

22 October 2020



## Phase IV Drilling Program Update at Sorby Hills

Pacifico Minerals Limited (ASX: **PMY**) ("**Pacifico**" or the "**Company**") is pleased to update the market on the progress of the Phase IV drilling program at its 75% owned Sorby Hills Lead-Silver-Zinc Project ("**Sorby Hills**" or the "**Project**"), located in the Kimberley Region of Western Australia.

### HIGHLIGHTS

- Drilling program well advanced with approximately 3,200 m now complete
- Observations to date suggest metallurgical drilling objectives will be met
- Exciting new intersections observed in holes drilled proximal to the current open pit design
- First batch of assays due in November 2020
- Probability of resource growth appears likely with updated estimate targeted for Q1 2021
- Gravity survey covering Beta and Alpha deposits complete with further gravity surveying underway over the prospective Eight Mile Creek exploration licence

Pacifico's Pre-Feasibility Study ("**PFS**") confirmed that Sorby Hills is underpinned by a large near-surface Pb-Ag-Zn deposit comprising a Mineral Resource of 44.1Mt at 3.3% Pb, 38g/t Ag and 0.5% Zn, and Proved and Probable Reserves of 13.6Mt at 3.6% Pb, and 40g/t Ag.

The Phase IV drilling program, which is now 60% complete (Figure 1), will build upon the outstanding results of three previous drilling programs undertaken by the Company since 2018 that have delivered a 50% increase in the total resource tonnage and almost tripled the contained metal classified as a Measured and Indicated Resource.

### Phase IV Drilling Program Objectives and Progress

The **primary objective** of the current drilling program is to:

- **support metallurgical and geotechnical test work** to be conducted as part of the Sorby Hills Definitive Feasibility Study ("**DFS**") ; and
- simultaneously **explore opportunities to expand the Resource**.

**All metallurgical drill holes have intersected mineralisation** as estimated and projected by the geological model.

Furthermore, the Company is pleased to report that **several drill holes have encountered new thick intersections of mineralisation immediately adjacent to the current open pit designs**. Geological logging indicates these intersections may have a favourable impact on the Sorby Hills Resource.

With the metallurgical and geotechnical component of the Phase IV program largely complete, drilling will now focus on exciting near-mine exploration targets that have the potential to significantly increase the Sorby Hills Resource and Project Mine Life.

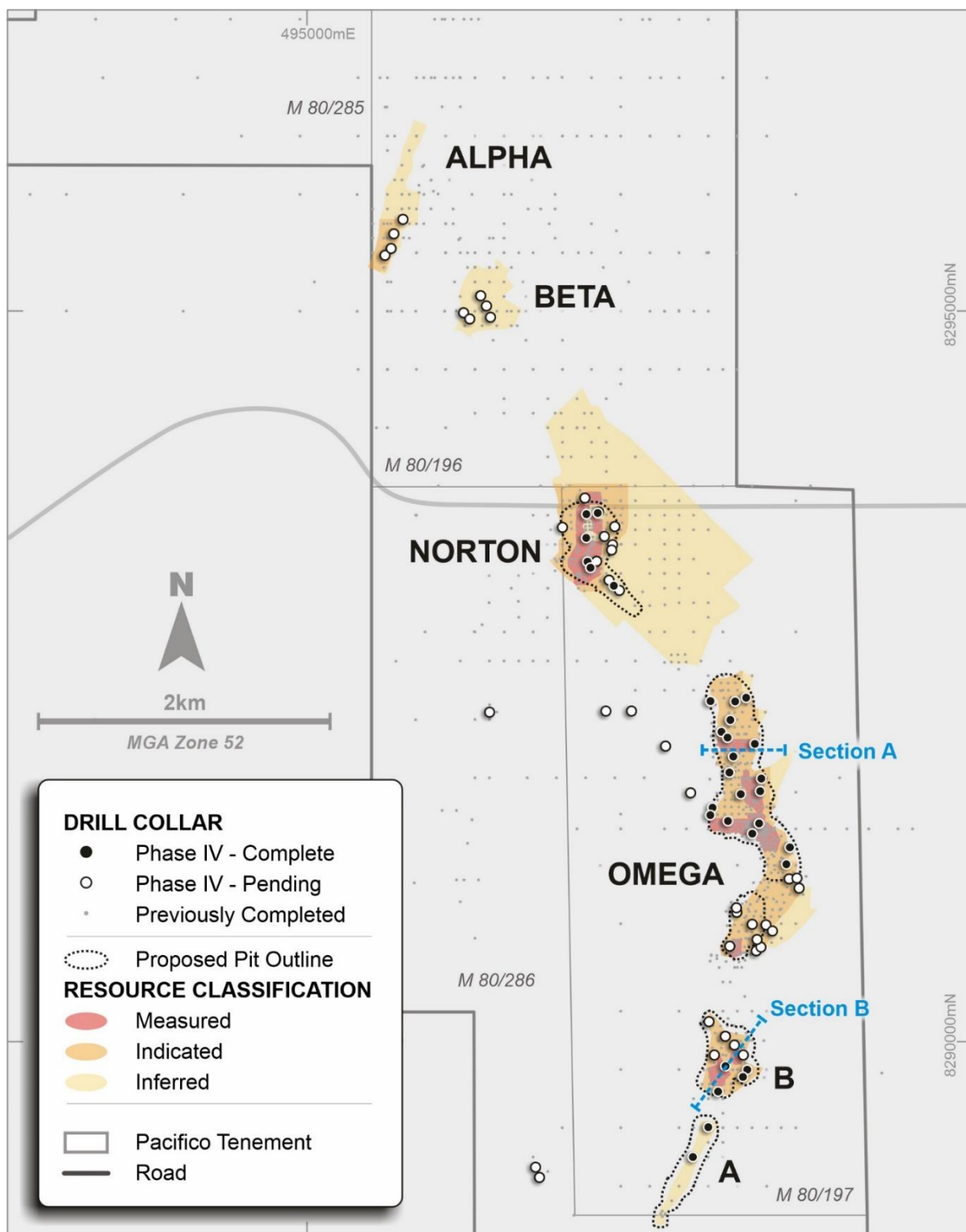


Figure 1: Location of Completed and Pending Phase IV drill hole collars relative to the Sorby Hills Resource, previously completed drill hole locations and open pit design outlines.

### Drill Hole - SHDD017

SHDD017 is located in the central part of Omega Deposit and **targeted an interval of up to 8 m of the stratabound mineralisation at a depth between 60 and 70 m below surface which was intersected.** The hole was extended beyond the known mineralisation to test historic intercepts of mineralisation in the deposit footwall that are currently not included in Sorby Hills Resource (Figure 2).

**The hole intersected a new 41 m wide zone of hydrothermal vein and breccia type mineralisation** which differs in style and mineral association (galena-sphalerite-calcite) and is genetically not related to stratiform breccias (Figure 3).

**This is a significant finding,** and the Company plans to follow up on this outcome once results have been received.

### Drill Hole - SHDD029

SHDD029 is located in the southwest of the B Deposit and was aimed at intersecting the possible extension of stratabound mineralisation down-dip and along strike to the southwest at a depth of 40 to 50 m below surface (Figure 4).

**The drill hole intersected, at a lateral distance of approximately 25 m away from the current Resource model edge, a zone of approximately 10 m comprising multiple intervals (of up to 10 cm thick) of stratiform and disseminated galena (Figure 5).**

This mineralisation is associated with stratiform collapse breccias, possibly after evaporites and represents the typical type of mineralisation for Sorby Hills. The mineralisation is open to the southwest and northwest and will be followed up.

### Gravity Surveys

**Gravity anomalies have historically proven highly effective vectors to identifying mineralisation at Sorby Hills.** Specifically, mineralisation discovered to date broadly correlates with the transition from linear gravity lows to gravity highs.

Pacifico has engaged Haines Gravity to conduct two new gravity surveys (Figure 6) in conjunction with the current Phase IV Drill Program:

1. a high-resolution survey north of the Norton Deposit covering and extending the historic survey over the existing Sorby Hills mining licences; and
2. a regional survey covering the northern half of the Eight Mile Creek Exploration licence.

The gravity survey over the northern half of Eight Mile Creek will enable a structural interpretation of the Devonian-Carboniferous strata and is expected to provide a first pass exploration concept. Eight Mile Creek is 100% owned by Pacifico and covers 217 km<sup>2</sup> to the northeast of Kununurra and south of the Sorby Hills Joint Venture Project, adding 30 km of strike length of prospective exploration ground adjacent to the Sorby Hills deposit.

**The Company looks forward to providing further updates as drilling progresses and the results of assays are received over the coming months ahead of updating the Mineral Resource in early 2021.**

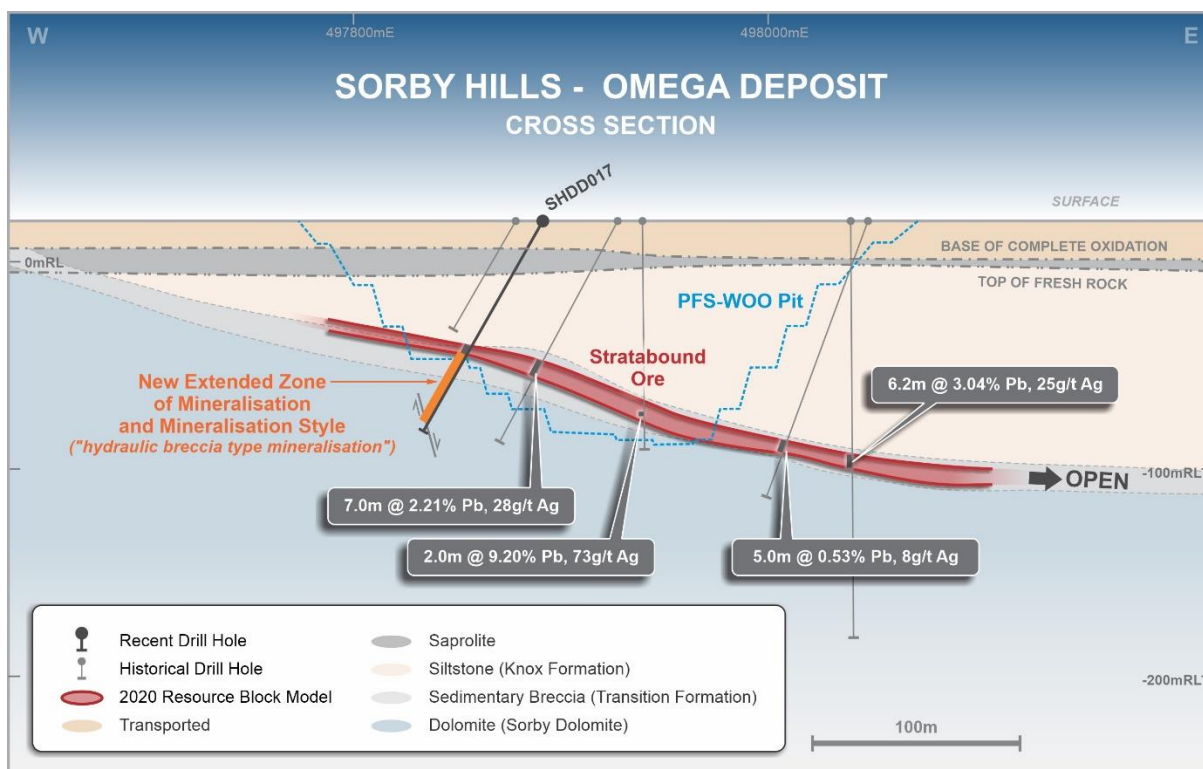


Figure 2: Showing E-W cross section for the Omega Deposit and the location of newly completed SHDD017 drill with an indication of mineralisation intersection.

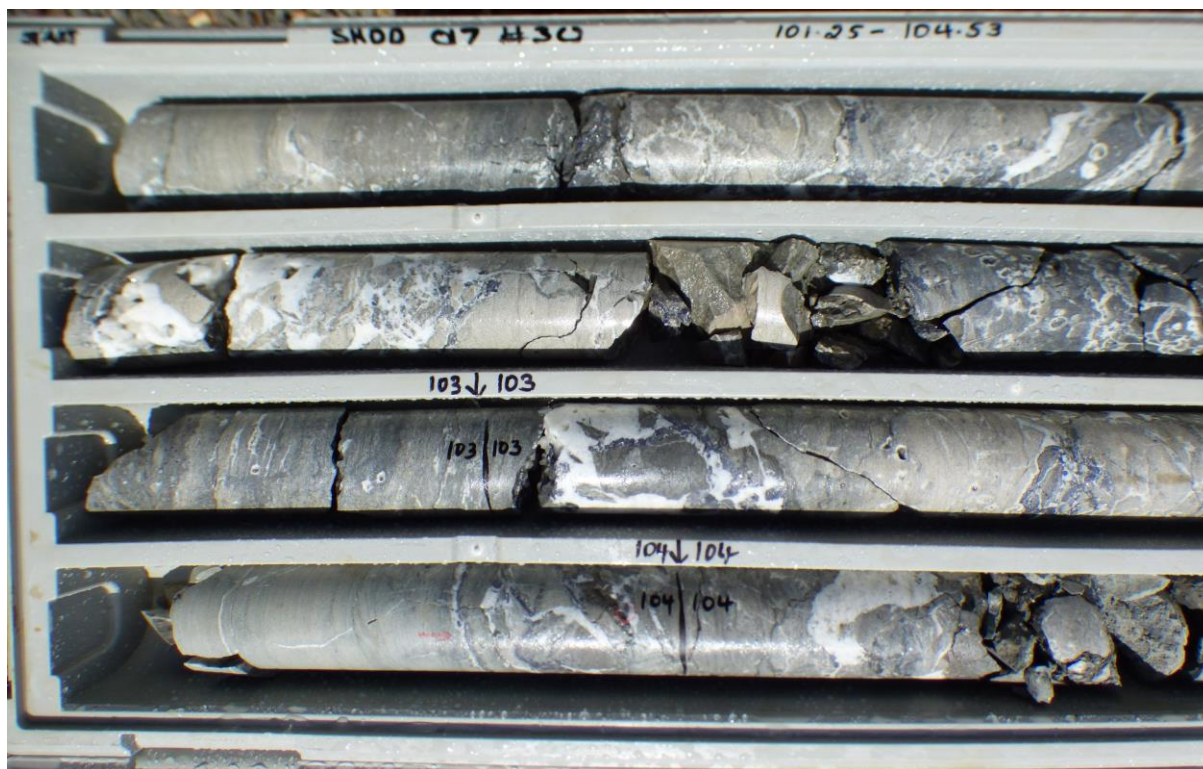


Figure 3: Footwall hydrothermal breccia style mineralisation observed in SHDD017 from 101m.



A photograph showing four sediment core samples arranged horizontally in a white tray. The cores are cylindrical and show varying degrees of sedimentary layering and color, ranging from light grey to dark brown. The second core from the top has a yellow label with handwritten text: 'SH00029', 'MO458', 'D3.0', and 'R3.0'. A red 'X' is marked on the right end of the second core. The tray has a black border and a small blue mark on the right side.

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*The Board of Directors have authorised this announcement for release to the market.*

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## APPENDIX

**Table 1: Mineral Resource estimate. Reported above a cut-off of 1% Pb (Pb domains only)**

Deposit	Measured				Indicated				Inferred				Total			
	Mt	Pb (%)	Ag (g/t)	Zn (%)	Mt	Pb (%)	Ag (g/t)	Zn (%)	Mt	Pb (%)	Ag (g/t)	Zn (%)	Mt	Pb (%)	Ag (g/t)	Zn (%)
<b>A</b>	-	-	-	-	-	-	-	-	0.6	6.1	32	1.2	<b>0.6</b>	<b>6.1</b>	<b>32</b>	<b>1.2</b>
<b>B</b>	0.5	4.3	24	0.3	1.3	4.	24	0.3	-	-	-	-	<b>1.8</b>	<b>4.3</b>	<b>24</b>	<b>0.3</b>
<b>Omega</b>	4.2	4.3	45	0.4	9.2	3.2	29	0.4	2.5	3.0	23	0.6	<b>15.8</b>	<b>3.5</b>	<b>32</b>	<b>0.4</b>
<b>Norton</b>	2.4	4.3	83	0.3	2.2	3.4	38	0.5	16.0	2.5	30	0.4	<b>20.6</b>	<b>2.8</b>	<b>37</b>	<b>0.4</b>
<b>Alpha</b>	-	-	-	-	1.0	2.8	50	0.6	1.0	3.4	85	1.4	<b>2.0</b>	<b>3.1</b>	<b>67</b>	<b>1.0</b>
<b>Beta</b>	-	-	-	-	-	-	-	-	3.3	4.6	61	0.4	<b>3.3</b>	<b>4.6</b>	<b>61</b>	<b>0.4</b>
<b>Total</b>	<b>7.1</b>	<b>4.3</b>	<b>57</b>	<b>0.4</b>	<b>13.7</b>	<b>3.3</b>	<b>31</b>	<b>0.4</b>	<b>23.4</b>	<b>3.00</b>	<b>36</b>	<b>0.5</b>	<b>44.1</b>	<b>3.3</b>	<b>38</b>	<b>0.5</b>

Notes. 1. The information is extracted from the report entitled "Mineral Resource Update Sorby Hills Pb-Ag-Zn Project" released on 2 June 2020 and is available to view on [www.pacificominerals.com.au/](http://www.pacificominerals.com.au/).

2. Tonnes and grade are rounded.

**Table 2: Sorby Hills Ore Reserve Statement**

Deposit	Proved			Probable			Total Ore Reserve				
	Tonnes (Mt)	Pb (%)	Ag (g/t)	Tonnes (Mt)	Pb (%)	Ag (g/t)	Tonnes (Mt)	Pb (%)	Pb (kt)	Ag (g/t)	Ag (Moz)
<b>B</b>	<b>0.6</b>	3.7	20	<b>1.3</b>	3.4	20	<b>1.8</b>	3.5	60	20	1
<b>Omega</b>	<b>4.1</b>	4.1	43	<b>5.5</b>	3.1	29	<b>9.6</b>	3.6	340	35	11
<b>Norton</b>	<b>2.1</b>	4.0	82	<b>0.2</b>	3.5	48	<b>2.2</b>	4.0	90	79	6
<b>Total</b>	<b>6.8</b>	<b>4.1</b>	<b>53</b>	<b>6.9</b>	<b>3.2</b>	<b>28</b>	<b>13.6</b>	<b>3.6</b>	<b>490</b>	<b>40</b>	<b>18</b>

Notes: 1. Ore Reserves are a subset of Mineral Resources.

2. Ore Reserves are estimated using a lead price of US\$2,095/tonne and silver price of US\$21.10/ounce and USD/AUD exchange rate of 0.7.

3. Ore Reserves are estimated using a cut-off grade of 1.5% Pb.

4. The above data has been rounded to the nearest 100,000 tonnes, 0.1% lead grade and 10,000 lead tonnes, 1g/t silver grade and 1,000,000 silver ounces. Errors of summation may occur due to rounding.

## About Pacifico Minerals Ltd

Pacifico Minerals Ltd (“**Pacifico**”, ASX: **PMY**) is a Western Australian based exploration company with interests Australia and Colombia. In Australia, the company is currently focused on advancing the Sorby Hills Lead-Silver-Zinc Joint Venture Project in WA. Pacifico owns a 75% interest in the Joint Venture with the remaining 25% (contributing) interest held by Henan Yuguang Gold & Lead Co. Ltd.

## About Henan Yuguang Gold and Lead Co Ltd

Henan Yuguang Gold and Lead Co., Ltd (“**Yuguang**”) was established in 1957 by the government of Jiyuan City which is in Henan Province in North China. In July 2002, HYG (exchange code: 600531) was listed on the Shanghai Stock Exchange (“**SSX**”). Current ownership is approximately 29.61% by Jiyuan City. Yuguang is the largest lead smelting company and silver producer in China and has been among the Top 500 Chinese enterprises and Top 500 China manufacturing enterprises for the last five consecutive years. The main products produced by Yuguang are electrolytic lead, gold, silver and copper which are all registered at LME and LBMA respectively. In 2017, Yuguang produced 415,100 tonnes of electrolytic lead, 110,000 tonnes of copper, 958 tonnes of silver, 7,383 kg of gold and achieved sales of about US\$2,684 million. Yuguang’s plants are largely modern, focussed on development of industrial technology and are environmentally friendly. Its recently refurbished lead smelting plant has achieved full automation. More information can be found on the Yuguang website: <http://www.yggf.com.cn/en/>

## Compliance Statements

Information included in this presentation relating to Mineral Resources and Ore Reserves has been extracted from the Mineral Resource Estimate dated 2 June 2020 and the Pre-Feasibility Report and Ore Reserve Statement dated 25 August 2020, both available to view at [www.pacificominerals.com.au](http://www.pacificominerals.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in either the Mineral Resource Estimate or the Ore Reserve Statement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the Mineral Resource Estimate or the Ore Reserves Statement.