



## **Hera Mine Community Consultative Committee Minutes**

The meeting was held on 2 August 2018 at the Hera Mine, Burthong Road, Nymagee.

Meeting commenced at 11am following a site inspection commencing at 10.15am.

### **Present at the Meeting:**

Garry West (Independent Chair)  
Cr. Peter Maxwell (Cobar Shire Council Representative)  
Graeme Bourke (Bogan Shire Council Representative)  
Dolly Betts (Community Representative)  
Des (David) Hill (Community Representative)  
Phil Harley (Community Representative)  
Don Cameron (Community Representative)  
Jonathon Thompson (Aurelia Metals Ltd, Representative, Environment Superintendent)  
Scott Ramsay (Aurelia metals Ltd, Representative, General Manager, Hera Mine Project)

### **1. Apologies**

Megan Nicholson (Community Representative)

### **2. Pecuniary and other interests**

The Chair welcome new CCC members Cr. Peter Maxwell and Graeme Bourke. For the benefit of the new members Mr West introduced himself and provided them with a copy of the Community Consultative Committee Guidelines and copies of the Code of Conduct and Pecuniary Interest Forms. General discussion regarding the interpretation of Pecuniary and Non-Pecuniary Declarations and Conflicts of Interest.

G. West declared that while he is appointed by the department of Planning & Environment he is paid a meeting fee and travel costs by Aurelia Metals Ltd – Hera Mine

### **3. Confirmation of Minutes**

Minutes from the CCC meeting of 3 May 2018 had been distributed via email and were accepted as a correct record.

### **4. Business Arising from Previous Meeting**

Don Cameron noted that he had seen the advertising of the complaints line.

### **5. Correspondence**

Correspondence by email from the Chair to Cobar Shire Council seeking consideration of a representative to the CCC; response from Cobar Shire Council appointing Cr Peter Maxwell to the CCC.

### **6. Company Report**

A presentation was provided detailing the environmental performance of the Hera Mine operations. (A copy will accompany the final minutes and be placed on the company website);

No complaints were received for the reporting period. However, Scott Ramsey noted there were comments made at a meeting of the Nymagee Progress Association (NPA) regarding light spillage and noise from the exploration drilling near the village on NS. Modifications to the drill site lighting were implemented immediately and the drill program has now moved over the other side of the ridge, away from the township.

One recordable injury to an Aurelia Metals employee had occurred during the last quarter, when a steel roller from a conveyor rolled out of the back of a ute and landed on an operator's foot resulting in a broken bone. Securing transport loads and housekeeping procedures have been updated because of this incident.

J. Thompson provided an outline of a proposed MOD 5. No planning has commenced, however it is proposed for the following:

- Increase in annual concentrate haulage limit from the Hera Mine to Hermidale;
- Processing of Peak Mine ore at the Hera site;
- Transport of ore from the Hera site to the Peak site;
- Construct additional Process water storage dam.

S. Ramsay provided an overview of their exploration program with the Nymagee Metallurgical drill program due to finish in mid-August, the rig will move down to Hera to drill the surface exploration holes planned for south of the Hera Mine, including Juno, Hebe and Zeus targets.

S. Ramsay provided an overview of a reportable incident in May involving a B-double trailer that was delivering sand aggregate for the shotcrete batch plant that had the back trailer only overturn while unloading.

## **7. Matters which the Community Representatives wish to raise with the Mine Operator**

NIL

## **8. Community Engagement Opportunities**

S. Ramsay confirmed they will be supporting the Career's Day at the Cobar School to be held on Tuesday 11 September 2018.

## **9. Meeting Dates**

It was agreed that the CCC would continue to meet quarterly in 2018.

## **10. General Business**

NIL

## **11.**

Next Meeting

1 November 2018 commencing at 10am

Meeting Closed: 12.20pm

**ACTION ITEMS**

Item	Action	By Whom
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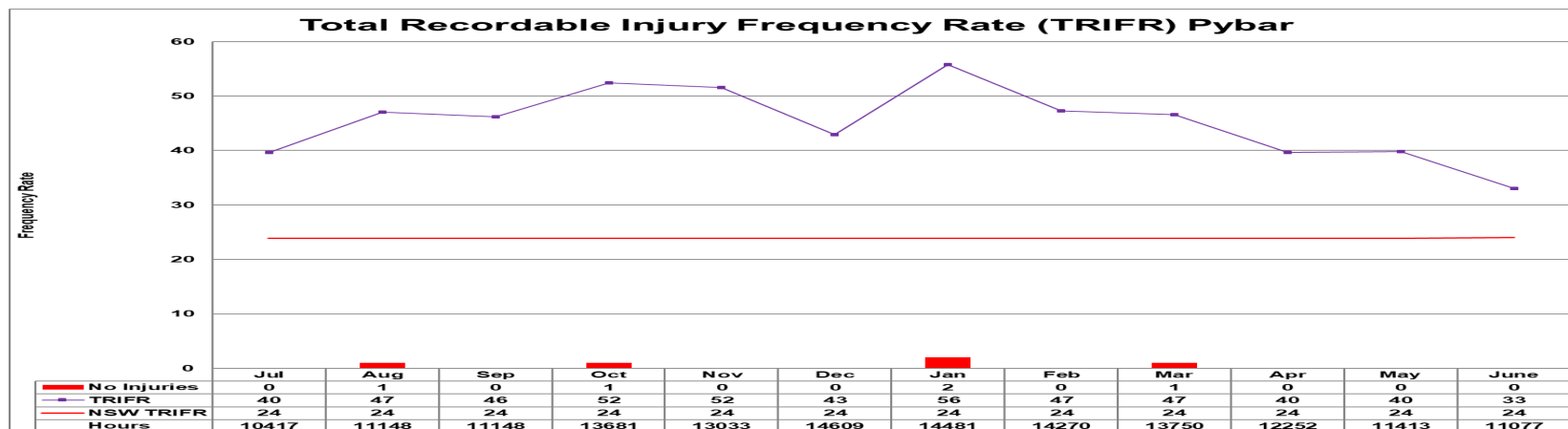
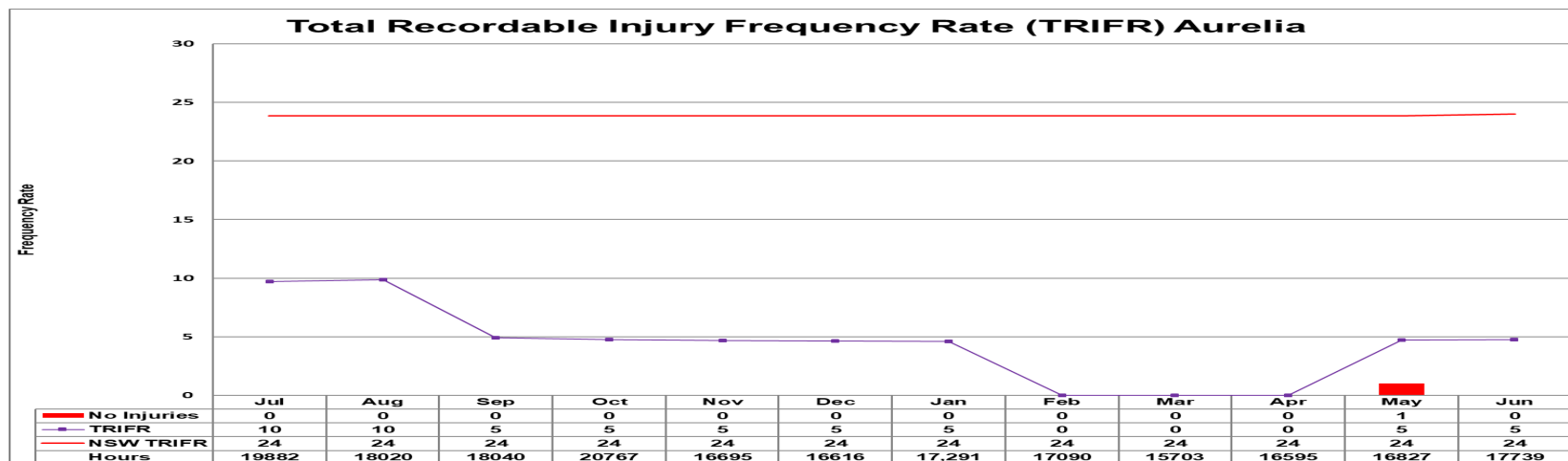
NIL



**HERA PROJECT**  
**CCC — August 2018**

# Hera Mine

## WHS Incidents — Apr 18 to Jun 18



- 31 May 18 – Restricted work injury - Steel shaft fell onto right foot



- Within the next few months, the Company is planning to commence application for MOD5;
- At this stage, the Company is still finalising the details and the information provided here is preliminary information;
- The MOD5 may include:
  - Increase transport of concentrate from Hera Mine to Hermidale rail siding from 50,000 tonne per annum (tpa) to 70,000 tpa;
  - Allow for provision of processing of Peak Mine ore in the Hera Process Plant;
  - Allow for transport of ore from Hera Mine to Peak Process Plant; and
  - Approval to construct an additional contaminated water storage / tailings decant pond.

# Hera Mine

## WHS Incidents — Apr 18 to Jun 18

- No complaints received this quarter.

# Hera Mine

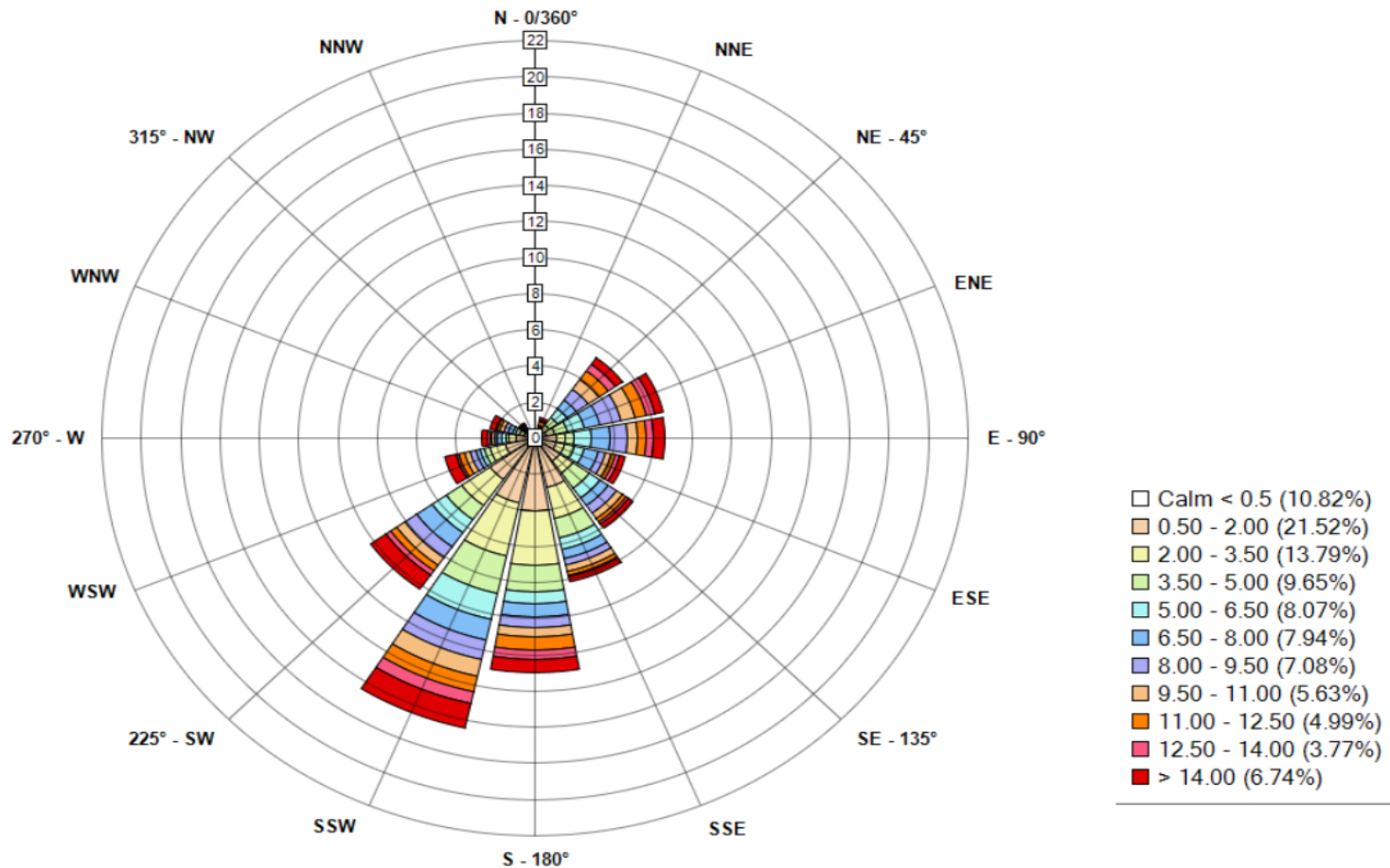
## Environmental Monitoring — Apr 18 to Jun 18

### Wind Rose Report for: Hera Resources - 10 Min Data

AVERAGE Wind Direction and AVERAGE Wind Speed in km/h

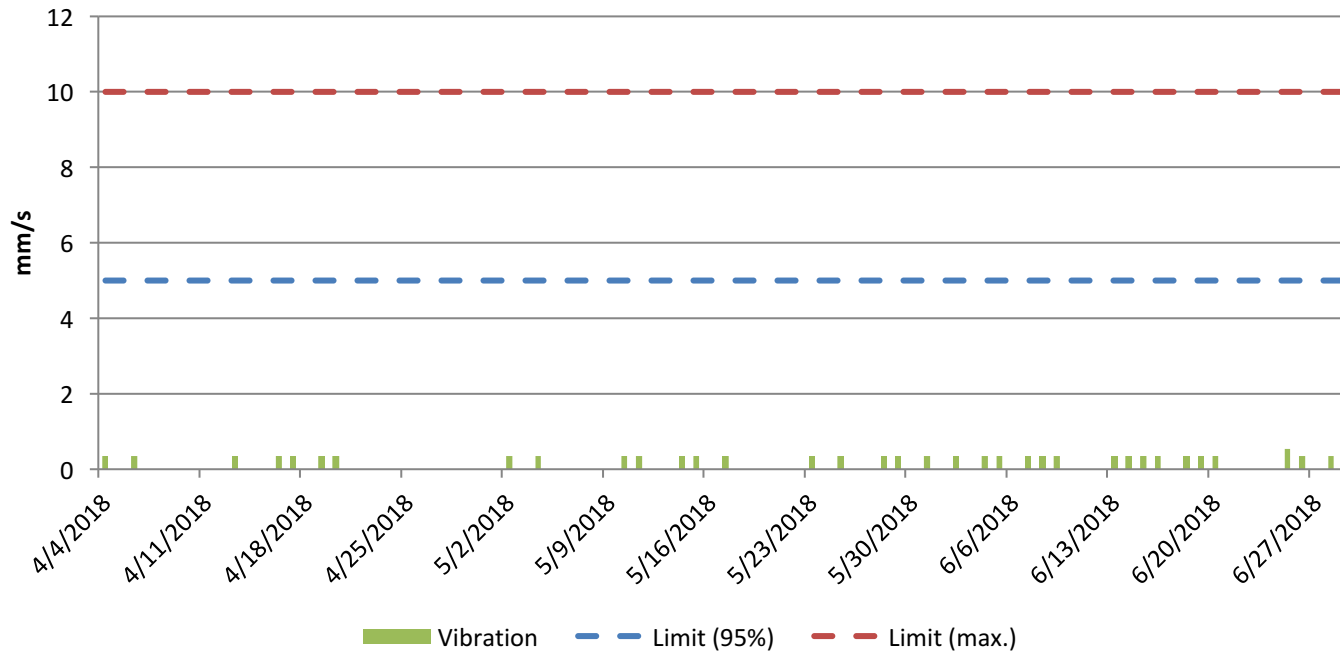
Period: 2017-04-01 00:00 to 2017-06-30 00:00

Direction the Wind is Blowing To



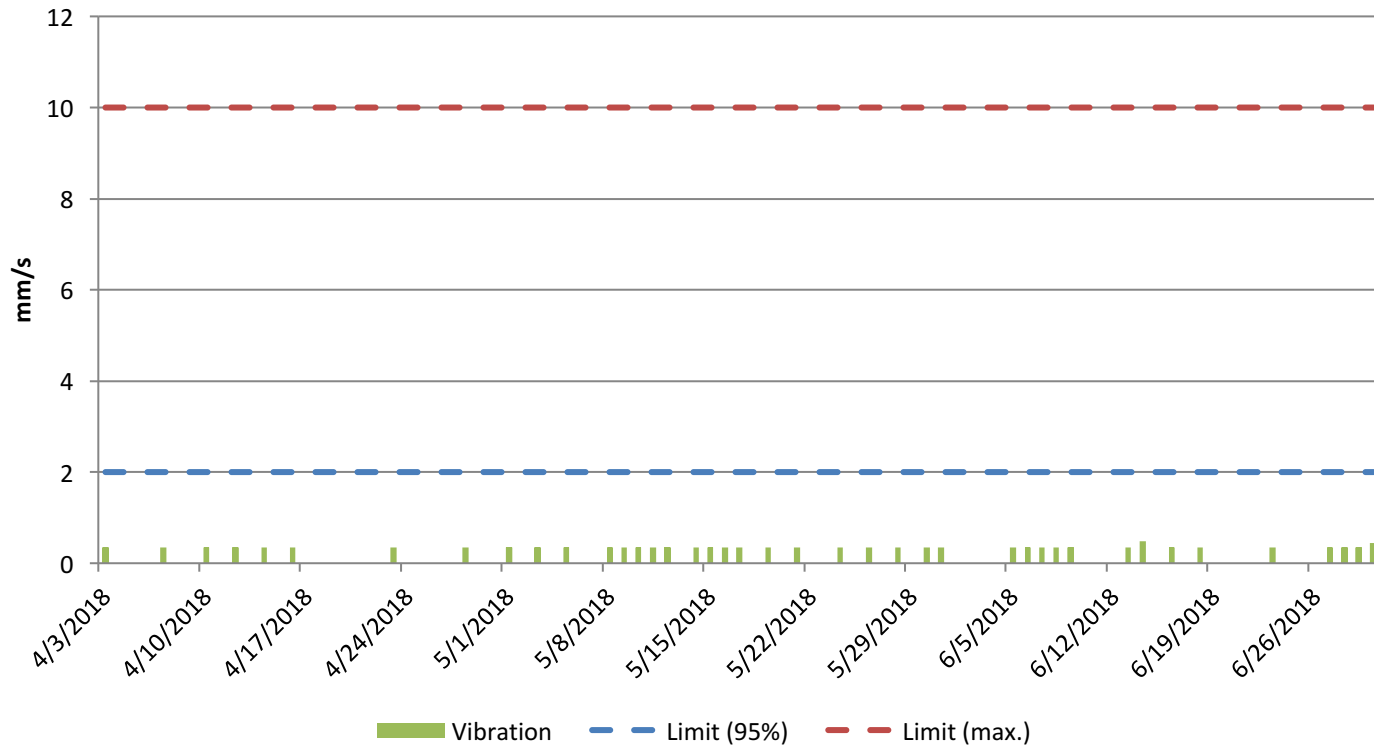


### Apr to Jun 18 - Blast Vibration (Day Time Period)



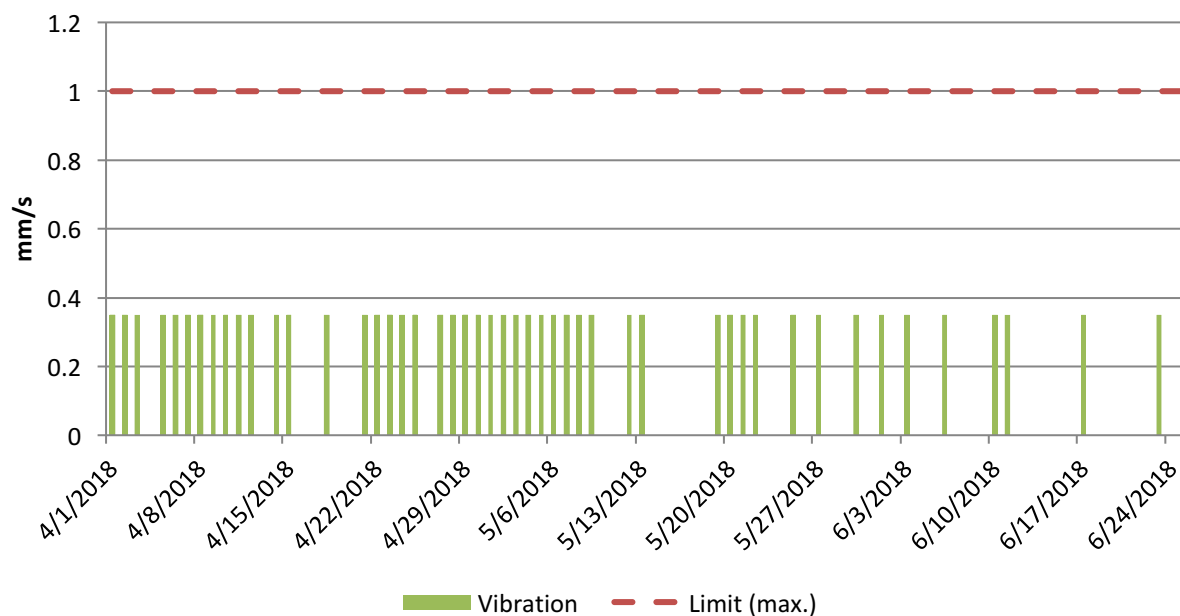
Day time period = 7am to 6pm Monday to Saturday

### Apr to Jun 18 - Blast Vibration (Evening Time Period)



Evening time period = 6pm to 10pm Monday to Saturday

### Apr to Jun 18 - Blast Vibration (Night Time Period)

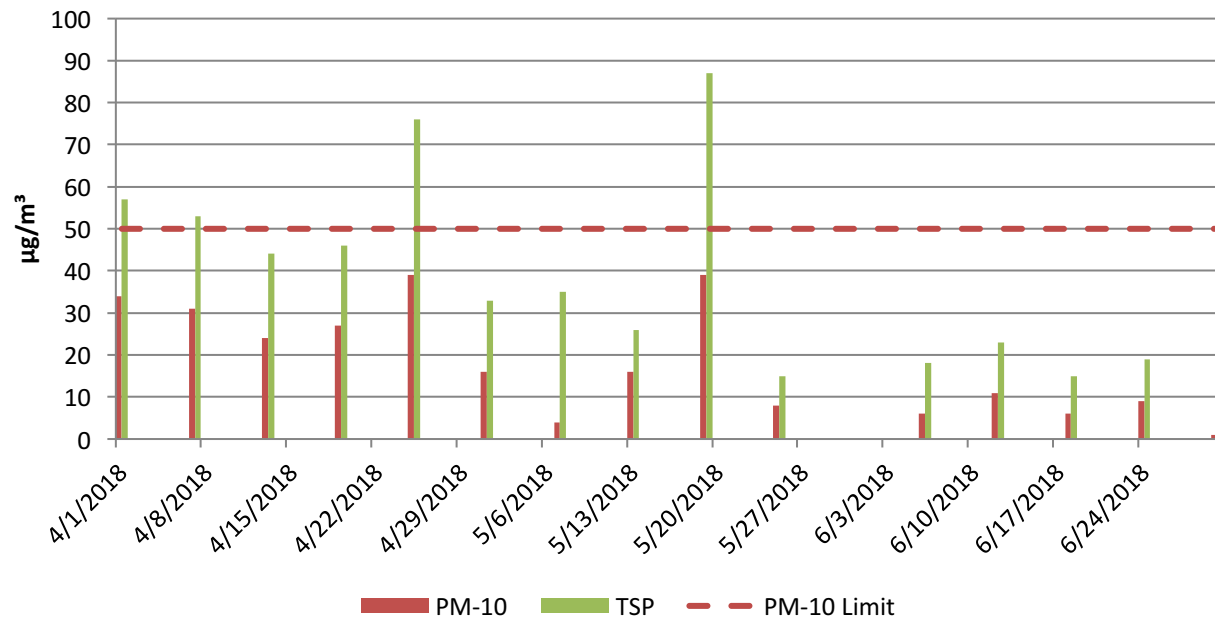


Night time period = 10pm to 7am Monday to Saturday, all day Sunday and Public Holidays

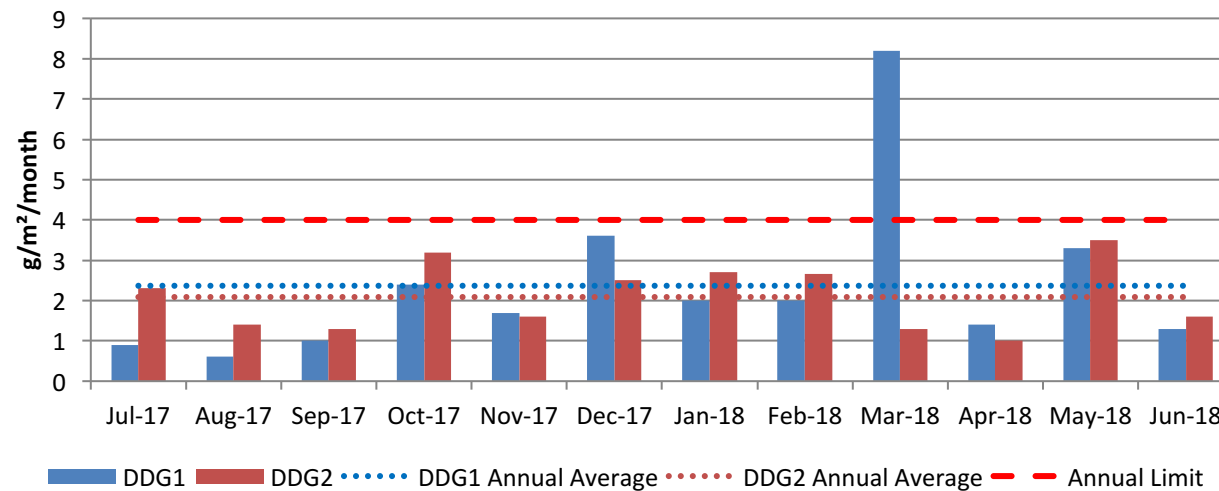
# Hera Mine

## Environmental Monitoring — Apr 18 to Jun 18

### Apr to Jun 18 - High Volume Air Sampler



### Dust Deposition Gauges



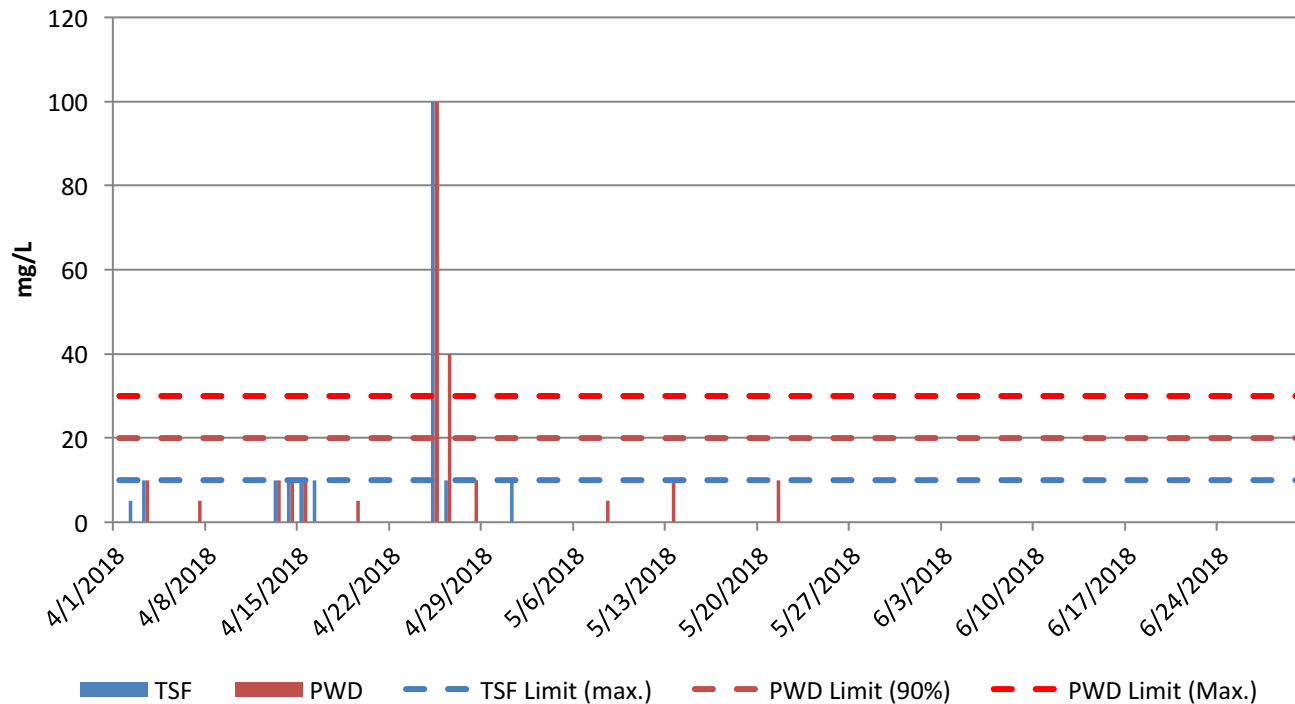


# Hera Mine

## Environmental Monitoring — Apr 18 to Jun 18

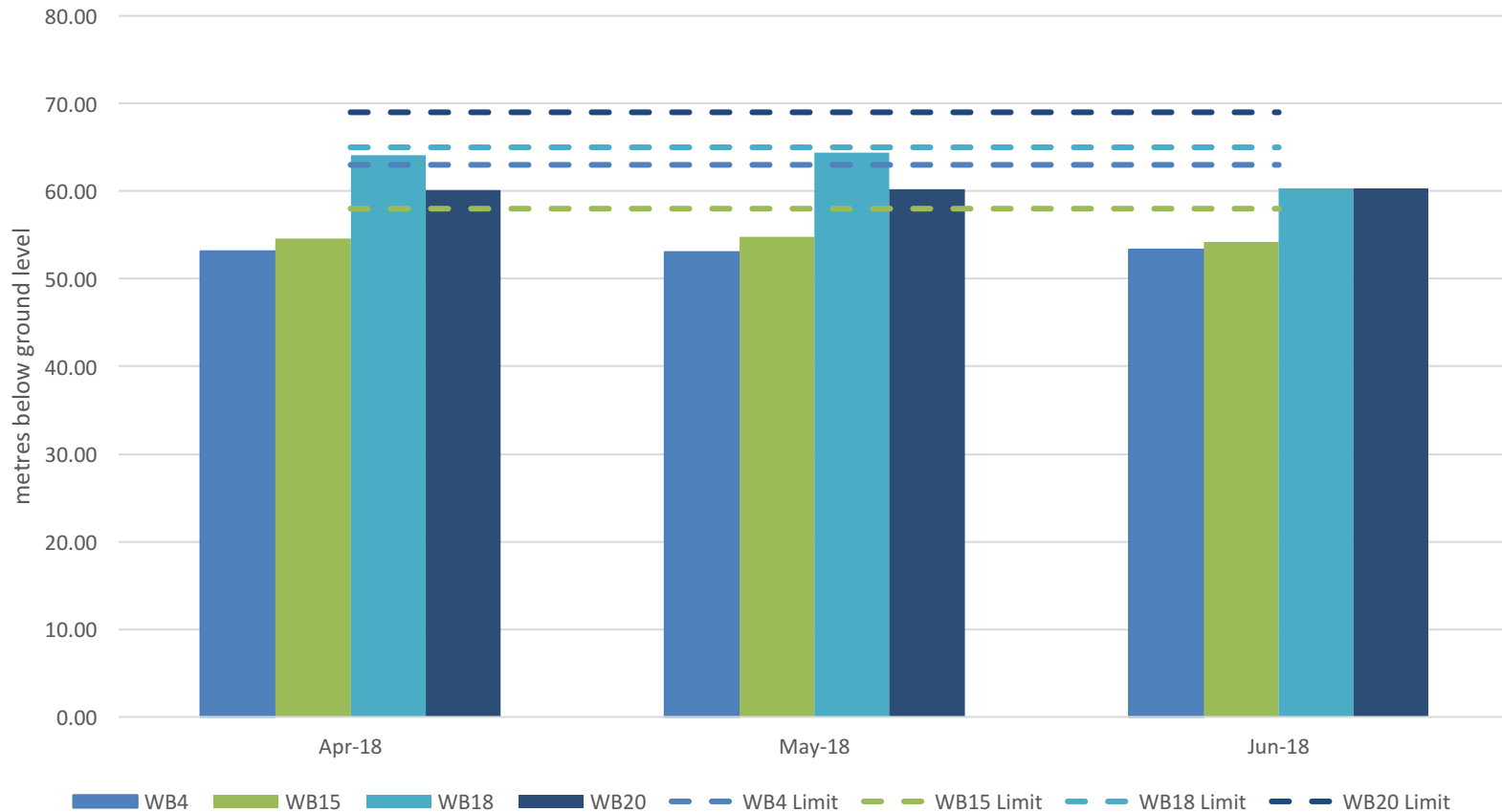
### Tailings Storage Facility & Process Water Dam Discharges

#### PWD & TSF WAD Cyanide - Jan to Mar 18



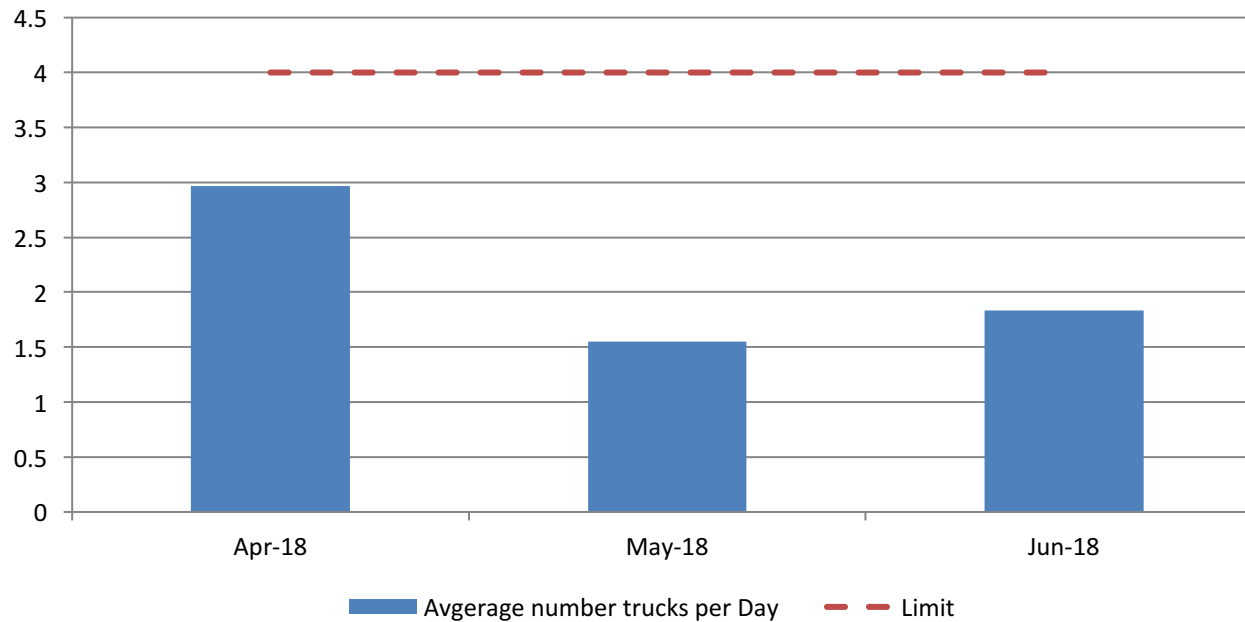
- Incident:
  - 24-26 Apr 2018:
    - Issue identified in the Merrill Crowe circuit leading to eventual discharge of solution with relevant WAD cyanide to process water dam and tailings storage facility.

### Standing Water Levels - Apr to Jun 2018

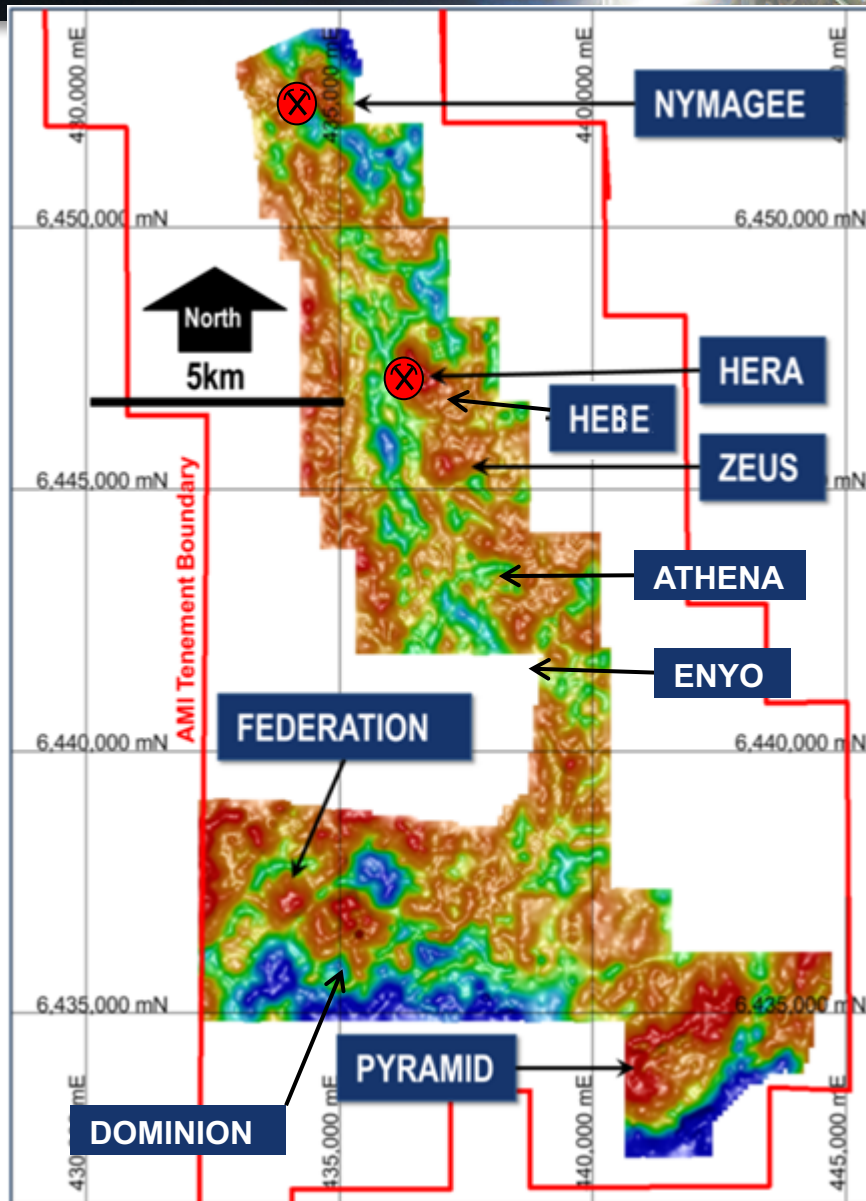


### Concentrate Truck Movements

**Concentrate Truck Movements - Jan to Mar 18**



# Upcoming Hera Exploration

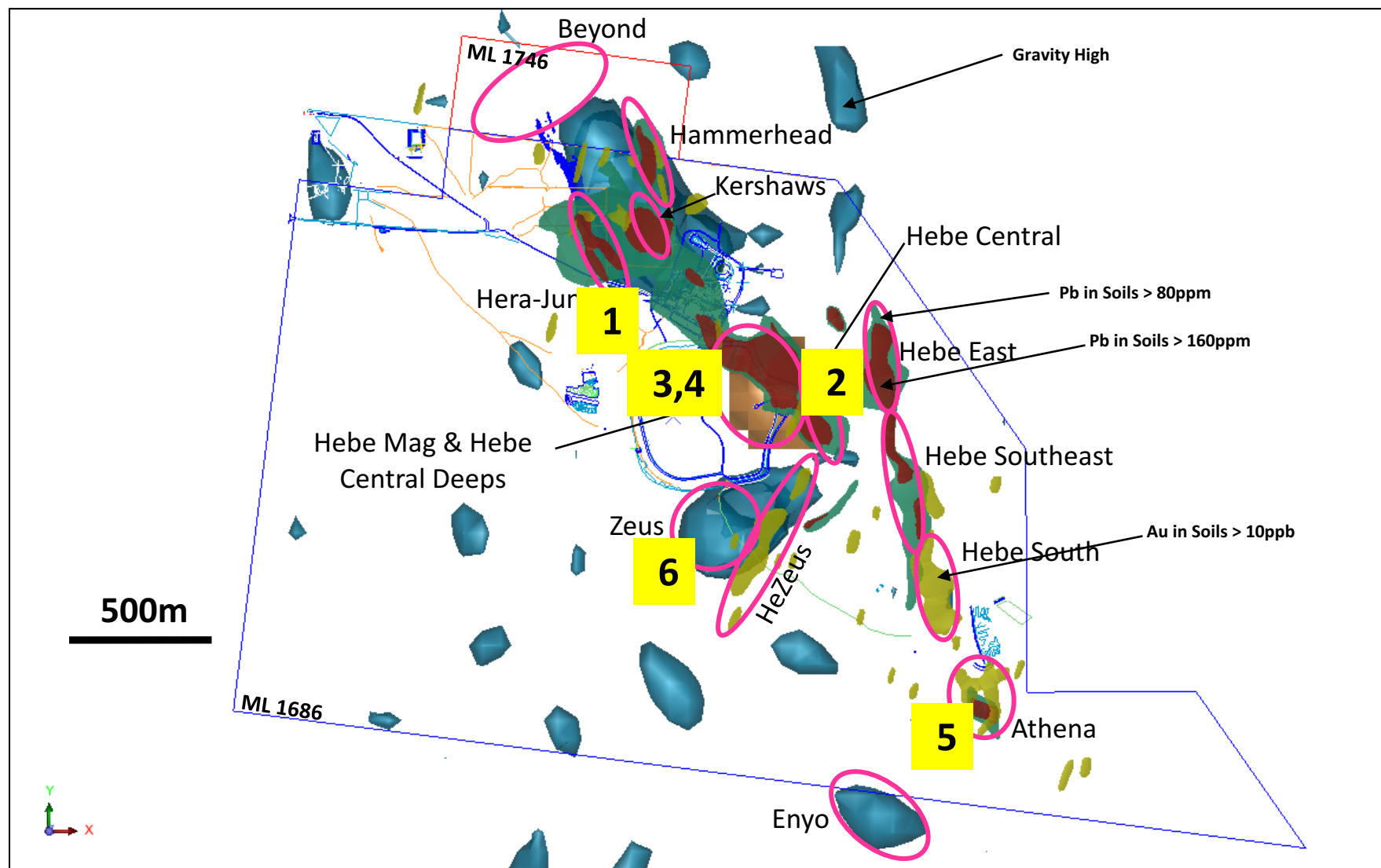


- Strong positive gravity anomalies at Hera and Nymagee
- Probably related to broad alteration systems around mineralisation
- Strong NNW-SSE trend over 15km strike
- Anomalies to the south have coincident geochemical responses
- Ground between Hera and Nymagee poorly explored, negligible drilling



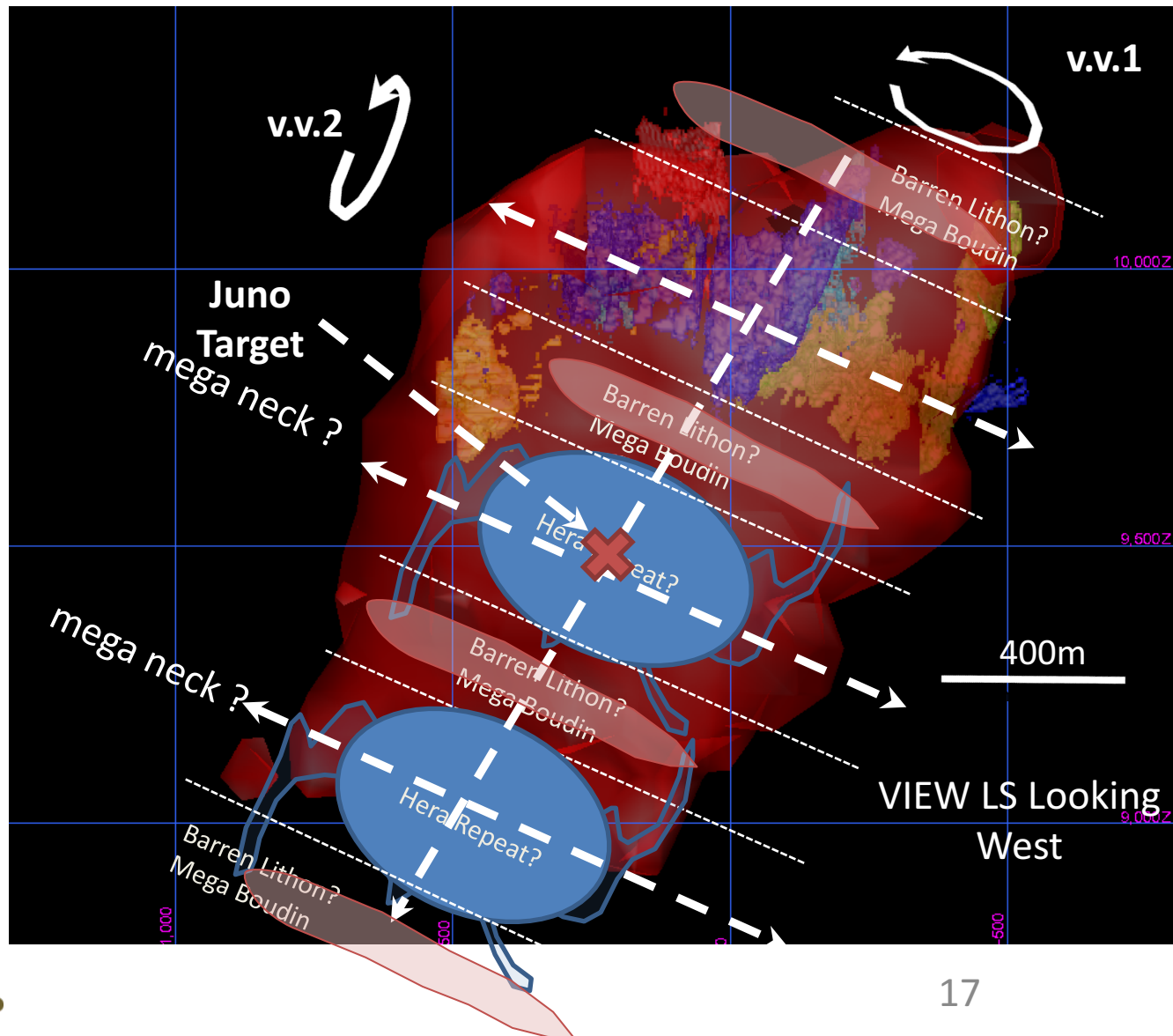
# Hera Surface Exploration

## NEAR MINE TARGETS



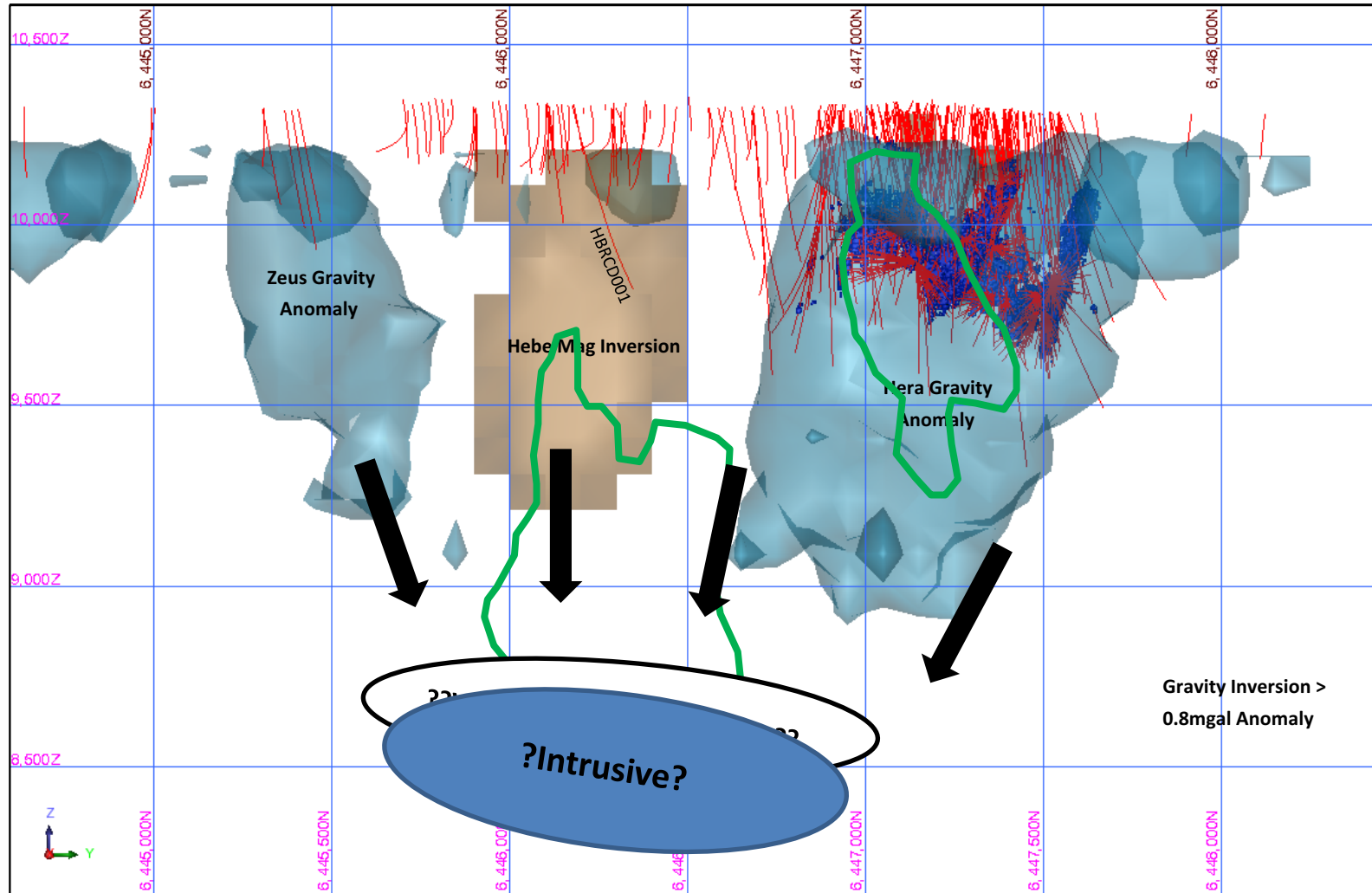
# Hera Surface Exploration

## JUNO TARGET — DOES HERA REPEAT AT DEPTH?

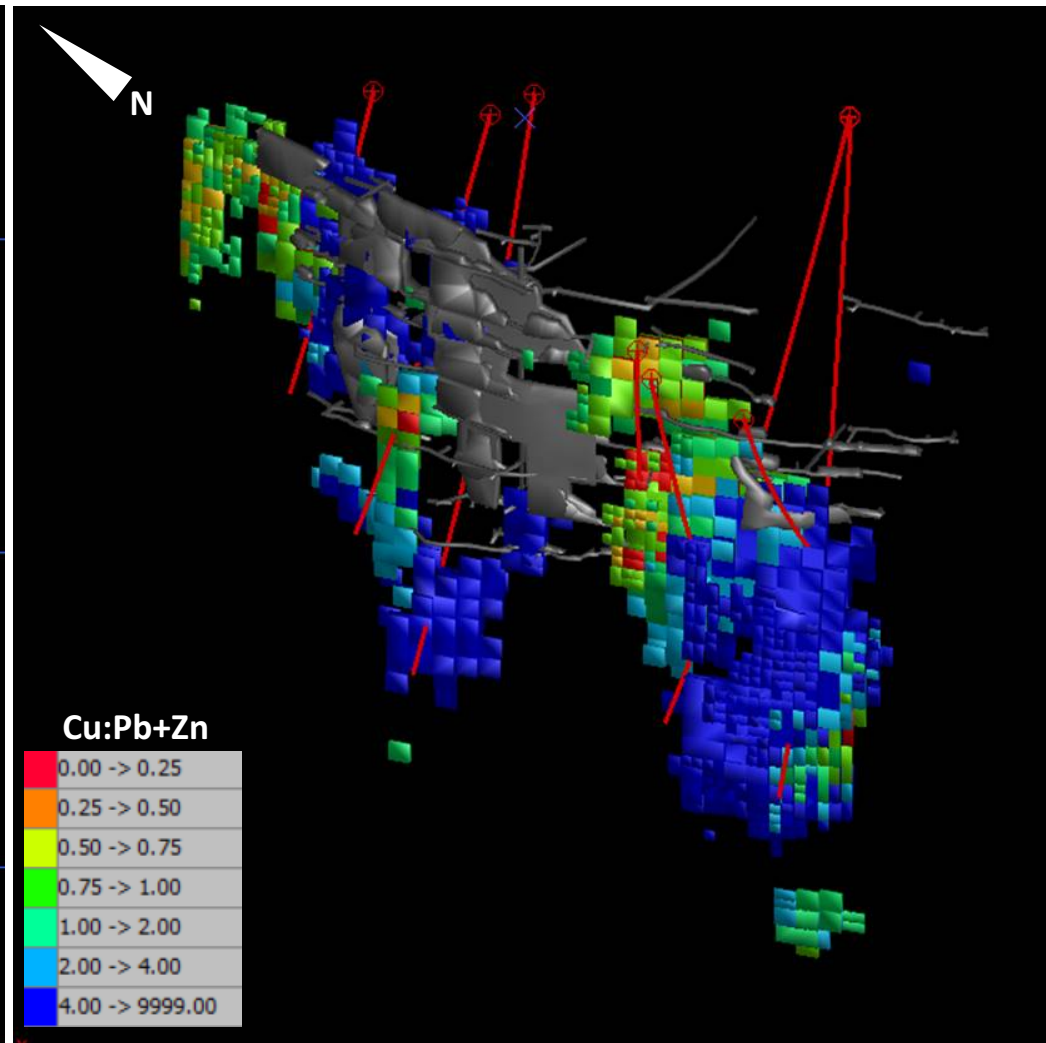
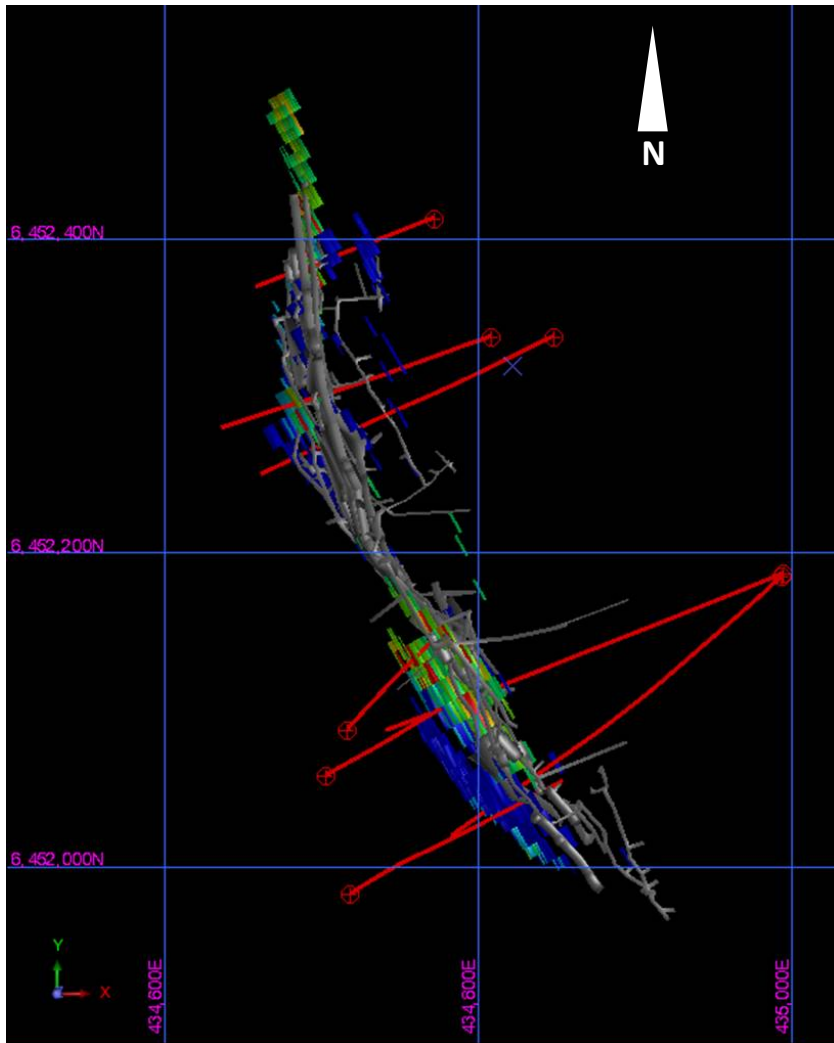


# Hera Surface Exploration

## NEAR MINE TARGETS

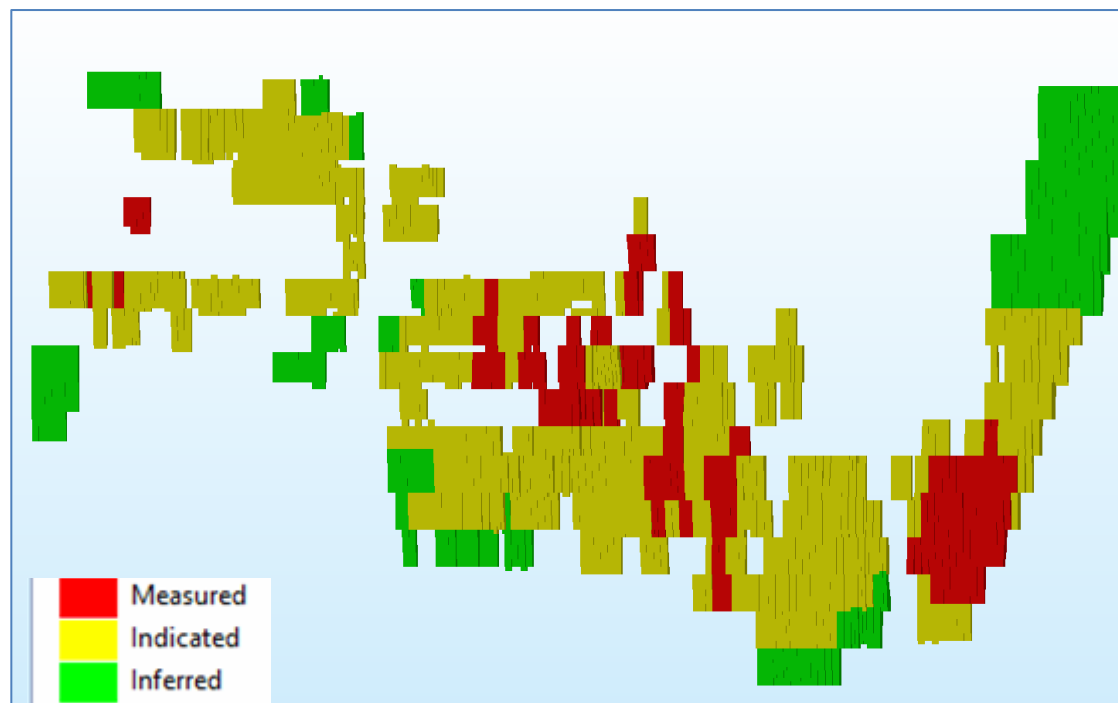


# Nymagee Mine — Metallurgy Drill Program Update



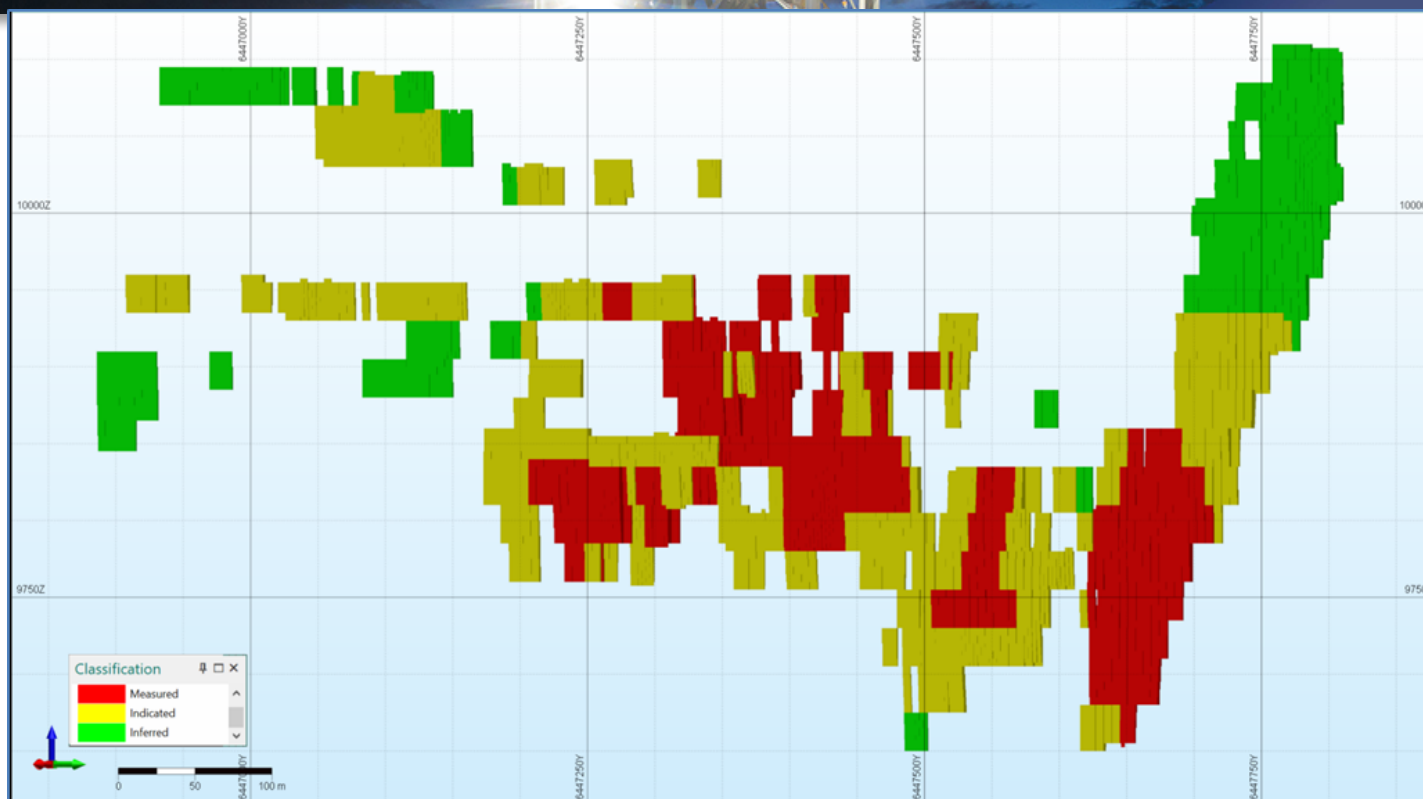
# Updated Hera Resources & Reserves





Class	Tonnes (Kt)	NSR (AU\$)	Au (g/t)	Pb (%)	Zn (%)	Ag (g/t)
<b>Measured</b>	605	260	3.0	2.8	4.0	24
<b>Indicated</b>	1,729	242	3.0	2.3	3.4	16
<b>Inferred</b>	599	231	1.9	3.2	4.6	46
<b>Total</b>	<b>2,934</b>	<b>244</b>	<b>2.8</b>	<b>2.6</b>	<b>3.8</b>	<b>24</b>

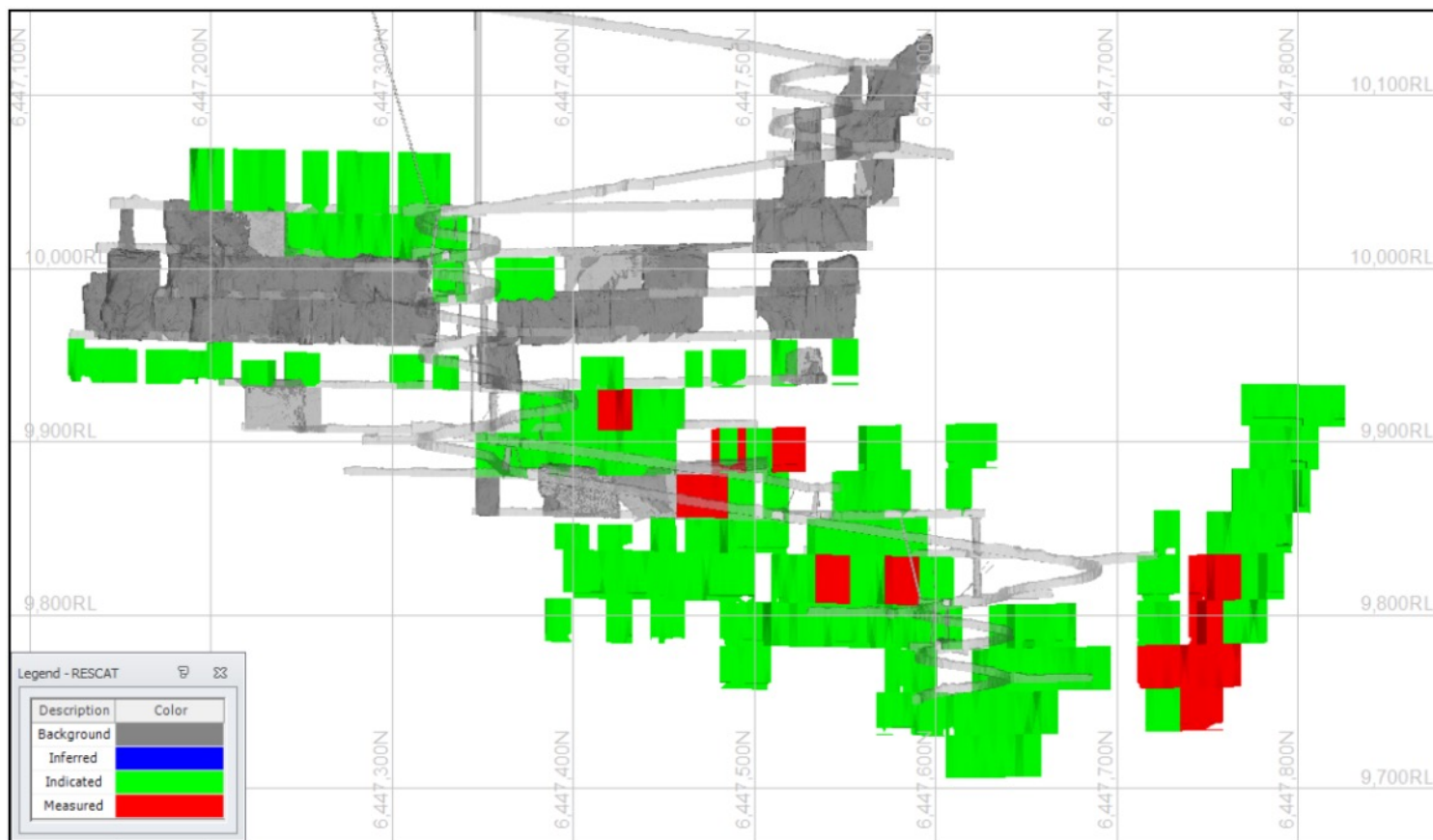
Resources calculated at a \$120 Net Smelter Return (NSR) cut-off as at 30<sup>th</sup> June 2017



Class	Tonnes (Kt)	NSR (A\$/t)	Au (g/t)	Pb (%)	Zn (%)	Ag (g/t)
<b>Measured</b>	1007	248	2.60	2.70	4.20	20.0
<b>Indicated</b>	951	228	2.70	2.10	3.20	17.0
<b>Inferred</b>	558	239	1.70	3.50	4.70	51.0
<b>Total</b>	<b>2,516</b>	<b>238</b>	<b>2.44</b>	<b>2.65</b>	<b>3.93</b>	<b>25.7</b>

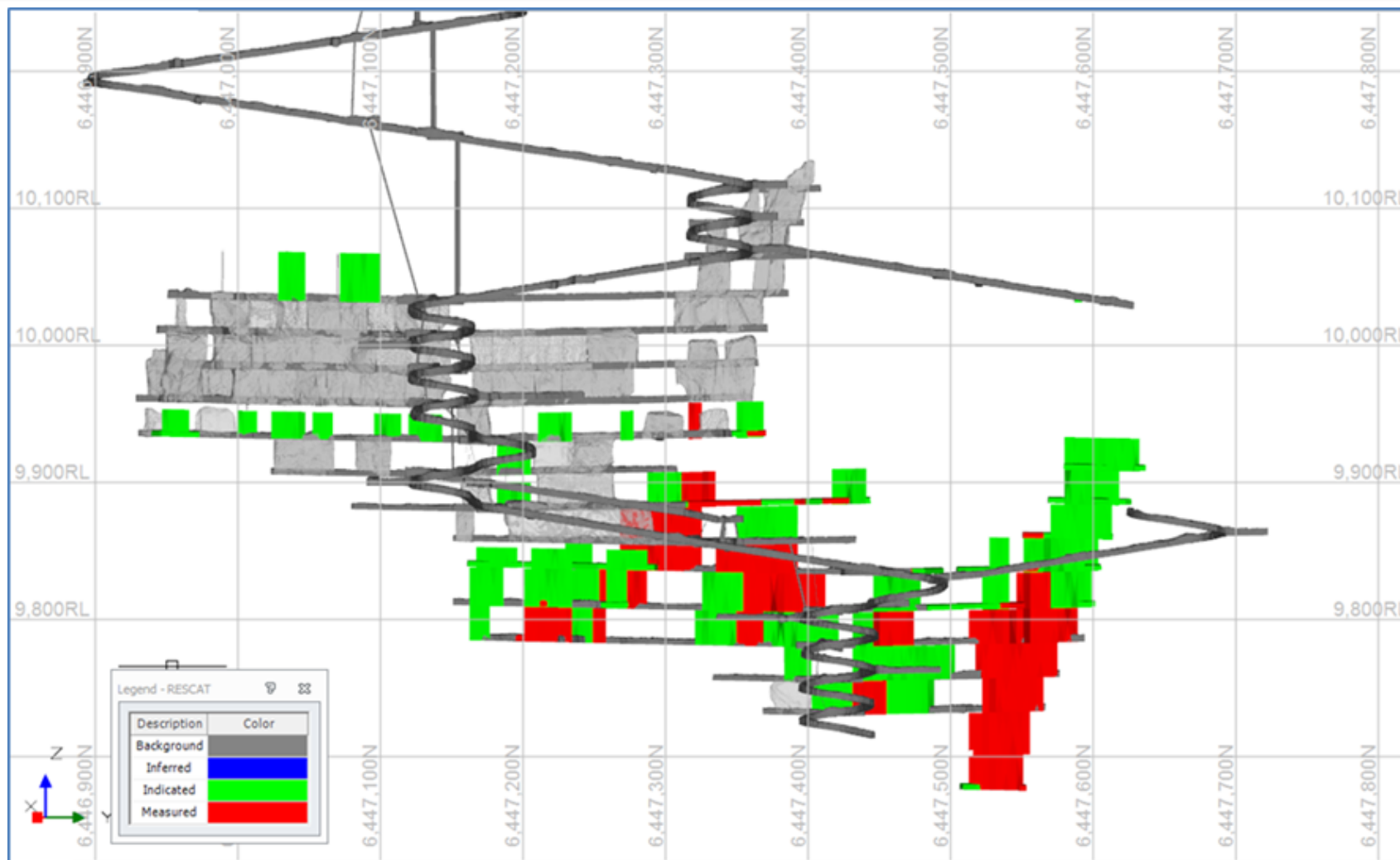
Resources calculated at a \$120 Net Smelter Return (NSR) cut-off as at 30<sup>th</sup> June 2018

# 2017 Ore Reserves

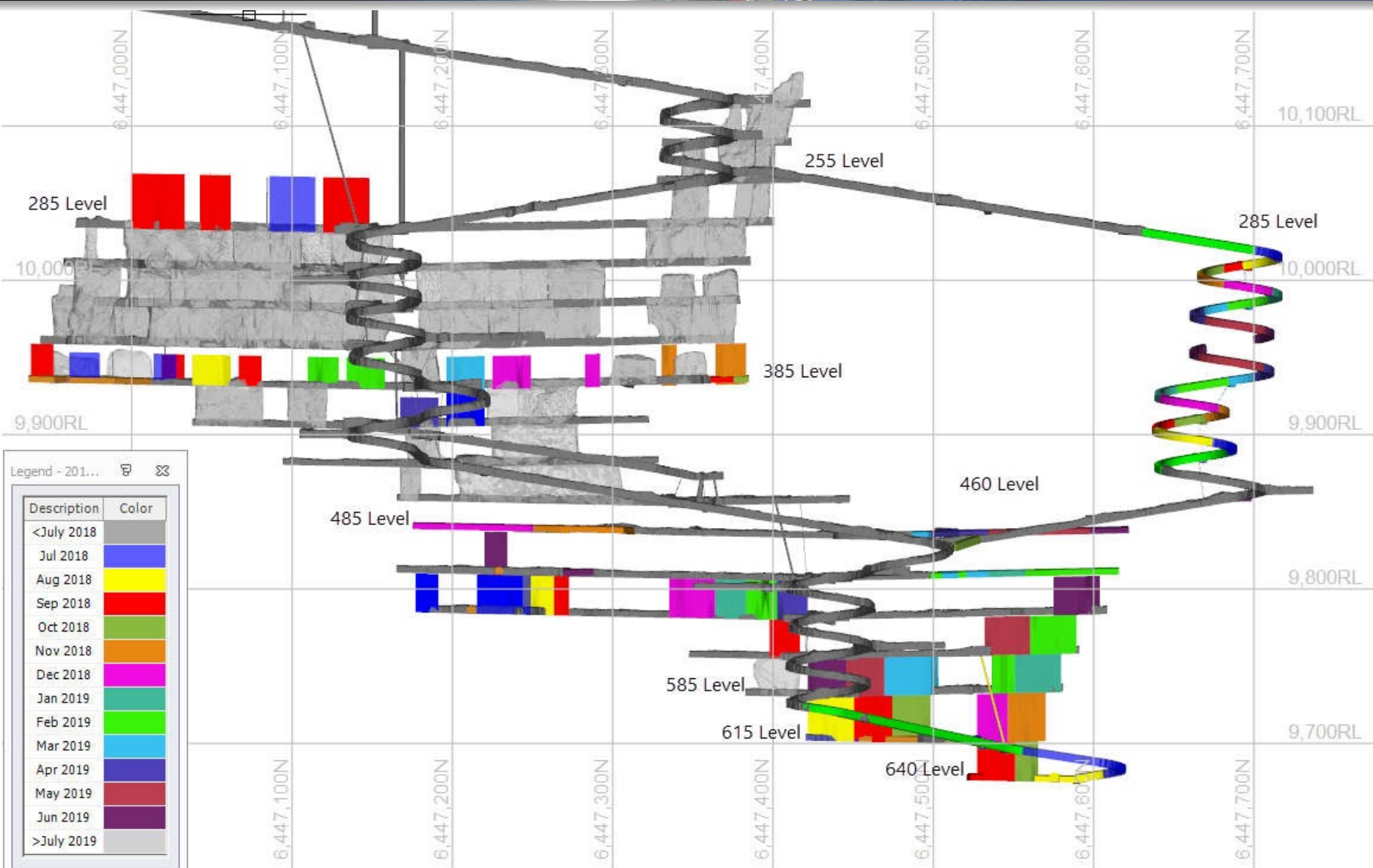


**Figure 1.** Hera Mine Ore Reserve June 2017 Long Section

# 2018 Ore Reserves

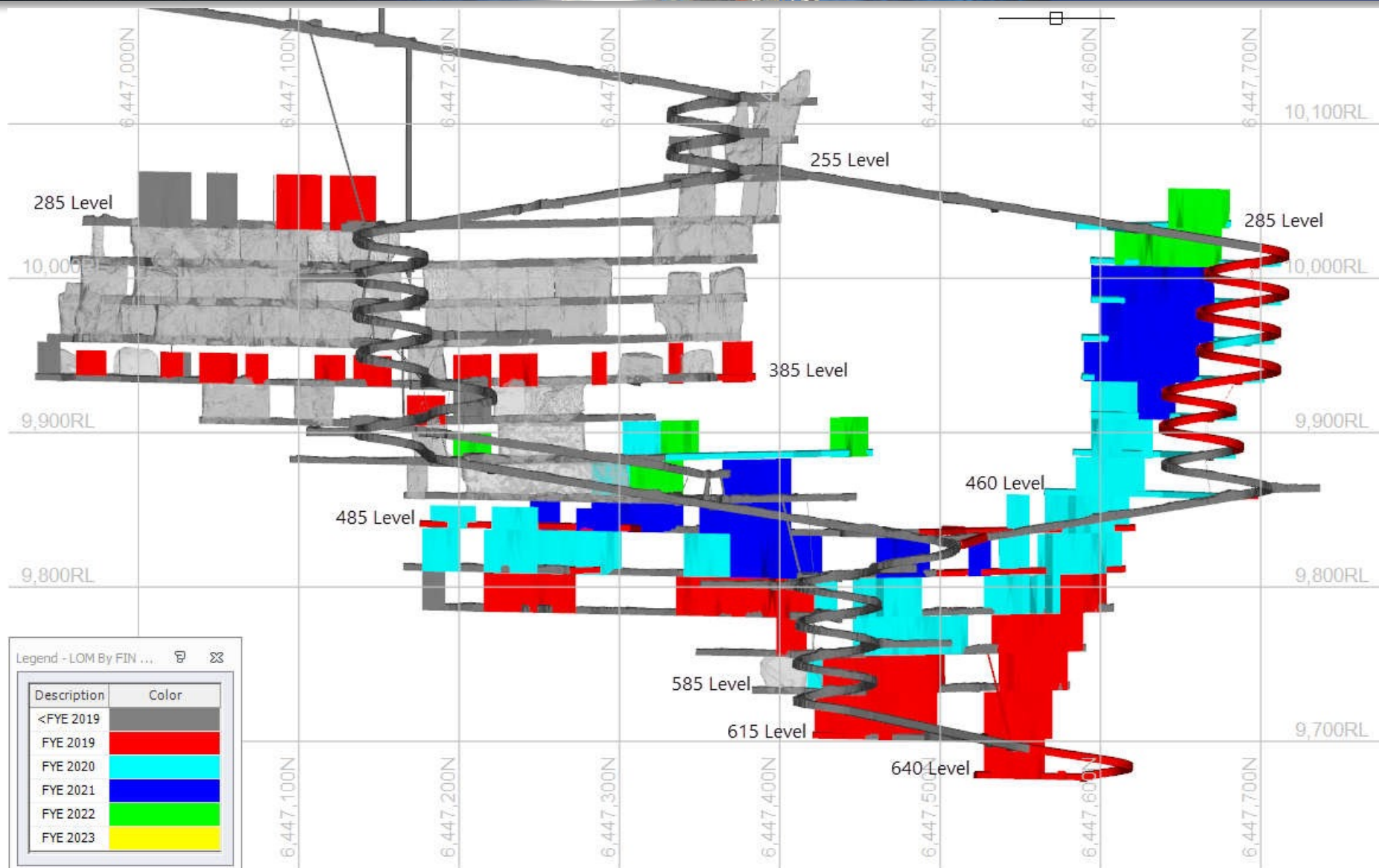


# FY19 Schedule Production























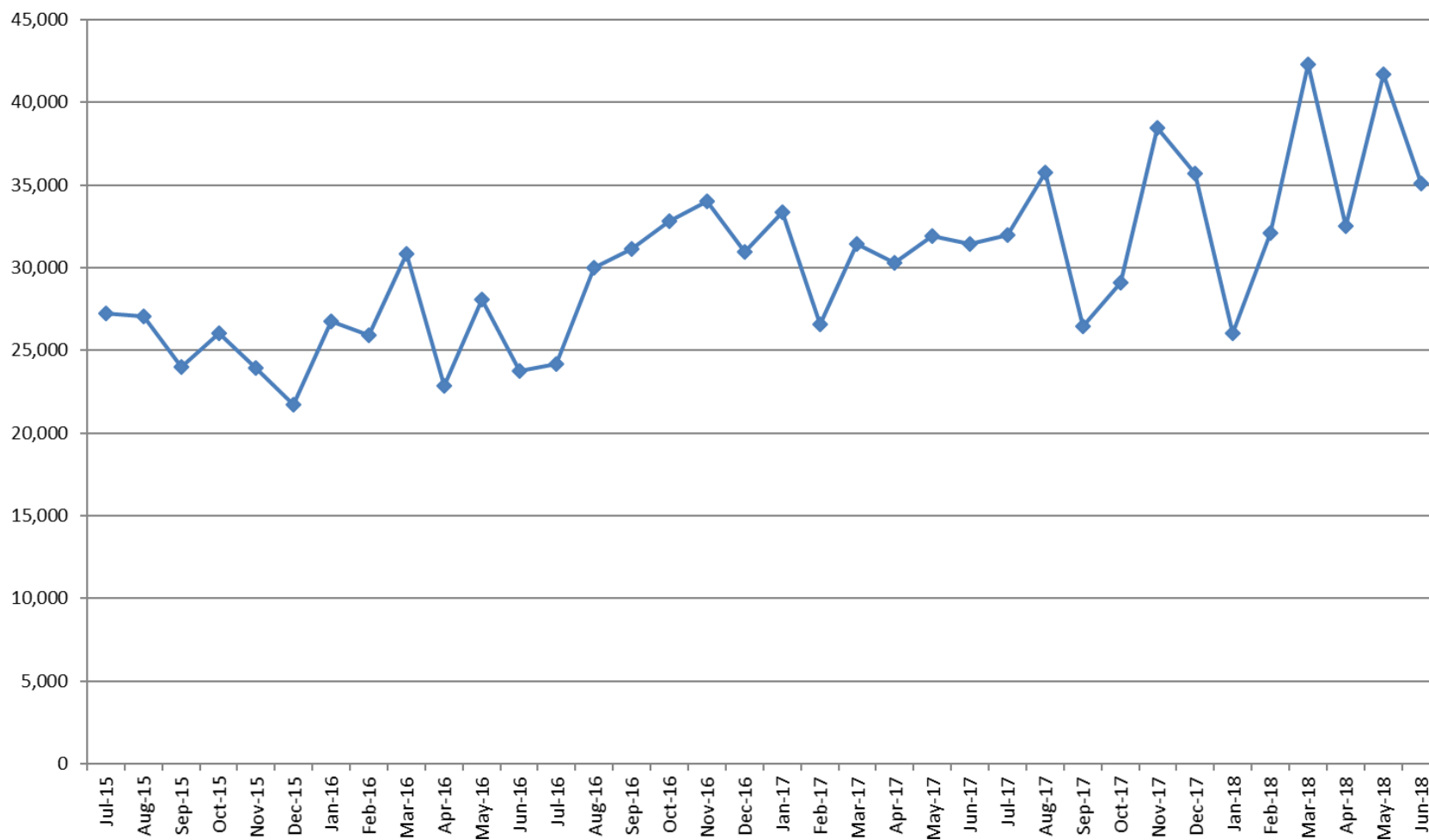
# Life of Mine — Four Years



# Hera Processing Performance

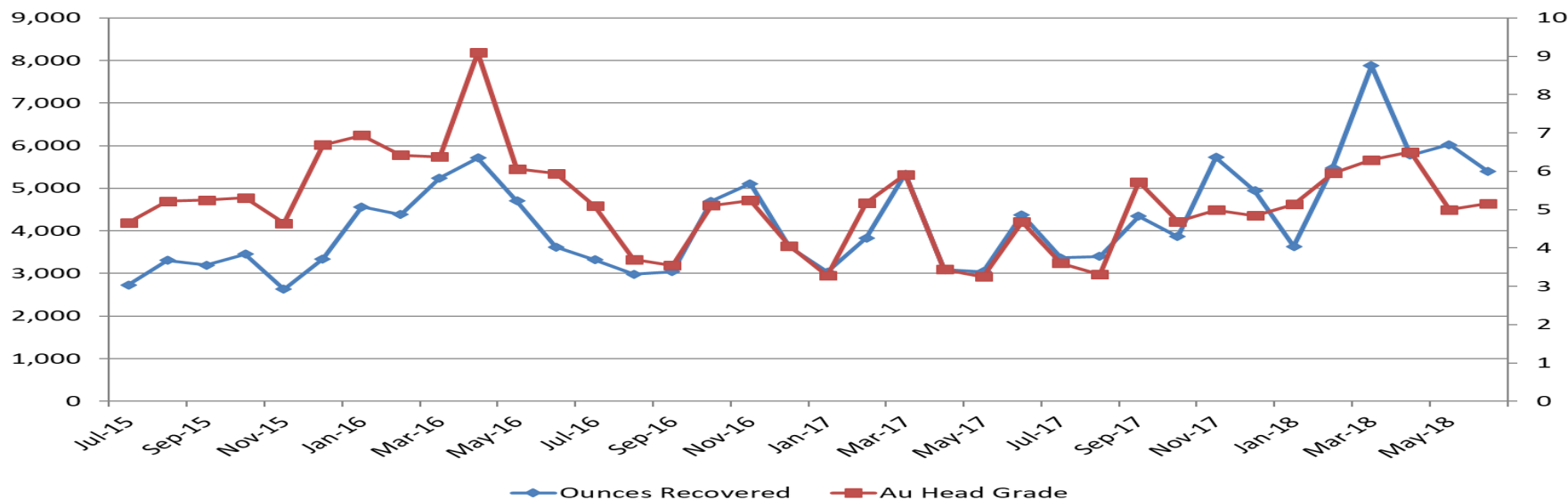
Hera - Jun 18 Qtr - KPI Scorecard		Quarter Actual	Quarter Budget	YTD Actual	YTD Budget
Safety (TRIFR)		17	20	17	20
Total Lateral development (m)		782	864	3,645	3,491
Total Ore Mined		111,411	116,957	406,234	445,171
Process throughput (t)		109,303	118,508	407,131	432,488
Gold grade processed (g/t)		5.50	4.44	5.10	4.35
Gold recovery (%)		89.0%	94.0%	89.4%	93.9%
Gold production (oz.)		17,195	15,902	59,822	56,777
Pb+Zn grade processed (%)		4.8%	6.9%	6.2%	7.2%
Conc production (dmt)		8,319	12,719	40,756	48,376
Conc grade (%)		55.3%	58.0%	55.6%	58.0%
Recovery - Lead		87%	90%	89%	90%
Recovery - Zinc		88%	90%	90%	90%
Production - Contained Metal - Lead		1,803	3,159	9,609	11,682
Production - Contained Metal - Zinc		2,800	4,218	13,031	16,376
Silica in conc (%)		3.6%	3.0%	4.0%	3.0%
Gold losses to Conc (g/t)		2.71	1.02	2.22	1.14
Total onsite cost (opex+capex) (\$/t)		158	151	169	163
Notional cash flow (after growth capital)		20,023	19,870	72,074	64,337

## Mill Monthly Throughput

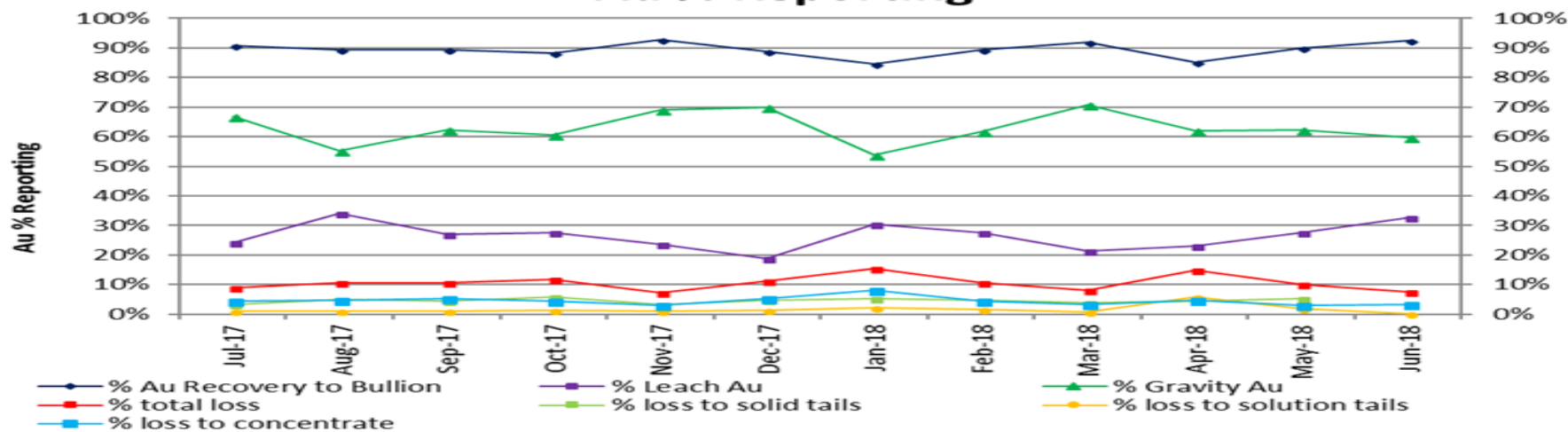


# Historical Gold Performance

## Ounces Recovered vs Head Grade

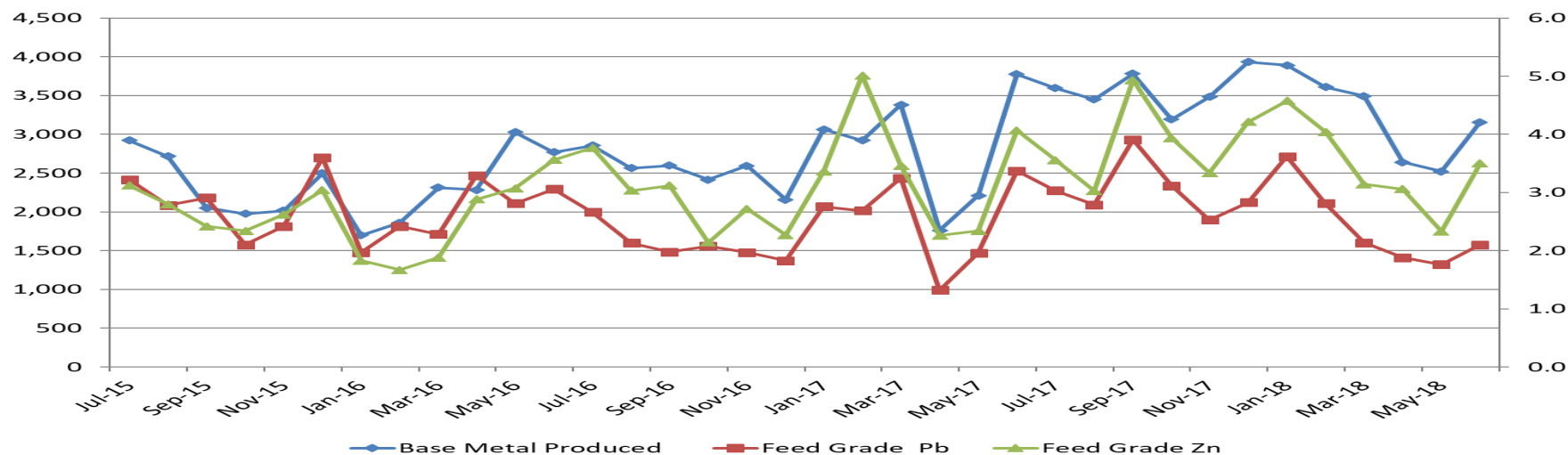


## Au % Reporting



# Historical Base Metals Performance

**Base Metal Production vs Head Grade**



**Base Metal Recovery vs Head Grade**

