



## MANAGEMENT'S DISCUSSION AND ANALYSIS FOR THE THREE AND NINE MONTHS ENDED JUNE 30, 2017

### Introduction

*This management's discussion and analysis ("MD&A") of results of operations and financial condition of Orvana Minerals Corp. and its consolidated subsidiaries ("Orvana" or the "Company") describes the operating and financial results of Orvana for the three and nine months ended June 30, 2017.*

*This MD&A should be read in conjunction with the unaudited condensed interim consolidated financial statements of Orvana for the three and nine months ended June 30, 2017 and related notes thereto (the "Q3 Financials"). The Q3 Financials are prepared in accordance with International Financial Reporting Standards ("IFRS") as issued by the International Accounting Standards Board.*

*In this MD&A, all currency amounts (except per unit amounts) unless otherwise stated, are in United States dollars ("US dollars"). Production and sales in respect of gold and silver are in fine troy ounces referred to as "ounces" or "oz" and in respect of copper are in pounds also referred to as "lbs". The information presented in this MD&A is as of August 10, 2017, unless otherwise stated.*

*A cautionary note regarding forward-looking statements follows this MD&A.*

### Company Overview

Orvana is a multi-mine gold and copper producer with organic growth opportunities. Orvana's operating properties consist of (i) El Valle Mine and Carlés Mine (collectively, "El Valle"), two underground gold-copper-silver mines with process facilities that produce copper concentrates and gold doré, located in the northern part of Spain; and (ii) Don Mario Mine ("Don Mario"), an open-pit gold-copper-silver mine with process facilities that produce copper concentrates and gold doré, located in the south-eastern part of Bolivia. Orvana's strategic focus is on opportunities to deliver long-term shareholder value. To achieve this, Orvana is currently working to optimize its operations, reduce its unitary operating costs and realize growth in its future production base through exploration within and in proximity to its existing operations. Orvana is an Ontario registered company and its common shares ("Common Shares") are listed on the Toronto Stock Exchange under the symbol TSX:ORV.

### Third Quarter of Fiscal 2017 Consolidated Operating Highlights and Financial Results

The Company's strategy to increase production at its operations target productivity enhancements to allow for delivery of greater throughput, increased gold recovery and reduced unitary costs. The Company is pleased to report the following positive developments in the third quarter as follows:

- **El Valle – Further productivity improvements delivered higher gold and copper production:** The average daily mill throughput rate achieved during the third quarter was 2,284 tonnes per day ("tpd"), 23% higher than the daily average of 1,850 tpd for the first half of fiscal 2017. This improvement was supported by continued mine productivity increases. Gold and copper production increased during the third quarter by 15% and 24%, respectively, as compared to the second quarter, despite a decrease in gold grade due to mining in lower grade skarn zones during the third quarter.
- **Don Mario – CIL production surpassed targets:** The results of the first full quarter of gold doré production from the re-commissioned carbon-in-leach circuit (the "CIL Project") exceeded the Company's expectations and positions Don Mario well for the future with increased gold processing capabilities. Gold recovery rates improved to an average of 89.3% over the third quarter, exceeding Don Mario's targeted average gold recovery of 80%, resulting in a 48% increase in gold ounce production compared to the second quarter of fiscal 2017. Don Mario has now commenced further investments towards its future, with a tailings dam expansion that will allow for a three year extension

to its mine life. This expansion is being financed primarily through local debt facilities totalling \$11.3 million from Banco BISA SA (“BISA”), which closed on June 30, 2017.

- **Realized reductions in unitary costs:** As a result of the above productivity increases, the Company reached record gold production in the third quarter of fiscal 2017 and has continued to realize decreases in its unitary costs during the third quarter of fiscal 2017. Consolidated all-in sustaining costs per ounce of gold sold fell to \$1,199 per ounce, compared with \$1,214 per ounce in the second quarter of fiscal 2017 and \$1,311 per ounce in the third quarter of fiscal 2016.
- **Improved financial performance:** Supported by productivity increases and higher commodity prices, revenue increased 16% to \$36.7 million in the third quarter, compared with the second quarter of fiscal 2017. EBITDA in the third quarter was \$4.8 million, slightly higher compared with the second quarter of fiscal 2017 and a 91% improvement compared with the third quarter of fiscal 2016. Consolidated cash balances increased from \$14.2 million at March 31, 2017 to \$18.5 million at June 30, 2017.

	Q3 2017	Q2 2017	Q3 2016	YTD 2017	YTD 2016
<b>Operating Performance</b>					
<i>Gold</i>					
Grade (g/t)	2.49	2.55	2.12	2.33	2.17
Recovery (%)	90.6	81.2	76.2	82.5	77.9
Production (oz)	26,414	20,513	16,038	62,626	50,943
Sales (oz)	24,287	20,773	16,496	58,997	47,111
Average realized price / oz	\$1,262	\$1,238	\$1,258	\$1,253	\$1,202
<i>Copper</i>					
Grade (%)	0.65	0.66	0.85	0.72	0.80
Recovery (%)	73.7	63.7	66.3	64.0	66.7
Production ('000 lbs)	3,837	2,867	3,833	10,292	11,104
Sales ('000 lbs)	4,244	3,032	3,879	10,836	10,071
Average realized price / lb	\$2.45	\$2.50	\$2.13	\$2.42	\$2.15
<i>Silver</i>					
Grade (g/t)	8.81	9.58	14.92	10.81	17.97
Recovery (%)	73.3	70.1	75.9	71.2	74.3
Production (oz)	75,578	66,485	112,507	250,343	403,345
Sales (oz)	77,173	87,441	111,949	290,240	373,327
Average realized price / oz	\$17.25	\$17.42	\$16.91	\$17.30	\$15.40
<b>Financial Performance (in 000's, except per share amounts)</b>					
Revenue	\$36,671	\$31,714	\$26,030	\$91,843	\$69,806
Mining costs	\$31,180	\$26,272	\$21,809	\$81,808	\$61,660
Gross margin	(\$1,909)	\$8	\$406	(\$8,754)	(\$4,284)
Net loss	(\$3,446)	(\$2,233)	(\$1,181)	(\$13,833)	(\$6,927)
Net loss per share (basic/diluted)	(\$0.03)	(\$0.02)	(\$0.01)	(\$0.10)	(\$0.05)
EBITDA <sup>(1)</sup>	\$4,782	\$4,774	\$2,509	\$6,222	\$3,457
Operating cash flows before non-cash working capital changes	\$2,930	\$3,683	\$3,223	\$3,317	\$4,013
Operating cash flows	\$7,769	\$928	\$2,176	\$8,396	\$3,216
Ending cash and cash equivalents	\$18,504	\$14,210	\$12,021	\$18,504	\$12,021
Capital expenditures <sup>(2)</sup>	\$3,294	\$4,501	\$3,122	\$15,512	\$9,583
Cash operating costs (by-product) (\$/oz) gold <sup>(1)</sup>	\$1,032	\$993	\$1,035	\$1,071	\$1,045
All-in sustaining costs (by-product) (\$/oz) gold <sup>(1)(2)</sup>	\$1,199	\$1,214	\$1,311	\$1,330	\$1,344

(1) Earnings before interest, taxes, depreciation and amortization (“EBITDA”), cash operating costs (“COC”) and all-in sustaining costs (“AISC”) are non-IFRS performance measures. For further information and a detailed reconciliation of these measures not presented elsewhere, please see the “Other Information - Non-IFRS Measures” section of this MD&A.

(2) These amounts are presented in the consolidated cash flows in the Q3 Financials on a cash basis. Each reported period excludes capital expenditures incurred in the period which will be paid in subsequent periods and includes capital expenditures incurred in prior periods and paid for in the applicable reporting period. See the “Cash Flows, Commitments and Liquidity - Capital Expenditures” section of this MD&A. The calculation of AISC includes capex incurred (paid and unpaid) during the period.

## Operational Results

- Record consolidated quarterly gold production of 26,414 ounces during the third quarter of fiscal 2017, an increase of 65% compared to the third quarter of fiscal 2016.
- Production of 3.8 million pounds (1,740 tonnes) of copper and 75,578 ounces of silver during the third quarter of fiscal 2017. Copper production remained flat and silver production decreased by 33% compared with the third quarter of fiscal 2016.
- Production of 35,292 gold equivalent ounces during the third quarter of fiscal 2017, compared with 23,859 during the third quarter of fiscal 2016. <sup>(1)</sup>
- Sales of 24,287 ounces of gold, 4.2 million pounds (1,925 tonnes) of copper and 77,173 ounces of silver during the third quarter of fiscal 2017, an increase in gold and copper sales of 47% and 9%, respectively, and a decrease in silver sales of 31%, compared with the third quarter of fiscal 2016.
- Production of 62,626 ounces of gold, 10.3 million pounds (4,668 tonnes) of copper and 250,343 ounces of silver during the first nine months of fiscal 2017, an increase in gold production of 23% and a decrease in copper and silver production of 7% and 38%, respectively, compared with the first nine months of fiscal 2016.
- Production of 87,384 gold equivalent ounces during the first nine months of fiscal 2017, compared with 76,473 during the first nine months of fiscal 2016. <sup>(1)</sup>
- Sales of 58,997 ounces of gold, 10.8 million pounds (4,915 tonnes) of copper and 290,240 ounces of silver during the first nine months of fiscal 2017, an increase in gold and copper sales of 25% and 8%, respectively, and a decrease in silver sales of 22% compared with the first nine months of fiscal 2016.

### El Valle

- Third quarter gold, copper and silver production increased by 15%, 24% and 9%, respectively, to 13,705 ounces, 1.9 million pounds and 55,682 ounces, respectively, compared with the second quarter of fiscal 2017. Production improvements were primarily driven by increased mill throughput and recovery rates, offset by lower head grades delivered to the mill.
- Mill throughput rates at El Valle improved by 25% compared with the second quarter of fiscal 2017, reaching an average of 2,284 tonnes per day, higher than plant nameplate capacity of 2,000 tonnes per day.
- Production at El Valle increased compared with the second quarter of fiscal 2017, primarily through improved production from higher grade oxide zones and the Carlés Mine. Oxide production at the El Valle Mine in the third quarter of fiscal 2017 increased to 42,243 tonnes, or 44% compared with the second quarter of fiscal 2017. Mining rates at Carlés also improved by 35% to a total of 39,115 tonnes mined during the third quarter of fiscal 2017, up from 29,076 tonnes during the second quarter of fiscal 2017.

### Don Mario

- During the first full quarter of commercial production from the CIL circuit, gold production at Don Mario increased by 48% to 12,709 ounces compared with the second quarter of fiscal 2017. Gold recovery rates at Don Mario surpassed target rates of 80%, reaching an average of 89.3% over the third quarter of fiscal 2017.
- Copper and silver production increased by 45% and 29%, respectively, compared with the second quarter of fiscal 2017, as a result of increased mill throughput and improved copper and silver recoveries.

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<sup>(1)</sup> Gold equivalent ounces include copper pounds and silver ounces produced and converted to a gold equivalent based on a ratio of the average market price for the commodities for the period discussed.

## Financial Results

- At June 30, 2017, consolidated cash and cash equivalents was \$18.5 million, an increase of \$4.3 million from the previous quarter ended March 31, 2017.
- Net revenue of \$36.7 million for the third quarter of fiscal 2017, or 41% higher, compared with \$26.0 million for the third quarter of fiscal 2016, primarily due to higher gold and copper sales volumes and realized metal prices, offset by lower silver sales volumes.
- Mining costs of \$31.2 million for the third quarter of fiscal 2017, or 43% higher, compared with \$21.8 million for the third quarter of fiscal 2016 primarily due to higher sales volumes, as well as higher mining costs at El Valle in respect of labour increases, contract mining costs at Carlés and increased ground support and maintenance costs, and at Don Mario as a result of increased reagent and power costs required by the re-commissioned CIL circuit.
- Net loss for the third quarter of fiscal 2017 of \$3.4 million compared with \$1.2 million for the third quarter of fiscal 2016.
- EBITDA for the third quarter of fiscal 2017 of \$4.8 million compared with \$2.5 million for the third quarter of fiscal 2016. <sup>(2)</sup>
- Cash flows provided by operating activities of \$7.8 million in the third quarter of fiscal 2017, compared with \$2.2 million in the third quarter of fiscal 2016 and cash flows provided by operating activities before changes in non-cash working capital of \$2.9 million in the third quarter of fiscal 2017, compared with \$3.2 million in the third quarter of fiscal 2016. <sup>(2)</sup>
- Capital expenditures of \$3.3 million in the third quarter of fiscal 2017 compared with \$3.1 million in the third quarter of fiscal 2016.
- COC and AISC on a by-product basis (net of copper and silver by-product revenue from El Valle and Don Mario) per ounce of gold sold in the third quarter of fiscal 2017 of \$1,032 and \$1,199, respectively, compared with COC and AISC (by-product) of \$1,035 and \$1,311, respectively, in the third quarter of fiscal 2016. Higher ounces of gold sold at both El Valle and Don Mario positively impacted both COC and AISC. <sup>(2)</sup>
- Net revenue of \$91.8 million for the first nine months of fiscal 2017, or 32% higher, compared with \$69.8 million for the first nine months of fiscal 2016, driven primarily by higher realized metal sales prices and higher gold and copper volumes sold.
- Mining costs of \$81.8 million for the first nine months of fiscal 2017, or 33% higher, compared with \$61.7 million for the first nine months of fiscal 2016 due to higher sales volumes as well as increases in mining costs at Don Mario for reagents and power required by the re-commissioned CIL circuit and increases at El Valle in respect of contract mining costs at Carlés, labour increases at Boinás and increased materials costs for ground support and maintenance.
- Net loss for the first nine months of fiscal 2017 of \$13.8 million compared with \$6.9 million for the first nine months of fiscal 2016.
- EBITDA for the first nine months of fiscal 2017 of \$6.2 million compared with \$3.5 million for the first nine months of fiscal 2016.
- Cash flows provided by operating activities of \$8.4 million in the first nine months of fiscal 2017, compared with \$3.2 million in the first nine months of fiscal 2016 and cash flows provided by operating activities before changes in non-cash working capital of \$3.3 million in the first nine months of fiscal 2017, compared with \$4.0 million in the first nine months of fiscal 2016. <sup>(2)</sup>

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<sup>(2)</sup> EBITDA, cash flows provided by operating activities before non-cash working capital, COC, and AISC are non-IFRS performance measures. The Company believes that, in addition to conventional measures prepared in accordance with IFRS, the Company and certain investors use this information to evaluate the Company's performance including the Company's ability to generate cash flows from its mining operations. Accordingly, it is intended to provide additional information and should not be considered in isolation or as substitutes for measures of performance prepared in accordance with IFRS. For further information and detailed reconciliations, please see the "Other Information - Non-IFRS Measures" section of this MD&A.

- Capital expenditures of \$15.5 million in the first nine months of fiscal 2017 compared with \$9.6 million in the first nine months of fiscal 2016.
- COC and AISC on a by-product basis (net of copper and silver by-product revenue from El Valle and Don Mario) per ounce of gold sold in the first nine months of fiscal 2017 of \$1,071 and \$1,330, respectively, compared with COC and AISC (by-product) of \$1,045 and \$1,344, respectively, in the first nine months of fiscal 2016. The impact of higher mining costs and higher planned capital expenditures on COC and AISC were partially offset by higher volumes of gold sold and by-product revenues. <sup>(3)</sup>

## **Growth Initiatives Highlights**

### El Valle

- Ore production from Carlés has ramped up significantly since the receipt of the required amendment to the relevant explosives permit in February 2017. The Company expects that increased ore production from Carlés will continue through August 2017. As an opportunity to expand the Carlés Mine in the future, the Company is completing infill drilling in Carlés NW through the end of July 2017 and will evaluate results once finalized. At the present time, mining activities are not expected to continue at the Carlés Mine beyond the fourth quarter of fiscal 2017.

### Don Mario

- The completed CIL Project may provide the Company with economic opportunities for processing additional sources of material at Don Mario. In recent months, the Company has been re-evaluating the economic potential of its existing mineral stockpile. Initial testing results have yielded positive indications, and the Company expects to complete larger scale tests in the coming months. The Company has also commenced an evaluation of re-processing tailings to determine the viability of recovering gold from material deposited in the tailings impoundment since the commencement of production at Don Mario.
- Subsequent to quarter end, Don Mario finalized a mine plan for Cerro Felix, a satellite mineral deposit located 500 metres from the LMZ, and expects to begin pre-stripping activities beginning in the first quarter of fiscal 2018.
- In support of the above mining activities, the Company closed debt financing in the aggregate amount of \$11.3 million from BISA during the third quarter of fiscal 2017. The primary use of proceeds is towards construction of a major tailing storage facility expansion, which is expected to be able to support up to three years of operations beyond Q2 2018.

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<sup>(3)</sup> COC and AISC are non-IFRS performance measures. The Company believes that, in addition to conventional measures prepared in accordance with IFRS, the Company and certain investors use this information to evaluate the Company's performance including the Company's ability to generate cash flows from its mining operations. Accordingly, it is intended to provide additional information and should not be considered in isolation or as substitutes for measures of performance prepared in accordance with IFRS. For further information and detailed reconciliations, please see the "Other Information - Non-IFRS Measures" section of this MD&A.

## Outlook

The Company continues to pursue its initiatives at El Valle and Don Mario on an accelerated basis in order to meet its objectives of optimizing production, lowering unitary cash costs, maximizing free cash flow, extending the life-of-mine of its operations and growing its operations to deliver shareholder value.

At El Valle, supported by recent capital infrastructure and development investments, the Company achieved its target of a sustained mill throughput rate of over 2,000 tonnes per day. Increased access to higher gold grade oxide ore fronts at the El Valle Mine and full production from the Carlés Mine has allowed El Valle to improve its gold production and lower its unitary cash costs through the third quarter of fiscal 2017. Next steps at El Valle include continuing to improve access to oxide ore fronts in the El Valle Mine, adding greater flexibility to the mine's production activities as well as continued geotechnical and planning improvements to further de-risk the mine plan. Enhanced grade control is expected going forward by reducing the amount of inferred resources included in the near-term mine plan. The Company expects to increase the proportion of higher gold grade oxide ore processed in the plant in order to continue to increase gold ounces produced beyond fiscal 2017. It is anticipated that this strategy will also positively impact El Valle's unitary costs.

At Don Mario, the Company successfully re-commissioned the CIL circuit and completed its first full quarter of commercial production of gold-silver doré. During the third quarter of fiscal 2017, gold recoveries exceeded the targeted rate of 80% to reach an average of 89.3%, up from previous average recoveries of 55% from the flotation process. As a result, gold production has improved to its highest levels since fiscal 2009. Unitary costs are expected to continue to be positively impacted through the remainder of fiscal 2017 as increased gold production is realized from the CIL circuit. Don Mario is poised to realize its known opportunities for mine life extension. The Company expects to commence pre-stripping activities at Cerro Felix in the first quarter of fiscal 2018, and intends to transition its mine production to this satellite deposit following the depletion of the Lower Mineralized Zone, expected in mid-fiscal 2018.

The Company is on track to meet its fiscal 2017 production and cost guidance. The following table sets out the results of Orvana's first nine months of fiscal 2017 as well as its fiscal 2017 production and cost guidance:

	YTD 2017 Actual	FY 2017 Guidance
<b>El Valle Production</b>		
Gold (oz)	36,345	50,000 – 55,000
Copper (million lbs)	4.2	6.0 – 6.5
Silver (oz)	136,083	170,000 – 200,000
<b>Don Mario Production</b>		
Gold (oz)	26,281	35,000 – 40,000
Copper (million lbs)	6.1	7.0 – 7.5
Silver (oz)	114,260	130,000 – 150,000
<b>Total Production</b>		
Gold (oz)	62,626	85,000 – 95,000
Copper (million lbs)	10.3	13.0 – 14.0
Silver (oz)	250,343	300,000 – 350,000
Total capital expenditures	\$15,514	\$27,000 – \$30,000
Cash operating costs (by-product) (\$/oz) gold <sup>(1)</sup>	\$1,071	\$1,050 – \$1,150
All-in sustaining costs (by-product) (\$/oz) gold <sup>(1)</sup>	\$1,330	\$1,300 – \$1,400

(1) FY 2017 guidance assumptions for COC and AISC include by-product commodity prices of \$2.00 per pound of copper and \$18.00 per ounce of silver and an average Euro to US Dollar exchange of 1.12.

## Overall Performance

The key factors affecting Orvana's operating and financial performance are tonnages mined and treated, metal grade and recoveries, quantities of metals produced and sold, realized metals prices, costs (including labour, energy and other supplies and material), mine development and other capital expenditures, foreign exchange rates and tax rates.

### Third Quarter Ended June 30, 2017 Compared with Third Quarter Ended June 30, 2016

The Company recorded a net loss of \$3.4 million or \$0.03 per share for the third quarter of fiscal 2017 compared with \$1.2 million or \$0.01 per share for the third quarter of fiscal 2016. The Company's net loss was impacted significantly by the following factors:

- Revenue for the third quarter of fiscal 2017 increased by \$10.6 million or 41% to \$36.7 million on sales of 24,287 ounces of gold, 4.2 million pounds of copper and 77,173 ounces of silver from El Valle and Don Mario compared with revenue of \$26.0 million on sales of 16,496 ounces of gold, 3.9 million pounds of copper and 111,949 ounces of silver in the third quarter of fiscal 2016. The increase in revenue was primarily due to higher gold and copper sales volumes and realized metal prices.
- Mining costs were \$31.2 million or \$9.4 million higher for the third quarter of fiscal 2017 compared with \$21.8 million for the third quarter of fiscal 2016, primarily due to higher gold sales volumes, as well as higher mining costs at El Valle in respect of labour increases, contract mining costs at Carlés and increased ground support and maintenance costs, and at Don Mario as a result of increased reagent and power costs required by the re-commissioned CIL circuit.
- Gross margin decreased by \$2.3 million to negative \$1.9 million for the third quarter of fiscal 2017 compared with \$0.4 million for the third quarter of fiscal 2016.
- EBITDA increased by \$2.3 million to \$4.8 million for the third quarter of fiscal 2017 compared with \$2.5 million for the third quarter of fiscal 2016.

Total consolidated COC (by-product) of \$1,032 per ounce of gold sold in the third quarter of fiscal 2017 were \$3 lower than the third quarter of fiscal 2016. Total AISC (by-product) of \$1,199 per ounce of gold sold in the third quarter of fiscal 2017 were \$112 or 9% lower than in the third quarter of fiscal 2016. Higher consolidated ounces of gold sold as well as lower capital expenditures and corporate costs positively impacted AISC.

### First Nine Months Ended June 30, 2017 Compared with First Nine Months Ended June 30, 2016

The Company recorded a net loss of \$13.8 million for the first nine months of fiscal 2017 or \$0.10 per share compared with \$6.9 million for the first nine months of fiscal 2016 or \$0.05 per share. The Company's net loss was impacted significantly by the following factors:

- Revenue for the first nine months of fiscal 2017 increased by \$22.0 million or 32% to \$91.8 million on sales of 58,997 ounces of gold, 10.8 million pounds of copper and 290,240 ounces of silver from El Valle and Don Mario compared with revenue of \$69.8 million on sales of 47,111 ounces of gold, 10.1 million pounds of copper and 373,327 ounces of silver in the first nine months of fiscal 2016. The increase in revenue was primarily due to higher gold and copper sales volumes and higher realized metal prices.
- Mining costs were \$81.8 million or \$20.1 million higher for the first nine months of fiscal 2017 compared with \$61.7 million for the first nine months of fiscal 2016, due to higher sales volumes as well as increases in mining costs at Don Mario for reagents and power required by the re-commissioned CIL circuit and increases at El Valle in respect of contract mining costs at Carlés, labour increases and increased materials costs for ground support and maintenance.
- Gross margin decreased by \$4.5 million to negative \$8.8 million for the first nine months of fiscal 2017 compared with negative \$4.3 million for the first nine months of fiscal 2016.
- EBITDA increased by \$2.8 million to \$6.2 million for the first nine months of fiscal 2017 compared with \$3.5 million for the first nine months of fiscal 2016.

Total consolidated COC (by-product) of \$1,071 per ounce of gold sold in the first nine months of fiscal 2017 were \$26 or 2% higher than the first nine months of fiscal 2016. Total AISC (by-product) of \$1,330 per

ounce of gold sold in the first nine months of fiscal 2017 were \$14 or 1% lower than in the first nine months of fiscal 2016. COC and AISC were positively impacted by the increase in gold ounces sold, offset by higher mining costs in respect of COC, and higher sustaining capital expenditures in respect of AISC.

#### Third Quarter Ended June 30, 2017 Compared with Second Quarter Ended March 31, 2017

The Company recorded a net loss of \$3.4 million or \$0.03 per share for the third quarter of fiscal 2017 compared with \$2.2 million or \$0.02 per share for the second quarter of fiscal 2017. The Company's net loss was impacted significantly by the following factors:

- Revenue for the third quarter of fiscal 2017 increased by \$5.0 million or 16% to \$36.7 million on sales of 24,287 ounces of gold, 4.2 million pounds of copper and 77,173 ounces of silver from El Valle and Don Mario compared with revenue of \$31.7 million on sales of 20,733 ounces of gold, 3.0 million pounds of copper and 87,441 ounces of silver in the second quarter of fiscal 2017. The increase in revenue was primarily due to higher gold and copper sales volumes and higher realized gold prices.
- Mining costs were \$31.2 million or \$4.9 million higher for the third quarter of fiscal 2017 compared with \$26.3 million for the second quarter of fiscal 2017, primarily due to higher gold sales volumes, as well as higher mining costs at Don Mario as a result of increased reagent and power costs required by the re-commissioned CIL circuit.
- Gross margin decreased by \$1.9 million to negative \$1.9 million for the third quarter of fiscal 2017 compared with \$8,000 for the second quarter of fiscal 2017.
- EBITDA remained consistent at \$4.8 million for the third quarter of fiscal 2017 and the second quarter of fiscal 2017.

Total consolidated COC (by-product) of \$1,032 per ounce of gold sold in the third quarter of fiscal 2017 were \$39 or 4% higher than the second quarter of fiscal 2017. Total AISC (by-product) of \$1,199 per ounce of gold sold in the third quarter of fiscal 2017 were \$15 or 1% lower than in the second quarter of fiscal 2017. Higher consolidated ounces of gold sold positively impacted COC and AISC, but were offset by higher mining costs in respect of COC. Lower capital expenditures provided additional benefit to AISC.

## El Valle

Through its wholly-owned subsidiary, OroValle Minerals S.L. ("OroValle"), the Company owns and operates the El Valle and Carlés mines located in the Rio Narcea Gold Belt in northern Spain, where skarns and oxides are being mined underground. El Valle and Carlés commenced commercial production in August 2011. At the end of February 2015, Carlés was placed on care and maintenance. As a result of the beneficial gold price and foreign exchange environment experienced through fiscal 2016, the Company performed an economic review of Carlés and, based on the results of this review, restarted mining activities on a short-term basis beginning in September 2016.

The following table includes consolidated operating and financial performance data for El Valle for the periods set out below.

	Q3 2017	Q2 2017	Q3 2016	YTD 2017	YTD 2016
<b>Operating Performance</b>					
Ore mined (tonnes) (wmt)	201,987	177,572	116,649	549,583	353,591
Ore milled (tonnes) (dmt)	197,469	157,621	107,452	517,211	332,803
Daily average throughput (dmt)	2,284	1,844	1,181	1,994	1,154
<i>Gold</i>					
Grade (g/t)	2.35	2.60	3.01	2.39	3.54
Recovery (%)	91.9	90.4	94.3	91.6	93.8
Production (oz)	13,705	11,917	9,806	36,345	35,474
Sales (oz)	11,929	12,218	9,665	32,975	34,188
<i>Copper</i>					
Grade (%)	0.53	0.58	0.62	0.49	0.55
Recovery (%)	80.2	74.1	77.4	74.9	74.0
Production ('000 lbs)	1,857	1,503	1,138	4,207	3,013
Sales ('000 lbs)	1,657	1,441	1,035	3,889	3,029
<i>Silver</i>					
Grade (g/t)	11.69	13.49	12.96	10.97	12.74
Recovery (%)	75.0	74.7	80.0	74.5	79.5
Production (oz)	55,682	51,080	35,810	136,083	108,188
Sales (oz)	52,095	46,892	32,804	126,298	108,951
<b>Financial Performance</b> (in 000's, except per share amounts)					
Revenue	\$17,491	\$17,435	\$14,180	\$46,904	\$45,106
Mining costs	\$17,935	\$17,232	\$13,575	\$50,984	\$40,649
Loss before tax	(\$5,810)	(\$3,456)	(\$2,592)	(\$17,142)	(\$5,343)
Capital expenditures <sup>(1)</sup>	\$1,994	\$2,253	\$2,123	\$7,672	\$5,193
Cash operating costs (by-product) (\$/oz) gold <sup>(2)</sup>	\$1,288	\$1,215	\$1,249	\$1,355	\$1,075
All-in sustaining costs (by-product) (\$/oz) gold <sup>(2)</sup>	\$1,546	\$1,484	\$1,591	\$1,682	\$1,322
All-in costs (by-product) (\$/oz) gold <sup>(2)</sup>	\$1,546	\$1,484	\$1,591	\$1,682	\$1,322

(1) See "Cash Flows, Commitments and Liquidity - Capital Expenditures" section of this MD&A.

(2) For further information and a detailed reconciliation of COC, AISC and AIC, please see the "Other Information - Non-IFRS Measures" section of this MD&A.

### El Valle Operating Performance

During the third quarter of fiscal 2017, El Valle produced 13,705 ounces of gold, 1.9 million pounds of copper and 55,682 ounces of silver compared with 11,917 ounces of gold, 1.5 million pounds of copper and 51,080 ounces of silver during the second quarter of fiscal 2017 and 9,806 ounces of gold, 1.1 million pounds of copper and 35,810 ounces of silver in the third quarter of fiscal 2016.

Gold, copper and silver production increased by 15%, 24% and 9% compared with the second quarter of fiscal 2017. A 25% increase in ore tonnes milled as well as improvements in gold and copper recoveries drove the increased production during the third quarter, offset by lower head grades delivered to the mill.

Compared to the third quarter of fiscal 2016, gold, copper and silver production increased by 40%, 63% and 55%, respectively, in the third quarter of fiscal 2017. Increases were primarily driven by an 84% increase in ore tonnes milled, partially offset by lower head grades.

During the third quarter of fiscal 2017, and supported by recent planned capital investments in infrastructure, equipment and development, the El Valle Mine maintained its mine productivity gains achieved in skarn areas, and continued to improve mining rates in oxide areas by 44% compared to the second quarter of fiscal 2017. At the Carlés Mine, production improved by 35% compared to the second quarter of fiscal 2017, subsequent to the receipt of the required explosives permit in February 2017 required to advance Carlés mine production to planned levels. The continued improvement in mining rates at both mines allowed El Valle to provide sufficient ore feed to its plant, exceeding the nameplate processing capacity of 2,000 tpd during the third quarter of fiscal 2017.

El Valle continues its focus on improving average mine grades and gold production through the gradual increase of mined higher gold grade oxide ore tonnes relative to skarn ore. This is expected to be supported by the gains realized in development and backfill rates, allowing for access to a greater number of oxide faecs as was partially realized during the third quarter. Going forward, El Valle also expects to further increase mine production flexibility and grade control by significantly reducing the proportion of inferred ore material in its mine planning.

Water management and power infrastructure projects required to improve productivity and de-risk mine planning continued to advance through the third quarter of fiscal 2017. The permanent replacement power line under construction at El Valle is expected to be completed during the first quarter of fiscal 2018.

#### El Valle Financial Performance

Revenue from El Valle for the third quarter of fiscal 2017 increased by 23% to \$17.5 million on sales of 11,929 ounces of gold, 1.7 million pounds of copper and 52,095 ounces of silver from \$14.2 million in the third quarter of fiscal 2016 on sales of 9,665 ounces of gold, 1.0 million pounds of copper and 32,804 ounces of silver as a result of higher metal volumes sold as well as higher realized metal prices.

Mining costs increased by 32% from \$13.6 million in the third quarter of fiscal 2016 to \$17.9 million in the third quarter of fiscal 2017 primarily due to contract mining costs at Carlés, additional labour and higher maintenance and ground support material costs.

Loss before tax for the third quarter of fiscal 2017 was \$5.8 million compared with \$2.6 million in the third quarter of fiscal 2016.

Total capital expenditures at El Valle during the third quarter of fiscal 2017 were \$2.0 million compared with \$2.1 million for the third quarter of fiscal 2016. Capital expenditures in the third quarter of fiscal 2017 consisted substantially of primary development, mining infrastructure and machinery. Refer to the "Financial Condition Review - Capital Expenditures" section of this MD&A.

Total COC (by-product) of \$1,288 per ounce of gold sold in the third quarter of fiscal 2017 were \$39 or 3% higher than in the third quarter of fiscal 2016. Total AISC (by-product) of \$1,546 per ounce of gold sold in the third quarter of fiscal 2017 were \$45 or 3% lower than in the third quarter of fiscal 2016. COC was positively impacted by higher gold ounces sold, but offset by higher mining costs, while AISC benefitted from lower general and administrative costs and capital expenditures in the third quarter of fiscal 2017.

#### El Valle Growth Exploration

Infill drilling undertaken during the first quarter of fiscal 2017 brought the total targeted ore tonnage at Carlés Mine to approximately 123,000 tonnes at an average gold grade of approximately 2.6 g/t, which El Valle expects to fully mine by August 2017. As an opportunity to extend the future life of the Carlés Mine, the Company is completing infill drilling in Carlés NW through the end of July 2017 and will evaluate results once finalized. At the present time, mining activities are not expected to continue at the Carlés Mine beyond the fourth quarter of fiscal 2017.

Additionally, 6,511 meters of infill definition diamond drilling was completed through the third quarter of fiscal 2017 at the El Valle Mine, primarily targeting the Boinás East, Black Skarn, and A107 zones.

Greenfield exploration continues on the Company's Quintana and Lidia investigation permits in the immediate vicinity of the El Valle Mine.

## Don Mario

Through its wholly-owned subsidiary, Empresa Minera Paititi S.A. (“EMIPA”), the Company owns and operates the Don Mario Mine located in south-eastern Bolivia. Fiscal 2009 marked the last year of six years of production from the Company’s LMZ underground gold mine at Don Mario with some gold production from lower-grade open pit satellite deposits and lower grade stockpiles continuing into fiscal 2010 and 2011. Over 420,000 ounces of gold was produced from the LMZ with an average recovery of over 80% from the associated CIL plant. From 2012 to the end of 2016, EMIPA had mined the Upper Mineralized Zone (“UMZ”) as an open-pit mine and in 2016 EMIPA commenced mining of new material at the upper extension of the LMZ as an open-pit mine. EMIPA is currently focused on processing the higher grade LMZ ore in its recently re-commissioned CIL circuit.

The following table includes operating and financial performance data for Don Mario for the periods set out below.

	Q3 2017	Q2 2017	Q3 2016	YTD 2017	YTD 2016
<b>Operating Performance</b>					
Ore mined (tonnes) (dmt)	<b>184,355</b>	162,246	175,080	<b>557,980</b>	506,502
Ore milled (tonnes) (dmt)	<b>166,370</b>	150,231	201,336	<b>495,081</b>	606,413
Daily average throughput (dmt)	<b>2,033</b>	1,911	2,393	<b>2,082</b>	2,459
Gold					
Grade (g/t)	<b>2.66</b>	2.50	1.65	<b>2.28</b>	1.41
Recovery (%)	<b>89.3</b>	71.1	58.5	<b>69.7</b>	56.0
Production (oz)	<b>12,709</b>	8,596	6,232	<b>26,281</b>	15,469
Sales (oz)	<b>12,358</b>	8,555	6,831	<b>26,022</b>	12,923
Copper					
Grade (%)	<b>0.79</b>	0.75	0.97	<b>0.97</b>	0.94
Recovery (%)	<b>68.3</b>	54.6	62.5	<b>58.7</b>	64.2
Production ('000 lbs)	<b>1,980</b>	1,364	2,695	<b>6,085</b>	8,091
Sales ('000 lbs)	<b>2,587</b>	1,591	2,844	<b>6,947</b>	7,042
Silver					
Grade (g/t)	<b>5.40</b>	5.48	15.97	<b>10.63</b>	20.85
Recovery (%)	<b>68.8</b>	58.2	74.2	<b>65.8</b>	72.7
Production (oz)	<b>19,896</b>	15,405	76,697	<b>114,260</b>	295,157
Sales (oz)	<b>25,078</b>	40,549	79,145	<b>163,942</b>	264,376
<b>Financial Performance</b> (in 000's, except per share amounts)					
Revenue	<b>\$19,180</b>	\$14,279	\$11,850	<b>\$44,939</b>	\$24,700
Mining costs	<b>\$13,245</b>	\$9,040	\$8,234	<b>\$30,824</b>	\$21,011
Income (loss) before tax	<b>\$3,286</b>	\$3,082	\$2,411	<b>\$5,480</b>	(\$371)
Capital expenditures	<b>\$371</b>	\$1,472	\$609	<b>\$6,598</b>	\$4,073
Cash operating costs (by-product) (\$/oz) gold <sup>(1)</sup>	<b>\$784</b>	\$676	\$734	<b>\$712</b>	\$644
All-in sustaining costs (by-product) (\$/oz) gold <sup>(1)</sup>	<b>\$844</b>	\$836	\$869	<b>\$881</b>	\$1,067
All-in costs (by-product) (\$/oz) gold <sup>(1)</sup>	<b>\$866</b>	\$912	\$914	<b>\$1,035</b>	\$1,111

(1) For further information and a detailed reconciliation of COC, AISC and AIC, please see the “Other Information - Non-IFRS Measures” section of this MD&A.

### Don Mario Operating Performance

During the third quarter of 2017, 12,709 ounces of gold, 2.0 million pounds of copper and 19,896 ounces of silver were produced at Don Mario compared with 8,596 ounces of gold, 1.4 million pounds of copper and 15,405 ounces of silver in the second quarter of fiscal 2017 and 6,232 ounces of gold, 2.7 million pounds of copper and 76,697 ounces of silver in the third quarter of fiscal 2016.

Gold, copper and silver production increased by 48%, 45%, and 29%, respectively, compared with the second quarter of fiscal 2017. Higher recoveries in the third quarter for all metals due to a stabilized CIL process, as well as higher mill throughput supported the production increases.

Compared with the third quarter of fiscal 2016, gold production increased by 104% while copper and silver production decreased by 27% and 74%, respectively, in the third quarter of fiscal 2017. Higher gold

production was due to 61% higher gold grades and a 53% increase in gold recoveries, while copper and silver production were negatively affected by lower grades of 19% and 66%, respectively.

#### Don Mario Financial Performance

During the third quarter of fiscal 2017, revenue from Don Mario increased by 62% from \$11.9 million in the third quarter of fiscal 2016 to \$19.2 million on sales of 12,358 ounces of gold, 2.6 million pounds of copper and 25,078 ounces of silver in the third quarter of fiscal 2017 compared with sales of 6,831 ounces of gold, 2.8 million pounds of copper and 79,145 ounces of silver.

Mining costs of \$13.2 million for the third quarter of fiscal 2017 increased by \$5.0 million or 61% compared with \$8.2 million during the third quarter of 2016 primarily due to the higher volume of sales as well as increases in reagent and power costs in respect of the re-commissioned CIL circuit.

Income before tax for the third quarter of fiscal 2017 was \$3.3 million compared with \$2.4 million for the third quarter of fiscal 2016.

Total capital expenditures at Don Mario during the third quarter of fiscal 2017 were \$0.4 million compared with \$0.6 million in the third quarter of fiscal 2016. Capital expenditures in the third quarter of fiscal 2017 related primarily to the remaining costs of re-commissioning of the CIL Project.

For the third quarter of fiscal 2017, COC (by-product) were \$784 per ounce of gold or 7% higher compared to the third quarter of fiscal 2016. Total AISC (by-product) were \$844 per ounce of gold or 3% lower compared to the third quarter of fiscal 2016. The increase in COC was primarily driven by increases in mining costs related to the CIL circuit as described above, while a decrease in general and administrative costs and higher gold ounces sold resulted in the decrease to AISC.

#### Don Mario Exploration and Mine Life Extension

As described above, the Company began mining the upper extension of the LMZ in the second quarter of fiscal 2016, and the LMZ continues to be Don Mario's primary source of ore through fiscal 2017. Historically, ore previously mined from the LMZ was processed through a cyanide-in-leach circuit, realizing gold recoveries of over 80%. During the first quarter of full production from the re-commissioned CIL circuit, the Company exceeded its target of 80%, averaging a gold recovery of 89.3% over the third quarter of fiscal 2017. As a result, gold production at Don Mario has reached its highest levels since fiscal 2009, and Don Mario is poised to realize its known opportunities for mine life extension.

A mine plan for the Company's Cerro Felix deposit, located 500 meters from the current operations at Don Mario, was completed subsequent to the third quarter of fiscal 2017. In the near term, the Company expects to commence pre-stripping activities at Cerro Felix in the first quarter of fiscal 2018, and intends to transition its mine production to this satellite deposit following the depletion of the Lower Mineralized Zone, expected in mid-fiscal 2018. Mined ore from Cerro Felix is expected to benefit from the re-commissioning of the CIL circuit due to its higher estimated gold grades and demonstrated amenability to CIL processing.

In recent months, the Company has been re-evaluating the economic potential of processing existing mineral stockpiles, including the oxide material previously treated through the leach-precipitation-flotation process. Initial testing results have yielded positive indications, and the Company expects to conclude larger scale tests in the coming months. As at September 30, 2016, EMIPA had oxide stockpile mineral resources of approximately 2.2 million tonnes with an average gold grade of 1.84 g/t. The Company has also commenced an evaluation of reprocessing of tailings, to determine the viability of recovering gold from the material deposited in the tailings impoundment since the commencement of production at Don Mario. Exploration on the Company's Las Tojas satellite deposit is also planned, with a new drilling campaign expected to be completed in the following months.

In support of the mine life extension projects described above, the Company has concluded that the construction of a major tailings storage facility expansion is required to add sufficient capacity of up to three years of operations beyond Q2 2018. The Company engaged Amec Foster Wheeler ("AMEC") to evaluate alternatives, provide design parameters and engineer this project. As a result, AMEC developed a capital cost estimate of \$9.7 million within 10% accuracy, including owner's costs and 10% contingency. Execution of the construction project commenced subsequent to the third quarter of fiscal 2017, in order to take advantage of the favorable dry season in Bolivia, with expected completion in Q2 2018. Financing for the

major tailings storage facility expansion project was obtained during the third quarter of fiscal 2017, when the Company successfully closed a \$8.3 million BISA term facility.

## Market Review and Trends

### Metal Prices

The market prices of gold and copper are primary drivers of Orvana's earnings and ability to generate free cash flows. During the third quarter of fiscal 2017, gold traded in a range from \$1,220 to \$1,292 per ounce and an average market price of \$1,257 per ounce compared with \$1,259 per ounce in the third quarter of fiscal 2016. Orvana's average gold realized price for the third quarter of fiscal 2017 was \$1,262 per ounce, as compared to \$1,258 per ounce in the third quarter of fiscal 2016. The Company derived approximately 69% of its revenue from sales of gold in the third quarter of fiscal 2017.

Copper prices during the third quarter of fiscal 2017 traded in a range of \$2.48 to \$2.68 per pound with an average price of \$2.57 per pound compared with \$2.15 per pound in the third quarter of fiscal 2016. Orvana's average copper realized price for the third quarter of fiscal 2017 was \$2.45 per pound. The Company derived approximately 27% of its revenue from sales of copper in the third quarter of fiscal 2017.

In the third quarter of fiscal 2017, silver prices traded in a range from \$16.22 per ounce to \$18.56 per ounce with an average price of \$17.21 per ounce compared with \$16.78 during the same period in fiscal 2016. Orvana's average silver realized price for the third quarter of fiscal 2017 was \$17.25 per ounce. The Company derived approximately 4% of its revenue from sales of silver in the third quarter of fiscal 2017.

### Currency Exchange Rates

The results of Orvana's operations are affected by US dollar exchange rates. Orvana's largest exposure is to the Euro/US Dollar exchange rate. The Company incurs operating and administration costs at El Valle in Euros, while revenue is denominated in US dollars. Orvana's Euro costs fell year over year, with the Euro to US Dollar exchange rate moving from an average of 1.13 in the third quarter of fiscal 2016 to 1.10 in the third quarter of fiscal 2017. As a result of foreign exchange movements, mining costs at El Valle were lower by approximately \$0.5 million in the third quarter of fiscal 2017 compared with the third quarter of fiscal 2016.

Orvana also has a minor exposure to the Canadian dollar and the Swedish krona through corporate administration costs. Orvana's exposure to the US Dollar to Bolivianos exchange rate is limited as this exchange rate has not fluctuated significantly during previous reporting periods.

## FINANCIAL CONDITION REVIEW

### Balance Sheet Review

The following table provides a comparison of key elements of Orvana's balance sheet at June 30, 2017 and September 30, 2016.

<i>(in 000's)</i>	<b>June 30, 2017</b>	<b>September 30, 2016</b>
Cash and cash equivalents	<b>\$18,504</b>	\$18,939
Restricted cash (short term)	<b>\$1,019</b>	\$2,092
Non-cash working capital <sup>(1)</sup>	<b>(\$570)</b>	\$4,328
Total assets	<b>\$171,429</b>	\$174,262
Total liabilities	<b>\$81,110</b>	\$70,151
Shareholders' equity	<b>\$90,319</b>	\$104,111

(1) Working capital represents current assets of \$53.0 million less cash and cash equivalents and short-term restricted cash totaling \$19.5 million and less \$34.0 million in current liabilities composed of accounts payable and accrued liabilities, income taxes payable and derivative instruments (not including current debt).

Total assets decreased by \$2.8 million from \$174.3 million to \$171.4 million primarily as a result of the decrease in (i) property, plant and equipment of \$4.6 million as a result of depreciation, (ii) VAT receivable collections of \$1.2 million, (iii) net restricted cash movements of \$1.1 million and (iv) the collection of the deferred payment on the Copperwood divestiture of \$1.25 million, offset by increases in (v) inventory of \$5.3 million.

Short-term restricted cash as at June 30, 2017 was \$1.0 million (September 30, 2016 – \$2.1 million), consisting of guarantees on VAT credit notes which expire after 120 days and which are pending the final approval and audit of these credit notes by the Bolivian government.

Total liabilities increased by \$11.0 million or 16% to \$81.1 million at June 30, 2017 from \$70.2 million at September 30, 2016 primarily as a result of an increase of accounts payable and accrued liabilities of \$5.4 million and the additional drawdown of the Prepayment Facility of \$4.5 million.

#### *BISA CIL Loan*

In May 2016, EMIPA closed a \$7.9 million loan with BISA (the “BISA CIL Loan”), the proceeds of which were used for the re-commissioning of the CIL circuit. Under the terms of the BISA CIL Loan, five disbursements of specified amounts were drawn down by EMIPA as expenditures were incurred for the CIL Project. The BISA CIL Loan matures in September 2017 and has an interest rate of 6% per annum, with ten monthly principal repayments that began in December 2016. Security includes the CIL asset and other equipment at Don Mario for the term of the BISA CIL Loan. As of June 30, 2017, all planned disbursements were made available and principal repayments of \$5.1 million were made against the BISA CIL Loan.

#### *BISA TSF Loan and Revolving Facility*

In June 2017, EMIPA closed \$11.3 million of debt facilities with BISA, comprised of an \$8.3 million term facility (the “BISA TSF Loan”) and a \$3.0 million revolving working capital facility.

The proceeds of the BISA TSF Loan will be primarily used to fund a major tailings storage facility expansion project that will add sufficient capacity to support future operations. Under the terms of the BISA TSF Loan, seven disbursements of specified amounts will be drawn down as expenditures are incurred for the tailings storage facility expansion, with the first draw down occurring on June 30, 2017. The BISA TSF Loan matures in January 2021 and has an interest rate of 5.3% per annum, with twelve repayments beginning in April 2018.

The revolving working capital facility of up to \$3.0 million can be drawn down in the form of cash of up to \$2.0 million, bank guarantees of \$3.0 million or a combination of the two up to the limit of \$3.0 million. The revolving working capital facility is renewable every six months until November 2020 and interest will be determined at the date of drawdown and is dependent on the form of the drawdown.

Security for both the BISA TSF Loan and the revolving working capital facility include certain assets at Don Mario.

#### *Samsung C&T Prepayment Facility*

In August 2016, the Company entered into a \$12.5 million copper concentrates and gold doré prepayment agreement (“Prepayment Facility”) with Samsung C&T U.K. Ltd. (“Samsung C&T”), the proceeds of which are being invested at El Valle for its ongoing development activities and infrastructure projects.

Under the terms of the Prepayment Facility, Orvana is selling gold doré from its El Valle Mine in Spain and copper concentrate from its Don Mario Mine in Bolivia to Samsung C&T, on an exclusive basis for a period of thirty months. In exchange, Orvana receives \$12.5 million in prepayment financing from Samsung C&T in two instalments. The first instalment of \$8.0 million was drawn on closing and will be repaid beginning in September 2017 in eighteen equal monthly payments. The second instalment of \$4.5 million was drawn down in February 2017 and will be repaid beginning December 2017 in nine equal monthly payments. The Prepayment Facility bears interest at USD 3M LIBOR plus 4.5%. Interest payments and principal repayments under the terms of the Prepayment Facility are made against Orvana's on-going shipments of copper concentrates and/or gold doré. Samsung C&T has agreed to pay for copper concentrates and gold doré at a price based on the prevailing metal prices for the gold, silver and copper content around time of shipment, less customary treatment, refining and shipping charges, and pursuant to the terms of the Prepayment Facility.

The Company's obligations to Samsung C&T under the Prepayment Facility are secured by the pledge to Samsung C&T of all of Orvana's shares of OroValle, which owns the El Valle and Carlés Mines in Spain.

## Shareholders' Equity

Shareholders' equity at June 30, 2017 decreased by 13% to \$90.3 million compared with \$104.1 million at September 30, 2016. The table below sets out the number of each class of securities of the Company outstanding at June 30, 2017 and as at the date hereof.

	<b>At June 30, 2017</b>
Common Shares	136,623,171
Warrants <sup>(1)</sup>	600,000
Options <sup>(2)</sup>	1,557,778

(1) All of the outstanding warrants are held by Fabulosa. Warrants were issued in connection with amendments to the Fabulosa Loan in 2013 and 2014 as follows: i) warrants to purchase 500,000 Common Shares were issued on August 22, 2013 with an exercise price of C\$0.49 until August 22, 2018, and ii) warrants to purchase 100,000 Common Shares were issued on July 11, 2014 at an exercise price of C\$0.54 until July 11, 2019.

(2) The options have a weighted average exercise price of \$0.41 and expiry dates ranging from 2017 to 2021.

## Derivative Instruments

The Company had the following derivative instruments outstanding as at June 30, 2017:

	<b>Contract Prices</b>	<b>Cash Settlement</b>	<b>Contract Amounts</b>
<b>Copper</b>			
Copper forwards (Jul 2017 – Sep 2017)	\$4,850 / tonne	Monthly	150 tonnes
<b>Gold</b>			
Gold forwards (Jul 2017 – Sep 2017)	\$1,275 / troy oz	Monthly	14,400 troy oz

The Company paid net cash proceeds of \$320 during the third quarter of fiscal 2017 in settlement of the derivative instruments that matured in the period.

As at June 30, 2017, the Company's outstanding derivative instruments were valued on the balance sheet as follows:

	<b>Spot Price</b>	<b>Contract Price</b>	<b>Avg. Forward Price</b>	<b>Fair Value</b>
<b>Derivative instrument assets</b>				
Gold forwards	\$1,243 / troy oz	\$1,275 / troy oz	\$1,244 / troy oz	\$440
Total fair value of derivative instrument assets				\$440
<b>Derivative instrument liabilities</b>				
Copper forwards	\$5,908 / tonne	\$4,850 / tonne	\$5,950 / tonne	\$165
Total fair value of derivative instrument liabilities				\$165
Total fair value of derivative instrument assets, net				\$275

Changes in the fair value of the Company's outstanding derivative instruments are recognized through the Company's income statement as non-cash derivative instrument gains or losses. At maturity of each contract, a cash settlement takes place resulting in a corresponding reduction in the carrying value of the derivative instruments. The mark-to-market fair value of the Company's outstanding derivative instruments is based on independently provided market rates and determined using standard valuation techniques, including the impact of counterparty credit risk.

The Company recorded fair value adjustments on its outstanding derivative instruments as follows:

<i>(in 000's)</i>	<b>Q3 2017</b>	<b>Q2 2017</b>	<b>Q3 2016</b>	<b>YTD 2017</b>	<b>YTD 2016</b>
Change in unrealized fair value	<b>\$844</b>	(\$222)	(\$204)	<b>\$335</b>	(\$204)
Realized gain (loss) on cash settlements of derivative instruments	<b>(320)</b>	(446)	(78)	<b>(201)</b>	(78)
Derivative instruments gain (loss)	<b>\$524</b>	(\$668)	(\$282)	<b>\$134</b>	(\$282)

## Capital Resources

At June 30, 2017, the Company had cash and cash equivalents of \$18.5 million and restricted cash of \$3.0 million. The Company considers its capital employed to consist of shareholders' equity (including share capital, contributed surplus and retained earnings) and total debt net of cash and cash equivalents as follows:

<i>(in 000's)</i>	<b>June 30, 2017</b>	<b>September 30, 2016</b>
Shareholders' equity	<b>\$90,319</b>	\$104,111
Revolving facilities	<b>1,905</b>	517
Capital leases	<b>1,598</b>	1,783
BISA facilities <sup>(1)</sup>	<b>3,728</b>	4,928
Prepayment Facility	<b>11,788</b>	6,825
	<b>\$109,338</b>	\$118,164
Less: Cash and cash equivalents	<b>(18,504)</b>	(18,939)
Capital employed	<b>\$90,834</b>	\$99,225

(1) The BISA facilities include the BISA CIL Loan and the BISA TSF Loan.

The Company's financial objective when managing capital is to ensure that it has the cash and debt capacity and financial flexibility to fund its ongoing business objectives including operating activities, investments and growth in order to provide returns for shareholders and benefits for other stakeholders. In order to maintain or adjust the capital structure, in addition to using cash flows from operating activities for this purpose, the Company may issue new shares or obtain additional debt. Through fiscal 2016, the Company obtained the \$7.9 million BISA CIL Loan and the \$12.5 million Prepayment Facility, and during fiscal 2017 the Company obtained the \$11.3 million BISA TSF Loan and revolving working capital facility. The Company continues to discuss and evaluate further financing opportunities with a number of Spanish banks at what the Company believes will be a competitive cost of capital, with the objectives of expanding OroValle's in-country banking relationships and securing access to greater liquidity.

The Company monitors its capital structure and makes adjustments according to market conditions in an effort to meet its objectives given the Company's operating and financial performance and current outlook for the business and industry in general. The Company's alternatives to fund future capital needs include cash flows from operating activities, debt or equity financing or adjustments to capital spending. The capital structure and these alternatives are reviewed by management and the board of directors of the Company on a regular basis to ensure the best mix of capital resources to meet the Company's needs.

The Company manages capital through its operating and financial budgeting and forecasting processes. The Company reviews its working capital and forecasts its future cash flows on a periodic basis, based on operating expenditures and other investing and financing activities. The forecast is regularly updated based on the results of El Valle and Don Mario. Information is regularly provided to the board of directors of the Company.

The Company's strategy during this period of commodity market uncertainty is to manage its existing capital and liquidity in a prudent fashion to sustain its ongoing capital projects at EMIPA and OroValle.

## Cash Flows, Commitments, Liquidity and Contingencies

### Cash Flows

Total cash and cash equivalents as at June 30, 2017 was \$18.5 million, primarily denominated in US dollars, representing a decrease of \$0.4 million from \$18.9 million at September 30, 2016. Short-term restricted cash was \$1.0 million at June 30, 2017 compared with \$2.1 million at September 30, 2016, and include \$1.0 million in guarantees on VAT credit notes which expire after 120 days and are pending the final approval and audit of these credit notes by the Bolivian government. The Company's total debt was \$17.4 million at June 30, 2017. This compares with total debt as at September 30, 2016 of \$12.3 million.

The following table summarizes the principal sources and uses of cash for the periods specified below:

<i>(in 000's)</i>	Q3 2017	Q2 2017	Q3 2016	YTD 2017	YTD 2016
Cash provided by operating activities before changes in non-cash working capital	<b>\$2,930</b>	\$3,683	\$3,223	<b>\$3,319</b>	\$4,013
Cash provided by operating activities	<b>7,769</b>	928	2,176	<b>8,398</b>	3,216
Cash provided by (used in) financing activities	<b>(1,019)</b>	4,418	986	<b>4,503</b>	1,479
Cash used in investing activities <sup>(1)</sup>	<b>(2,050)</b>	(579)	(6,164)	<b>(13,195)</b>	(9,906)
Change in cash	<b>\$4,700</b>	\$4,767	(\$3,002)	<b>(\$294)</b>	(\$5,211)

(2) These amounts are presented on a cash basis. Each reported period excludes unpaid capital expenditures incurred in the period which will be paid in subsequent periods and includes capital expenditures incurred in prior periods and paid for in the applicable reported period. See "Cash Flows, Commitments and Liquidity - Capital Expenditures".

Orvana's primary source of liquidity continues to be from operating cash flows. Cash flows provided by operating activities before changes in non-cash working capital were \$2.9 million for the third quarter of fiscal 2017 compared with \$3.2 million for the third quarter of fiscal 2016. Cash flows provided by operating activities were \$7.8 million for the third quarter of fiscal 2017 compared with \$2.2 million for the second quarter of fiscal 2016.

Significant drivers of the change in operating cash flow are production and realized gold and copper prices on sales. Future changes in the market price of gold and copper, either favourable or unfavourable, will continue to have a material impact on the Company's cash flows and liquidity. The principal uses of operating cash flows have been the funding of the Company's planned capital expenditures.

Cash used in financing activities was \$1.0 million in the third quarter of fiscal 2017 compared with cash provided by financing activities of \$1.0 in the third quarter of fiscal 2016, and is driven by the timing of drawdowns and repayments by the Company's debt facilities.

Cash used in investing activities was \$2.0 million in the third quarter of fiscal 2017 compared with \$6.2 million in the third quarter of fiscal 2016. Capital expenditures and movements in the Company's restricted cash and reclamation bond accounts drive the majority of cash flows used in investing activities. The receipt of a deferred payment from the Copperwood divestiture in 2014 also positively impacted cash flows used in investing activities in the third quarter of fiscal 2016.

#### Capital Expenditures

The following table sets forth Orvana's capital expenditures for the periods specified below for El Valle and Don Mario:

<i>(in 000's)</i>	Q3 2017	Q2 2017	Q3 2016	YTD 2017	YTD 2016
El Valle	<b>\$1,994</b>	\$2,253	\$2,123	<b>\$7,672</b>	\$5,193
Don Mario	<b>371</b>	1,472	609	<b>6,598</b>	4,073
Corporate	-	2	13	<b>2</b>	21
Sub-total capital expenditures	<b>\$2,365</b>	\$3,727	\$2,745	<b>\$14,272</b>	\$9,287
Accounts payable adjustments <sup>(1)</sup>	<b>929</b>	774	377	<b>1,242</b>	296
Total capital expenditures <sup>(1)</sup>	<b>\$3,294</b>	\$4,501	\$3,122	<b>\$15,514</b>	\$9,583

(1) These amounts are presented on a cash basis. Each reported period excludes unpaid capital expenditures incurred in the period which will be paid in subsequent periods and includes capital expenditures incurred in prior periods and paid for in the applicable reported period.

At El Valle, capital expenditures in fiscal 2017 consisted mainly of primary development, mining infrastructure improvements, including power, and mining equipment purchases. Significant capital expenditures at Don Mario included the annual tailings dam lift as well as the re-commissioning costs of the CIL Project at Don Mario.

The Company expects sustaining capital expenditures for fiscal 2017 to be in the range of \$27.0 to \$30.0 million. Refer to the "Outlook" section of the MD&A.

## Other Commitments

The Company's current contractual obligations are summarized in the following table:

<b>As at June 30, 2017</b>	<b>Payment Due by Period</b>				
	<b>Total</b>	<b>Less than 1 Year</b>	<b>1-3 Years</b>	<b>4-5 Years</b>	<b>After 5 Years</b>
<i>(in 000's)</i>					
BISA facilities <sup>(1)</sup>	<b>\$4,713</b>	\$3,810	\$903	-	-
Prepayment Facility	<b>\$12,500</b>	\$7,944	\$4,556	-	-
Operating leases	<b>\$3,139</b>	\$1,989	\$1,140	\$10	-
Finance leases	<b>\$1,598</b>	\$1,097	\$501	-	-
Decommissioning liabilities <sup>(2)</sup>	<b>\$23,264</b>	-	\$155	\$392	\$22,717
Reclamation bond <sup>(3)</sup>	<b>\$5,706</b>	\$5,706	-	-	-
Purchase obligations	<b>\$2,290</b>	\$2,290	-	-	-
Provision for statutory labour obligations <sup>(4)</sup>	<b>\$3,234</b>	-	\$3,234	-	-
Long-term compensation	<b>\$630</b>	\$113	\$230	-	\$287
<b>Total contractual obligations <sup>(5)</sup></b>	<b>\$57,074</b>	<b>\$22,949</b>	<b>\$10,719</b>	<b>\$402</b>	<b>\$23,004</b>

(1) The BISA facilities include the BISA CIL Loan and the BISA TSF Loan.

(2) Decommissioning liabilities are undiscounted. Total cash deposited with a Spanish financial institution for Euro denominated reclamation bonds amounted to approximately \$8.6 million at June 30, 2017 (September 30, 2016 - \$8.4 million). Decommissioning liabilities are discussed below under "Other Information - Critical Accounting Estimates - Decommissioning Liabilities".

(3) Spanish regulatory authorities have requested that an additional reclamation bond of €5.0 million be deposited by the Company under Spanish mining regulations in respect of El Valle. The Company is challenging the requirement to fund the additional reclamation bond through an administrative appeal process. The Company is also working with the Spanish regulatory authorities to come to an agreement regarding posting this bond, including the consideration of alternatives to posting this bond, while preserving the Company's rights during the appeal process.

(4) Under Bolivian law, EMIPA has an obligation to make payments to employees in the amount of one month's wages for each year of service. The employee can elect to receive payment after five years of service in the amount of five months of wages while continuing employment with EMIPA.

(5) Production from El Valle and Don Mario is subject to certain royalties for which amounts have not been included in total contractual obligations at June 30, 2017. For a description of such royalties and amounts payable, see "Royalties" below.

## Royalties

Production from El Valle is subject to a 3% net smelter return royalty ("NSR"), referred to herein as the El Valle Royalty. The El Valle Royalty rate decreases to 2.5% for any quarter in which the average price of gold is below \$1,100 per ounce. The El Valle Royalty expense totaled \$0.5 and \$1.4 million for the third quarter and the first nine months of fiscal 2017, respectively, compared with \$0.4 and \$1.3 million for the third quarter and the first nine months of fiscal 2016, respectively.

Production from Don Mario is subject to a 3% NSR. This expense totaled \$0.6 and \$1.5 million for the third quarter and the first nine months of fiscal 2017, respectively, compared with \$0.4 and \$0.9 million for the third quarter and the first nine months of fiscal 2016, respectively. The Bolivian government collects a mining royalty tax on the revenue generated from copper, gold and silver sales from Don Mario at rates of 5%, 7% and 6%, respectively. These amounts totaled \$1.5 and \$3.4 million for the third quarter and the first nine months of fiscal 2017, respectively, compared with \$1.0 and \$2.2 million for the third quarter and the first nine months of fiscal 2016, respectively.

## Liquidity

Orvana's primary sources of liquidity in the third quarter of fiscal 2017 were operating cash flows. Expected sources of liquidity during the remainder of fiscal 2017 are from operating cash flows as well as drawdowns from the recently closed \$11.3 million BISA Facilities, as the Company executes on its capital investment program and expects to continue to improve its production profile and lower its unitary costs.

As at June 30, 2017, the Company had cash of \$18.5 million, and together with forecasted operating cash flows, expects to cover the Company's commitments due in less than one year of \$22.9 million.

In August 2016, the Company entered into the \$12.5 million Prepayment Facility with Samsung C&T, the proceeds of which are being invested into El Valle. The acceleration of previously delayed underground mine development and the execution of planned water and power infrastructure projects have allowed El Valle to improve its ore production to exceed nameplate capacity of 2,000 tpd during the third quarter of

fiscal 2017, improving gold production despite mining through lower gold grade skarn areas. Going forward, El Valle is planning a significant reduction on the reliance of inferred material in mine production and, by increasing the amount of high gold grade oxide ore relative to skarn ore, expects to improve the average gold grades mined. These efforts are expected to continue to improve on the unitary cost reductions realized in fiscal 2017, with the full benefit realized in fiscal 2018.

At Don Mario, the Company concluded the re-commissioning of the CIL circuit in the second quarter of fiscal 2017 and has now completed its first quarter of commercial production, realizing results exceeding the Company's expectations and generating free cash flow during the third quarter. As a result of the capital expenditures required by the upcoming tailings dam expansion project, Don Mario is not expected to generate free cash flow during the remainder of fiscal 2017, and is financing the project with its recently closed \$8.3 million BISA TSF Loan. The planned repayment of the \$7.9 million BISA CIL Loan is expected by the end of fiscal 2017. Additional working capital requirements while these loans are being repaid are expected to be covered by operating cash flows as well as the recently closed revolving facility, also with BISA.

Through the completion of the recent debt financings, together with the current Euro to USD foreign exchange environment, the Company believes, based on its current cash flow forecasts, that it has sufficient financial resources to fully realize its current business plans. The Company's cash flow forecasts are developed using best available information at the time of their preparation and rely on certain material assumptions, such as gold and copper market prices and the ability to achieve planned production of gold and copper. There can be no assurances that the Company's cash flow forecasts will not change materially in the future and that the effect of changes to the Company's forecasts, if negative, could result in future financing requirements for the Company.

If (i) unanticipated events occur that may impact the operations of El Valle and Don Mario and/or (ii) if the Company does not have adequate access to financing on terms acceptable to the Company, the Company may need to take additional measures to increase its liquidity and capital resources, including obtaining additional debt or equity financing, pursuing joint-venture partnerships, equipment financings or other receivables financing arrangements. The Company may experience difficulty in obtaining satisfactory financing terms. Failure to obtain adequate financing on satisfactory terms could have a material adverse effect on Orvana's results of operations or financial condition.

#### Contingencies

The Company is currently working through one environmental matter involving selenium discharges into the Cauxa River in Asturias, Spain. The Cauxa River flows past the El Valle Mine operated by the Company's Spanish subsidiary, OroValle, as well as other industrial properties owned by third parties. Selenium is a naturally occurring element that is found in rocks, land and water and thus is also naturally found in certain food supplies. The results of recent scientific studies conducted by the Company have confirmed the Company's belief that past and prevailing levels of selenium in waterways impacted by the OroValle operations do not constitute a health or environmental risk.

Spanish regulatory authorities have taken the position that the levels of selenium in the river flowing past the El Valle Mine exceed the levels permitted by applicable regulations as a result of discharges attributed to OroValle which may not be in compliance with certain of OroValle's permits. In recent years, OroValle has received approximately €1.0 million (approximately \$1.1 million) in fines relating to these matters and may face further additional fines or other sanctions, including the revocation or suspension of certain permits, in the future. OroValle is appealing the outstanding fines and the enforcement of certain fines has been suspended pending the related criminal matter. A judge of the criminal court of Asturias is conducting an investigation into the potential commission by OroValle of a reckless crime under the Spanish penal code relating to these matters. The judge may decide to dismiss the matter, conduct a further investigation and/or charge OroValle and/or certain OroValle individuals. If OroValle is ultimately found responsible, monetary penalties, amongst other sanctions, may be applied. These sanctions could have a material impact on the Company. At this time, OroValle has not been charged. OroValle has cooperated and will continue to cooperate with investigations and is defending itself vigorously.

OroValle has been working to remediate this matter through various activities including the implementation of a reverse osmosis water treatment plant in September 2014 and the development of a long-term water management plan which is in progress. While it appears that these remediation efforts are addressing these

matters, there can be no assurances that OroValle's continuing remediation activities will be judged to successfully comply with local regulations. In addition, OroValle has been seeking amendments to certain of its permits or, alternatively to receive new permits, and extensions of deadlines to comply with local requirements. Orvana is committed to developing and operating its mines and projects in full compliance with local environmental regulations and recognized international environmental standards.

## SUMMARY OF QUARTERLY RESULTS

The following two tables include results for the eight quarters ended June 30, 2017:

<i>(in 000's, except per share amounts)</i>	Quarters ended			
	Q3 2017	Q2 2017	Q1 2017	Q4 2016
Revenue	\$36,671	\$31,714	\$23,458	\$24,044
Net loss	(\$3,446)	(\$2,233)	(\$8,154)	(\$1,528)
Loss per share (basic and diluted)	(\$0.03)	(\$0.02)	(\$0.06)	(\$0.01)
Total assets	\$171,429	\$174,767	\$171,155	\$174,262
Total financial liabilities <sup>(1)</sup>	\$19,019	\$20,449	\$15,626	\$14,113

  

	Quarters ended			
	Q3 2016	Q2 2016	Q1 2016	Q4 2015
Revenue	\$26,030	\$21,279	\$22,497	\$20,385
Net loss	(\$1,181)	(\$2,670)	(\$3,076)	(\$7,819)
Loss per share (basic and diluted)	(\$0.01)	(\$0.02)	(\$0.02)	(\$0.06)
Total assets	\$161,910	\$162,394	\$163,730	\$169,435
Total financial liabilities <sup>(1)</sup>	\$2,957	\$1,971	\$1,971	\$1,478

(1) Financial liabilities include current and long-term portions of debt, obligations under finance leases and derivative liabilities.

## FINANCIAL AND OTHER RISKS AND UNCERTAINTIES

### Financial Risks

The Company's activities expose it to a variety of financial market risks (including commodity price risks, currency risk and interest rate risk), credit risks, liquidity risks, financing risks and other risks. Enterprise risk management is carried out by management of the Company under policies approved by the board of directors thereof. Management identifies and evaluates the financial risks in co-operation with the Company's operating units. The Board of Directors of the Company reviews management's risk management programs and provides oversight on specific areas. The Company's overall risk management program seeks to minimize potential adverse effects on the Company's financial and operating performance.

### Other Risks

The Company identified a variety of additional risks and uncertainties in the most recent Annual Information Form ("AIF") including, but not limited to, (i) mineral resources and reserves estimates and replacement of depleted reserves, (ii) production estimates, (iii) development, capital projects and operations of mines, (iv) competition, (v) acquisitions and divestitures, (vi) title matters, (vii) water supply, (viii) regulatory and other risk, (ix) permits, (x) environmental, health and safety regulations, (xi) political and related risks, (xii) insurance, (xiii) reliance on key personnel and labor relations, (xiv) community relations and license to operate, (xv) litigation, (xvi) conflicts of interest, (xvii) controlling shareholder, and (xviii) share trading volatility.

In respect of regulatory and other risks and environmental regulations risks, see "Contingencies" above.

For a more detailed discussion of such financial and other business risks, please see the "Risk Factors" in Orvana's most recent AIF at [www.sedar.com](http://www.sedar.com).

## OTHER INFORMATION

### Critical Accounting Estimates

The preparation of financial statements in accordance with IFRS requires management to make estimates and assumptions that affect the reported amounts of certain assets and liabilities at the date of the financial statements and the reported amounts of certain revenues and expenses during the period. Actual results could differ significantly from those estimates. Specific items requiring estimates are mineral reserves, accounts receivable, property, plant and equipment, depreciation and amortization, forward metals prices, decommissioning liabilities, future income taxes, stock-based compensation and other accrued liabilities and contingent liabilities.

#### Net Realizable Amounts of Property, Plant and Equipment

At June 30, 2017, the net carrying value of the property, plant and equipment in respect of El Valle and Don Mario amounted to \$86.9 million and \$14.3 million, respectively. Effective from the point that they are ready for their intended use, property, plant and equipment are amortized on a straight-line basis or using the units-of-production method over the shorter of the estimated economic life of the asset or mineral property. The method of depreciation is determined based on that which best represents the use of the assets.

The reserve and resource estimates for each operation are the prime determinants of the life of a mine. In general, a mineralized deposit where the mineralization is reasonably well defined is amortized over its proven and probable mineral reserves. Non-reserve material may be included in the depreciation calculations in limited circumstances where there is a high degree of confidence in economic extraction. The expected economic life of these mines is dependent upon, among other things, the estimated remaining ore; gold, copper and silver prices; cash operating costs and capital expenditures.

The Company assesses each mine development project to determine when a mine is substantially complete and ready for its intended use and has advanced to the production stage. In its assessment, the Company considers relevant criteria based on the nature of each project, including the completion of a reasonable period of testing of mine plant and equipment, the ability to produce materials in saleable form (within specifications) and the ability to sustain ongoing production of minerals. When a mine development project moves into the production stage, the capitalization of certain mine construction costs ceases and costs are either capitalized to inventory or expensed, except for sustaining capital costs and underground mine or reserve development, which are capitalized to property, plant and equipment.

#### Decommissioning Liabilities

Decommissioning liabilities relate to the dismantling of the mine facilities and environmental reclamation of the areas affected by mining operations. Mine facilities include structures and the tailings dam. Environmental reclamation requirements include mine water treatment, reforestation and dealing with soil contamination. It is possible that the Company's estimates of the ultimate amounts required to decommission its mines could change as a result of changes in regulations, the extent of environmental remediation required, the means of reclamation, cost estimates or the estimated remaining ore reserves. The following table sets out management's estimates of the undiscounted and discounted cash flows required to settle such decommissioning liabilities in respect of El Valle and Don Mario at June 30, 2017. The Company is currently assessing the impact of its future mining plans at Don Mario and expects to update its decommissioning costs during the fourth quarter of fiscal 2017.

These estimates were prepared by management with the assistance of independent third party experts.

June 30, 2017	Undiscounted Cash Flows Estimated to Settle Decommissioning Liabilities	Discount Rate	Discounted Cash Flows Required to Settle Decommissioning Liabilities
<i>(in 000's)</i>			
El Valle <sup>(1)</sup>	\$15,546	0.99%	\$14,017
Don Mario <sup>(1)</sup>	\$7,718	3.20%	\$6,958
<b>Total</b>	<b>\$23,264</b>		<b>\$20,975</b>

(1) Accretion expense is recorded using the discount interest rate set out above. It is estimated that these amounts will be incurred beginning in 2020 and 2019 at Don Mario and El Valle, respectively. The discount rate used to measure decommissioning liabilities under IFRS is based on current interest rates of government bonds of the applicable country

and of term that matches the time period to the commencement of the decommissioning liability being incurred.

### Stock-based compensation

The Company recorded a stock-based compensation gain of \$10.9 thousand in the third quarter of fiscal 2017 compared with an expense of \$2.2 thousand in the third quarter of fiscal 2016, and an expense of \$41.1 thousand in the first nine months of fiscal 2017 compared with \$16.3 thousand in the first nine months of fiscal 2016. The stock-based compensation expense is based on an estimate of the fair value of stock options issued and expensed over the vesting period. The accounting for stock options requires estimates of interest rates, life of options, stock price volatility and the application of the Black-Scholes option pricing model.

### Long-term Compensation

The Company established a Deferred Share Unit (“DSU”) plan, effectively a phantom stock plan, for directors, effective October 1, 2008. For grants subsequent to December 1, 2015, the fair value of the units issued is expensed over the fiscal year in which they are issued, and is included in long-term compensation expense under general and administrative expenses in the statement of income. The fair value of the DSUs are marked to the quoted market price of Common Shares at each reporting date and changes in their fair value are also recorded under general and administrative expenses. Payouts are settled in cash within a specified period following a director's departure, based on the market price of the Common Shares at exercise.

The Company established a Restricted Share Unit (“RSU”) plan, effectively a phantom stock plan, for designated executives, effective October 1, 2008. The initial fair value of units issued is expensed and is included in long-term compensation expense under general and administrative expenses in the statement of income. The fair value of the RSUs are marked to the quoted market price of the Common Shares at each reporting date and changes in their fair value are recorded under general and administrative expenses. Payouts are settled in cash after a specified period of vesting, based on the market price of the Common Shares at vesting.

The Company established a Share Appreciation Rights (“SAR”) plan for designated executives, effective in respect of fiscal 2013. Unless otherwise determined by the directors of the Company, designated participants are granted SARs in such number equal to two times the number of RSUs granted to such participant in respect of compensation for a particular fiscal year. The Initial Fair Market Value as defined in the SAR plan is determined based on the closing price of the Common Shares on the date of grant. The fair value of the SARs are measured using an option pricing model at each period end, and to the extent that employees have rendered services over a three year vesting period, an expense is recorded under general and administrative expenses in the statement of net income over such vesting period. Vested SARs may be exercised provided there has been an appreciation in the market price of the Common Shares from the Initial Fair Market Value on the grant date and payouts are settled in cash as vested SARs are exercised.

### Impairment

The Company assesses the carrying values of each cash-generating unit (“CGU”) at each reporting period end date to determine whether any indication of impairment exists. Where an indicator of impairment exists, a formal estimate of the recoverable amount is made which is considered to be the higher of the fair value less costs to sell (“FVLCS”) or value-in-use. These assessments require the use of estimates and assumptions such as long-term commodity prices, discount rates, future capital requirements, the resale market for certain property, plant and equipment of the Company and operating performance. Fair value under FVLCS is determined as the amount that would be obtained from the sale, less costs, of the asset in an arm's length transaction between knowledgeable and willing parties. When observable market prices are not available for the asset, value-in-use for mineral properties is generally determined as the present value of estimated future cash flows arising from the continued use of the asset, which includes estimates such as the cost of future expansion plans and eventual disposal, using assumptions that are specific to the Company's circumstances with respect to each CGU. Cash flows are discounted to their present value using a discount rate that reflects current market assessments of the time value of money and the risks specific to the asset.

Management of the Company has assessed its CGUs to be each country in which it operates (El Valle and Don Mario) which is the lowest level for which cash inflows and outflows are expected to be largely

independent of those of other assets. Management projected cash flows over the remaining life-of-mine in respect of El Valle and Don Mario using forecasted production and costs per the current life-of-mine plans and the long-term forecasted price of gold, copper and silver to project future revenues. The key assumptions used in making this assessment at June 30, 2017 included commodity prices, operating costs, capital expenditures, foreign exchange rates and discount rates.

Although the total public market capitalization of the Company was below the carrying amount of Orvana's net assets at June 30, 2017 of \$92.9 million, following the completion of an impairment test in respect of each CGU in the third quarter of fiscal 2017, the Company estimated that the net recoverable amounts are greater than the carrying values of such assets based on the Company's current life-of-mine plans and the assumptions set out above at June 30, 2017. As such, there was no impairment of such carrying values as at June 30, 2017.

In light of a continued volatile metal price environment, and notwithstanding that the Company concluded that there was no impairment of carrying values at the end of the third quarter of fiscal 2017, there can be no assurances that an impairment adjustment may not be taken at either or both CGUs in future periods.

### **Internal Controls over Financial Reporting and Disclosure Controls and Procedures**

Management is responsible for the design and effectiveness of disclosure controls and procedures ("DC&P") and the design of internal control over financial reporting ("ICFR") to provide reasonable assurance that material information related to the Company, including its consolidated subsidiaries, is made known to the Company's certifying officers. The Company uses the *Internal Control – Integrated Framework* (COSO Framework) published by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) to design its ICFR. Based on a review of internal control procedures at the end of the period covered by this MD&A, management believes its internal controls and procedures are appropriately designed as at June 30, 2017.

There were no significant changes in the Company's internal controls or in other factors that could significantly affect those controls subsequent to the date the Chief Executive Officer and Chief Financial Officer completed their evaluation, nor were there any significant deficiencies or material weaknesses in the Company's internal controls requiring material corrective actions.

Management of the Company was required to apply its judgment in evaluating the cost-benefit relationship of possible controls and procedures. The result of the inherent limitations in all control systems means no evaluation of controls can provide absolute assurance that all control issues, errors and instances of fraud, if any, have been detected and that all of the objectives of the internal controls over financial reporting have been achieved or will be achieved in the future.

### **Non-IFRS Measures**

#### COC, AISC and AIC

The Company, in conjunction with an initiative undertaken within the gold mining industry, began reporting COC, AISC and AIC non-IFRS performance measures as set out in the guidance note released by the World Gold Council in June 2013. The Company believes that these performance measures more fully define the total costs associated with producing gold, copper and silver, however, these performance measures have no standardized meaning. Accordingly, they are intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS.

COC include total production cash costs incurred at the Company's mining operations, which form the basis of the Company's cash costs. AISC includes COC plus sustaining capital expenditures, corporate administrative expense, exploration and evaluation costs and reclamation cost accretion. The Company believes that this measure represents the total costs of producing gold from current operations and provides the Company and other stakeholders of the Company with additional information relating to the Company's operational performance and ability to generate cash flows. As the measure seeks to reflect the full cost of gold production from current operations, new project capital is not included in AISC. AIC represents AISC plus non-sustaining capital expenditures and non-sustaining exploration. Certain other cash expenditures

including tax payments, debt payments, dividends and financing costs are also not included in the calculation of AIC. The Company reports these measures on a gold ounces sold basis.

Orvana Consolidated	Q3 2017	Q2 2017	Q3 2016	YTD 2017	YTD 2016
<b>Cash operating costs, all-in sustaining costs and all-in costs (by-product) <sup>(1)</sup> (in 000's)</b>					
<b>Total mining costs (sales based)</b>	<b>\$31,181</b>	<b>\$26,272</b>	<b>\$21,809</b>	<b>\$81,809</b>	<b>\$61,660</b>
Deductions, refining, treatment, penalties, freight & other costs	5,697	3,637	5,570	13,776	15,139
<b>Sub-total - other operating costs</b>	<b>\$5,697</b>	<b>\$3,637</b>	<b>\$5,570</b>	<b>\$13,776</b>	<b>\$15,139</b>
Copper sales - gross revenue value	(10,599)	(7,612)	(8,315)	(27,554)	(21,685)
Silver sales - gross revenue value	(1,225)	(1,653)	(1,975)	(4,777)	(5,851)
Other by-product gross revenue value	-	(21)	(8)	(43)	(50)
<b>Sub-total by-product revenue</b>	<b>(\$11,824)</b>	<b>(\$9,286)</b>	<b>(\$10,298)</b>	<b>(\$32,374)</b>	<b>(\$27,586)</b>
<b>Cash operating costs</b>	<b>\$25,054</b>	<b>\$20,623</b>	<b>\$17,081</b>	<b>\$63,211</b>	<b>\$49,213</b>
Corporate general & administrative costs	965	761	1,506	2,445	3,792
Community costs related to current operations	90	133	111	409	291
Reclamation, accretion & amortization	571	511	311	1,601	946
Exploration and study costs (sustaining)	360	117	88	542	255
Primary development (sustaining)	1,035	1,107	870	3,268	2,557
Other sustaining capital expenditures <sup>(2) (3)</sup>	1,052	1,968	1,685	7,013	6,273
<b>All-in sustaining costs</b>	<b>\$29,127</b>	<b>\$25,220</b>	<b>\$21,652</b>	<b>\$78,489</b>	<b>\$63,327</b>
Capital expenditures (non-sustaining) <sup>(3)</sup>	280	649	308	3,991	573
<b>All-in costs</b>	<b>\$29,407</b>	<b>\$25,869</b>	<b>\$21,960</b>	<b>\$82,480</b>	<b>\$63,900</b>
Au/oz sold	24,287	20,773	16,496	58,997	47,111
Cash operating costs (\$/oz) gold	<b>\$1,032</b>	<b>\$993</b>	<b>\$1,035</b>	<b>\$1,071</b>	<b>\$1,045</b>
All-in sustaining costs (\$/oz) gold	<b>\$1,199</b>	<b>\$1,214</b>	<b>\$1,311</b>	<b>\$1,330</b>	<b>\$1,344</b>
All-in costs (\$/oz) gold	<b>\$1,211</b>	<b>\$1,245</b>	<b>\$1,331</b>	<b>\$1,398</b>	<b>\$1,356</b>

(1) Costs are reported per ounce of gold sold in the period.

(2) Sustaining capital expenditures are those expenditures which do not increase annual gold ounce production at a mine site and excludes all expenditures at the Company's projects and certain expenditures at the Company's operating sites which are deemed expansionary in nature.

(3) Capital expenditures include unpaid capital expenditures incurred in the period.

The following table provides a reconciliation of COC, AISC and AIC (by-product) per ounce of gold sold for El Valle for the periods set out below:

El Valle	Q3 2017	Q2 2017	Q3 2016	YTD 2017	YTD 2016
<b>Cash operating costs, all-in sustaining costs and all-in costs (by-product) <sup>(1)</sup> (in 000's)</b>					
<b>Total mining costs</b>	<b>\$17,936</b>	<b>\$17,232</b>	<b>\$13,575</b>	<b>\$50,985</b>	<b>\$40,649</b>
Deductions, refining, treatment, penalties, freight & other costs	2,428	2,112	1,438	5,686	4,342
<b>Sub-total - other operating costs</b>	<b>\$2,428</b>	<b>\$2,112</b>	<b>\$1,438</b>	<b>\$5,686</b>	<b>\$4,342</b>
Copper sales - gross revenue value	(4,198)	(3,645)	(2,297)	(9,923)	(6,451)
Silver sales - gross revenue value	(796)	(856)	(648)	(2,060)	(1,782)
<b>Sub-total by-product revenue</b>	<b>(\$4,994)</b>	<b>(\$4,501)</b>	<b>(\$2,945)</b>	<b>(\$11,983)</b>	<b>(\$8,233)</b>
<b>Cash operating costs</b>	<b>\$15,370</b>	<b>\$14,843</b>	<b>\$12,068</b>	<b>\$44,688</b>	<b>\$36,758</b>
Corporate general & administrative costs	625	625	800	1,875	2,400
Reclamation, accretion & amortization	431	396	208	1,183	636
Exploration and study costs (sustaining)	23	11	48	54	84
Primary development (sustaining)	1,035	1,107	870	3,268	2,557
Other sustaining capital expenditures <sup>(2) (3)</sup>	964	1,145	1,384	4,408	2,765
<b>All-in sustaining costs</b>	<b>\$18,448</b>	<b>\$18,127</b>	<b>\$15,378</b>	<b>\$55,476</b>	<b>\$45,200</b>

<b>EI Valle</b>	<b>Q3 2017</b>	<b>Q2 2017</b>	<b>Q3 2016</b>	<b>YTD 2017</b>	<b>YTD 2016</b>
<b>All-in costs</b>	<b>\$18,448</b>	<b>\$18,127</b>	<b>\$15,378</b>	<b>\$55,476</b>	<b>\$45,200</b>
Au/oz sold	11,929	12,218	9,665	32,975	34,188
Cash operating costs (\$/oz) gold	<b>\$1,288</b>	<b>\$1,215</b>	<b>\$1,249</b>	<b>\$1,355</b>	<b>\$1,075</b>
All-in sustaining costs (\$/oz) gold	<b>\$1,546</b>	<b>\$1,484</b>	<b>\$1,591</b>	<b>\$1,682</b>	<b>\$1,322</b>
All-in costs (\$/oz) gold	<b>\$1,546</b>	<b>\$1,484</b>	<b>\$1,591</b>	<b>\$1,682</b>	<b>\$1,322</b>

- (1) Costs are reported per ounce of gold sold in the period.
- (2) Sustaining capital expenditures are those expenditures which do not increase annual gold ounce production at a mine site and excludes all expenditures at the Company's projects and certain expenditures at the Company's operating sites which are deemed expansionary in nature.
- (3) Capital expenditures include unpaid capital expenditures incurred in the period.

Previously, the Company reported unitary costs from Don Mario on a co-product per pound of copper and per ounce of gold and silver as a result of revenue from the sale of copper and silver representing more than 60% of total gross revenue. As a result of the changes in product mix realized during fiscal 2017 and an increase in gold revenue relative to copper and silver revenue, the Company began presenting its 2017 unitary costs for Don Mario on a by-product basis and has restated its comparatives accordingly. The following table provides a reconciliation of AISC per ounce of gold sold for Don Mario for the periods set out below:

<b>Don Mario Mine</b>	<b>Q3 2017</b>	<b>Q2 2017</b>	<b>Q3 2016</b>	<b>YTD 2017</b>	<b>YTD 2016</b>
<b>Cash operating costs, all-in sustaining costs and all-in costs (by-product)<sup>(1)</sup> (in 000's)</b>					
<b>Total mining costs</b>	<b>\$13,245</b>	<b>\$9,040</b>	<b>\$8,234</b>	<b>\$30,824</b>	<b>\$21,011</b>
Deductions, refining, treatment, penalties, freight & other costs	3,269	1,525	4,132	8,090	6,665
<b>Sub-total - other operating costs</b>	<b>\$3,269</b>	<b>\$1,525</b>	<b>\$4,132</b>	<b>\$8,090</b>	<b>\$6,665</b>
Copper sales – gross revenue value	(6,401)	(3,967)	(6,018)	(17,631)	(15,234)
Silver sales – gross revenue value	(429)	(797)	(1,327)	(2,717)	(4,069)
Other by-product gross revenue value	-	(21)	(8)	(43)	(50)
<b>Sub-total by-product revenue</b>	<b>(\$6,830)</b>	<b>(\$4,785)</b>	<b>(\$7,353)</b>	<b>(\$20,391)</b>	<b>(\$19,353)</b>
<b>Cash Operating Costs</b>	<b>\$9,684</b>	<b>\$5,780</b>	<b>\$5,013</b>	<b>\$18,523</b>	<b>\$8,323</b>
Corporate general & administrative costs	86	195	370	489	1,195
Community costs related to current operations	90	133	111	409	291
Reclamation, accretion & amortization	140	115	103	418	310
Capital expenditures (sustaining) <sup>(2)(3)</sup>	88	823	301	2,605	3,500
Exploration and study costs (sustaining)	337	106	40	488	171
<b>All-in sustaining costs</b>	<b>\$10,425</b>	<b>\$7,152</b>	<b>\$5,938</b>	<b>\$22,932</b>	<b>\$13,790</b>
Capital expenditures (non-sustaining)	280	649	308	3,991	573
<b>All-in costs</b>	<b>\$10,705</b>	<b>\$7,801</b>	<b>\$6,246</b>	<b>\$26,923</b>	<b>\$14,363</b>
Au/oz sold	12,358	8,555	6,831	26,022	12,923
Cash operating costs (\$/oz) gold	<b>\$784</b>	<b>\$676</b>	<b>\$734</b>	<b>\$712</b>	<b>\$644</b>
All-in sustaining costs (\$/oz) gold	<b>\$844</b>	<b>\$836</b>	<b>\$869</b>	<b>\$881</b>	<b>\$1,067</b>
All-in costs (\$/oz) gold	<b>\$866</b>	<b>\$912</b>	<b>\$914</b>	<b>\$1,035</b>	<b>\$1,111</b>

- (1) Costs are reported per ounce of gold sold in the period.
- (2) Sustaining capital expenditures are those expenditures which do not increase annual gold ounce production at a mine site and excludes all expenditures at the Company's projects and certain expenditures at the Company's operating sites which are deemed expansionary in nature.
- (3) Capital expenditures includes unpaid capital expenditures incurred in the period.

#### EBITDA

The Company has included Earnings before Interest, Taxes, Depreciation and Amortization ("EBITDA") as a non-IFRS performance measure in this MD&A. The Company excludes these items from net loss to provide a measure which allows the Company and investors to evaluate the results of the underlying core

operations of the Company and its ability to generate cash flows. Accordingly, it is intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS.

The following table provides a reconciliation of EBITDA to the Company's consolidated financial statement for their respective periods:

<i>(in 000's)</i>	<b>Q3 2017</b>	<b>Q2 2017</b>	<b>Q3 2016</b>	<b>YTD 2017</b>	<b>YTD 2016</b>
Net loss	<b>(\$3,446)</b>	(\$2,233)	(\$1,181)	<b>(\$13,833)</b>	(\$6,927)
Less:					
Finance costs	<b>447</b>	424	60	<b>1,208</b>	217
Income taxes	<b>381</b>	1,149	(185)	<b>58</b>	(2,263)
Depreciation and amortization	<b>7,400</b>	5,434	3,815	<b>18,789</b>	12,430
EBITDA	<b>\$4,782</b>	\$4,774	\$2,509	<b>\$6,222</b>	\$3,457

## Other Information

Other operating and financial information with respect to the Company, including the AIF, is available on SEDAR at [www.sedar.com](http://www.sedar.com) and on the Company's website at [www.orvana.com](http://www.orvana.com).

## Cautionary Statements – Forward-Looking Information

Certain statements in this MD&A constitute forward-looking statements or forward-looking information within the meaning of applicable securities laws ("forward-looking statements"). Any statements that express or involve discussions with respect to predictions, expectations, beliefs, plans, projections, objectives, assumptions, potentials, future events or performance (often, but not always, using words or phrases such as "believes", "expects", "plans", "estimates" or "intends" or stating that certain actions, events or results "may", "could", "would", "might", "will" or "are projected to" be taken or achieved) are not statements of historical fact, but are forward-looking statements.

The forward-looking statements herein relate to, among other things, Orvana's ability to achieve improvement in free cash flow; the potential to extend the mine life of El Valle and Don Mario beyond their current life-of-mine estimates including specifically, but not limited to in the case of Don Mario, the completion of the major tailings storage facility expansion, the mining of the Cerro Felix deposit, the processing of the mineral stockpiles and the reprocessing of the tailings material; Orvana's ability to optimize its assets to deliver shareholder value; the Company's ability to optimize productivity at Don Mario and El Valle; estimates of future production, operating costs and capital expenditures; mineral resource and reserve estimates; statements and information regarding future feasibility studies and their results; future transactions; future metal prices; the ability to achieve additional growth and geographic diversification; future financial performance, including the ability to increase cash flow and profits; future financing requirements; and mine development plans.

Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by the Company as of the date of such statements, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The estimates and assumptions of the Company contained or incorporated by reference in this MD&A, which may prove to be incorrect, include, but are not limited to, the various assumptions set forth herein or as otherwise expressly incorporated herein by reference as well as: there being no significant disruptions affecting operations, whether due to labour disruptions, supply disruptions, power disruptions, damage to equipment or otherwise; permitting, development, operations, expansion and acquisitions at El Valle and Don Mario being consistent with the Company's current expectations; political developments in any jurisdiction in which the Company operates being consistent with its current expectations; certain price assumptions for gold, copper and silver; prices for key supplies being approximately consistent with current levels; production and cost of sales forecasts meeting expectations; the accuracy of the Company's current mineral reserve and mineral resource estimates; and labour and materials costs increasing on a basis consistent with Orvana's current expectations.

A variety of inherent risks, uncertainties and factors, many of which are beyond the Company's control, affect the operations, performance and results of the Company and its business, and could cause actual events or results to differ materially from estimated or anticipated events or results expressed or implied by

forward looking statements. Some of these risks, uncertainties and factors include fluctuations in the price of gold, silver and copper; the need to recalculate estimates of resources based on actual production experience; the failure to achieve production estimates; variations in the grade of ore mined; variations in the cost of operations; the availability of qualified personnel; the Company's ability to obtain and maintain all necessary regulatory approvals and licenses; the Company's ability to use cyanide in its mining operations; risks generally associated with mineral exploration and development, including the Company's ability to continue to operate the El Valle and/or Don Mario and/or ability to resume long-term operations at the Carlés Mine; the Company's ability to acquire and develop mineral properties and to successfully integrate such acquisitions; the Company's ability to execute on its strategy; the Company's ability to obtain financing when required on terms that are acceptable to the Company; challenges to the Company's interests in its property and mineral rights; current, pending and proposed legislative or regulatory developments or changes in political, social or economic conditions in the countries in which the Company operates; general economic conditions worldwide; and the risks identified in the Company's AIF under the heading "Risks and Uncertainties". This list is not exhaustive of the factors that may affect any of the Company's forward-looking statements and reference should also be made to the Company's AIF for a description of additional risk factors.

The forward-looking statements made in this MD&A with respect to the anticipated development and exploration of the Company's mineral projects are intended to provide an overview of management's expectations with respect to certain future activities of the Company and may not be appropriate for other purposes.

Forward-looking statements are based on management's current plans, estimates, projections, beliefs and opinions and, except as required by law, the Company does not undertake any obligation to update forward-looking statements should assumptions related to these plans, estimates, projections, beliefs and opinions change. Readers are cautioned not to put undue reliance on forward-looking statements.

#### **Cautionary Notes to Investors – Reserve and Resource Estimates**

In accordance with applicable Canadian securities regulatory requirements, all mineral reserve and mineral resource estimates of the Company disclosed in this MD&A have been prepared as at September 30, 2016 in accordance with NI 43-101, classified in accordance with Canadian Institute of Mining Metallurgy and Petroleum's "CIM Standards on Mineral Resources and Reserves Definitions and Guidelines" (the "CIM Guidelines").

Pursuant to the CIM Guidelines, mineral resources have a higher degree of uncertainty than mineral reserves as to their existence as well as their economic and legal feasibility. Inferred mineral resources, when compared with measured or indicated mineral resources, have the least certainty as to their existence, and it cannot be assumed that all or any part of an inferred mineral resource will be upgraded to an indicated or measured mineral resource as a result of continued exploration. Pursuant to NI 43-101, inferred mineral resources may not form the basis of any economic analysis, including any feasibility study. Accordingly, readers are cautioned not to assume that all or any part of a mineral resource exists, will ever be converted into a mineral reserve, or is or will ever be economically or legally mineable or recovered.