

## Key Mining Approval Received for Fountain Head Gold Project, NT

### Highlights

- NT Government approves the amended Mining Management Plan (MMP) for Fountain Head
- Approval of the MMP marks a significant regulatory milestone, unlocking the potential to develop the project
- 2,000m of RC drilling is underway at Glencoe and 500m of diamond drilling is planned to commence at Fountain Head shortly, to test for high-grade extensions to the existing 234koz Resource base
- Updated Mineral Resource Estimate for Fountain Head planned for 2025

Patronus Resources Limited (ASX: PTN; “Patronus” or “the Company”) is pleased to advise that the Northern Territory Government has approved the amended Mining Management Plan (MMP) for its 100%-owned Fountain Head Gold Project, located in the Pine Creek region 170km by road from Darwin in the Northern Territory.

Approval was granted by the NT Minister for Lands, Planning and Environment, the Honourable Joshua Burgoyne, for the amended MMP submitted on 13 December 2023. Environmental approval for the project was granted on 17 February 2023 under the NT Environment Protection Act 2019.

The approval of the MMP represents a key regulatory milestone, allowing the Fountain Head Gold Project to advance towards development.

As outlined in its recent activities update on 28 October (see Patronus ASX release 28 October 2024), Patronus has embarked on a 2,500m program of reverse circulation and diamond drilling to extend and upgrade the current 234koz Resource base at the Fountain Head Gold Project, which comprises the Fountain Head (96koz), Tally Ho (59koz) and Glencoe (79koz) gold deposits. Further drilling and an updated Mineral Resource Estimate are planned for 2025.

Patronus Resources’ CEO, John Ingram, said:

*“We are delighted with the timely receipt of the MMP approval from Minister Burgoyne, and I would like to thank the NT Government for their efficient management and oversight of this process, which demonstrates their ongoing commitment to support the development of new resource projects in the Territory.”*

*“This is an important regulatory approval which allows us to move the Fountain Head Project forward. We are looking forward to receiving assay results from the current RC drilling at Glencoe and the imminent commencement of diamond drilling at Fountain Head, as part of a new phase of work aimed at expanding and upgrading the current resources to inform future development scenarios.”*

---

**ASX Code: PTN**

Shares on issue: 1637 million

Market Capitalisation: \$110 million

Cash & Liquid Investments: \$83M (30 September 2024)

**PATRONUS RESOURCES**

Level 1, 24 Outram Street

WEST PERTH WA 6005

P: +61 08 9242 2227

E [info@patronusresources.com.au](mailto:info@patronusresources.com.au)

[patronusresources.com.au](http://patronusresources.com.au)

**-ENDS-**

Authorised for release by the Board of Directors

**For further information, please contact:**

**Investor enquiries**

John Ingram  
 CEO, Patronus Resources  
 +61 8 9242 2227

**Media enquiries**

Nicholas Read  
 Read Corporate  
 +61 419 929 046

**ABOUT PATRONUS RESOURCES LTD**

Patronus Resources (ASX: PTN) is a leading Northern Territory and West Australian gold, base metals and uranium development and exploration company, with a combined gold Mineral Resource of more than **1.4Moz** gold.

The Northern Territory Project boasts more than 1,500 square kilometres of prime tenure in the Pine Creek Orogen, which hosts significant gold and world class uranium deposits. Patronus has a current gold MRE of 0.3Moz at its Fountain Head Project and 177kt zinc, 37kt lead, 16Moz silver and 0.2Moz gold at its Iron Blow and Mt Bonnie base metals projects.

Patronus's key focus in WA is its 100% owned Cardinia Gold Project (CGP) located in the highly prospective North-Eastern Goldfields region of Western Australia. The CGP has a 0.9 Moz gold Mineral Resource defined in both oxide and deeper primary mineralisation at Cardinia East and Mertondale.

With a proven track record of monetisation of assets and a strong balance sheet, PTN is poised to deliver strong growth to PTN shareholders throughout this period of transformational growth.

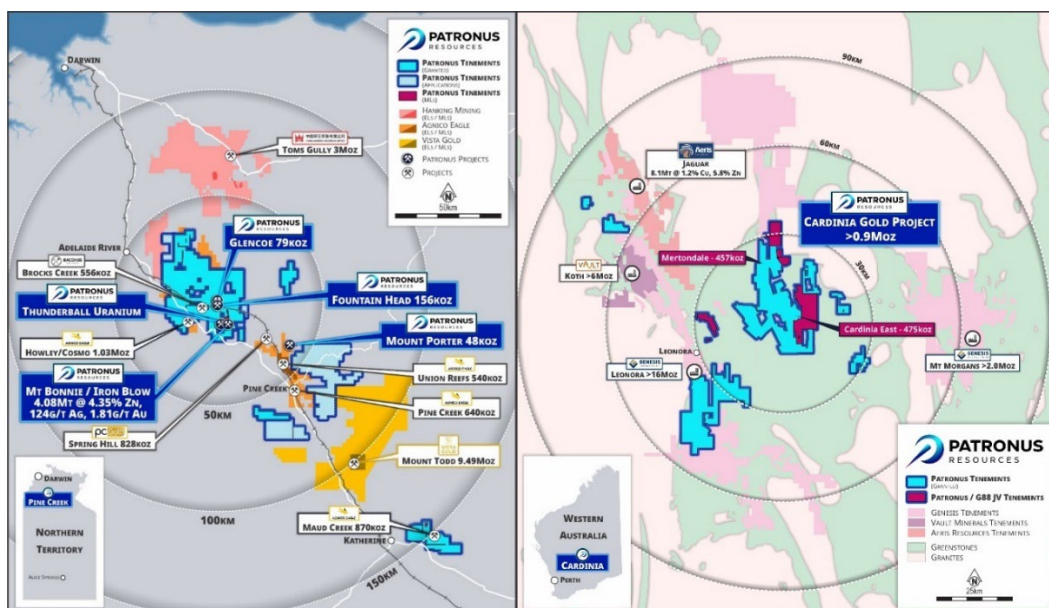


Figure 1 – Patronus has 1,500km<sup>2</sup> of tenure in the Pine Creek Orogen of the Northern Territory and 739km<sup>2</sup> of tenure in the highly prospective Leonora region of Western Australia. Pine Creek hosts significant gold and world-class uranium deposits and Leonora is prolific in both world-class gold deposits as well as base metal mineralisation.

## Mineral Resources - Gold

Project Area	Measured			Indicated			Inferred			TOTAL		
	Tonnes (Mt)	Grade (g/t Au)	Ounces ('000)	Tonnes (Mt)	Grade (g/t Au)	Ounces ('000)	Tonnes (Mt)	Grade (g/t Au)	Ounces ('000)	Tonnes (Mt)	Grade (g/t Au)	Ounces ('000)
<b>Mertondale</b>												
Mertons Reward	-	-	-	0.9	2.15	62	2.0	0.65	41	2.9	1.11	103
Mertondale 3-4	-	-	-	1.3	1.85	80	1.0	0.95	32	2.4	1.46	112
Tonto	-	-	-	1.9	1.14	68	1.1	1.24	45	3.0	1.17	113
Mertondale 5	-	-	-	0.5	1.59	27	0.9	1.20	34	1.4	1.35	62
Eclipse	-	-	-	-	-	-	0.8	0.97	24	0.8	0.97	24
Quicksilver	-	-	-	-	-	-	1.2	1.08	42	1.2	1.08	42
Mertondale U/G	-	-	-	0.0	2.41	1	0.0	2.67	1	0.0	2.55	1
<b>Mertondale Total</b>	-	-	-	<b>4.6</b>	<b>1.60</b>	<b>237</b>	<b>7.0</b>	<b>0.97</b>	<b>220</b>	<b>11.7</b>	<b>1.22</b>	<b>457</b>
<b>Cardinia East</b>												
Helens	-	-	-	1.4	1.46	64	1.3	1.35	57	2.7	1.41	121
Helens East	-	-	-	0.4	1.71	24	1.0	1.50	46	1.4	1.57	70
Fiona	-	-	-	0.2	1.32	10	0.1	1.05	3	0.3	1.25	13
Rangoon	-	-	-	1.3	1.29	56	1.5	1.35	65	2.8	1.32	121
Hobby	-	-	-	0.0	0.00	0	0.6	1.26	23	0.6	1.26	23
Cardinia Hill	-	-	-	0.5	2.21	38	1.6	1.11	59	2.2	1.38	97
Cardinia U/G	-	-	-	0.0	2.56	1	0.4	2.41	29	0.4	2.41	29
<b>Cardinia East Total</b>	-	-	-	<b>3.9</b>	<b>1.53</b>	<b>193</b>	<b>6.4</b>	<b>1.36</b>	<b>282</b>	<b>10.4</b>	<b>1.42</b>	<b>475</b>
<b>TOTAL WA</b>				<b>8.6</b>	<b>1.56</b>	<b>430</b>	<b>13.5</b>	<b>1.16</b>	<b>501</b>	<b>22.1</b>	<b>1.31</b>	<b>932</b>
<b>Fountain Head</b>												
Fountain Head	-	-	-	0.9	1.40	41	1.1	1.60	56	2.0	1.50	96
Tally Ho	-	-	-	0.9	2.00	59	-	-	-	0.9	2.00	59
Glencoe	0.4	1.32	18	1.2	1.13	43	0.5	1.18	18	2.1	1.18	79
<b>Subtotal Fountain Head</b>	<b>0.4</b>	<b>1.32</b>	<b>18</b>	<b>3.0</b>	<b>1.47</b>	<b>143</b>	<b>1.6</b>	<b>1.43</b>	<b>74</b>	<b>5.0</b>	<b>1.44</b>	<b>234</b>
<b>Mt Porter</b>												
Mt Porter	-	-	-	0.5	2.30	40	0.5	1.90	8	0.70	2.20	48
<b>TOTAL NT</b>	<b>0.4</b>	<b>1.32</b>	<b>18</b>	<b>3.5</b>	<b>1.2</b>	<b>183</b>	<b>2.1</b>	<b>1.21</b>	<b>82</b>	<b>5.7</b>	<b>1.53</b>	<b>282</b>
<b>TOTAL RESOURCES</b>	<b>0.4</b>	<b>1.32</b>	<b>18</b>	<b>12.1</b>	<b>1.57</b>	<b>613</b>	<b>15.6</b>	<b>1.17</b>	<b>583</b>	<b>27.8</b>	<b>1.36</b>	<b>1,214</b>

The information in this table that relates to the Mineral Resources for Mertondale and Cardinia East have been extracted from the Company's ASX announcement on 3 July 2023 titled "Cardinia Gold Project Mineral Resource Passes 1.5Moz" and are available at [www.asx.com](http://www.asx.com). Mineral Resources reported in accordance with JORC 2012 using a 0.4 g/t Au cut-off within AUD2,600 optimisation shells<sup>1</sup>. Underground Resources are reported using a 2.0 g/t cut-off grade outside AUD2,600 optimisation shells. The information in this table that relates to the Mineral Resources for Fountain Head and Tally Ho have been extracted from the ASX announcement of PNX Metals Limited (PNX) on 16 June 2020 titled "Mineral Resource Update at Fountain Head" and are reported utilising a cut-off grade of 0.7 g/t Au and can be found at [www.asx.com](http://www.asx.com) reported under the ASX code 'PNX'. The information in this table that relates to the Mineral Resources for Glencoe have been extracted from the PNX ASX announcement on 30<sup>th</sup> August 2022 titled "Glencoe Gold MRE Update" and are reported utilising a cut-off grade of 0.7g/t Au and can be found at [www.asx.com](http://www.asx.com) reported under the ASX code 'PNX'. The information in this table that relates to the Mineral Resources for Mt Porter have been extracted from the PNX ASX announcement titled "PNX acquires the Mt Porter Gold Deposit, NT" on 28<sup>th</sup> September 2022 and are reported using a cut-off grade of 1.0 g/t Au and can be found at [www.asx.com](http://www.asx.com) under the ASX code 'PNX'. The information in this table that relates to the Mineral Resources for Fountain Head, Tally Ho, Glencoe and Mt Porter was also reported in the Scheme Booklet dated 17 July 2024 issued by PNX for the scheme of arrangement between PNX and the shareholders of PNX for the acquisition of PNX by the Company. The Scheme Booklet was released to ASX on 18 July 2024 and can be found at [www.asx.com](http://www.asx.com) under the ASX codes 'PTN' and 'PNX'. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements referenced in this release continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not been materially modified from any of the original announcements.

## Mineral Resources – Base Metals

### Iron Blow Mineral Resource

JORC Classification	Tonnes (Mt)	Grade						
		Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (g/t)	ZnEq (%)	AuEq (g/t)
Indicated	2.08	5.49	0.91	0.30	143	2.19	13.39	10.08
Inferred	0.45	1.11	0.18	0.07	27	1.71	4.38	3.30
<b>TOTAL</b>	<b>2.53</b>	<b>4.71</b>	<b>0.78</b>	<b>0.26</b>	<b>122</b>	<b>2.10</b>	<b>11.79</b>	<b>8.87</b>
Contained Metal		119kt	18kt	7kt	9.9Moz	171koz	298kt	722koz

Iron Blow Mineral Resources by JORC Classification as at 03 May 2017 estimated utilising a cut-off grade of 1.0 g/t AuEq. See ASX:PNX release 'Hayes Creek Mineral Resources Exceed 1.1Moz Gold Equivalent' 3 May 2017 for details.

### Mt Bonnie Mineral Resource

JORC Classification	Tonnes (Mt)	Grade						
		Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (g/t)	ZnEq (%)	AuEq (g/t)
Indicated	1.38	3.96	1.15	0.23	128	1.41	9.87	8.11
Inferred	0.17	2.11	0.87	0.16	118	0.80	6.73	5.53
<b>TOTAL</b>	<b>1.55</b>	<b>3.76</b>	<b>1.12</b>	<b>0.22</b>	<b>127</b>	<b>1.34</b>	<b>9.53</b>	<b>7.82</b>
Contained Metal		58kt	17kt	3kt	6.3Moz	69koz	147kt	389koz

Mt Bonnie Mineral Resources by JORC Classification as at 08 February 2017 estimated utilising a cut-off grade of 0.5 g/t Au for Oxide/Transitional Domain, 1% Zn for Fresh Domain and 50g/t Ag for Ag Zone Domain. See ASX:PNX release 'Upgrade to Mt Bonnie Zinc-Gold-Silver Resource, Hayes Creek' 9 February 2017 for details.

### Hayes Creek Mineral Resource (Iron Blow + Mt Bonnie)

JORC Classification	Tonnes (Mt)	Grade						
		Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (g/t)	ZnEq (%)	AuEq (g/t)
Indicated	3.46	4.88	1.01	0.27	137.00	1.88	11.99	9.29
Inferred	0.62	1.39	0.37	0.10	52.00	1.46	5.03	3.91
<b>TOTAL</b>	<b>4.08</b>	<b>4.35</b>	<b>0.91</b>	<b>0.25</b>	<b>124.00</b>	<b>1.81</b>	<b>10.93</b>	<b>8.47</b>
Contained Metal		177kt	37kt	10kt	16Moz	238koz	445kt	1,110koz

Notes: Due to effects of rounding, totals may not represent the sum of all components. Metallurgical recoveries and metal prices have been applied in calculating zinc equivalent (ZnEq) and gold equivalent (AuEq) grades.

At Iron Blow a mineralisation envelope was interpreted for each of the two main lodes, the East Lode (Zn-Au-Ag-Pb) and West Lode (Zn-Au), and four subsidiary lodes with a 1 g/t AuEq cut-off used to interpret and report these lodes. At Mt Bonnie Zn domains are reported above a cut-off grade of 1% Zn, gold domains are reported above a cut-off grade of 0.5 g/t Au and silver domains are reported above a cut-off grade of 50 g/t Ag. To assess the potential value of the total suite of minerals of economic interest, formulae were developed to calculate metal equivalency for Au and Zn. Metal prices were derived from average consensus forecasts from external sources for the period 2017 through 2021 and are consistent with those used in PNX's recently updated Mt Bonnie Mineral Resource Estimate. Metallurgical recovery information was sourced from test work completed at the Iron Blow deposit, including historical test work. Mt Bonnie and Iron Blow have similar mineralogical characteristics and are a similar style of deposit. In PNX's opinion all the metals used in the equivalence calculation have a reasonable potential to be recovered and sold. PNX has chosen to report both the ZnEq and AuEq grades as although individually zinc is the dominant metal by value, the precious metals are the dominant group by value and will be recovered and sold separately to Zn.

The formulae below were applied to the estimated constituents to derive the metal equivalent values:

Gold Equivalent (field = "AuEq") (g/t) = (Au grade (g/t) \* (Au price per ounce/31.10348) \* Au recovery) + (Ag grade (g/t) \* (Ag price per ounce/31.10348) \* Ag recovery) + (Cu grade (%) \* (Cu price per tonne/100) \* Cu recovery) + (Pb grade (%) \* (Pb price per tonne/100) \* Pb recovery) + (Zn grade (%) \* (Zn price per tonne/100) \* Zn recovery) / (Au price per ounce/31.10348 \* Au recovery)

Zinc Equivalent (field = "ZnEq") (%) = (Au grade (g/t) \* (Au price per ounce/31.10348) \* Au recovery) + (Ag grade (g/t) \* (Ag price per ounce/31.10348) \* Ag recovery) + (Cu grade (%) \* (Cu price per tonne/100) \* Cu recovery) + (Pb grade (%) \* (Pb price per tonne/100) \* Pb recovery) + (Zn grade (%) \* (Zn price per tonne/100) \* Zn recovery) / (Zn price per tonne/100 \* Zn recovery)

	Unit	Price	Recovery Mt Bonnie	Recovery Iron Blow
Zn	US\$/t	\$ 2,450	80%	80%
Pb	US\$/t	\$ 2,100	60%	60%
Cu	US\$/t	\$ 6,200	60%	60%
Ag	US\$/troy oz	\$ 2,050	70%	80%
Au	US\$/troy oz	\$ 1,350	55%	60%

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements referenced in this release continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not been materially modified from any of the original announcements.