder," and "Gold compounds" not included in "Total."

5/ Less than 1/2 unit.

6/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS FOR CONSUMPTION OF SILVER 1/

(Kilograms of silver content, unless otherwise specified)

Period and country	Bullion	Doré	Ores and concentrates 2/	Ash and residues	Total	Other unwrought silver (gross weight)	Metal powder (gross weight)	Silver nitrate (gross weight)	Semimanufactured form 3/ (gross weight)	Waste and scrap (gross weight)
2001:										
December	239,000	11,700	1,440	1,830	254,000	16,300	1,250	--	9,980	44,800
Year	2,940,000	151,000	7,550	38,000	3,130,000	249,000	24,200	26,000	153,000	1,110,000
2002:										
January	420,000	23	1,570	--	422,000	10,300	160	--	13,300	14,200
February:										
Brazil	--	--	--	--	--	--	--	--	7,010	6
Canada	95,900 4/	--	623	--	96,500	300	3 4/	--	17,300 4/	8,190
Chile	5,000	--	--	--	5,000	--	--	--	--	--
Colombia	--	721	--	--	721	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--	--	--	201
France	--	--	--	--	--	--	13 4/	--	135 4/	--
Germany	32	--	--	--	32	--	--	--	582 4/	9,010
Italy	--	--	--	--	--	--	--	--	232 4/	--
Jamaica	--	--	--	--	--	--	--	--	--	570
Japan	--	--	--	--	--	--	7 4/	--	166 4/	4,950
Korea, Republic of	--	--	--	--	--	--	--	--	869	--
Mexico	145,000	--	--	--	145,000	13,600	--	--	16	1,940
Peru	14,200	--	--	--	14,200	--	--	--	--	--
Philippines	--	--	--	--	--	--	--	--	--	4,500
Singapore	--	--	--	--	--	--	--	--	--	117
United Kingdom	--	--	--	--	--	148	--	--	276	355
Other	--	--	--	--	--	--	--	--	57 4/	58
Total	260,000	721	623	--	262,000	14,000	23	--	26,600	29,900
Year to date	681,000	743	2,190	--	684,000	24,300	183	--	39,900	44,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes silver content of base metal ores and concentrates.

3/ Containing 99.5% or more by weight of silver.

4 All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 5
U.S. EXPORTS OF SILVER 1/

(Kilograms of silver content, unless otherwise specified)

Period and country	Bullion	Doré	Ores and concentrates 2/	Total	Other unwrought silver (gross weight)	Metal powder (gross weight)	Silver nitrate (gross weight)	Semimanufactured form 3/ (gross weight)	Waste and scrap (gross weight)
2001:									
December	310,000	2,740	--	313,000	3,460	6,620	3,030	14,700	206,000
Year	707,000	18,200	239,000	963,000	48,800	187,000	143,000	203,000	1,810,000
2002:									
January	217,000	1,330	35,000	253,000	7,680	6,000	6,070	9,170	208,000
February:									
Belgium	--	--	--	--	--	57 4/	--	(5/) 4/	7,600
Brazil	--	--	--	--	--	--	--	348	--
Canada	6,640	--	--	6,640	230	1,400 4/	3,250	3,660 4/	45,000
China	--	--	--	--	--	--	--	120 4/	4,450
Colombia	--	--	--	--	--	235 4/	--	--	--
Dominican Republic	--	--	--	--	113	--	--	45 4/	--
Egypt	--	--	--	--	--	--	--	153	--
Finland	--	--	--	--	--	-- 4/	--	38 4/	--
France	--	--	--	--	--	874 4/	--	1,150 4/	--
Germany	--	24	--	24	11 4/	209	--	173 4/	20,800
Hong Kong	--	--	--	--	53	139 4/	--	541 4/	132
India	--	--	--	--	--	--	--	21	232
Ireland	--	--	--	--	--	5,830 4/	--	135 4/	--
Israel	--	--	--	--	--	--	13 4/	--	--
Italy	--	--	--	--	--	--	--	126 4/	19,500
Japan	--	--	--	--	13 4/	1,770 4/	23	2,700 4/	3,760
Korea, Republic of	--	--	--	--	2 4/	389 4/	--	-- 4/	65
Mexico	--	--	--	--	1,950	568 4/	293	974 4/	1
Netherlands	--	--	--	--	--	-- 4/	--	592 4/	--
Saudi Arabia	--	--	--	--	--	--	--	--	6,920
Singapore	--	--	--	--	--	450 4/	--	--	--
Spain	--	--	--	--	--	--	--	104 4/	47
Sweden	--	--	--	--	--	229 4/	--	--	33,000
Switzerland	--	1,840	--	1,840	22 4/	117 4/	--	61 4/	--
Taiwan	--	--	--	--	--	2,530 4/	--	155 4/	--
Thailand	--	--	--	--	--	--	--	259 4/	--
United Kingdom	32,700	--	35	32,700	--	1,610 4/	--	433 4/	68,300
Other	--	--	--	--	32	-- 4/	--	75 4/	40
Total	39,400	1,870	35	41,300	2,430	16,400	3,570	11,900	210,000
Year to date	256,000	3,200	35,100	294,000	10,100	22,400	9,640	21,000	418,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes silver content of base metal ores and concentrates.

3/ Semimanufactured (including silver plated with gold or platinum) forms of silver.

4/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF PLATINUM-GROUP METALS 1/

(Kilograms of metal content)

Period and country	Platinum grain and nuggets	Platinum sponge	Other unwrought platinum	Platinum, other	Platinum waste and scrap	Platinum coins	Unwrought palladium	Palladium, other	Iridium 2/	Unwrought osmium	Unwrought ruthenium	Rhodium 3/
2001:												
December	90	3,140	165	326	274	1	5,900	492	105	5	555	638
Year	2,480	68,700	3,660	5,330	3,960	53	146,000	13,600	3,110	77	8,170	12,400
2002:												
January	65	4,710	478	339	643	--	4,510	370	134	--	875	744
February:												
Argentina	--	--	--	--	1	--	--	--	--	--	--	--
Belgium	--	238	--	--	--	--	1,230	--	--	--	--	9
Brazil	--	--	--	--	158	--	--	--	--	--	--	--
Canada	1	--	--	71	1,740	--	178	--	--	--	--	--
Chile	--	--	--	--	1	--	--	--	--	--	--	--
Colombia	--	--	20	--	--	--	--	--	--	--	--	--
Czech Republic	--	--	1	--	--	--	--	--	--	--	--	--
France	--	--	--	--	21	--	--	--	--	--	--	--
Germany	46	406	42	223	29	--	61 4/	125	36	--	273	22
Ghana	--	--	(5/)	--	--	--	--	--	--	--	--	--
Honduras	--	--	--	--	--	--	7 4/	--	--	--	--	--
Israel	--	--	95	--	--	--	--	--	--	--	--	--
Italy	--	74	--	--	--	--	--	33	--	--	--	--
Japan	--	--	--	--	85	--	199	43 4/	--	--	--	--
Korea, Republic of	--	--	--	--	22	--	--	--	--	--	--	--
Mexico	--	--	--	--	67	--	--	--	--	--	--	--
Netherlands	--	--	--	2	--	--	--	--	--	--	--	--
Norway	--	82	--	--	--	--	--	--	--	--	--	3
Russia	--	310	--	--	--	--	320	25	--	--	--	--
South Africa	--	3,080	--	9	--	--	2,510	251	114	--	667	362
Switzerland	--	371	4	9	--	--	127	113	--	--	1	--
Taiwan	--	--	--	--	--	--	(5/)	--	--	--	--	--
United Kingdom	--	1,050	41	68	144	--	1,500	1	164	--	83	15
Venezuela	--	--	15	24	--	--	--	--	--	--	--	--
Total	47	5,610	218	406	2,260	--	6,140	591	314	--	1,020	411
Year to date	112	10,300	695	745	2,910	--	10,600	961	448	--	1,900	1,160

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Unwrought and other forms of iridium.

3/ Unwrought and other forms of rhodium.

4/ All or part of these data have been referred to the U.S. Census Bureau for verification.

5/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF PLATINUM-GROUP METALS 1/

(Kilograms of metal content, unless otherwise specified)

Period and country	Palladium 2/	Platinum 2/	Platinum waste and scrap	Iridium, osmium and ruthenium 2/ 3/	Rhodium 2/
2001:					
December	1,690	1,150	515	89	26
Year	37,000	29,300	12,900	1,370	982
2002:					
January	3,440	1,840	725	112	22
February:					
Australia	12	215 4/	--	--	--
Austria	--	1	--	--	--
Belgium	25 4/	7	5	--	--
Brazil	11	--	--	--	--
Canada	690	204	146	3	(5/) 4/
China	26 4/	--	(5/)	--	--
Colombia	3	--	--	--	--
Denmark	9 4/	1	--	--	--
Finland	3	3	--	--	--
France	17 4/	40	--	(5/)	9
Germany	100	479	299	10	(5/) 4/
Guinea-Bissau	--	4	--	--	--
Hong Kong	--	3	--	1	(5/) 4/
Iceland	(5/) 4/	(5/)	--	--	--
Ireland	227 4/	35	--	--	--
Israel	5	--	--	--	--
Italy	1 4/	--	--	--	--
Japan	194	530	25	--	(5/) 4/
Korea, Republic of	1	3 4/	--	--	--
Liechtenstein	--	5	--	--	--
Malaysia	--	(5/)	--	--	--
Mexico	26	5 4/	--	--	--
Netherlands	14 4/	2 4/	--	--	--
New Zealand	7 4/	--	--	--	--
Norway	9	--	--	--	--
Philippines	9 4/	5	--	--	--
Singapore	2	2 4/	--	(5/)	--
Slovenia	12	--	--	--	--
Spain	17	6	--	--	--
Sweden	--	2 4/	--	1	--
Switzerland	546	164	--	--	--
Taiwan	208 4/	1	--	--	--
Thailand	6	3	--	--	(5/) 4/
Turkey	(5/)	--	--	--	--
United Kingdom	352	232	22	90 4/	(5/) 4/
Total	2,530	1,950	498	104	9
Year to date	5,980	3,790	1,220	217	31

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Unwrought and other forms.

3/ Gross weight.

4/ All or part of these data have been referred to the U.S. Census Bureau for verification.

5/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 8
LEADING GOLD-PRODUCING MINES IN THE UNITED STATES IN THE FIRST QUARTER OF 2002, IN ORDER OF OUTPUT 1/

Rank	Mine	County and State	Operator	Kilograms
1	Newmont Nevada operations 2/ 3/	Various counties, NV	Newmont Gold Company	18,900
2	Betze-Post/Goldstrike	Eureka, NV	Barrick Gold Corporation	10,600
3	Cortez	Lander, NV	Placer Dome Inc.	8,600
4	Round Mountain	Nye, NV	Round Mountain Gold Corporation	5,800
5	Meikle/Goldstrike	Elko, NV	Barrick Gold Corporation	4,400
6	Bingham Canyon 4/	Salt Lake, UT	Kennecott Utah Copper Corp.	3,900
7	Fort Knox 5/	Fairbanks, AK	Fairbanks Gold Mining Inc.	2,900
8	Jerritt Canyon	Elko, NV	Independence Mining Company, Inc.	2,200
9	Cresson	Teller, CO	Cripple Creek & Victor Gold Mining Co.	1,300
10	Getchell	Humboldt, NV	Placer Dome Inc.	1,100
11	Bald Mountain	White Pine, NV	do.	1,000
12	Barney's Canyon	Salt Lake, UT	Kennecott Barney's Canyon Mining Co.	920
13	Greens Creek	Juneau, AK	Kennecott Greens Creek Mining Co.	740
14	Denton-Rawhide	Mineral, NV	Kennecott Rawhide Mining Co.	730
15	Golden Sunlight	Jefferson, MT	Placer Dome Inc.	720
16	Wharf	Lawrence, SD	Wharf Resources, Ltd.	650
17	Rand	Kern, CA	Glamis Rand Mining Co.	580
18	Marigold	Humboldt, NV	Glamis Gold Ltd.	570
19	McCoy/Cove	Lander, NV	Echo Bay Mines Limited	510
20	Rochester	Pershing, NV	Coer d'Alene Mines Corp.	510
21	Castle Mountain	San Bernardino, CA	Viceroy Resources Corporation	490
22	Briggs	Inyo, CA	Canyon Resources Corp.	380
23	Kettle River	Ferry, WA	Echo Bay Mines Limited	330
24	Illinois Creek 6/	Yukon-Koyukuk, AK	American Reclamation Group LLC	230
XX	Florida Canyon	Lander, NV	Florida Canyon Mining, Inc.	(7/)
XX	Ken Snyder	Elko, NV	Euro-Nevada Mining Co.	(7/)
XX	Mesquite	Imperial, CA	Newmont Gold Company	(7/)
XX	McLaughlin	Napa, Yolo, CA	Barrick Gold Corporation	(7/)
XX	Montana Tunnels	Jefferson, MT	Montana Tunnels Mining, Inc.	(7/)
XX	Ruby Hill	Eureka, NV	Homestake Mining Company	(7/)

XX Not applicable.

1/ Data are rounded to no more than three significant digits; these mines accounted for more than 99% of the U.S. gold production in the first quarter of 2002.

2/ Includes Carlin Mines Complex, Lone Tree, and Twin Creeks.

3/ Mill output.

4/ Mine production refers to total quantity of gold produced in concentrates.

5/ Mine production refers to gold equivalent produced.

6/ Estimate from State annual report.

7/ Production at Florida Canyon, Ken Snyder, Mesquite, McLaughlin, Montana Tunnels, and Ruby Hill are withheld; mines are among the top 30 gold-producing mines in the United States, but are not shown in rank in order to avoid disclosing company proprietary data.

Sources: Company quarterly reports, Securities and Exchange Commission's 10Q reports, and company news releases.