

# North America Gold Mines

## Quarterly Summary to 30 June 2018



For the quarter ending 30 June 2018 reported gold production totalled 3.5 Moz, with USA the largest producer closely followed by Canada. Barrick Gold Corp's Nevada operations in the USA once again was the largest gold producer with 464,000 oz, followed by Agnico Eagle and Yamana Gold's Canadian Malartic mine (183,726 oz) in Canada and Newmont Mining Corp's Carlin mine (183,000 oz) in USA.

The average gold price (London PM Fix) for the quarter was US\$1,306/oz. The average reported All-in Sustaining Costs (AISC) was US\$1,005/oz and to be considered in the lowest cost quartile an AISC of less than or equal to US\$719/oz was required. The mine with the lowest reported AISC was Goldcorp Inc's Penasquito mine in Mexico with an AISC of US\$490/oz, this was followed by Newmont Mining Corp's Long Canyon mine (US\$502/oz) in USA and Premier Gold Mines' 40% interest in the South Arturo mine (US\$506/oz) in the USA.

### Overall - Top 5 Mines by Gold Production

Rank	Operation	Country	Principal Owners	Au Produced (oz)
1	- Barrick Nevada	USA	Barrick Gold Corporation	464,000
2	▲1 Canadian Malartic	Canada	Agnico Eagle Mines Ltd 50%; Yamana Gold Inc. 50%	183,726
3	▼1 Carlin	USA	Newmont Mining Corporation	183,000
4	- Detour Lake	Canada	Detour Gold Corporation	154,385
5	- Herradura	Mexico	Fresnillo Plc	117,886

**Notes:** Barrick's Nevada operations is comprised of the Cortez, Goldstrike and 60% of the South Arturo mines.

### Overall - Top 5 Mines by All-in Sustaining Costs

Rank	Operation	Country	Principal Owners	Au Produced (US\$/oz)
1	- Penasquito	Mexico	Goldcorp Incorporated	490
2	▲1 Long Canyon	USA	Newmont Mining Corp	502
3	▲1 South Arturo	USA	Premier Gold Mines Ltd 40%	506
4	▲1 Moose River Consolidated	Canada	Atlantic Gold Corp 63.5%; Moose River Resources Inc. 36.5%	562
5	▲17 Haile	USA	OceanaGold Corp	573

**Notes:** South Arturo is 60% owned by Barrick Gold Corp, who reports it as part of their Nevada operations.

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### Canada

#### Top 5 Mines by Gold Production

Rank	Operation	Principal Owners	Au Produced (oz)	
1	-	Canadian Malartic	Agnico Eagle Mines Ltd 50%; Yamana Gold Inc. 50%	183,726
2	-	Detour Lake	Detour Gold Corp	154,385
3	▲1	Brucejack	Pretium Resources Incorporated	111,340
4	▲2	Eleonore	Goldcorp Incorporated	85,000
5	▼2	LaRonde	Agnico Eagle Mines Ltd	84,526

#### Top 5 Mines by All-in Sustaining Costs

Rank	Operation	Principal Owners	Au Produced (US\$/oz)	
1	-	Moose River Consolidated	Atlantic Gold Corp 63.5%; Moose River Resources Inc. 36.5%	562
2	▲10	Brucejack	Pretium Resources Inc.	648
3	▲1	Canadian Malartic	Agnico Eagle Mines Ltd 50%; Yamana Gold Inc. 50%	664
4	▼1	Island	Alamos Gold Inc.	668
5	▲1	Macassa	Kirkland Lake Gold Ltd.	687

### USA

#### Top 5 Mines by Gold Production

Rank	Operation	Principal Owners	Au Produced (oz)	
1	-	Barrick Nevada	Barrick Gold Corp	464,000
2	-	Carlin	Newmont Mining Corp	183,000
3	-	Round Mountain	Kinross Gold Corp	97,650
4	▲5	Turquoise Ridge	Barrick Gold Corp 75%; Newmont Mining Corp 25%	92,000
5	-	Twin Creeks	Newmont Mining Corp	87,000

#### Top 5 Mines by All-in Sustaining Costs

Rank	Operation	Principal Owners	Au Produced (US\$/oz)	
1	-	Long Canyon	Newmont Mining Corp	502
2	-	South Arturo	Premier Gold Mines Ltd 40%	506
3	▲6	Haile	OceanaGold Corp	573
4	▼1	Barrick Nevada	Barrick Gold Corp	719
5	▼1	Turquoise Ridge	Barrick Gold Corp 75%; Newmont Mining Corp 25%	757

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### Mexico

#### Top 5 Mines by Gold Production

Rank		Operation	Principal Owners	Au Produced (oz)
1	-	Herradura	Fresnillo Plc	117,886
2	▲1	El Limon-Guajes	Torex Gold Resources Inc.	80,096
3	▼1	Penasquito	Goldcorp Inc.	73,000
4	-	Pinos Altos	Agnico Eagle Mines Ltd	52,362
5	▲1	Mulatos	Alamos Gold Inc.	50,600

#### Top 5 Mines by All-in Sustaining Costs

Rank		Operation	Principal Owners	Au Produced (US\$/oz)
1	-	Penasquito	Goldcorp Inc.	490
2	-	El Aguila	Gold Resource Corp	577
3	▲6	Cerro Prieto	Goldgroup Mining Inc.	670
4	▼1	El Gallo Complex	McEwen Mining Inc.	816
5	▼1	Mulatos	Alamos Gold Inc.	854

### Data Tables

#### North American Gold Mines that Report All-in Sustaining Costs

Rank	Operation	Country	Principal Owners	Au Produced (oz)	AISC (US\$/oz)
1	Penasquito	Mexico	Goldcorp Inc.	73,000	490
2	Long Canyon	USA	Newmont Mining Corp	42,000	502
3	South Arturo	USA	Barrick Gold Corp 60%; Premier Gold Mines Ltd 40%	5,568	506
4	Moose River Consolidated	Canada	Atlantic Gold Corp 63.5%; Moose River Resources Inc. 36.5%	22,269	562
5	Haile	USA	OceanaGold Corp	38,644	573
6	El Aguila	Mexico	Gold Resource Corp	5,806	577
7	Brucejack	Canada	Pretium Resources Inc.	111,340	648
8	Canadian Malartic	Canada	Agnico Eagle Mines Ltd 50%; Yamana Gold Inc. 50%	183,726	664
9	Island	Canada	Alamos Gold Inc.	26,700	668
10	Cerro Prieto	Mexico	Goldgroup Mining Inc.	1,012	670
11	Macassa	Canada	Kirkland Lake Gold Ltd	60,571	687
12	New Afton	Canada	New Gold Inc.	18,637	704

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Rank	Operation	Country	Principal Owners	Au Produced (oz)	AISC (US\$/oz)
13	Barrick Nevada	USA	Barrick Gold Corp	464,000	719
14	Turquoise Ridge	USA	Barrick Gold Corp 75%; Newmont Mining Corp 25%	92,000	757
15	El Gallo Complex	Mexico	McEwen Mining Inc.	10,808	816
16=	Mulatos	Mexico	Alamos Gold Inc.	50,600	854
16=	Seabee	Canada	SSR Mining Inc.	23,582	854
18	Cripple Creek and Victor	USA	Newmont Mining Corp	64,000	857
19	Mesquite	USA	New Gold Inc.	31,799	875
20	Twin Creeks	USA	Newmont Mining Corp	87,000	878
21	Eleonore	Canada	Goldcorp Inc.	85,000	948
22	Musselwhite	Canada	Goldcorp Inc.	50,000	955
23	Eagle River Complex	Canada	Wesdome Gold Mines Ltd	16,628	962
24	Los Filos	Mexico	LeaGold Mining Corp	43,541	967
25	Pan	USA	Fiore Gold Ltd	9,964	971
26	Marigold	USA	SSR Mining Inc.	49,436	981
27	Porcupine	Canada	Goldcorp Inc.	64,000	1,012
28	El Limon-Guajes	Mexico	Torex Gold Resources Inc.	80,096	1,017
29	Point Rousse	Canada	Anaconda Mining Inc.	4,632	1,029
30	Casa Berardi	Canada	Hecla Mining Company	42,722	1,039
31	Soledad Mountain	USA	Golden Queen Mining Co. Ltd. 50%; Jefferies Financial Group Inc. 37.73%; Auvergne, LLC 12.27%	9,976	1,045
32	Black Fox	Canada	McEwen Mining Inc.	14,055	1,056
33	Phoenix	USA	Newmont Mining Corp	54,000	1,057
34	Young-Davidson	Canada	Alamos Gold Inc.	39,100	1,083
35	Timmins	Canada	Tahoe Resources Inc.	42,000	1,092
36	Detour Lake	Canada	Detour Gold Corp	154,385	1,104
37	Westwood	Canada	IAMGOLD Corp	31,000	1,129
38	Taylor	Canada	Kirkland Lake Gold Ltd.	12,940	1,137
39	San Francisco	Mexico	Alio Gold Inc.	14,466	1,172
40	Carlin	USA	Newmont Mining Corp	183,000	1,217
41	Red Lake	Canada	Goldcorp Inc.	62,000	1,232
42	Rainy River	Canada	New Gold Inc.	55,219	1,295

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Rank	Operation	Country	Principal Owners	Au Produced (oz)	AISC (US\$/oz)
43	Mercedes	Mexico	Premier Gold Mines Ltd	13,780	1,325
44	Holt	Canada	Kirkland Lake Gold Ltd.	13,712	1,380
45	El Chanate	Mexico	Alamos Gold Inc.	10,100	1,442
46	Hemlo	Canada	Barrick Gold Corp	38,000	1,453
47	Hope Bay	Canada	TMAC Resources Inc.	25,970	1,642
48	Golden Sunlight	USA	Barrick Gold Corp	7,000	2,138
49	Cerro San Pedro	Mexico	New Gold Inc.	2,895	2,522

### North American Mines that do not Report All-in Sustaining Costs

Rank	Operation	Country	Principal Owners	Au Produced (oz)
1	Herradura	Mexico	Fresnillo Plc	117,886
2	Round Mountain	USA	Kinross Gold Corp	97,650
3	LaRonde	Canada	Agnico Eagle Mines Ltd	84,526
4	Fort Knox	USA	Kinross Gold Corp	71,463
5	Bald Mountain	USA	Kinross Gold Corp	71,435
6	Pogo	USA	Sumitomo Metal Mining Company Ltd 85%; Sumitomo Corporation 15%	64,300
7	Meadowbank	Canada	Agnico Eagle Mines Ltd	59,627
8	Pinos Altos	Mexico	Agnico Eagle Mines Ltd	52,362
9	Noche Buena	Mexico	Fresnillo Plc	45,308
10	Goldex	Canada	Agnico Eagle Mines Ltd	30,480
11	Kensington	USA	Coeur Mining, Inc.	25,570
12	La India	Mexico	Agnico Eagle Mines Ltd	24,920
13	Wharf	USA	Coeur Mining, Inc.	22,507
14	Cienega	Mexico	Fresnillo Plc	16,689
15	San Agustin	Mexico	Argonaut Gold Inc.	15,528
16	Lapa	Canada	Agnico Eagle Mines Ltd	14,533
17	La Colorada	Mexico	Argonaut Gold Inc.	11,503
18	San Dimas	Mexico	First Majestic Silver Corp	11,348
19	Santa Elena	Mexico	First Majestic Silver Corp	11,040
20	El Castillo	Mexico	Argonaut Gold Inc.	10,079

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Rank	Operation	Country	Principal Owners	Au Produced (oz)
21	La Trinidad	Mexico	Marlin Gold Mining Ltd.	7,995
22	Beaufor	Canada	Monarques Gold Corp	4,695
23	LaRonde Zone 5	Canada	Agnico Eagle Mines Ltd	4,601
24	Bachelor Lake	Canada	Metanor Resources Inc.	4,544
25	San Jose de Gracia	Mexico	DynaResource, Inc. 80%; Goldgroup Mining Inc. 20%	3,634
26	San Martin	Mexico	Starcore International Mines Ltd.	3,500
27	Mineral Ridge	USA	Scorpio Gold Corp 70%; Waterton Global Resource Management, Inc. 30%	1,727
28	New Jersey	USA	New Jersey Mining Company	472

**Notes:** Fresnillo Plc, Kinross Gold Corp, Agnico Eagle Mines Ltd do not report AISC for individual mines, only overall quarterly AISC.

Barrick Nevada consists of Goldstrike, Cortez and 60% of South Arturo, Premier Gold Mines Ltd holds the remaining 40% interest in South Arturo, which has been reported separately.

Not all companies had fully reported their quarterly production and costs at the time this document was prepared.

**Data Sources:** Data was sourced from company quarterly reports, S&P Global Market Intelligence, cost curve created by Aurum Analytics