Deutsche Bank Markets Research

North America Canada **United States** Industrials Metals & Mining

Metals in the Americas

Date 14 March 2018 **Industry Update**

Precious Metals Review: Cash flow use key, prefer ABX, WPM, PAAS

Balance Sheets solid, now it comes down to decisions around cash allocation Precious Metals equities under coverage have now all reported (with the exception of Wheaton Precious Metals (Buy), expected on March 21). After a number of years of deleveraging, balance sheets are now in a position allowing companies flexibility to differentiate strategies. In this note, we provide updated forecasts for each company, our view on gold including key drivers and correlations to macro variables and also key themes facing the sector. Key Points: 1) After making PT adjustments, our Buy-rated Precious stocks include: Barrick and Pan American Silver from the producers and Wheaton Precious Metals from royalties/streamers, 2) We forecast gold to modestly decline in 2H18 and average \$1,283/oz in 2018 (vs spot ~\$1,324/oz),3) Key themes for the sector largely center on the use of cash flow; with a sector that invested very little in greenfield and brownfield projects over the past 5 years, companies must now decide on the split of capex/exploration/dividends/buybacks/further debt reduction/M&A opportunities, which will require sensible decisions from company management teams. The other key theme for the industry relates to cost inflation with a number of companies indicating some headwinds are returning.

1) Top picks: Barrick, Pan American and Wheaton Precious Metals

Overall, we have a neutral-to-cautious view on the direction of the gold price (see below) and as such our Buy-rated stocks are those that either screen relatively cheaper or offer specific catalysts. Out of the mainstream producers, our preference is for Barrick, with the stock trading at 0.8x NPV, 6.6% FCF yield (vs the peer average of 3.6%) and 5.1x EV/2018E EBITDA (vs the peer average of 7.0x). We believe the recent sell-off is overdone and despite the company lacking an attractive production profile, Barrick has high-quality assets, lower cash costs than most peers and should have its Balance Sheet fully in order during 2018 allowing medium-term organic project opportunities. Pan American is also Buy rated with the company post peak capex, net cash and now should see production improving out to 2020. The company is ~50% revenue exposed to silver and the current silver-to-gold ratio is ~80x, above the historical range of 63x - 79x over the past four years. In the royalty/streaming group, our preference is for Wheaton Precious Metals with the company trading at 16.4x EV/2018E EBITDA (vs Franco-Nevada at 24.2x), and risks have reduced with recent changes at the San Dimas stream. We believe the company is well positioned to leverage off potential new investments that could be made by producers in the medium term.

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Key Changes	,	
Company	Target Price	Rating
ABX.N	17.50 to 15.00	-
PAAS.OQ	20.00 to 19.00	-
Source: Deutsche	Bank	
Top picks		,
Barrick (ABX	(.N),USD12.18	Buy
Pan America (PAAS.OQ), U	0	Buy
Wheaton Pre (WPM.N),US	ecious Metals SD19.88	Buy
Source: Deutsche	Bank	
Companies fe	eatured	
Barrick (ABX	(.N),USD12.18	Buy
Goldcorp (Go	G.N),USD13.33	Hold
Kinross (KGC	C.N),USD3.59	Hold
Newmont (N	IEM.N),USD38.22	Hold
Pan America (PAAS.OQ),U		Buy
Franco-Neva	da (FNV.N),USD69.32	Hold
Wheaton Precious Me (WPM.N),US		Buy
Source: Deutsche	Bank	

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2) Gold Price: Can gold still be viewed as offering downside protection?

Gold with inflation: One relevant question is how realistic it is for companies to bring down costs (which has been the trend in the past 3 years), while it seems the inflationary environment is returning, and also, what this means for gold equities. In the past, gold has often been viewed as a good alternative for investors to hedge against inflation. Figure 1 and Figure 2 show gold against the Consumer Price Index (CPI) index and also gold against Personal Consumption Expenditure (PCE) indicating some correlation, but further variables are required. While gold seems to have acted largely independently in periods of healthy to elevated inflation (in the period of 1988-2000, for example), there can be a response from gold in periods of high inflation, such as in the 1970s, or when central banks start buying for their reserves.

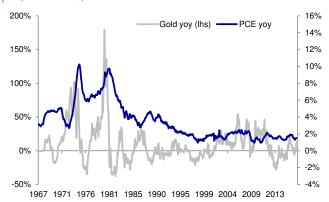
Gold with market volatility: Gold is also often perceived to be a safe haven asset, for example, when there is equity market uncertainty, but as shown in Figure 3 below, while gold has generally provided relative downside protection, the gold price has fallen just as often as it has risen for periods of S&P 500 declines of 8% or more since 1990. Gold generally has only provided consistent absolute downside protection for periods of time when there is a 5-day period of the S&P 500 declining >17% or more.

Gold against our model: While the spot price of gold is ~\$1,325/oz, we believe the gold price could fall modestly by year-end (we expect it to reach \$1,260/oz with some potential to undershoot, although this will depend on macro variables). Our predictable model is based on the real 10Y interest rate, the USD against a trade-weighted basket of currencies, the equity risk premium and Central Bank purchases. Figure 4 and Figure 5 show the model estimates over a 6-week period and also over the longer term, since 2007 shown in Figure 6. Over a 10-year view, the model variables explain most of gold's movements but it is more difficult on a shorter-term basis. For more details, please refer to Michael Hsueh's report of February 14, 2018, titled Valentine's Day Sale.

1967 1971 1976 1981 1985 1990 1995 1999 2004 2009 2013

Source: Bloomberg Finance LP, Deutsche Bank

Figure 2: Gold and PCE (Personal Consumption Expenditure) performance



Source: Bloomberg Finance LP, Deutsche Bank

-4%



Figure 3: Gold performance during 5-day S&P drawdowns of at least -8%

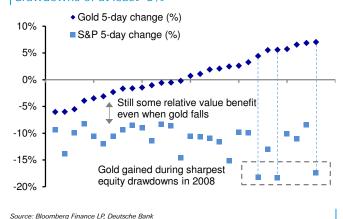


Figure 4: Model regression components, contribution to gold fair value since 25 Jan (USD/oz)

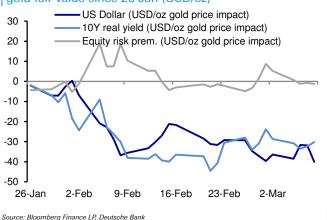


Figure 5: Model and actual gold price decline from 25 Jan (USD/oz)

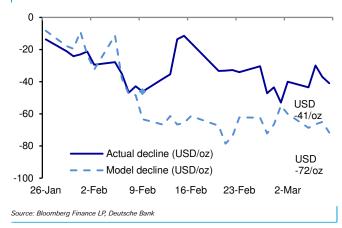
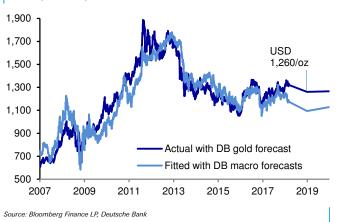


Figure 6: Gold and model forecast from 2017 through to 2019 (USD/oz)



3) Key themes - investment decisions and cost inflation

- Capital allocation: We are nearing 5 years since the significant gold price (~\$1,600/oz down to \$1,360/oz) correction in early April 2013. The period since has largely been characterized by cost cutting, capex reduction and de-leveraging of Balance Sheets. With an average ND/2018E EBITDA ratio of 0.5x for Precious stocks under coverage, companies are largely finished with debt reduction and must now decide on the right mix of project capex (brownfield and greenfield)/exploration/dividends/buybacks/further debt reduction/M&A opportunities. Management decisions to define companies will likely diverge over the coming years and we believe this is a key consideration for investors, particularly for a sector that does not have a good record of deploying capital. In terms of dividends, companies will need to define policies that are both sustainable but also representative of variation in cash flow through the cycle, e.g., a base dividend with a supplementary dividend is most likely.
- Cost pressure starting to come back: A number of companies on recent conference calls mentioned cost pressure that is entering the industry either through macro factors or through mining sector specific areas.



Examples include the increase in energy costs (mainly due to higher diesel/gas prices), some currency moves, consumables, equipment and contracting. It does not appear to be significant at this stage but the opportunities for cost-cutting initiatives seem to have largely ended (with the potential exception of technology impacts, e.g., Barrick's initiatives medium- to long-term). As an example of cost pressure, Barrick's nearterm All-In Sustaining Costs (AISC) are expected to be ~\$765-815/oz for 2018, ~\$50/oz higher than previous guidance of \$740-760/oz. Longer term, Barrick has alluded to the fact that its target of \$700/oz is going to be more difficult to achieve.

Approach to new projects: Companies are now adopting a more targeted and sensible approach to growth projects and we expect this to continue, an example of this is the phased method Kinross is using to develop its Tasiast project (two-phases). Further JVs could be formed to share risk. Investors still appear cautious around new projects.



Precious Metals coverage overview

Out of the mainstream producers, our preference is for Barrick (PT \$15/sh with 23% upside potential), with the stock trading at 0.8x NPV, 6.6% FCF yield (vs the peer average of 3.9%) and 5.1x EV/2018E EBITDA (vs the peer average of 7.0x). We believe the recent sell-off is overdone and despite the company lacking an attractive production profile, Barrick has high-quality assets, lower cash costs than most peers and should have its Balance Sheet fully in order during 2018 allowing medium-term organic project opportunities. Pan American (PT \$19/sh with 19% upside potential) is also Buy rated with the company post peak capex, net cash and now should see production improving out to 2020. The company is ~50% revenue exposed to silver and the current silver-to-gold ratio is ~80x, above the historical range of 63x - 79x in the past four years. In the royalty/ streaming group, our preference is for Wheaton Precious Metals (PT \$27/sh with 35% upside potential) with the company trading at 16.4x EV/2018E EBITDA (vs Franco-Nevada at 24.2x) and risks have reduced with recent changes at the San Dimas stream. We believe the company is well positioned to leverage off potential new investments that could be made in the mining sector.

We maintain a Hold on Newmont (PT \$40/sh) as we believe key catalysts have now played out, e.g., de-leveraging is largely complete, Merian has successfully ramped up and the market has adjusted to reward Newmont as a dividend leader. For Kinross (PT \$4.00/sh, Hold), we believe the stock is fairly valued although further developments at Tasiast and Round Mountain are positive catalysts for forward years. We maintain a Hold on Goldcorp (PT \$16/sh), as we are waiting for evidence of further execution and implementation of management's 20/20/20 strategy (20% increase in Reserves and production along with a 20% decrease in costs). We maintain a Hold on Franco-Nevada (PT \$77/sh) as we believe the company is fairly valued and 2018 is a transition year until the ramp-up at Cobre Panama is complete.

Our Price Targets are based on ~1.0x NPV, calculated using a DCF methodology. Key up-/downside risks include gold/silver prices, raw material costs, and geopolitical risks. This report contains PT changes.

Barrick - PT \$15/sh (from \$17.5/sh previously), Maintain Buy

We maintain a Buy on Barrick and we see it as the best value among the main stream gold producers under coverage. However, we are cutting our PT to \$15/sh from \$17.5/sh, as we have made adjustments to our model post-4Q17 earnings. 2018 guidance fell short, as gold production guidance was lowered to 4.5-5.0moz (previously announced at 4.8-5.3moz, which was partly impacted by asset sales), and 2018 All-In Sustaining Costs (AISC) guidance was increased by ~\$50/oz to \$765-815/oz. The reduced production forecast is mainly related to lower grades at Barrick Nevada and some planned maintenance at Pueblo Viejo, along with the sale of 50% of Veladero to Shandong Gold in 2017. At Acacia, the ongoing uncertainties in Tanzania remain unresolved but could be a positive catalyst for the stock if there is more clarity by mid-2018. Barrick continues to focus on further developing medium- and long-term organic opportunities as well as continuously improving efficiencies via technology applications, especially at Barrick Nevada. We believe that management's focus on improving the Balance Sheet over the past two years and the efforts of reducing Debt are now paying off as Net Debt reached ~\$4.2bn at YE17 and Debt was reduced by ~\$1.5bn during 2017. Barrick's key organic opportunity set includes projects such as Turquoise Ridge (construction of a third shaft, which could double production to ~500koz on a



consolidated basis) and an expansion of Deep South at Cortez. Barrick is also aiming to further develop JV opportunities, including existing relationships with partners such as Shandong Gold.

Pan American Silver - PT \$19/sh (from \$20/sh previously), maintain Buy

We maintain a Buy rating on Pan American Silver (PAAS) but we are cutting our PT to \$19/sh, from \$20/sh, based on ~1.0x NPV of \$18.7/sh. Beyond La Colorada and Dolores expansions, we believe PAAS has a range of interesting organic projects, which we think could be beneficial to the company over time, such as the development of Joaquin and COSE projects to extend the mine life at Manantial Espejo. PAAS has a net cash position, is post peak capex and production and costs should continue to improve out to 2020. In 2017, silver Reserves increased to 288moz (+2.0moz compared with 2016) but gold Reserves decreased slightly to 1.9moz (-0.1moz vs 2016), mainly due to depletion at the Morococha and Huaron mines. PAAS intends to continue drilling in 2018 with focus around Manantial Espejo. The quarterly dividend was increased to 3.5c/sh (to be paid on March 16, 2018), representing a ~40% increase from 2.5c/sh previously. Navidad remains further upside to the company if progress can be made on the permitting process.

Wheaton Precious Metals - PT unchanged at \$27/sh, maintain Buy

Although Wheaton Precious Metals has not yet reported 4Q17 results, we maintain a Buy and a \$27/sh PT. At San Dimas, a change in ownership recently occurred (from Primero to First Majestic Silver) and the stream agreement was slightly revised (WPM now will receive 25% of gold production, in addition to 25% of silver production converted to gold at a fixed gold/silver exchange ratio of 70:1). Wheaton Precious Metals will pay First Majestic the lower of \$600/oz or the prevailing market price. We believe this is a positive outcome at the mine after months of uncertainty. An update on the tax audit with the Canada Revenue Agency could also be shared during 4Q17 results; this has been an overhang for the stock.

Newmont - PT unchanged at \$40/sh, maintain Hold

We maintain a Hold and a \$40/sh PT on Newmont as we continue to believe the stock is fairly valued and key catalysts have now played out. Although, we see the announced dividend increase of almost 50% from 7.5c to 14c as a positive sign of shareholder returns to come, we believe this is now priced in. At YE17, Newmont Net Debt was \$0.8bn, with Debt of ~\$4.6bn, ranking the company as one of the Balance Sheet leaders in the industry, with a 2017A Net Debt/EBITDA ratio of ~0.3x. Lastly, while Reserves remained stable at 68.5moz, Resources were increased by 1% to 48.2moz by adding 4.4moz via exploration and 2.0moz through acquisitions and some revisions at existing mines. Copper Reserves increased by 7% to 1.2mt, while Resources were constant at 2.3mt.

Goldcorp - PT unchanged at \$16/sh, maintain Hold

We maintain a Hold and a \$16/sh PT for Goldcorp as we are waiting to see further consistency and execution of management's 20/20/20 strategy (20% Reserves and production increase, and 20% cost decrease). Goldcorp's Reserves went up by~+26% from 42.3moz in June 2016 to 53.5moz in June 2017, mainly on Porcupine's Century project. We expect to see progress at the Borden project (Porcupine) and Coffee projects in 2018. At Coffee, a Reserves & Resources update is expected in early 2Q18, which would include an update on drilling for the past 12 months. At NuevaUnion, an update on the pre-feasibility study is expected during 1Q18 results, which will be released on April 25. Management seems confident around pursuing the opportunity, and the first half of 2019 could



see an investment decision. At Norte, Goldcorp continues to drill and 2018 will be a focus year to try to get confirmation of the geological profile.

Kinross - PT unchanged at \$4.00/sh, maintain Hold

We maintain a Hold and \$4.00/sh PT on Kinross as we believe the stock is fairly valued, but we believe there could be improvements in the coming years as further progress at the development of Tasiast and Round Mountain continues. Production from Tasiast Phase One is expected by 2H18, and Phase Two development should start in the next few months; both phases in combination are expected to transform Tasiast into a large, low-cost operation with over 10 years of mine life. Kinross recently acquired two hydroelectric power plants in Brazil near Paracatu (~\$260m, to be mostly debt financed). The plants should help in providing long-term power to the Paracatu mine, forecast by the company to reach ~70% of the mine's power needs. This could result in lower production costs (~\$80/oz) and this demonstrates Kinross' continued commitment to improving Paracatu.

Franco-Nevada - PT unchanged at \$77/sh, maintain Hold

We maintain a Hold and a \$77/sh PT for Franco-Nevada as we believe the stock is fairly valued, and we believe 2018 will be a transition year with the further development and ramp-up at Cobre Panama. Franco-Nevada acquired an additional 10% stream at Cobre Panama from KORES in January 2018 for \$178m (expected to close in 1Q18). Cobre Panama is now ~70% complete and an initial 15% expansion to the throughput capacity has been approved by First Quantum earlier this year. Franco-Nevada continues to look further into diversification; O&G is an area of interest for the company and therefore management continues to look for potential acquisitions.

Figure 7: DB Americas Precious Metals Valuation Summary

		Price		Price	%	Mkt cap _	EV/	EBITDA (x)			P/E (x)		FC	F Yld (%)		P/BV	Div yield	ROE	ND/E
Company	Ticker	3/13/2018	Rating	Target	upside	(US\$m)	2018E	2019E	2020E	2018E	2019E	2020E	2018E	2019E	2020E	(x)	(%)	(%)	(9
Barrick Gold Corporation	ABX.N	12.18	Buy	15	23%	14,202	5.1	5.2	4.8	15.7	16.7	16.4	6.6	6.8	7.3	1.4	0.9	9.4	23.9
Goldcorp	GG.N	13.33	Hold	16	20%	11,410	6.8	5.1	4.8	29.7	17.7	17.3	(1.3)	5.9	7.6	0.8	0.6	2.7	16.2
Kinross Gold Corporation	KGC.N	3.59	Hold	4	11%	4,477	4.1	3.8	3.2	22.0	18.0	14.7	(3.0)	0.7	6.4	0.9		4.4	15.3
Newmont Mining	NEM.N	38.22	Hold	40	5%	20,371	9.0	7.5	7.3	29.7	22.7	21.8	2.8	6.3	6.7	1.9	1.5	6.4	3.0
Pan American Silver	PAAS.OQ	15.91	Buy	19	19%	2,452	7.6	6.6	5.7	23.0	20.8	16.6	3.8	5.8	7.0	1.5	0.9	6.8	(14.3
Franco-Nevada	FNV.N	69.32	Hold	77	11%	12,875	24.2	21.4	19.7	62.6	54.2	48.4	(1.1)	3.1	4.3	2.7	1.4	4.4	(4.1
Wheaton Precious Metals	WPM.N	19.88	Buy	27	36%	8,789	16.4	16.2	15.5	36.5	35.2	27.9	2.8	(0.3)	2.0	1.7	0.9	4.6	9.3
Precious Metals						74,575	11.1	9.9	9.3	32.8	27.3	24.8	1.9	4.7	6.0	1.7	1.0	5.7	8.7

Source: Company information, Deutsche Bank



Barrick - Earnings revision summary

We have revised our model post-4Q17 results and Barrick's recent Investor Day. Our adjusted EBITDA estimate for 2018 has declined 4% to \$3.7bn, mainly due to a lower gold production assumption of 4.8moz (-7%). Previous guidance was at 4.8-5.3moz, and we assumed 5.2moz. Guidance is now 4.5-5.0moz, mainly due to the 50% sale of Veladero to Shandong Gold, lower grades expected at Barrick Nevada and planned maintenance at Pueblo Viejo, all of which negatively impacted production expectations. Copper production guidance has been slightly increased to 385-450mlbs, and our model reflects this change as we now assume 422mlbs (vs. 411mlbs previously, +3%). Our 2019E adjusted EBITDA is \$3.4bn (-13%) mainly driven by decreased gold production assumptions. DB 2018E and 2019E EBITDA are in line and 3% below Factset consensus of \$3.73bn and \$3.55bn, respectively.

All-in Sustaining Cost (AISC) guidance was recently increased by ~\$50/oz to \$765-815/oz in 2018 (previously \$710-770/oz). We have revised our model and now expect AISC of \$780/oz (vs. \$714/oz). Capex guidance has been increased to \$1.4-1.6bn (previously \$1.35-1.65bn) and above the 2017 level of ~\$1.35bn.

Our 2018E and 2019E adjusted diluted EPS declined by 7% and 23% to 78c and 73c, respectively. Our revised EPS forecasts are 2% above and 1% below Factset consensus of \$0.76 and \$0.74, respectively.

We have revised our 12-month PT to \$15/sh (from 17.5/sh), based on $\sim 1.0x$ \$14.91/sh NPV (previously 17.20/sh) due to lower production and higher cost assumptions. Key risks include the gold price vs forecasts, raw material costs and geopolitical risks.

Previous

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(\$m)	2017A	2018E	2019E	2017E	2018E	2019E	2017E	2018E	2019E
Revenues	8,374	7,768	7,444	8,243	7,970	7,916	2%	-3%	-6%
Adj. EBITDA	4,119	3,724	3,445	3,955	3,892	3,945	4%	-4%	-13%
Adj. EBITDA margin	49.2%	47.9%	46.3%	48.0%	48.8%	49.8%	121bps	-89bps	-357bps
Gross profit	2,472	2,163	1,944	3,042	2,944	3,033	-19%	-27%	-36%
Selling, general & admin	248	274	289	261	244	254	-5%	12%	14%
R&D expenses	354	286	290	356	286	290	-1%	0%	0%
Operating profit	2,472	2,163	1,944	2,425	2,414	2,489	2%	-10%	-22%
Operating margin	30%	28%	26%	29%	30%	31%	10bps	-244bps	-534bps
Net financial gain (exp)	(691)	(517)	(413)	(678)	(309)	(297)	-2%	-67%	-39%
Pre-tax profit	2,747	1,784	1,691	2,102	2,105	2,193	31%	-15%	-23%
Taxes	1,231	749	710	1,212	1,052	1,096	2%	-29%	-35%
Tax rate	45%	42%	42%	58%	50%	50%	-1281bps	-800bps	-800bps
Net income	1,438	905	853	1,757	969	1,108	-18%	-7%	-23%
Adj. Net Income	862	905	853	833	969	1,108	4%	-7%	-23%
Diluted EPS (\$)	1.23	0.78	0.73	1.51	0.83	0.95	-18%	-7%	-23%
Adj. diluted EPS	0.74	0.78	0.73	0.71	0.83	0.95	4%	-7%	-23%
Net debt (cash)	4,189	2,863	1,611	4,274	2,483	632	-2%	15%	155%
Operational Highlights									
Volumes-attributable									
Gold production (000 oz)	5,323	4,823	4,561	5,323	5,167	5,107	0%	-7%	-11%
Gold sales (000 oz)	5,302	4,735	4,464	5,302	5,080	5,011	0%	-7%	-11%
Copper production (m lb)	413	422	421	413	411	411	0%	3%	3%
Copper sales (m lb)	405	420	419	405	408	408	0%	3%	3%
Average prices									
Gold price (\$/oz)	1,258	1,283	1,266	1,258	1,283	1,266	0%	0%	0%
Copper price (\$/lb)	2.80	3.26	3.40	2.9	3.3	3.4	-3%	0%	0%
Cash costs									
Gold cash costs (\$/oz)	526	562	581	527	570	554	0%	-1%	5%
Copper cash costs (\$/lb)	1.62	1.73	1.76	1.56	1.41	1.41	4%	23%	25%

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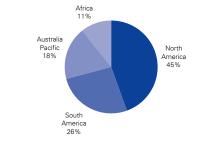


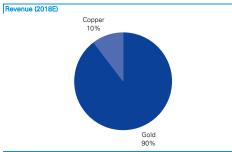
Commodities (Nominal)	2015A	2016E	2017A	2018E	2019E	2020E	2021E	2022E	2023
Gold (\$/oz)	1,161	1,249	1,258	1,283	1,266	1,305	1,344	1,383	1,421
Copper (\$/lb)	2.50	2.21	2.80	3.26	3.40	3.50	3.43	3.35	3.36
Silver (\$/oz)	15.72	17.10	17.06	16.95	17.70	19.50	20.50	21.90	21.87
Cashflow metrics									
Operating Cash Flow (\$m)	2,794	2,640	2,065	2,895	2,765	2,752	2,743	2,739	2,853
Capex (\$m)	(1,713)	(1,203)	(1,353)	(1,444)	(1,388)	(1,312)	(1,308)	(1,308)	(1,308
Acquisitions, Divestments, other (\$ FCF - pre interest (\$m)	1,980 3.061	723 2,160	1,018 1.730	1,451	1,378	1.440	1.435	1.431	1.545
Interest (\$m)	(726)	(775)	(691)	(517)	(413)	(404)	(395)	(386)	(377
FCF (\$m)	2,335	1,385	1,039	934	965	1,035	1,040	1,045	1,169
FCF Yield (%)	21%	7%	5%	7%	7%	7%	7%	7%	8%
EV/EBITDA (x)	7.1	6.9	6.5	5.1	5.2	4.8	4.5	4.1	3.
EV/EBITDA attributable (x)	7.0	6.6	6.4	4.7	4.8	4.3	3.9	3.4	2.9
Balance sheet Net Debt (\$m)	7.513	5.542	4.189	2.863	1.611	297	(1,013)	(2,318)	(3.738
Leverage (D/D+E), %	51%	43%	37%	31%	30%	28%	27%	26%	25%
ND/EBITDA	2.4	1.4	1.1	0.8	0.5	0.1	(0.3)	(0.7)	(1.0
Production volumes				4.5-5.0	4.2-4.6	4.2-4.6	4.2-4.6	4.2-4.6	
Gold - consolidated (m oz)	6.1	5.5	5.3	4.8	4.2-4.6	4.2-4.6	4.2-4.6	4.2-4.6	4.3
North America	2.6	2.8	2.8	2.7	2.5	2.4	2.4	2.4	2.
South America	1.7	1.7	1.5	1.2	1.1	1.1	1.1	1.1	1.1
Australia Pacific	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.9
Africa	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
Adjustments / Other	0.6	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Copper (m lbs)	511	415	413	422 385-450	421	421	421	421	42
Gold - consolidated (m oz)	6.1	5.5	5.3	4.8	4.6	4.5	4.4	4.3	4.
Barrick Nevada (100%)	2.1	2.3	2.3	2.2	2.0	2.0	2.0	1.8	1.
Pueblo Viejo (60%)*	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.9
Lagunas Norte (100%) Veladero (50%)*	0.6 0.6	0.4	0.4 0.4	0.3	0.2	0.2	0.2	0.2	0.:
Acacia (63.9%)*	0.6	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
Kalgoorlie (50%)*	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Others	1.5	0.6	0.7	0.7	0.7	0.7	0.6	0.7	0.8
Revenues (\$m)									
Revenue by product									
Gold	7,813	7,908	7,631	6,965	6,596	6,585	6,633	6,573	6,71
Copper	1,002	466	608	803	848	872	864	845	84
Other	214	184	135	-	-	-	-	-	
Total	9,029	8,558	8,374	7,768	7,444	7,456	7,497	7,418	7,55
Revenue by segment									
North America South America	2,845	3,598	3,539	3,456	3,191	3,097	3,099	3,082	3,14
Australia Pacific	3,613 2,045	2,560 2,261	2,522 1,922	2,049 1,433	1,954 1,536	1,951 1,623	1,997 1,638	1,964 1,641	1,99
Africa	860	778	773	830	763	786	764	731	75:
Eliminations/adjustments	-334	-639	-382	-	703	-	704	731	75.
Total	9,029	8,558	8,374	7,768	7,444	7,456	7,497	7,418	7,55
Net cash costs				540-575					
Gold cash costs (\$/oz)	596	546	526	562	581	594	607	601	602
Copper cash costs (\$/lbs)	1.74	1.49	1.62	1.73 1.55-1.75	1.76	1.76	1.76	1.76	1.70
AISC				765-815	750-875	750-875	750-875	750-875	
Gold AISC (\$/oz)	832	731	753	780	788	779	779	779	77
Copper AISC (\$/lbs)	2.12	2.04	2.33	2.38	2.41	2.41	2.41	2.41	2.41
EBITDA Consolidated (\$m)	3,187 2,514	4,021 3,527	3,971 3,503	3,724 3,340	3,445 3,064	3,462	3,464 3,110	3,477 3,119	3,601 3,221
EBITDA Attributable (\$m)	35.3%	3,527 47.0%	47.4%	3,340 47.9%	46.3%	3,103 46.4%	46.2%	3,119 46.9%	47.6%
EBITDA margin (%)	00.070								
• • •		1 202	1 252	1 444	1 200	1 212	1 200	1 200	1 200
EBITDA margin (%) Consolidated capex (\$m) Sustaining	1,713	1,203	1,353	1,444 1.040	1,388 1.024	1,312 944	1,308 940	1,308 940	1,308
• • •			1,353 1,106 300	1,444 1,040 404	1,388 1,024 364				

South America	1.7	1.7	1.5	1.2	1.1	1.1	1.1	1.1	1.1
Australia Pacific	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5
Africa	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
Adjustments / Other	0.6	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Copper (m lbs)	511	415	413	422	421	421	421	421	421
				385-450					
Gold - consolidated (m oz)	6.1	5.5	5.3	4.8	4.6	4.5	4.4	4.3	4.3
Barrick Nevada (100%)	2.1	2.3	2.3	2.2	2.0	2.0	2.0	1.8	1.8
Pueblo Viejo (60%)*	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5
Lagunas Norte (100%)	0.6	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2
Veladero (50%)*	0.6	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
Acacia (63.9%)*	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
Kalgoorlie (50%)*	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Others	1.5	0.6	0.7	0.7	0.7	0.7	0.6	0.7	0.8
Revenues (\$m)									
Revenue by product									
Gold	7,813	7,908	7,631	6,965	6,596			6,573	6,716
Copper	1,002	466	608	803	848	872	864	845	841
Other	214	184	135	-	-	-	-	-	-
Total	9,029	8,558	8,374	7,768	7,444	7,456	7,497	7,418	7,557
Revenue by segment									
North America	2,845	3,598	3,539	3,456	3,191	3,097	3,099	3,082	3,148
South America	3,613	2,560	2,522	2,049	1,954	1,951	1,997	1,964	1,998
Australia Pacific	2,045	2,261	1,922	1,433	1,536	1,623	1,638	1,641	1,660
Africa	860	778	773	830	763	786	764	731	752
Eliminations/adjustments	-334	-639	-382	-	-	-	-	-	-
Total	9,029	8,558	8,374	7,768	7,444	7,456	7,497	7,418	7,557
Net cash costs				540-575					
Gold cash costs (\$/oz)	596	546	526	562	581	594		601	602
Copper cash costs (\$/lbs)	1.74	1.49	1.62	1.73	1.76	1.76	1.76	1.76	1.7€
				1.55-1.75					
AISC				765-815	750-875			750-875	
Gold AISC (\$/oz)	832	731	753	780	788			779	776
Copper AISC (\$/lbs)	2.12	2.04	2.33	2.38	2.41	2.41	2.41	2.41	2.41
EBITDA Consolidated (\$m)	3,187	4,021	3,971 3,503	3,724	3,445	3,462	3,464	3,477	3,601
EBITDA Attributable (\$m)	2,514	3,527		3,340	3,064	3,103	3,110	3,119	3,221
EBITDA margin (%)	35.3%	47.0%	47.4%	47.9%	46.3%	46.4%	46.2%	46.9%	47.6%
Consolidated capex (\$m)	1,713	1,203	1,353	1,444	1,388	1,312	1,308	1,308	1,308
Sustaining	1,359	1,005	1,106	1,040	1,024	944	940	940	940
Growth	354	198	300	404	364	368	368	368	368
				1,400-,1600			1,100-1,500 capital ~\$400m		

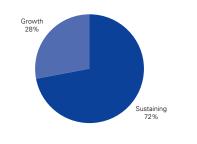
WACC (nominal)	6.0%	S	hares	1,166M
TOTAL		17,385	14.91	
Net Debt		(4,189)	(3.59)	
Corporate		(2,013)	(1.73)	
Total Assets		23,587	20.23	
Other Assets		5,000	4.29	
Copper		3,997	3.43	
Other Gold Mines		2,396	2.06	
Kalgoorlie (50%)*		1,426	1.22	
Acacia (63.9%)*		442	0.38	
Veladero (50%)*		510	0.44	
Lagunas Norte (100%)		553	0.47	
Pueblo Viejo (60%)*		2,619	2.25	
Barrick Nevada (100%)		6,643	5.70	
NAV (CY18)		\$M	\$/sh	

Revenue by region (2018E)









Source:Company data and Deutsche Bank estimates



Pan American Silver - Earnings revision summary

Pan American Silver reported 4Q17 adjusted diluted EPS of 13c, versus DBe and Factset consensus of 18c. Headline diluted EPS was 32c, which mainly included a \$62m pre-tax impairment reversal at Morococha, a \$5m pre-tax inventory adjustment, a \$13m pre-tax gain on FX and a \$6m tax adjustment.

2018E guidance was reaffirmed at 25-26.5moz of silver (DBe 26.3moz) and 175-185koz of gold (182koz). 2019 and 2020 silver production is anticipated to reach 27.7-29.7m (DBe 29.3moz) and 30.5-33moz (32.7moz), respectively, mainly due to the addition of the Joaquin Project and the expansion at Manantial Espejo. 2018E cash costs expected at \$3.60-4.60/oz (DBe \$4.05/oz); 2019E and 2020E costs guidance of \$4.50-6.00/oz (DBe \$4.41/oz)and \$4.75-6.75/oz (DBe \$4.96/oz), respectively. We have adjusted cash costs at the mine level and our 2018E and 2019E EBITDA are now \$292m and \$324m, 9% and 7% below Factset consensus of \$321m and \$348m, respectively. Our 2018E adjusted diluted EPS is 69c, while our 2019E EPS is 77c, versus Factset consensus of 78c and 82c, respectively.

While we maintain Buy, we have revised our 12-month PT to \$19/sh (from \$20/sh), based on ~1.0x \$18.71/sh NPV (previously \$19.9/sh), this mainly relates to higher cost forecasts than previous estimates. A change in the Mexican peso could result in cost movements. Key risks include gold and silver prices, raw material costs and geopolitical risks.

		Figure 1	0: I	Pan A	American	Silver	earnings	revision	summar
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J		Current		J	Previous			Change	
(\$m)	2017A	2018E	2019E	2017E	2018E	2019E	2017E	2018E	2019E
Revenues	817	881	910	799	868	897	2%	2%	1%
Cost of goods sold	648	685	699	623	652	635	4%	5%	10%
Depreciation & others	123	133	152	119	149	160	3%	-11%	-5%
Cash production cost	525	553	547	503	503	475	4%	10%	15%
EBITDA	250	292	324	253	319	371	-1%	-8%	-13%
EBITDA margin (%)	30.7%	33.2%	35.6%	31.7%	36.7%	41.4%	-102bps	-356bps	-571bps
Gross profit	169	196	211	177	216	261	-4%	-9%	-19%
Selling, general & admin	21	23	27	24	33	39	-9%	-31%	-31%
R&D expenses	20	14	12	19	14	12	4%	0%	0%
Operating profit	128	160	173	134	169	211	-5%	-6%	-18%
Operating margin	0	0	0	16.8%	19.5%	23.5%	-116bps	-139bps	-451bps
Net financial gain (exp)	(7)	(0)	0	(4)	1	2	61%	-132%	-85%
Pre-tax profit	121	159	173	135	171	213	-10%	-7%	-19%
Taxes	59	50	52	33	51	64	79%	-3%	-19%
Tax rate	49%	31%	30%	24.5%	30.0%	30.0%	nm	111bps	0bps
Net income	123	110	121	102	119	149	21%	-8%	-19%
Net income	122	106	118	100	116	146	23%	-9%	-19%
Normalized net income	74	106	118	82	116	146	-10%	-9%	-19%
Shares outstanding (m), b	153	153	153	153	153	153	0%	0%	0%
Basic EPS	1	1	1	0.65	0.76	0.95	23%	-9%	-19%
Normalized basic EPS	0	1	1	0.53	0.76	0.95	-10%	-9%	-19%
Shares outstanding (m), d	153	153	153	154	154	154	0%	0%	0%
Diluted EPS	0.80	0.69	0.77	0.65	0.75	0.95	23%	-8%	-19%
Adjusted diluted EPS	0.48	0.69	0.77	0.53	0.75	0.95	-9%	-8%	-19%
Net debt (cash) (cash)	(159)	(231)	(311)	(174)	(278)	(408)	-9%	-17%	-24%
Operational Highlights									
Volumes									
Silver production (000' oz)	24,980	26,323	29,312	24,996	26,087	28,642	0%	1%	2%
Silver sales (000' oz)	24,120	24,696	27,551	23,509	23,903	26,245	3%	3%	5%
Gold sales (000' oz)	161	182	197	162	177	200	-1%	3%	-2%
Average prices									
Silver price (\$/oz)	17.05	16.95	17.70	17.05	16.95	17.70	0%	0%	0%
Gold price (\$/oz)	1,257	1,283	1,266	1,257	1,283	1,266	0%	0%	0%
Cash costs									
Silver net cash cost (\$/oz)	4.55	4.05	4.41	4.55	2.07	1.70	0%	96%	159%

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Commodities (Nominal)	2014A	2015A	2016A	2017A	2018E	2019E	2020E	2021E	2022E	NPV (CY18)		
Silver (\$/oz)	19.10	15.72	17.10	17.06	16.95	17.70	19.50	20.50	21.90		\$M	\$/sh
iold (\$/oz)	1,267	1,161	1,249	1,258	1,283	1,266	1,305	1,344	1,383	La Colorada (100%)	855	5.62
Zinc (\$/lb)	0.98	0.88	0.95	1.31	1.41	1.23	1.18	1.15	1.15	Dolores (100%)	567	3.73
_ead (\$/oz)	0.96	0.81	0.85	1.05	0.89	0.82	0.82	0.82	0.81	Alamo Dorado (100%)	47	0.31
Copper (\$/oz)	3.11	2.50	2.21	2.80	3.26	3.40	3.50	3.43	3.35	Huaron (100%)	534	3.51
										Morococha (92.3%)*	182	1.20
Cashflow metrics										San Vicente (95%)*	122	0.80
Operating Cash Flow (\$m)	124	89	215	225	242	273	284	319	323	Manantial Espejo (100%)	(16)	(0.11)
Capex (\$m)	(132)	(147)	(203)	(137)	(149)	(131)	(115)	(73)	(51)	Maverix Metals Inc.	52	0.34
Acquisitions, Divestments, other (\$m)	(12)	91	73	(33)	-	-	-	-	-	Other (incl. Navidad/Joaquin)	679	4.46
CF - pre interest (\$m)	(19)	33	85	55	93	142	169	245	272	Minority interest	(20)	(0.13)
nterest (\$m)	(6)	(6)	(8)	(7)	(0)	0	1	3	5	Total Assets	3,001	19.7
FCF (\$m)	(25)	27	77	48	93	142	171	248	276	Corporate	(315)	(2.07)
FCF Yield (%)	-1%	2%	4%	2%	4%	6%	7%	10%	11%	Net Cash	159	1.04
EV/EBITDA (x)	12.4	12.2	7.3	9.9	7.6	6.6	5.7	4.6	4.0	TOTAL	2,844	18.71
EV/EBITDA attributable (x)	12.6	12.3	7.4	10.1	7.7	6.7	5.7	4.6	4.0			
Balance sheet										WACC (nominal)	7.5%	
Net Debt (\$m)	(278)	(171)	(174)	(159)	(231)	(311)	(419)	(603)	(814)			
Leverage (D/D+E), %	3%	4%	3%	4%	4%	4%	4%	4%	3%	Long term prices		DBe
ND/EBITDA	(2.2)	(1.9)	(0.6)	(0.6)	(0.8)	(1.0)	(1.2)	(1.5)	(2.0)	Silver (\$/oz)		20.00
										Gold (\$/oz)		1,300
Production volumes										Zinc (\$/lb)		1.05
Silver guidance (moz)					25-26.5	27.7-29.7	30.5-33					
Silver (m oz)	26.1	26.1	25.4	25.0	26.3	29.3	32.7	32.7	26.8	Transaction of the same		
Gold guidance (koz)					175-185	183-193	165-179			Net Asset Value (2018E)		
Gold (k oz)	162	184	184	159	182	197	180	184	159	Other (incl		
Zinc (k tons)	44	41	52	55	60	57	61	60	59	Navidad/Jos	q	
Lead (k tons)	15	14	20	22	22	24	24	25	23	uin) 22%		La Colorada (100%)
Copper (k tons)	9	15	15	13	12	11	12	10	10	22 70		28%
D					004		0=0			Maverix		20%
Revenues (\$m) Silver	752 471	675 391	775 419	817 427	881 419	910 488	950 596	975 619	937 546	Metals Inc.		
Sold	211	232	223	203	234	250	234	247	219	Mana@@al Espeio		
Zinc Lead	85	67	107	153	187	154	157	153	149	SJA V/Kente (95%)*		
	30	24	37	50	42	43	43	44	41			
Copper	54	71	68	79	87	85	92	79	76	4% Morococha	- A	
Others	-99	-110	-79	-95	-88	-109	-173	-168	-95	(92.3%)*		AlamoDolores
Net cash costs per unit (\$/oz)										Huaron		Doradd(100%)
a Colorada	8 14	7.40	6.15	2.09	1.58	3.37	3.67	3.89	4.42	(100%)		(100%) 19%
Dolores	12.94	9.28	-1.08	-0.77	-0.41	-2.90	-2.59	-5.25	-5.13	17%		1%
Alamo Dorado	12.89	11.40	16.02	16.06	0.00	0.00	0.00	0.00	0.00	Revenue (2018E)		
Huaron	11.56	10.91	5.79	1.35	1.17	4.26	3.83	4.01	4.72	Tievende (2010L)		
Vorococha	12.90	13.02	4.21	-5.23	-4.36	-0.92	-0.57	5.82	5.53		Copper 9%	
San Vicente	13.21	11.57	11.95	12.69	10.56	12.28	13.08	13.54	14.18	Lead 5%	0.10	
Manantial Espejo	10.12	7.33	4.28	19.16	18.43	19.10	19.94	0.00	0.00	370		
Total	11.44	9.70	6.29	4.81	4.05	4.41	4.96	3.39	4.01			
Cash cost guidance (\$/oz)		3.70	0.20		\$3.60-4.60		\$4.75-6.75	0.00	4.01			Silver
3 (4,)										Zinc		43%
BITDA (\$m)	125	89	278	251	292	324	357	405	416	19%		
a Colorada	48	40	73	113	115	117	129	143	148			
Dolores	-2	40	86	78	84	128	129	158	158			
Alamo Dorado	22	9	5	0	0	0	0	0	0		- N	
Huaron	17	8	43	55	50	45	53	55	57			
Vlorococha	9	-2	37	57	50	47	51	45	49	Gold		
San Vicente	25	18	24	21	31	25	31	36	38	24%		
Manantial Espejo	32	4	61	-17	-5	-4	-1	0	0	Capex (2018E)		
Other	-25	-27	-51	-56	-31	-34	-34	-32	-34			
EBITDA margins (%)	16.6%	13.2%	35.9%	30.7%	33.2%	35.6%	37.6%	41.6%	44.4%	C		
.a Colorada Dolores	48.5% -1.5%	44.8% 23.8%	58.6% 44.7%	65.3% 39.2%	59.6% 30.8%	58.6% 39.7%	61.0% 41.3%	62.2% 45.1%	63.4 % 46.2 %	Growth 28%		
Joiores Alamo Dorado	-1.5% 24.6%	23.8% 13.3%	10.0%	-1.5%	0.0%	0.0%	0.0%	45.1% 0.0%	0.0%	20 %		
Huaron	17.5%	10.5%	38.7%	-1.5% 41.7%	37.0%	35.6%	37.3%	39.4%	39.5%			
vorococha	11.1%	-3.8%	38.7%	45.8%	41.8%	41.3%	42.2%	39.4%	43.2%			
San Vicente	32.2%	27.9%	30.5%	29.8%	37.4%	31.4%	33.5%	35.4%	36.6%			
Manantial Espejo	20.4%	2.6%	42.8%	-16.0%	-5.5%	-5.2%	-1.6%	0.0%	0.0%			
BITDA attributable (\$m)	123	88	276	245	287	319	352	400	410			
Consolidated capex (\$m)	132	147	203	141	149	131	115	73	51			6
Capex sustaining guidance (US\$m)					\$100-105	\$100-110	\$75-90					Sustaining 72%
Sustaining	99	74	89	86	108	103	79	63	50			
Growth	33	73	113	55	41	28	36	10	10			
Exploration	13	12	11	20	14	12	12	12	12			

* NPVs for Morococha and San Vicente shown on 100% basis, and minority interest substracted from total NPVs

Source: Company data and Deutsche Bank estimates



Newmont - Earnings revision summary

Newmont reported 4Q17 adjusted diluted EPS of 40c, versus DBe of 45c and Factset consensus of 37c. Headline diluted EPS loss was (99c), related to the US corporate tax reform, as it included a \$701m (\$1.31/sh pre-tax) adjustment. Other major adjustments included a \$61m (\$0.11/sh) pre-tax reclamation charge for closure sites and a \$11m (\$0.01/sh pre-tax) impairment. Newmont reiterated 2018 production guidance of 4.9-5.4moz (DBe 5.2moz) and cash costs at \$700-750/oz (DBe \$745/oz).

We have revised our model post-4Q17 results. Our adjusted EBITDA estimates for 2018 and 2019 have declined 5% to \$2.4bn and 2% to \$2.7bn, respectively, on slightly higher cash costs. Our 2018 cash cost forecast is now \$745/oz (vs \$734/oz prior) and 2019E cost is at \$685/oz vs \$675/oz. Our EBITDA estimates are 8% and 2% below Factset consensus of \$2.6bn and \$2.8bn, respectively. We have adjusted our assumption for reclamation and exploration expenses, and as a result, our 2018 and 2019 adjusted diluted EPS estimates decline by 13% and 3%, respectively, to \$1.29/sh and \$1.68/sh. Our revised EPS forecasts are 10% below and 5% above Factset consensus of \$1.43 and \$1.60, respectively.

Newmont indicated 2018 earnings will be weighted towards the second half of the year, as high stripping, planned maintenance and mine sequencing are expected during 1H18. We have factored this into our model and we expected an average of ~1,265koz in the first half of the year, followed by ~1,348koz in the second half.

Our unchanged 12-month \$40/sh PT (Hold) is based on \sim 1.0x \$39.6/sh NPV. Our NPV is largely unchanged. Key risks include up-/down gold prices and operating costs.

				summary

		Current		F	Previous			Change	
(\$m)	2017A	2018E	2019E	2017E	2018E	2019E	2017E	2018E	2019E
Revenues	7,348	7,498	7,495	7,380	7,536	7,457	0%	0%	1%
Cost of goods sold	5,287	5,577	5,302	5,331	5,543	5,233	-1%	1%	1%
Depreciation & others	1,249	1,234	1,248	1,246	1,240	1,247	0%	0%	0%
Cash production cost	4,038	4,343	4,054	4,086	4,304	3,986	-1%	1%	2%
EBITDA	2,615	2,395	2,716	2,644	2,532	2,766	-1%	-5%	-2%
EBITDA margin(%)	35.6%	31.9%	36.2%	35.8%	33.6%	37.1%	-24bps	-166bps	-86bps
Gross profit	2,061	1,921	2,193	2,048	1,993	2,224	1%	-4%	-1%
Selling, general & admin	237	220	223	226	220	223	5%	0%	0%
Others (R&D, recl. & expl.)	545	540	502	489	480	482	11%	13%	4%
Operating profit	1,279	1,161	1,468	1,333	1,293	1,519	-4%	-10%	-3%
Operating margin	17.4%	15.5%	19.6%	18.1%	17.2%	20.4%	-66bps	-167bps	-78bps
Net financial gain (exp)	(241)	(163)	(154)	(219)	(161)	(150)	10%	1%	2%
Pre-tax profit	1,076	1,025	1,337	1,133	1,158	1,392	-5%	-12%	-4%
Taxes	1,125	287	374	442	324	390	154%	-12%	-4%
Tax rate	104.6%	28.0%	28.0%	39.0%	28.0%	28.0%	6552bps	0bps	0bps
Net income	(87)	738	963	647	834	1,002	-113%	-12%	-4%
Adj. net income	780	691	903	805	792	930	-3%	-13%	-3%
Net income	(98)	691	903	670	792	930	-115%	-13%	-3%
Diluted EPS (\$)	(0.18)	1.29	1.68	1.26	1.48	1.73	-114%	-13%	-3%
Adj. diluted EPS (\$)	1.46	1.29	1.68	1.51	1.48	1.73	-3%	-13%	-3%
Net debt (cash)	806	365	(784)	815	145	(1,046)	-1%	151%	25%
Operational Highlights									
Volumes									
Gold sales (000 oz)	5,215	5,190	5,279	5,243	5,218	5,249	-1%	-1%	1%
Copper sales (m lb)	107	112	106	108	113	106	-1%	-1%	0%
Average prices									
Gold price (\$/oz)	1,254	1,283	1,266	1,258	1,283	1,266	0%	0%	0%
Copper price (\$/lb)	2.85	3.26	3.40	2.80	3.26	3.40	2%	0%	0%
Cash costs									
Gold cash cost (\$/oz)	691	745	685	701	734	675	-1%	2%	2%
Copper cash cost (\$/lb)	1.47	1.78	1.85	1.45	1.77	1.94	1%	1%	-5%

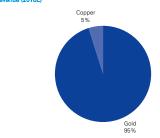
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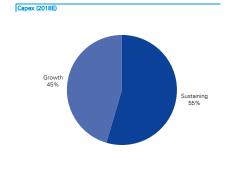


2013A	2014A	2015A	2016A	2017A	2018E	2019E	2020E	2021E	2022E	2023E
1,413 3.34	1,267 3.11	1,161 2.50	1,249 2.21	1,258 2.80	1,283 3.26	1,266 3.40	1,305 3.50	1,344 3.43	1,383 3.35	1,421 3.36
1,585	1,451	2,157	1,592	2,344	1,972	2,211	2,156	2,300	2,396	2,551
(1,900)	(1,110)	(1,401)	(1,161)	(866)	(1,232)	(764)	(656)	(656)	(656)	(656)
					-		-	-		-
										1,895 (90)
	588									1,805
0%	5%	-1%	6%	6%	3%	6%	7%	7%	8%	9%
-10.3	9.4	6.5	7.0	7.8	9.0	7.5	7.3	6.3	5.6	4.7
-8.2	9.4	6.2	7.1	8.1	9.5	7.9	7.5	6.4	5.6	4.7
E 10E	4 242	2 454	1 050	one	265	(704)	(1 006)	(2 221)	(4 772)	(6.369)
-,	.,=	-,					(.,,,			21%
(2.3)	2.2	1.3	0.6	0.3	0.2	(0.3)	(0.7)	(1.2)	(1.6)	(2.0)
F 004	4.045		4 000							4.040
										4,919 1,944
		.,					-,			513
										1,548
699	915	805	819	822	860	1,154	897	914	914	914
719	556	571	0	1	0	0	0	0	0	0
190	271	480	208	109	113	106	107	107	107	107
95	136	240	104	55						54
5.064	4.845	5.036	4.898	5.266						4,919
1,025	906	886	944	972	982	845	802	802	768	733
233	211	205	209	239	213	196	196	196	196	196
509	389	471	453	375	363	343	343	343	343	343
0		0	22	174	160	160		190		190
										482
										154 359
	-			004						701
										474
										373
570	442	332	349	349	454	679	422	439	439	439
129	473	473	470	473	406	475	475	475	475	475
719	556	571	0	1	0	0	0	0	0	0
6 775	6 216	E 660	6 461	7.042	7 125	7 100	6 026	7.042	7 107	7,350
										360
										0
8,414	7,292	7,729	6,711	7,292	7,498	7,495	7,302	7,409	7,557	7,711
										2,819
										1,107 2,485
										1,299
	669		0	0	0	0	0	0	0	1,255
8,414	7,292	7,729	6,711	7,353	7,498	7,495	7,302	7,409	7,557	7,711
696	772	755	717	720	801	759	735	756	779	751
776	857	716	868	853	731	649	719	782	782	771
1 011	823	682	635	671	711	692	709	709	709	709
.,		526	681	682 723	694 745	584 685	686 717	673 731	673 740	712 734
520	468 726	898	702							
.,	736	686	703	,	700-750	620-720	650-750	650-750	650-750	/34
520		686 1.83	703 1.97	1.48	700-750 1.78	1.85	650-750 1.83	650-760 1.83	650-750 1.83	1.83
520 768 2.56	736 2.41	1.83	1.97	1.48	700-750 1.78 965-1,025	1.85 870-970	650-750 1.83 870-970	650-760 1.83 870-970	650-750 1.83 870-970	1.83
520 768 2.56	736 2.41 985	1.83	1.97 847	1.48	700-760 1.78 965-1,025 970	1.85 870-970 901	870-970 868	850-760 1.83 870-970 888	650-750 1.83 870-970 914	1.83
520 768 2.56 867 1,027	985 1,014	1.83	1.97 847 1,044	1.48 872 887	700-760 1.78 985-1,025 970 910	1.85 870-970 901 841	870-970 868 914	850-750 1.83 870-970 888 998	650-750 1.83 870-970 914 998	1.83 888 987
520 768 2.56	736 2.41 985	1.83 937 889	1.97 847	1.48	700-760 1.78 965-1,025 970	1.85 870-970 901	870-970 868	850-760 1.83 870-970 888	650-750 1.83 870-970 914	1.83
520 768 2.56 867 1,027 1,175 819 966	985 1,014 984 629 911	1.83 937 889 804 705 846	1.97 847 1,044 763 822 837	1.48 872 887 789 795 918	700-760 1.78 965-1,025 970 910 847 848 979	1.85 870-970 901 841 830 709 921	860-750 1.83 870-970 868 914 843 811 928	850-760 1.83 870-970 888 998 843 796 935	650-750 1.83 870-970 914 998 843 796 935	1.83 888 987 843 834 930
520 768 2.56 867 1,027 1,175 819 966 3.13	985 1,014 984 629 911 2.99	1.83 937 889 804 705 846 2.17	1.97 847 1,044 763 822 837 2.29	1.48 872 887 789 795 918 1.80	700-760 1.78 965-1,025 970 910 847 848 979 2.10	1.85 870-970 901 841 830 709 921 2.15	850-750 1.83 870-970 868 914 843 811 928 2.13	850-760 1.83 870-970 888 998 843 796 935 2.13	850-750 1.83 870-970 914 998 843 796 935 2.13	1.83 888 987 843 834 930 2.13
520 768 2.56 867 1,027 1,175 819 966 3.13 (2,269)	985 1,014 984 629 911 2.99	1.83 937 889 804 705 846 2.17 2,582	1.97 847 1,044 763 822 837 2.29 2,877	1.48 872 887 789 795 918 1.80 2,615	700-760 1.78 965-1,025 970 910 847 848 979 2.10	1.85 870-970 901 841 830 709 921 2.15 2,716	868 914 843 811 928 2.13 2,652	860-760 1.83 870-970 888 998 843 796 935 2.13	850-750 1.83 870-970 914 998 843 796 935 2.13	1.83 888 987 843 834 930 2.13 3,166
520 768 2.56 867 1,027 1,175 819 966 3.13 (2,269) -27.0%	736 2.41 985 1,014 984 629 911 2.99 1,939 26.6%	1.83 937 889 804 705 846 2.17 2,582 33.4%	1.97 847 1,044 763 822 837 2.29 2,877 42.9%	1.48 872 887 789 795 918 1.80 2,615 35.9%	700-760 1.78 965-1,025 970 910 847 848 979 2.10	1.85 870-970 901 841 830 709 921 2.15 2,716 36.2%	868 914 843 811 928 2.13 2,652 36.3%	860-760 1.83 870-970 888 998 843 796 935 2.13 2,845 38.4%	870-970 914 998 843 796 935 2.13 2,965 39.2%	1.83 888 987 843 834 930 2.13 3,166 41.1%
520 768 2.56 867 1,027 1,175 819 966 3.13 (2,269)	985 1,014 984 629 911 2.99	1.83 937 889 804 705 846 2.17 2,582	1.97 847 1,044 763 822 837 2.29 2,877	1.48 872 887 789 795 918 1.80 2,615	700-760 1.78 966-1,026 970 910 847 848 979 2.10 2,395 31.9%	1.85 870-970 901 841 830 709 921 2.15 2,716	868 914 843 811 928 2.13 2,652	860-760 1.83 870-970 888 998 843 796 935 2.13	850-750 1.83 870-970 914 998 843 796 935 2.13	1.83 888 987 843 834 930 2.13 3,166
520 768 2.56 867 1,027 1,175 819 966 3.13 (2,269) -27.0% (2,595)	736 2.41 985 1,014 984 629 911 2.99 1,939 26.6% 1,705	1.83 937 889 804 705 846 2.17 2,582 33.4% 2,363	1.97 847 1,044 763 822 837 2.29 2,877 42.9% 2,748	1.48 872 887 789 795 918 1.80 2,615 35.9% 2,450	700-750 1.78 965-1,025 970 910 847 848 979 2.10 2,395 31.9% 2,220	1.85 870-970 901 841 830 709 921 2.15 2,716 36.2% 2,518	868-750 868-914-843-811-928-2.13 2,652-36.3% 2,500	850-760 1.83 870-970 888 998 843 796 935 2.13 2,845 38.4% 2,712	850-750 1.83 870-970 914 998 843 796 935 2.13 2,965 39.2% 2,822	1.83 888 987 843 834 930 2.13 3,166 41.1% 3,008
	1,585 (1,900) (636) 321 18 0% -10.3 -8.2 5,185 27% (2.3) 5,064 1,767 522 1,357 699 719 190 95 5,084 1,025 233 509 0 0 0 702 233 332 570 129 719 6,775 303 8,414 2,555 9,57 1,336 8,414	3.34 3.11 1,585 1,451 (1,900) (1,110) 636 608 321 949 (303) (361) 18 588 0% 5% -10.3 9,4 -8.2 9,4 5,185 4,243 27% 34% (2.3) 2.2 5,084 4,845 1,767 1,506 522 498 1,357 1,370 699 915 719 556 190 271 95 138 5,084 4,845 1,025 906 233 211 509 389 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.34 3.11 2.50 1,585 1,451 2,157 (1,900) (1,110) (1,401) 636 608 (591) 321 949 165 (303) (361) (325) 18 888 (1800) 0% 5% -7% -10.3 9.4 6.5 8.2 9.4 6.2 27% 34% 34% (2.3) 2.2 1.3 5,084 4,845 5,036 1,767 1,506 1,643 522 498 471 1,357 1,370 1,546 699 915 805 571 190 221 480 96 291 480 240 5,084 4,845 5,036 5,036 1,025 906 886 233 221 205 509 389 471 0 0 0	1,585	1,585	1,585	1,585	1,585	1,585	1,585

NAV (CY18)	\$m	\$/sh
Carlin	2,003	3.7
Phoenix	824	1.5
Twin Creeks	2,458	4.6
Long Canyon	608	1.1
CC&V	1,452	2.7
Yanacocha (51.35%)*	209	0.4
Merian (75%)*	2,102	3.9
Boddington	3,267	6.1
Tanami	1,458	2.7
Kalgoorlie (50%)	1,439	2.7
Ahafo	2,158	4.0
Akyem	2,108	3.9
Other Resources	4,000	7.5
Minority interest	(581)	(1.1)
Total Assets	23,505	43.9
Corporate	(1,459)	(2.7)
Net Debt	(806)	(1.5)
TOTAL	21,239	39.6
WACC (nominal)	6.0% Shares (m)	536







Source: Company data and Deutsche Bank estimates

NPVs for Yanacocha and Merian shown as 100%, minority interest substracted before total NPV. NPV for Kalgoorlie shown on an attribuable basis



Goldcorp - Earnings revision summary

Goldcorp reported 4Q17 adjusted diluted EPS of 10c (versus DBe of 16c and Factset consensus of 11c), and a headline diluted EPS of 28c, which mainly included a deferred income tax recovery due to the impact of Argentina tax reform (18c pre-tax), and an impairment reversal at Red Lake, Pueblo Viejo and Porcupine (3c pre-tax).

Our model remains largely unchanged as guidance was restated from the prior announcement on January 16 (Goldcorp Investor Day), and 2018 gold production is expected at 2.5moz (+/-5%), in line with DBe at 2.5moz. Goldcorp reiterated output could be higher in the next three years to reach 3.0moz (+-5%) as part of the company's 20/20/20 strategy (20% production increase, 20% Reserves increase and 20% costs improvement). Our 2019 production estimate is 2.6moz, gradually increasing to 2.9moz in 2020 and 3.0moz by 2021. Gold cash guidance was unchanged at \$450/oz (+-5%) in 2018; DBe at \$438/oz.

Our EBITDA estimate for 2018 is largely unchanged at \$1.6bn and 2019 EBITDA is expected at \$2.2bn, 7% and 6% below Factset consensus of \$1.7bn and \$2.3bn, respectively. Our 2018 and 2019 adjusted diluted EPS estimates are \$0.45/sh and \$0.76/sh, respectively. Our adjusted diluted EPS estimates are 2% below and 1% above Factset consensus, respectively.

Our unchanged 12-month \$16/sh PT (Hold) is based on ~1.0x \$16.3/sh NPV. Our NPV is largely unchanged as we have not made significant adjustments since guidance was reaffirmed. Key up/down risks include gold prices and operating costs.

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ı	Figure 14	: Goldcorp	parnings	revision	gummarv
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		Current			Previous			Change	
(\$m)	2017A	2018E	2019E	2017E	2018E	2019E	2017E	2018E	2019E
Revenues	3,423	3,588	4,361	3,449	3,557	4,361	-1%	1%	0%
Cost of goods sold	2,879	2,736	3,044	2,839	2,721	3,044	1%	1%	0%
Depreciation & others	990	987	1,088	961	973	1,088	3%	1%	0%
Cash production cost	1,889	1,749	1,956	1,878	1,749	1,956	1%	0%	0%
EBITDA	1,479	1,617	2,170	1,407	1,607	2,170	5%	1%	0%
EBITDA margin	43.2%	45.1%	49.8%	40.8%	45.2%	49.8%	242bps	-11bps	0bps
Gross profit	544	853	1,317	610	836	1,317	-11%	2%	0%
Selling, general & admir	158	141	184	152	160	184	4%	-12%	0%
R&D expenses	62	82	51	60	41	51	3%	100%	0%
Operating profit	324	630	1,082	398	635	1,082	-19%	-1%	0%
Operating margin	9.5%	17.6%	24.8%	11.5%	17.8%	24.8%	-208bps	-28bps	0bps
Net financial gain (exp)	(133)	(123)	(122)	(133)	(133)	(131)	0%	-7%	-7%
Pre-tax profit	437	654	1,099	457	576	1,078	-4%	14%	2%
Taxes	(465)	268	451	(101)	166	342	363%	62%	32%
Tax rate	nm	41.0%	41.0%	-22.0%	28.8%	31.8%	nm	1225bps	923bps
Net income	658	386	649	558	410	736	18%	-6%	-12%
Diluted EPS (\$)	0.77	0.45	0.76	0.65	0.48	0.86	18%	-6%	-12%
Adj. diluted EPS	0.81	0.45	0.76	0.57	0.48	0.86	42%	-6%	-12%
Net debt (cash)	2,249	2,347	1,617	2,542	2,390	1,574	-12%	-2%	3%
Operational Highlights									
Volumes									
Gold produced (000 oz)	2,569	2,481	2,606	2,569	2,475	2,616	0%	0%	0%
Silver produced (000 oz)	25,009	29,543	47,720	27,986	29,543	47,720	-11%	0%	0%
Average prices									
Gold realized price (\$/oz	1,258	1,283	1,266	1,264	1,283	1,266	0%	0%	0%
Silver realized price (\$/o:	17.06	16.95	17.70	11.03	16.95	17.70	55%	0%	0%
Cash unit costs									
Gold cash cost (\$/oz)	499	438	474	518	441	474	-4%	-1%	0%
Source: Company data and Deu	utsche Bank	estimates							

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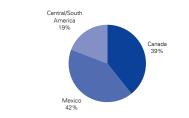


Figure 15: Goldcorp	operati	onal	summ	nary
Commodities (Nominal)	2013A	2014A	2015A	2016

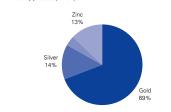
Commodities (Nominal) Gold (\$/oz)	2013A 1,413	2014A 1,267	2015A 1,161	2016A 1,249	2017A 1,258	2018E 1,283	2019E 1,266	2020E 1,305	2021E 1,344	2022E 1,383	2023E 1,421
30id (\$/02) Silver (\$/02)	23.89	19.10	15.72	17.10	17.06	16.95	17.70	19.50	20.50	21.90	21.87
ead (\$/lb)	0.98	0.96	0.81	0.85	1.05	0.89	0.82	0.82	0.82	0.81	0.81
Zinc (\$/lb)	0.88	0.98	0.88	0.95	1.31	1.41	1.23	1.18	1.15	1.15	1.18
Cashflow metrics											
Operating Cash Flow (\$m)	944	982	1,423	799	1,211	1,282	1,679	1,848	1,858	1,935	2,001
Capex (\$m)	(2,244)	(2,025)	(1,191)	(710)	(931)	(1,312)	(880)	(856)	(864)	(784)	(816)
Acquisitions, Divestments, other (\$m)	595	165	736	-	54		-		-	-	-
FCF - pre interest (\$m)	(705)	(878)	968	89	334	(30)	799	992	994	1,151	1,185
Interest (\$m) FCF (\$m)	(50) (755)	(50) (928)	(130) 839	(137) (48)	(133) 201	(123) (153)	(122) 677	(118) 874	(113) 881	(109) 1,042	(103) 1,082
FCF Yield (%)	-3%	-5%	6%	0%	201	-1%	6%	8%	8%	9%	9%
EV/EBITDA (x)	16.1	20.5	10.1	12.6	7.7	6.8	5.1	4.8	4.9	4.6	4.4
Balance sheet											
Net Debt (\$m)	1,689 10%	3,057 17%	2,305 17%	2,310 16%	2,249 15%	2,347 15%	1,617 14%	693 14%	(232)	(1,315)	(2,431) 12%
Leverage (D/D+E), % ND/EBITDA	10% 1.2	17% 2.8	1/%	16% 1.9	15% 1.5	15% 1.5	14% 0.7	14% 0.3	(0.1)	(0.5)	12% (1.0)
Production						2.4-2.6	2.6-2.8	2.9-3.1	2.9-3.1		
Gold (k oz)	2,628	2,792	3,464	2,873	2,569	2,481	2,606	2,866	3,010	2,947	2,911
Canada	1,010	1,041	1,011	1,188	1,136	1,022	1,137	1,293	1,393	1,409	1,336
Mexico	412	342	546	833	456	476	341	391	560	693	702
Central/South America Adjustments	0 975	325 920	596 640	889 554	830 451	885 186	904 100	922 0	913 0	909	909
.,						30		-	-	-	
Silver (m oz)	30.3	36.8	40.4	28.1	28.6	29.5 160	47.7	41.3	36.2	35.1	35.1
Lead (m lbs) Zinc (m lbs)	159 279	152 330	223 389	143 263	133 360	161 328	302 447	266 451	163 408	138 421	138 421
Gold (k oz)	2,628	2,792	3,464	2,873	2,569	2,481	2,606	2,866	3,010	2,947	2,911
Cerro Negro Penasquito	0 342	152 546	507 833	363 456	452 476	489 341	520 391	520 560	520 693	520 702	520 702
Pueblo Viejo	342	443	382	456	433	415	403	394	389	389	389
Red Lake	493	414	376	324	209	236	279	298	309	309	309
Eleonore	0	18	268	274	305	361	391	403	407	407	407
Porcupine	292	300	274	277	272	277	332	403	403	403	403
Musselwhite	256	278	270	261	236	263	290	290	290	217	181
Adjustments	920	640	554	451	186	100	0	0	0	0	0
Revenues (\$m) Revenue by product											
Gold	1,982	1,975	3,028	2.446	2.420	2.482	2.722	3.154	3.442	3,546	3.637
Silver	503	514	542	354	417	501	845	805	742	768	767
Lead	144	153	145	95	135	143	247	217	132	113	113
Zinc	225	330	337	248	475	462	548	532	472	485	496
Eliminations/adjustments	936	696	323	367	(23)						
Total	3,789	3,668	4,375	3,510	3,423	3,588	4,361	4,708	4,789	4,911	5,013
Revenue by segment		1.262	1.312	1,408	1.275	1.409	1.558	1.729	1.792	1,836	1.879
Canada Mexico	1,444 1,148	1,432	1,646	1,408	1,400	1,409	2,078	2.227	2,222	2,276	2,314
Central/South America	1,140	1,432	790	532	609	686	725	752	774	800	820
Eliminations/adjustments	1,197	974	627	526	139	-					
Total	3,789	3,668	4,375	3,510	3,423	3,588	4,361	4,708	4,789	4,911	5,013
Net cash costs per unit			077	07/		07:	005				0.7 :
Canada (\$/oz)	641	607 403	676 342	671	775	674 -439	688 -258	687	687	690	691
Mexico (\$/oz) Central and South America (\$/oz)	509 531	403 425	342 559	725 424	-172 431	-439 455	-258 466	-133 467	-42 472	-42 454	-42 470
Gold net cash costs (\$/oz)	552	531	582	603	499	438	474	463	460	454 449	470 452
AISC						450	400	400	400		
Cerro Negro	0	0	775	747	682	625	670	620	608	608	647
Penasquito	1,011	837	568	1,341	395	227	273	238	257	254	254
Pueblo Viejo	0	0	614	449	525	632	611	635	666	622	661
Red Lake	886 0	946 0	916 848	877	1,201	1,032	1,032	987	987	987	961
Eleonore Porcupine	1,044	911	1,084	982 903	1,099 985	913 948	906 952	881 899	891 899	891 899	891 899
Musselwhite	1,104	814	778	681	777	784	781	837	837	902	954
Gold AISC costs (\$/oz)	1,042	948	884	866	824	799 800	736	694 700	682	676	686
EBITDA (\$m)	1,460	1,092	1,537	1,223	1,479	1,617	2,170	2,298	2,237	2,394	2,507
EBITDA margins (%)	38.5%	29.8%	35.1%	34.8%	43.2%	45.1% 1300	49.8% 825	48.8% 875	46.7% 875	48.8%	50.0%
Consolidated capex (\$m) Sustaining	2,244 951	2,025 733	1,191 646	710 392	931 311	1,312 652	880 596	856 576	864 584	784 584	816 596
Growth	1,293	1,348	570	115	333	660	284	280	280	200	220

NAV (CY18)		D	Be
(/		\$M	\$/sh
Cerro Negro		2,709	3.2
Penasquito		5,275	6.2
Pueblo Viejo (40%)*		1,830	2.1
Red Lake		1,287	1.5
Eleonore		584	0.7
Porcupine		1,618	1.9
Musselwhite		135	0.2
Other assets		3,500	4.1
Total Assets		16,936	19.7
Corporate		(695)	(0.8)
Net Debt		(2,249)	(2.6)
TOTAL		13,992	16.3
WACC (nominal)	7%	Shares	858

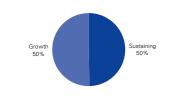




Revenue by product (2018E)



Capex (2018E)



Source: Company data and Deutsche Bank estimates



Kinross - Earnings revision summary

Kinross reported 4Q17 adjusted diluted EPS of 1c (versus DBe of 4c and Factset consensus of 3c), and a headline diluted EPS of 17c, which included a \$93m (pretax) tax-related adjustment following the new US corporate tax rate reform, and a \$22m pre-tax impairment charge at Paracatu, Tasiast and Fort Knox.

2018E production guidance was announced at 2.5moz (+/-5%) and is expected to be at a similar level over the next three years, which is lower than 2017 gold production of ~2.7moz. While Kinross expects a production increase in Africa, this is likely offset by lower anticipated grades at Kupol/Dvoinoye, the closure of River-Buckhorn and the suspension of mining at Maricunga. Our 2018 production estimate is 2.56moz. Cost of sales guidance is \$750/oz in 2018 (DBe \$723/oz), while AISC is forecast at \$925-1,025/oz (DBe \$950/oz). Kinross has announced capex guidance of \$1,075m in 2018 (+/-5%) and we have modeled out close to this at \$1,062m. Production is expected to be higher in 2H18 as Tasiast Phase One Expansion production should kick-in. Our model reflects 1H18 production at ~597koz while 2H18 production is estimated at ~646koz.

Our 2018E and 2019E EBITDA remain largely unchanged at \$1.21bn and \$1.28bn, largely in line with Factset consensus of \$1.18bn and \$1.24bn, respectively. Our 2018 adjusted diluted EPS is expected at 16c, in line with Factset consensus of 16c. Our 2019 EPS is forecast at 20c, 5c above Factset consensus of 15c.

Our unchanged 12-month \$4/sh PT (Hold) is based on ~1.0x \$3.80/sh NPV. Our NPV is largely unchanged as we have not made significant adjustments to our assumptions. Key risks include up-/down gold prices and operating costs.

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Figure	16.	Kinrose	Parnings	revision	summary
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		Current			Previous			Change	
(\$m)	2017A	2018E	2019E	2017E	2018E	2019E	2017E	2018E	2019E
Revenues	3,303	3,277	3,250	3,325	3,206	3,138	-1%	2%	4%
Cost of goods sold	2,598	2,655	2,549	2,615	2,522	2,468	-1%	5%	3%
Depreciation & others	819	828	825	837	808	790	-2%	3%	4%
Cash production cost	1,779	1,827	1,724	1,779	1,714	1,678	0%	7%	3%
EBITDA	1,156	1,216	1,282	1,167	1,193	1,160	-1%	2%	11%
EBITDA margin (%)	35.0%	37.1%	39.4%	35.1%	37.2%	37.0%	-10bps	-10bps	248bps
Gross profit	705	621	701	710	684	670	-1%	-9%	5%
Selling, general & admin	262	161	164	288	218	220	-9%	-26%	-26%
R&D expenses	106	73	80	92	80	79	15%	-10%	2%
Operating profit	337	388	457	330	385	370	2%	1%	23%
Operating margin	10.2%	11.8%	14.1%	9.9%	12.0%	11.8%	25bps	-19bps	226bps
Net financial gain (exp)	(104)	(91)	(94)	(101)	(85)	(84)	3%	7%	11%
Pre-tax profit	419	297	363	352	300	286	19%	-1%	27%
Taxes	(23)	95	116	75	96	91	-131%	-1%	27%
Tax rate	-5.5%	32.0%	32.0%	21.2%	32.0%	32.0% n	m	0bps	0bps
Net income	442	202	247	277	204	194	60%	-1%	27%
Adj. net income	177	205	250	212	203	193	-17%	1%	30%
Net income	445	205	250	279	203	193	59%	1%	30%
Diluted EPS (\$)	0.35	0.16	0.20	0.22	0.16	0.15	59%	1%	30%
Adj. diluted EPS (\$)	0.14	0.16	0.20	0.17	0.16	0.15	-17%	1%	30%
Net debt (cash)	707	739	603	780	674	594	-9%	10%	1%
Operational Highlights									
Volumes									
Gold equivalent (000 oz)*	2,674	2,556	2,566	2,672	2,500	2,478	0%	2%	4%
Gold (000 oz)*	2,674	2,509	2,517	2,660	2,453	2,428	1%	2%	4%
Silver (000 oz)*	3,879	3,569	3,569	3,923	3,569	3,569	-1%	0%	0%
Average prices									
Gold price (\$/oz)	1,258	1,283	1,266	1,258	1,283	1,266	0%	0%	0%
Silver price (\$/oz)	17.06	16.95	17.70	17.06	16.95	17.70	0%	0%	0%
Cash costs									
Op. cash cost (\$/oz)	670	723	679	676	693	685	-1%	4%	-1%
* Attributable									

Source: Company data and Deutsche Bank estimates

* NPV for Chirano shown on an attributable basis

Source: Company date and Deutsche Bank estimates



ommodities (Nominal)	2013A	2014A	2015A	2016A	2017A	2018E	2019E	2020E	2021E	2022E	2023E	NAV (CY18)	\$M	\$/sh	
old (\$/oz)	1,413	1,267	1,161	1,249	1,258	1,283	1,266	1,305	1,344	1,383	1,421	Fort Knox	392	0.31	
ver (\$/oz)	24	19	16	17	17	17	18	20	21	22	22	Round Mountain	369	0.30	
opper (\$/lb)	3.34	3.11	2.50	2.21	2.80	3.26	3.40	3.50	3.43	3.35	3.36	Bald Mountain	476	0.38	
												Kettle River- Buckhorn	100	0.08	
ashflow metrics												Paracatu	1,202	0.96	
perating Cash Flow (\$m)	797	885	836	1,104	952	1.030	1,072	1,171	1.226	1,277	1.275	Maricunga	200	0.16	
apex (\$m)	(1,262)	(586)	(610)	(634)	(906)	(1,062)	(936)	(778)	(692)	(588)	(528)	Kupol	1,018	0.82	
equisitions, Divestments, other (\$m)	225	(25)	(57)	(639)	204	-	- 1	- 1	- 1	- 1	- '	Tasiast	1,803	1.45	
CF - pre interest (\$m)	(241)	274	168	(168)	249	(32)	136	393	534	689	747	Chirano (90%)*	189	0.15	
terest (\$m)	(43)	(80)	(96)	(135)	(118)	(102)	(106)	(106)	(106)	(106)	(106)	Other assets	600	0.48	
CF (\$m)	(284)	194	72	(303)	132	(134)	30	287	427	583	640	Total Assets	6,350	5.09	
CF Yield (%)	#DIV/0!	4%	3%	-6%	3%	-3%	1%	6%	10%	13%	14%	Corporate	(901)	(0.72)	
V/EBITDA (x)	0.0	4.8	4.0	5.4	4.8	4.1	3.8	3.2	2.7	2.1	1.6	Net debt	(707)	(0.57)	
V/EBITDA attributable (x)	0.0	5.3	4.2	5.5	5.2	4.5	4.2	3.5	3.0	2.3	1.9	TOTAL	4,742	3.80	
alance sheet												WACC (nominal)	7.5% Sh	ares (m)	1,247
et Debt (\$m)	1,385	1,075	938	906	707	739	603	209	(324)	(1,013)	(1,760)	Revenue by segment (20	18E)		
everage (D/D+E), %	26%	30%	34%	29%	27%	29%	28%	26%	25%	24%	22%				
D/EBITDA	1.0	1.0	1.1	0.9	0.6	0.6	0.5	0.1	(0.2)	(0.6)	(1.1)	Weste			
												Afric			
roduction volumes (attributable)						2.4-2.6	2.4-2.6	2.4-2.6				22%			
old (koz eq)	2,631	2,718	2,595	2,789	2,674	2,556	2,566	2,652	2,599	2,510	2,463				
old (k oz)	2,631	2,710	2,595	2,799	2,674	2,509	2,517	2,598	2,558	2,470	2,429				USA
USA	735	673	697	1,031	1,177	1,018	920	867	809	849	900				39%
South America	851	768	690	659	451	475	475	475	475	469	442				
Russia	550	751	759	744	580	481	481	481	396	354	289				
Western Africa	496	518	450	366	465	535	641	775	877	798	798				
ilver (m oz)	5.2	4.3	4.7	3.8	3.9	3.6	3.6	3.6	2.7	2.5	2.2	Russia			
old (k oz)	2,631	2,710	2,595	2,799	2,674	2,509	2,517	2,598	2,558	2,470	2,429	21%			7
Fort Knox	422	379	402	410	381	345	308	278	220	260	260				
Round Mountain	163	170	198	378	437	383	357	335	335	335	386				
Bald Mountain	0	0	0	130	283	290	255	255	255	255	255		Soi	uth America	
Kettle River- Buckhorn	150	123	97	112	77	0	0	0	0	0	0			18%	
Paracatu	500	521	478	483	360	475	475	475	475	469	442				
Maricunga	188	247	212	176	91	0	0	0	0	0	0	Revenue (2018E)			
Kupol	550	751	759	744	580	481	481	481	396	354	289		Silve	r	
Tasiast	248	260	219	175	243	338	443	578	680	798	798		2%		
Chirano (90%)*	248	258	230	191	221	198	198	198	198	0	0				
Other assets	162	0	0	0	0	0	0	0	0	0	0				
														`	
evenues (\$m)															
evenue by product old	3,780	3,465	3,052	3,472	3,303	3,244	3,214	3,420	3,468	3,415	3,452				
	3,700	3,400	3,052	3,412			3,214	3,420 70	3,468 55	3,415 56					
ilver	2 700	2 /65	2.050	2 472	2 202	60 2 205					49				
otal evenue by segment	3,780	3,465	3,052	3,472	3,303	3,305	3,278	3,489	3,522	3,470	3,501				7
USA	1.040	883	808	1.007	1 401	1 201	1.104	1 100	1 000	1.174	1 070				,
		959	808 809	1,267 819	1,461 499	1,304	1,164	1,132	1,088 638	1,174 648	1,279 628				
South America Russia	1,233 775	959 948	809 883	819 919	499 727	609 677	602 672	620 697	638 587	648 545	628 459				
Western Africa	775	948 675	552	919 467	616	714	6/2 840	1,041	1,209	1,103	1,134			old	
Eliminations/adjustments	132	0/0	552	40/	010	/ 14	040	1,041	1,209	1,103	1,134		91	8%	
otal	3,780	3,465	3,052	3,472	3,303	3,305	3,278	3,489	3,522	3,470	3,501				
	-,	-,	-,	-,	-,	-,	-, 5	-,	-,	-,	-,	Capex (2018E)			
et cash costs per unit (Gold Equivalent (694-767									
SA	627	741	699	789	648	635	654	704	714	728	783				
outh America	747	862	847	747	852	947	909	899	889	891	891				Contains
ussia	514	505	476	441	521	618	599	599	678	723	775				Sustaining 32%
estern Africa	898	784	842	1,003	788	787	609	605	548	420	420				3270
old cash costs (\$/oz)	743	719	697	714	670	723	679	690	683	659	682				
ISC per unit (Gold Equivalent Ounces) otal AISC	1,089	976	977	989	953	925-1,025 950	949	914	894	846	868				
BITDA (\$m)	1,363	1,099	854	1,041	1,156	1,216	1,282	1,406	1,479	1,588	1,585				
BITDA attributable (\$m) BITDA margin (%)	525	1,083	874	1,061	1,145	1,211	1,271	1,397	1,471	1,579	1,575	Growth			7
	36%	32%	28%	30%	35%	37%	39%	40%	42%	46%	45%	68%			
or DA margin (70)															
- ' '	1 000	506	610	604	006	1 000	006	770	600	E00	F00	0070			
onsolidated capex (\$m)	1,262 483	586 305	610 429	634 447	906 613	1,062 344	936 472	778 384	692 348	588 308	528 296	0070			



Franco-Nevada - Earnings revision summary

Franco-Nevada reported 4Q17 adjusted diluted EPS of 28c (in-line with DBe of 28c and slightly above Factset consensus of 27c), and a headline diluted EPS of 23c, which included a 4c (\$7m) adjustment related to the new US corporate tax rate reform, and a 2c (\$5m) impairment charge. Other adjustments included FX and other minor tax adjustments. 2018E production guidance was announced at 460-490k Gold Equivalent Ounces (GEOs) (DBe 473k GEOs) as GEOs are expected to be slightly lower in LatAm (at Candelaria as the mine plan is being revised) and in the US (at South Arturo with the end of mining in Phase 2 and start of stripping from the next phase). However, higher GEOs are expected at Tasiast (Phase 1) and Subika. Cobre Panama production is still around 6-9 months away.

Our 2018E and 2019E EBITDA are at \$516m and \$572m, 5% and 6% below Factset consensus of \$542m and \$607m, respectively. Our 2018 adjusted diluted EPS is expected at \$1.11, slightly below Factset consensus of \$1.14/sh. Our 2019 EPS is forecast at \$1.28/sh, 4% below Factset consensus of \$1.33.

Our unchanged 12-month \$77/sh PT (Hold) is based on \sim 1.0x \$77.7/sh NPV. Our NPV is largely unchanged as we have not made significant adjustments. Key risks include up/down gold prices and operating costs.

Change

ı	E: 40 E	K I I			
ı	Figure 18: Franc		CORDINGO	rougelon	cum mari
ı	TRUME TO TRANC	J-INEVAUA	earrings	TEVISION	Summary

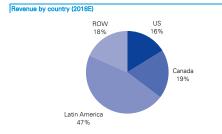
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\$m	2017A	2018E	2019E	2017E	2018E	2019E	2017E	2018E	2019E
Revenues	675	670	755	676	726	791	0%	-8%	-5%
Cost of goods sold	415	392	437	415	402	435	0%	-2%	0%
Depreciation & others	273	269	287	276	274	286	-1%	-2%	1%
Cash production cost	142	123	150	138	128	149	3%	-4%	0%
EBITDA	510	516	572	513	561	590	-1%	-8%	-3%
Adj. EBITDA	516	516	572	517	561	590	0%	-8%	-3%
EBITDA margin (%)	76%	77%	76%	76%	77.2%	74.7%	0bp	0bp	1bp
Gross profit	260	277	318	261	324	356	0%	-15%	-11%
General & admin expenses	23	31	33	25	37	51	-7%	-16%	-35%
Operating profit	237	246	284	237	287	305	0%	-14%	-7%
Operating margin	35%	37%	38%	35%	39.6%	38.5%	0%	-7%	-2%
Net financial gain (exp)	1	1	1	2	2	3	-52%	-48%	-53%
Pre-tax profit	236	247	286	238	290	307	-1%	-15%	-7%
Taxes	41	42	49	36	72	77	16%	-42%	-37%
Tax rate	18%	17%	17%	15%	25.0%	25.0%	17%	-32%	-32%
Net income	195	205	237	202	217	231	-4%	-5%	3%
Net margin	29%	31%	31%	30%	30%	29%	-4%	3%	8%
Adj. diluted EPS (\$)	1.07	1.11	1.28	1.08	1.17	1.24	-1%	-5%	3%
Net debt (cash)	(511)	(194)	(410)	(558)	(540)	(750)	-8%	-64%	-45%
Operational Highlights									
Volumes									
Gold Equivalent (k geo)	498	473	539	499	503	555	0%	-6%	-3%
Gold and silver (k geo)	449	438	501	453	469	517	-1%	-6%	-3%
PGM (k geo)	35	31	35	30	31	35	13%	0%	0%
Other Minerals (k geo)	14	4	4	8	3	4	91%	22%	17%
Realized price									
Gold (\$/oz)	1,257	1,283	1,266	1,258	1,283	1,266	0%	0%	0%
Silver (\$/oz)	17.06	16.95	17.70	1,250	17.06	16.95	17.70	-1%	4%

Source: Company data and Deutsche Bank estimates

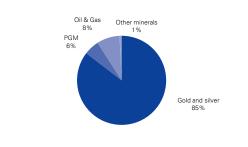


Commodities (Nominal) Silver (\$/oz) Gold (\$/oz)	2015A								
Gold (\$/oz)		2016A	2017E	2018E	2019E	2020E	2021E	2022E	2023E
	15.72	17.10	17.06	16.95	17.70	19.50	20.50	21.90	21.87
	1,161	1,249	1,258	1,283	1,266	1,305	1,344	1,383	1,421
Palladium (\$/oz)	692	614	871	930	915	900	850	821	791
Platinum (\$/oz)	1,056	988	950	1,088	1,190	1,300	1,420	1,516	1,612
Copper (\$/lb) Nickel (\$/lb)	2.50 5.38	2.22 4.38	2.39 5.33	3.26 5.45	3.40 5.92	3.50 6.59	3.43 7.25	3.35 7.92	3.36 8.39
Molybdenum (\$/lb)	6.95	6.58	6.53	7.33	7.65	7.98	8.31	8.64	8.96
WTI Cushing (\$/bbl)	49.2	43.4	50.9	56.0	56.0	57.0	59.0	60.0	60.0
Cashflow metrics Operating Cash Flow (\$m)	252	471	488	475	524	551	563	599	618
Capex (\$m)	(1,030)	(745)	(500)	(240)	(120)	-	-	-	-
Acquisitions, Divestments, other (\$m)	(1,000)	55	(1)	(376)	- (120)	-	-	-	_
FCF - pre interest (\$m)	(806)	(219)	(13)	(141)	404	551	563	599	618
Interest (\$m)	-	-	-	-	-	-	-	-	-
FCF (\$m) FCF Yield (%)	(806) -17%	(219) -2%	(13) 0%	(141) -1%	404 3%	551 4%	563	599 5%	618 5%
EV/EBITDA (x)	14.8	22.4	24.7	24.2	21.4	19.7	18.9	16.7	15.7
Balance sheet									
Net Debt (\$m)	308	(253)	(511)	(194)	(410)	(766)	(1,120)	(1,502)	(1,892)
Leverage (D/D+E), %	13%	0%	0%	0%	0%	0%	0%	0%	0%
ND/EBITDA	0.9	(0.5)	(1.0)	(0.4)	(0.7)	(1.3)	(1.8)	(2.2)	(2.8)
Sales volumes (attributable)									
Precious Metals (k geo)	322	425	488	438	501	516	502	503	503
US	54	56	76	69	63	63	63	62	62
Canada Latin America	42 155	47 242	64 253	41 241	44 305	43 326	42 323	42 325	42 326
Rest of World	71	80	253 95	88	89	83	73	73	73
PGM (k geo)	29	29	35	31	35	35	37	38	40
Other Minerals (k geo)	9	7	14	4	4	2	2	26	25
Gold Equivalent (k oz)	360	464	498	473	539	552	541	567	568
Oil & Gas (kBoe)	1,108	1,177	1,244	460-490 1,422	1.422	1,307	1,365	585-595 1,365	1.365
Sales volumes (attributable)	.,	.,	-,	.,	.,	.,	.,	.,	1,000
Candelaria	88	70	86	72	73	73	72	70	70
Palmarejo	43	43	31	25	29	22	19	9	9
Antapaccay	0	75	78	78	76	76 103	76	72	72
Cobre Panama Antamina	0 17	0 62	0 52	16 48	76 48	103	107 46	126 44	128 43
Goldstrike	18	27	32	33	33	33	33	33	33
MWS	26	23	24	24	24	24	26	26	26
Sabodala	23	23	22	20	16	14	12	10	10
Others	142	137	167	158	165	159	150	177	178
Gold Equivalent (k oz)	356	459	491	473	539	552	541	567	568
Revenues (\$m)	444	610	675	670	755	795	804	862	883
Gold and silver	377	543	588	572	644	683	685	706	726
PGM Oil & Gas	29 28	24 29	35 47	37 56	38 67	38 71	39 77	40 80	41 80
Other minerals	28 10	29 8	47	56	5	2	3	36	36
Oil & Gas Revenue Guidance		Ü		50-60	Ü	-	Ü	80-90	
Precious Metals									
US	78	87	92	106	98	98	101	103	105
Canada Latin America	65 180	66 303	71 326	54 311	58 388	58 428	59 437	60 452	62 465
Rest of World	83	101	119	119	119	116	104	108	111
Other minerals	10	8	4	5	5	2	3	36	36
Oil & gas	28	29	47	56	67	71	77	80	80
Net cash costs per unit									
Gold cash costs (\$/oz)	405	370	399	392	401	397	404	396	400
Silver cash cost (\$/geo)	14	62	63 430	64	63 439	65	67	69	71
PGMs (\$/oz) Total cash costs (\$/geo)	416 405	425 370	430 399	434 392	439 401	443 397	447 404	452 396	456 400
EDITO A (A)	333	481 79%	510 76%	516 77%	572 76%	603 76%	611 76%	668 78%	684 77%
EBITDA (\$m) EBITDA margins (%)	75%								
EBITDA (\$m) EBITDA margins (%) Consolidated capex (\$m)	75% 1189	749	514	616	120	0	0	0	0
EBITDA margins (%)	1189 1,033	747	501	616 240	120 120	0	0	0	0
EBITDA margins (%) Consolidated capex (\$m)	1189					-		-	

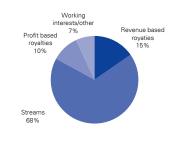
NAV (CY18)	DBe					
	\$M	\$/sh				
Total Asset value	13,706	73.89				
Equity Investment	203	1.09				
Net Debt	(511)	(2.76)				
TOTAL NPV	14,421	77.74				
PT		77.00				
WACC (nominal)	5%					
Long term prices		DBe				
Gold (\$/oz)		1,383				
Silver (\$/oz)		21.9				
Palladium (\$/oz)		821				
Platinum (\$/oz)		1,516				
WTI Cushing (\$/bbl)		60				







Revenue by contract (2018E)





Wheaton Precious Metals- summary

The company is due to report after market on March 21. The below figure is a summary of our operational forecasts.

Commodities/FX (Nominal)	2014A	2015A	2016A	2017E	2018E	2019E	2020E	2021E	2022E	NPV (CY18)		DBe	
lver (\$/oz)	18.90	15.79	17.09	17.03	16.95	17.70	19.50	20.50	21.90	1	\$M	\$/sh	
old (\$/oz)	1,263	1,160	1,246	1,257	1,283	1,266	1,305	1,344	1,383				
ld/silver ratio	67.2	74.0	73.5	74.0	75.7	71.5	66.9	65.6	63.1	Total Assets	12,647	28.6	
										Others	237	0.5	
shflow metrics										Net Debt	676	1.5	
perating Cash Flow (\$m)	432	431	584	510	268	145	407	505	699	Total Equity Value	12,208	27.6	
apex (\$m)	(140)	(1,811)	(805)	(2)	-	(150)	(210)	-	-	PT		27.0	
equisitions, Divestments, other (\$m)	2	20	(0)	1		-	-			WACC (nominal)	5.4%		
F - pre interest (\$m)	295	(1,360)	(221)	509	268	(5)	197	505	699				
erest (\$m)	(2)	(4)	(24)	(26)	(21)	(18)	(18)	(12)	(10)	Long term prices		DBe	
F (\$m)	292	(1,364)	(245)	483	246	(23)	179	493	689	Silver (\$/oz)		21.9	
F Yield (%)	3.7%	-21.3%	-2.8%	5.5%	2.8%	-0.3%	2.0%	5.6%	7.8%	Gold (\$/oz)		1,383	
/EBITDA (x)	19.8	18.2	16.2	17.2	16.4	16.2	15.5	16.6	11.3			-,	
lance sheet										Production by assets (2018E)		
Debt (\$m)	692	1,363	1,069	676	488	514	391	(22)	(605)				
verage (D/D+E), %	22%	26%	19%	14%	14%	13%	13%	7%	7%				
/EBITDA	1.6	3.2	1.8	1.2	0.9	0.9	0.7	(0.0)	(0.8)				mina
duction values o												25	5%
duction volumes er (m seo)	35.3	47.8	54.5	49.3	49.3	48.0	44.6	37.9	46.7	Other			
amina	0.0	2.4	6.8	6.6	5.1	4.7	4.7	4.7	0.0	35%			
obo	2.7	9.3	14.5	15.7	17.0	16.1	15.1	14.7	14.2				
dburv	2.7	2.8	3.3	2.2	3.3	3.1	2.9	2.8	2.7				
nstancia	0.0	0.9	4.2	3.0	4.6	4.4	3.9	3.2	3.2		1		Salobo
nasquito	7.3	7.2	5.0	6.1	8.3	9.5	9.8	0.0	9.8				Salobo 5%
n Dimas	7.3 5.8	7.2	5.0	3.6	0.0	0.0	0.0	0.0	0.0				J 70
ner	17.1	17.6	15.5	12.1	11.0	10.0	8.3	12.4	16.7				Sudbury
ver (m oz)	25.7	30.7	30.3	27.6	23.6	24.0	22.8	17.6	25.4				7%
				28	29	29	29	29	29				
ld (k oz)	144	230	335	292 340	383	379 340	369 340	354 340	381 340	C D'		Constanci 12%	а
venues (\$m)	707	717	867	788	851	864	884	799	1,028	San Dimas 16%	Per	nasquito 1270	
er	476	453	478	439	384	408	427	347	527			U76	
d	232	264	389	349	467	456	457	452	500				
rth America	413	351	324	259	245	267	282	79	356				
ope	56	48	56	73	82	83	70	66	55				
uth America	150	250	484	456	472	462	478	598	560	Revenue by region (2018E)			
sh cost per unit (\$/oz)													
Dimas	4.19	4.22	4.26	4.30	4.34	4.38	4.43	4.47	4.52			Nor	h America
iliyacu	4.15	4.19	7.90	8.81	8.89	8.98	9.07	9.16	9.25			1401	31%
nasquito	4.05	4.07	4.09	4.13	4.13	4.17	4.21	4.25	4.30				-
tamina	0.00	2.80	3.41	3.41	3.39	3.54	3.90	4.10	4.38			7	
ner	4.18	4 41	4.63	4.28	4.31	4.37	5.05	4.10	3.88				
al Silver	4.14	4.18	4.41	4.36	4.43	4.50	4.78	5.18	4.47				
dibury	400	400	400	400	400	400	400	400	400	South America			
obo	400	400	400	400	400	404	408	412	416	South America 59%			
ner DBO	370	375	377	342	368	373	386	388	414	35 /6			
al Gold	386	392	392	392	416	420	426	431	435			Euro	oe .
erage cash cost (\$/seo)	4.60	4.58	4.50	4.62	5.35	5.56	5.96	6.41	5.97			109	
TDA (\$m)	431	426	603	544	561	568	588	522	717				
Dimas	82	84	66	46	0	0	0	0	0				
liyacu	49	29	19	15	16	17	19	22	24				
nasquito	106	83	55	72	100	122	142	0	164				
tamina	0	16	99	80	69	67	73	77	0				
dbury	26	26	38	25	36	35	37	39	40	Revenue by product (2018E)	_		_
obo	38	82	157	168	189	184	192	199	207				
ner	130	107	169	140	151	143	125	186	282				
TDA margins (%)	69.5%	65.7%	67.6%	67.2%	65.9%	65.8%	66.5%	65.4%	69.8%				Silver
Dimas	77.8%	73.1%	74.9%	74.7%	0.0%	0.0%	0.0%	0.0%	0.0%				45%
	78.0%	73.2%	52.9%	48.5%	47.6%	49.3%	53.5%	55.3%	57.7%				
	78.7%	74.0%	76.2%	75.7%	75.6%	76.4%	78.4%	0.0%	80.4%				
nasquito	0.0%	81.0%	80.0%	79.9%	80.0%	80.0%	80.0%	80.0%	0.0%				1
nasquito tamina	00 407	65.8%	68.0%	69.2% 66.5%	68.8% 68.8%	68.4 % 68.1 %	69.4% 68.7%	70.2% 69.3%	71.1% 69.9%	Gold			
nasquito ramina dbury	68.1% 68.5%	66.4%			00.070	00.170	JO. 7 70	03.370	03.370	55%		N .	1
nasquito tamina dbury obo	68.1% 68.5%	66.4%	67.7%	00.070									
nasquito amina Ibury obo nsolidated capex (\$m)	68.5%				0	.150	-010	0	0				'
nasquito tamina tibury obo nsolidated capex (\$m) er & gold interests	68.5% -125	-1,800	-800	0	0	-150	-210	0	0				'
ullyacu nasquito tamina tbury obo nsolidated capex (\$m) rer & gold interests rer & gold interests - interest paid	-125 -14	-1,800 -9	-800 -1	0 -2	ō	0	0	ō	Ō				,
nasquito tamina dbury obo nsolidated capex (\$m) rer & gold interests	68.5% -125	-1,800	-800	0									



Appendix 1

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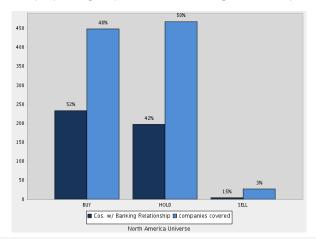
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