NORTHERN TERRITORY GEOLOGICAL SURVEY ACCESSION OF A SURVEY ANNUAL GEOSCIENCE EXPLORATION SEMINAR 20-21 April 2021, Alice Springs, Northern Territory



Resource Model Update for The Fountain Head Gold Project 20 April 2021

Marco Scardigno – PNX Resource Geologist

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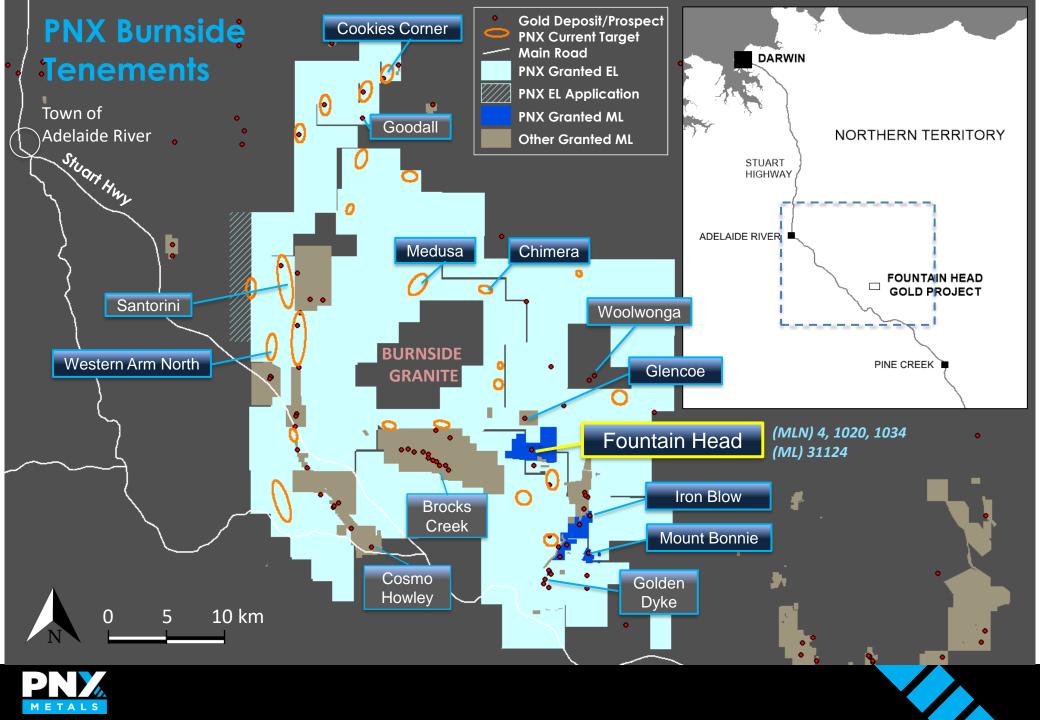
• The results reported herein, insofar as they relate to exploration activities and exploration results, are based on information provided to and reviewed by Mr Marco Scardigno who is a Member of the Australasian Institute of Geoscientists (AIG). Mr Scardigno has sufficient experience relevant to the style of mineralisation and type of deposits being considered to qualify as a Competent Person as defined by the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Mr Scardigno is a full-time Resource Geologist with PNX Metals Ltd and consents to the inclusion in this report of the matters based on the reviewed information in the form and context in which it appears.

Bibliography

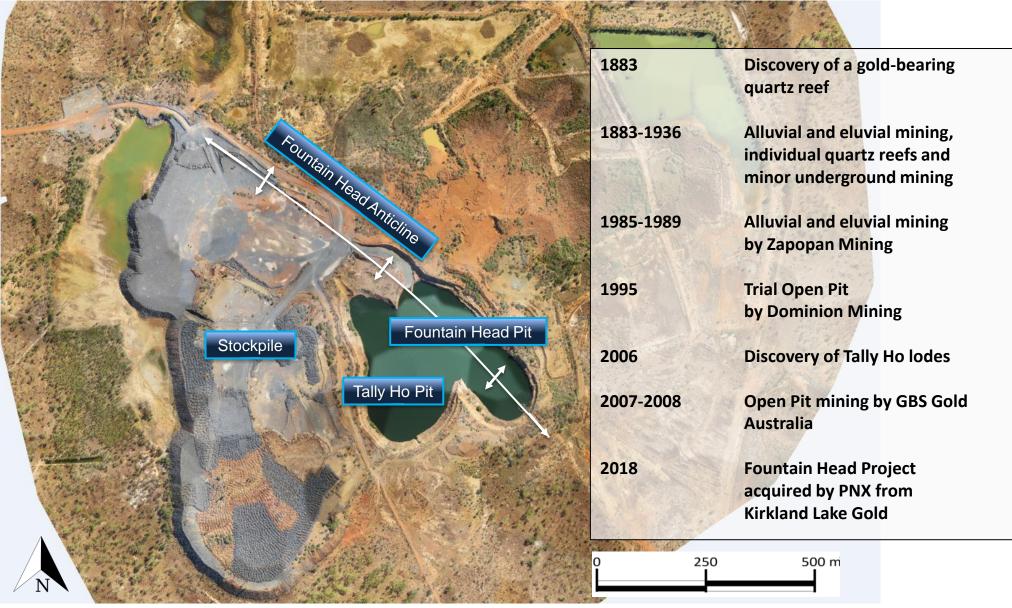
 PNX confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements noted below and referenced in this presentation and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. PNX confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement (see Appendix for further referenced information).







Mining History



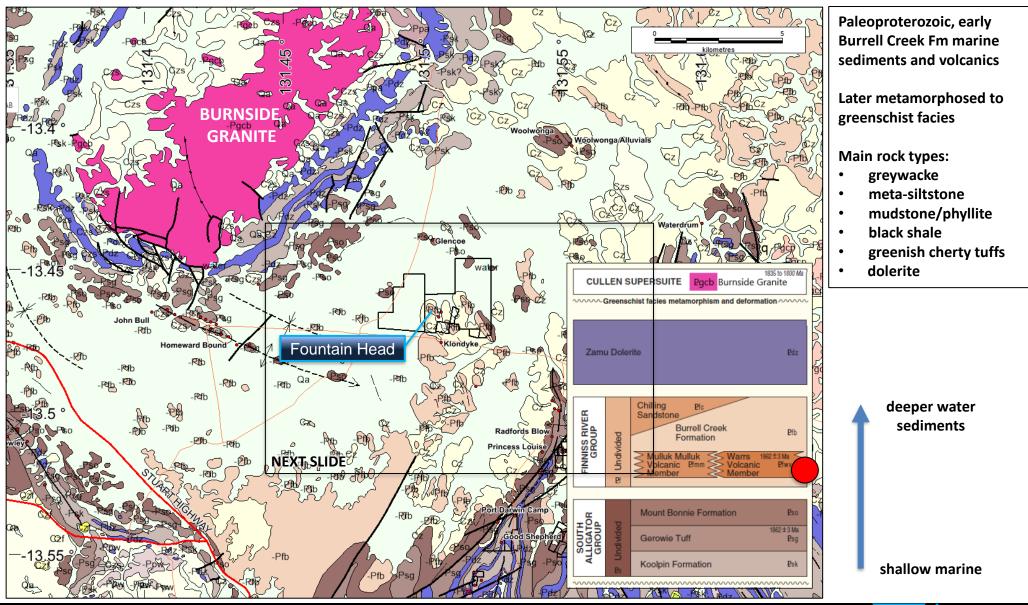


Mining History

| Carlos and the second s | | and the second |
|--|-----------|---|
| A CONTRACTOR CONTRACTOR OF CONTRACTOR | 1883 | Discovery of a gold-bearing quartz reef |
| | 1883-1936 | Alluvial and eluvial mining, individual quartz reefs and minor underground mining |
| | 1985-1989 | Alluvial and eluvial mining by Zapopan Mining |
| | 1995 | Trial Open Pit by Dominion Mining |
| | 2006 | Discovery of Tally Ho lodes |
| | 2007-2008 | Open Pit mining by GBS Gold Australia |
| | 2018 | Fountain Head Project acquired by PNX from Kirkland Lake Gold |
| N | 0 250 | 500 m |

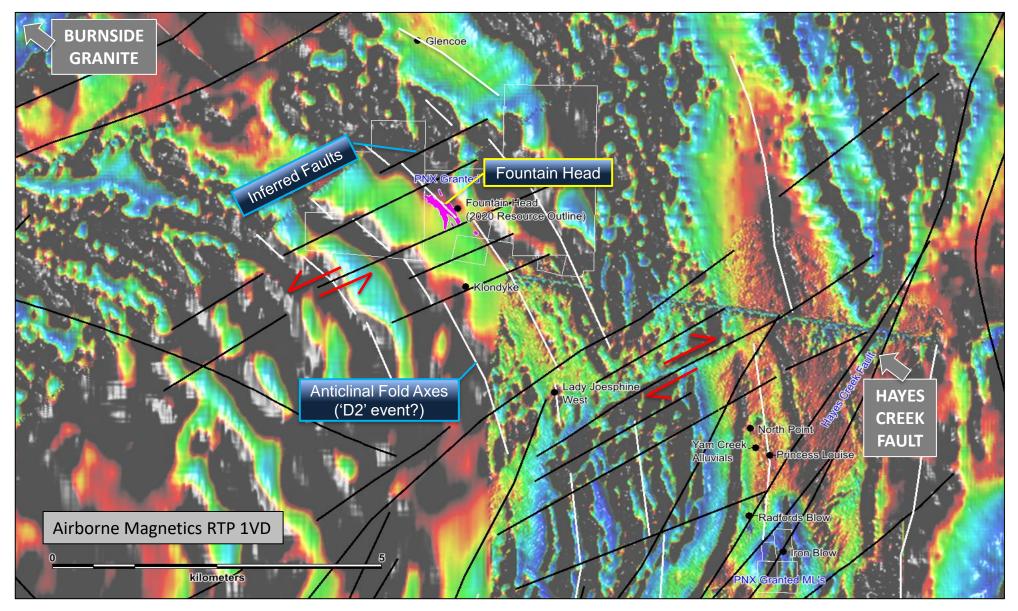


Regional Geology



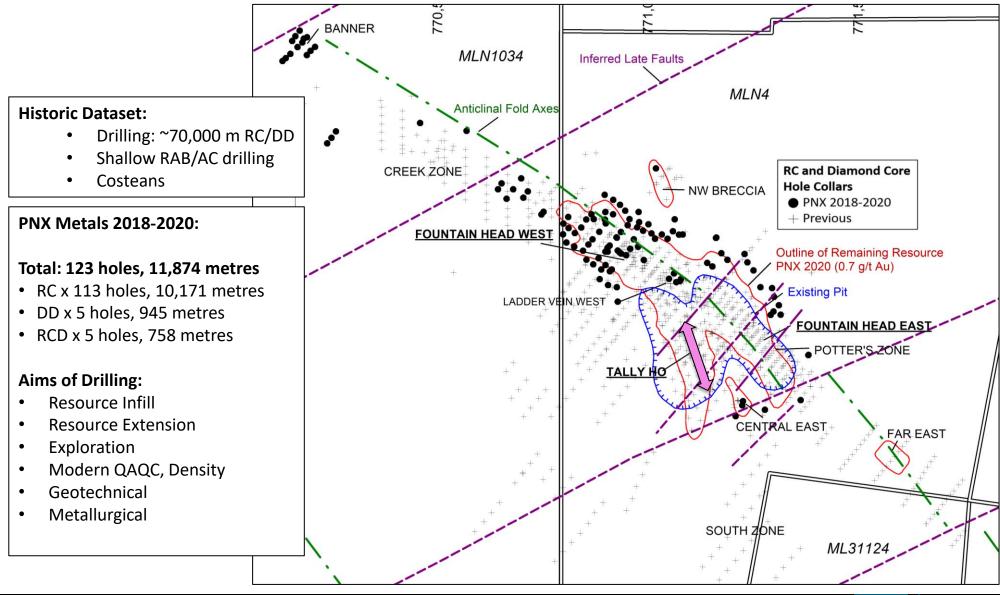


Airborne Magnetics - Inferred Faults and Folds





PNX Drilling and Near-Mine Prospects





Timing of Events

| TIME | ca 1740-1700 Ma? | OROGENIC GOLD DEPOSITS Doubly-plunging folds created ('D4') (2) Qtz-Carb veins, NW trending breccias and alteration (3) Late Qtz-Hem veins Regional NE trending faults active from ca 1720 Ma |
|------|------------------|---|
| | ca 1835-1805 Ma | INTRUSION-RELATED GOLD DEPOSITS (Mount Todd, Tom's Gully) <u>Cullen Event</u> Granitoids emplaced, including Burnside Granite Youngest phase of intrusion in PCO, ca 1775 Ma |
| | ca 1870-1850 Ma | BASIN-INVERSION <u>Nimbuwah Event</u> Fountain Head Anticline and other NW-SE folds ('D2') (1) Blue-grey quartz veins/shears subparallel to fold axial plane <u>Intrusion of Zamu Dolerite</u> ca 1860 Ma |

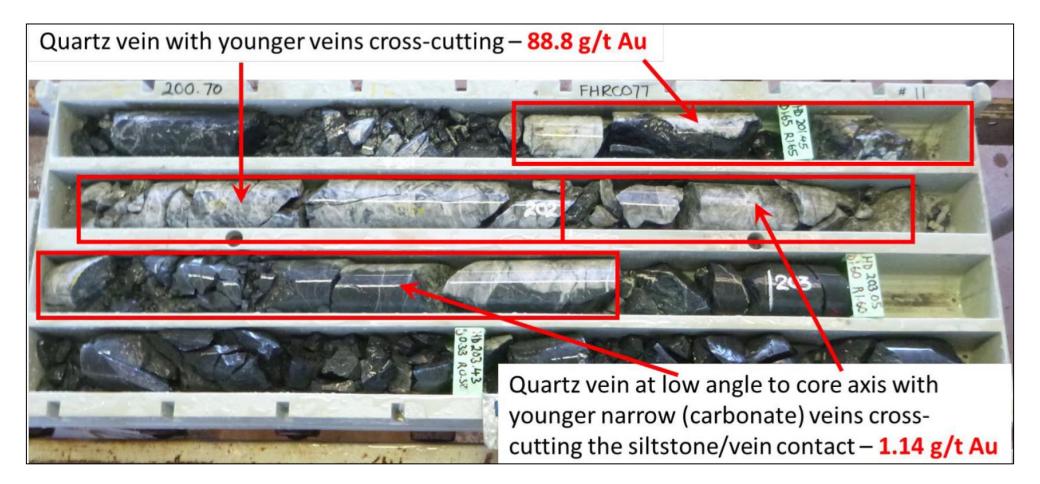
ca 1880-1870 Ma

Deposition of Burrell Creek Fm marine sediments and volcanics



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Diamond Drill Core Examples (FHRC077)

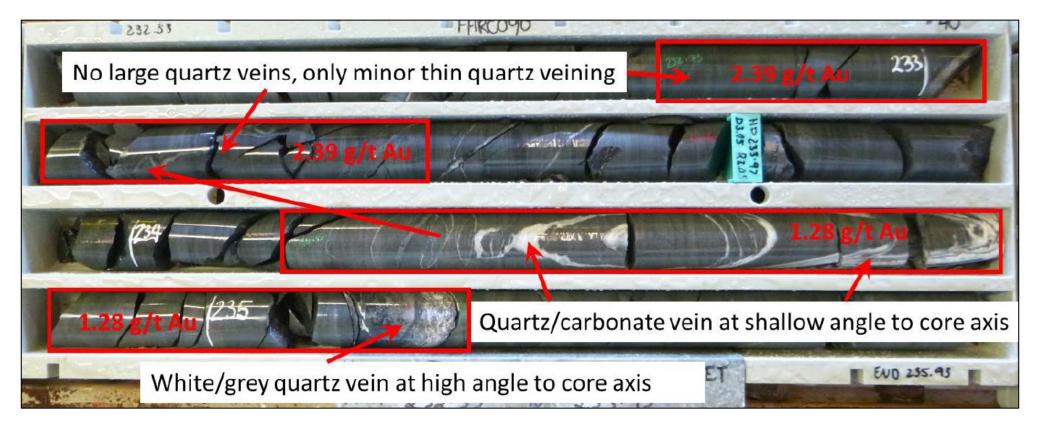


(From Desktop Structural Study by CSA Global, 2019)





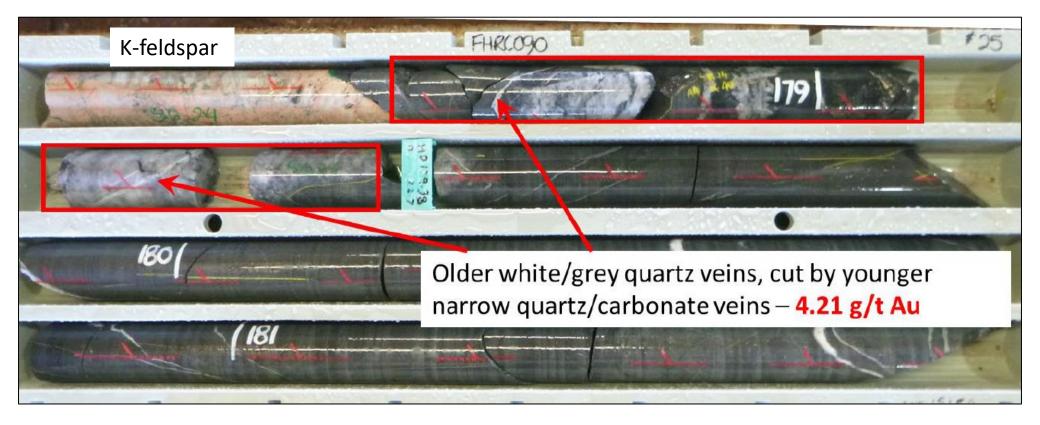
Diamond Drill Core Examples (FHRC090)







Diamond Drill Core Examples (FHRC090)



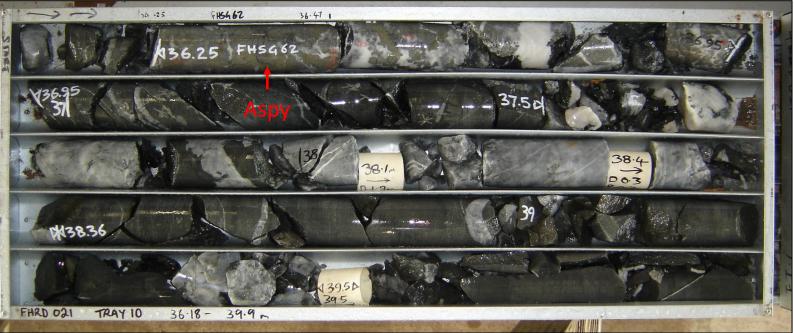
(From Desktop Structural Study by CSA Global, 2019)





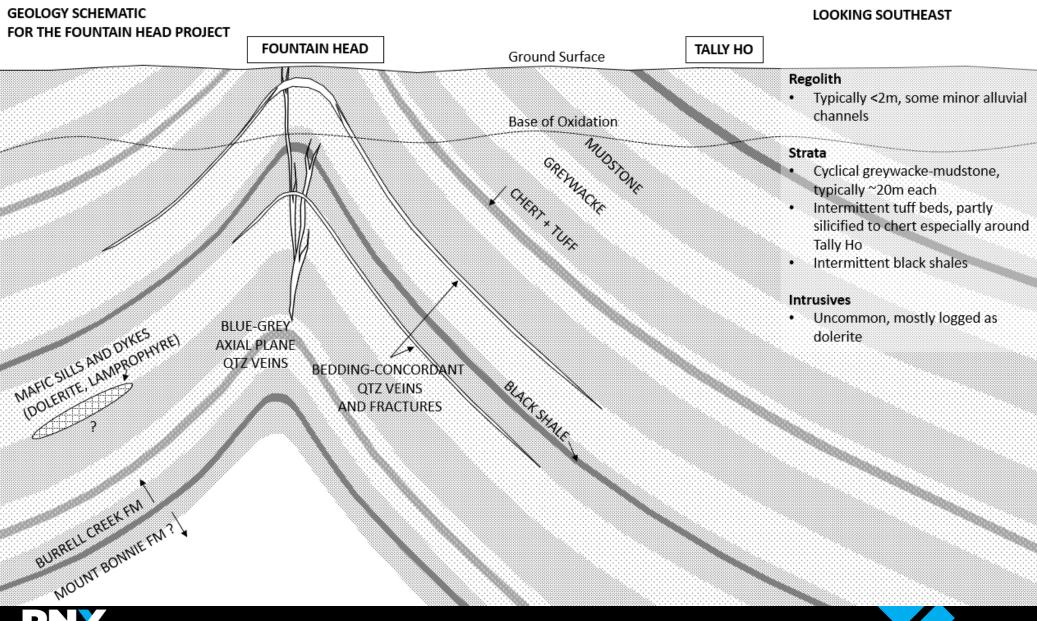
Diamond Drill Core Examples (FHDD092 & FHRD021)





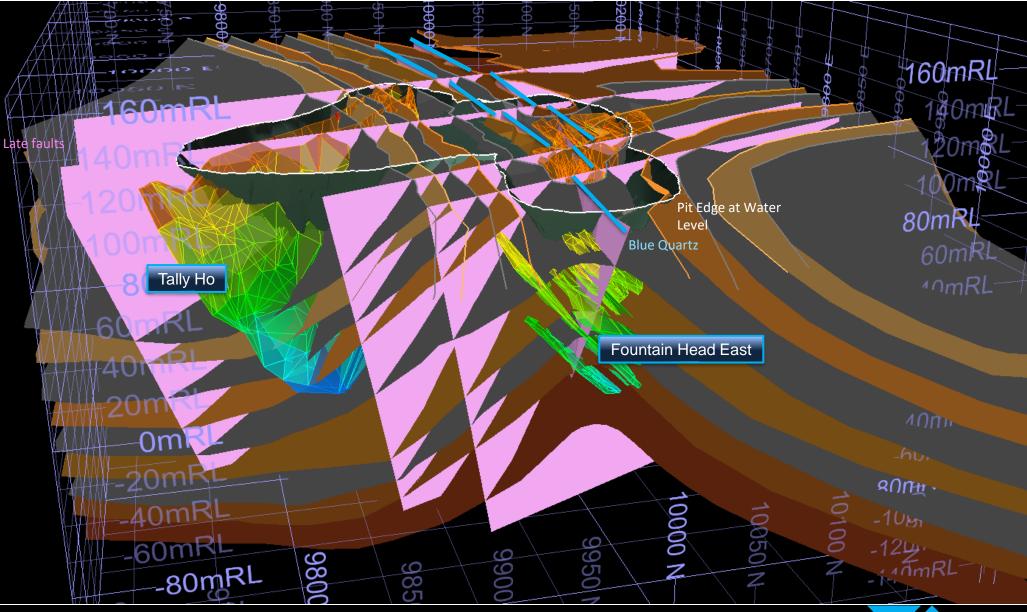


Geological Interpretation



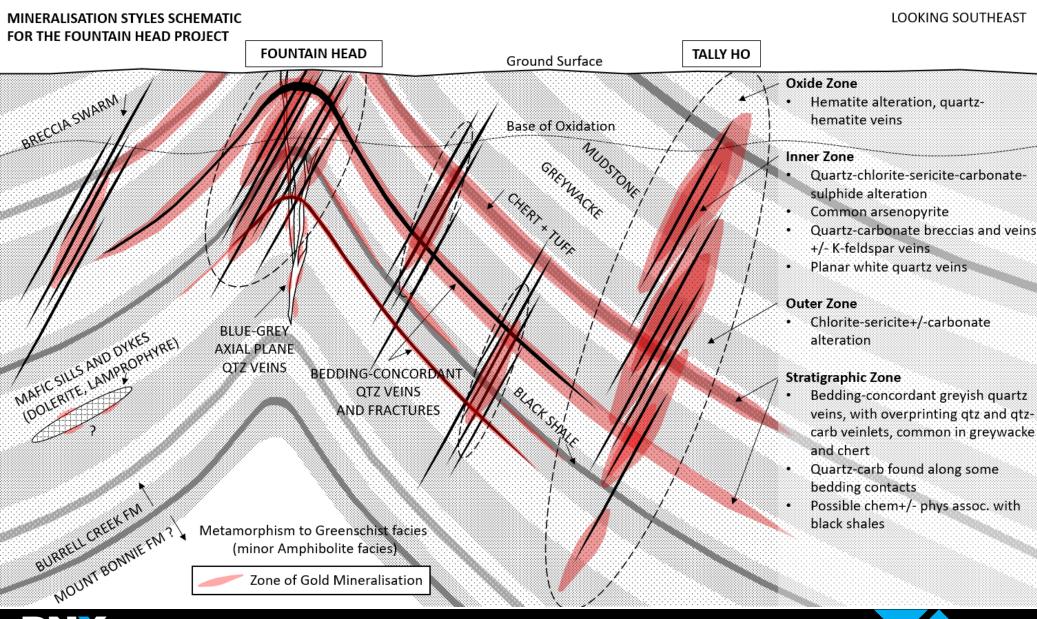


Geological Model



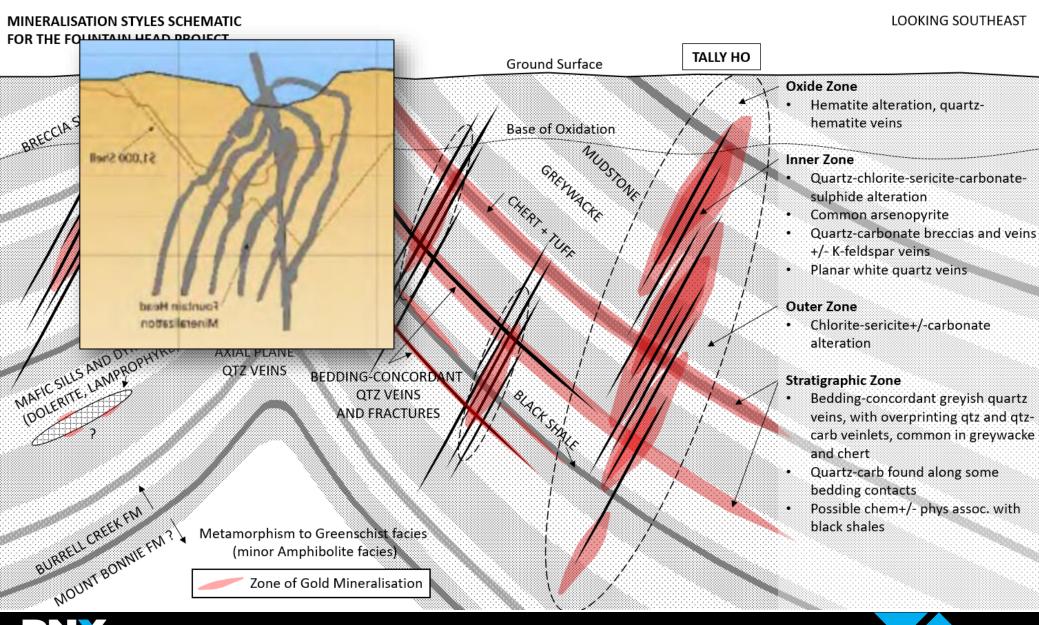


Mineralisation Interpretation



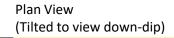


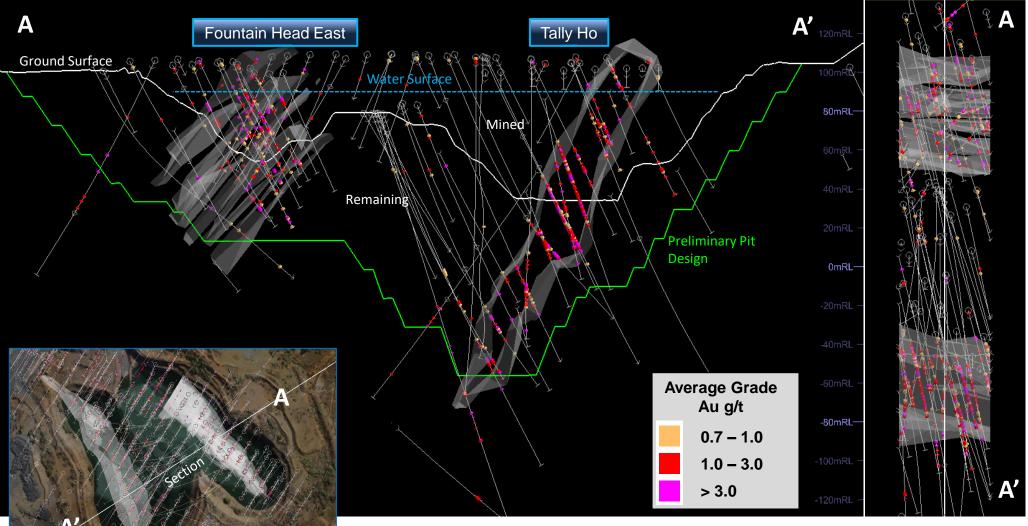
Past Resource Model at Fountain Head



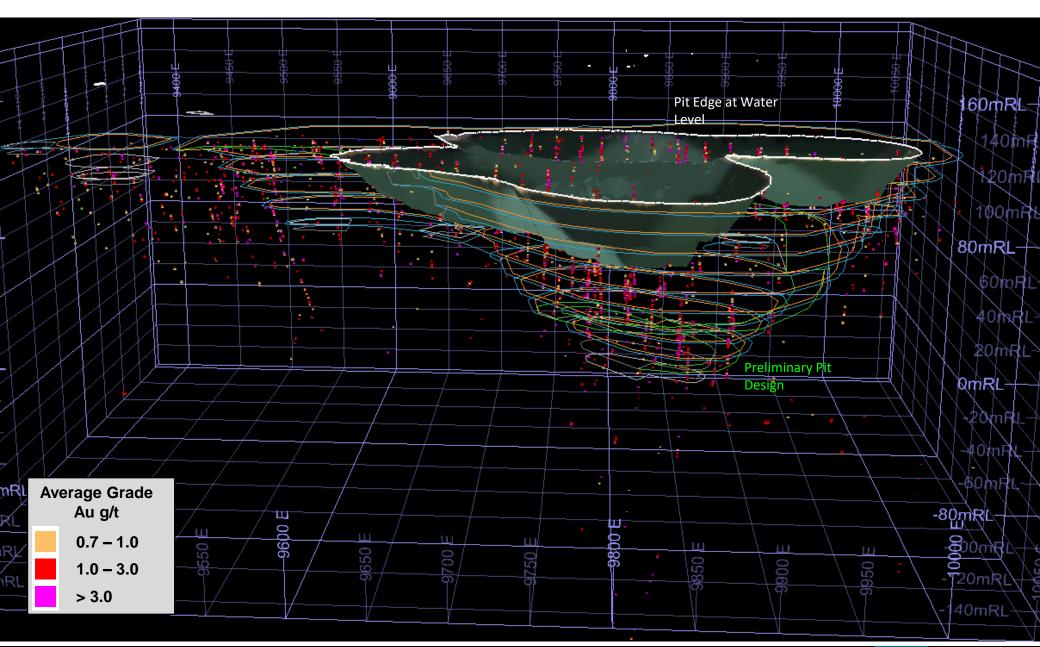


Fountain Head East and Tally Ho



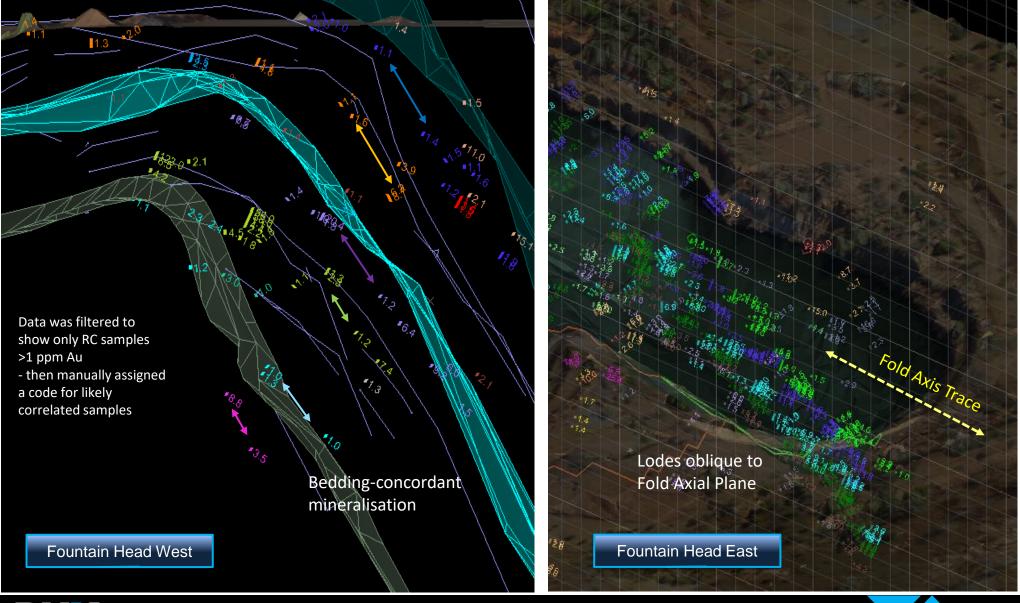








Coding of Individual Veins and Features

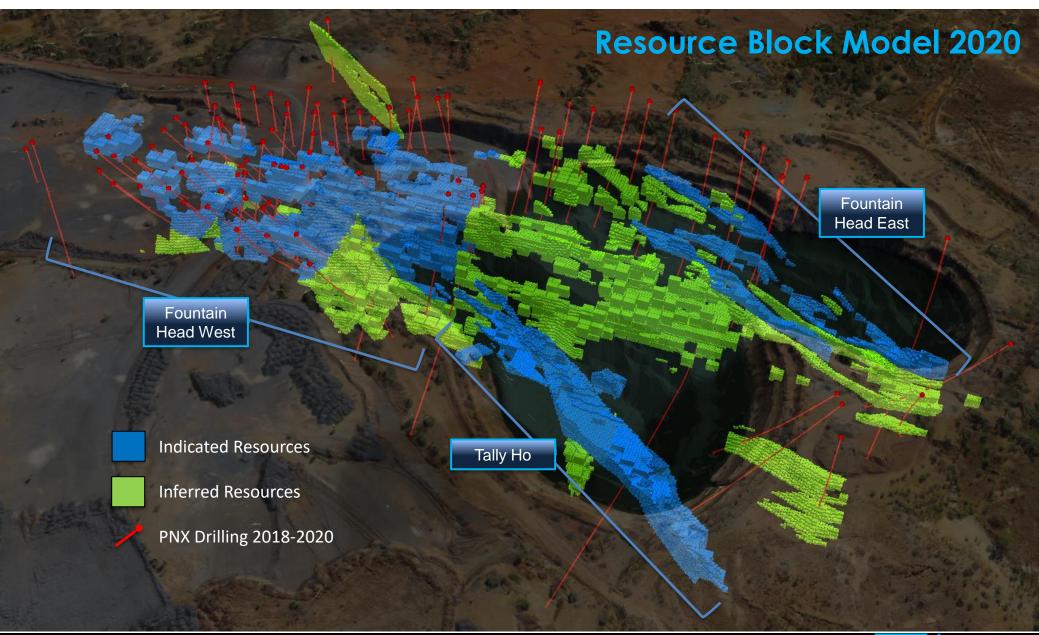




Continuity of High Grades (>3 g/t Au)









JORC 2012-Compliant Resource Estimation

| Fountain Head Project 2020 MRE - Cut Off 0.7 g/t Au | | | | | | | | |
|---|--------------|----------|--------------|--|--|--|--|--|
| JORC classification | Tonnage (Mt) | Au (g/t) | Ounces (koz) | | | | | |
| Tally Ho | | | | | | | | |
| Indicated | 0.94 | 2.0 | 59 | | | | | |
| Inferred | - | - | - | | | | | |
| Subtotal | 0.94 | 2.0 | 59 | | | | | |
| Fountain Head | | | | | | | | |
| Indicated | 0.89 | 1.4 | 41 | | | | | |
| Inferred | 1.11 | 1.6 | 56 | | | | | |
| Subtotal | 2.00 | 1.5 | 96 | | | | | |
| Global | | | | | | | | |
| Indicated | 1.83 | 1.7 | 100 | | | | | |
| Inferred | 1.11 | 1.6 | 56 | | | | | |
| TOTAL | 2.94 | 1.7 | 156 | | | | | |

Note: Due to effects of rounding, the total may not represent the sum of all components.

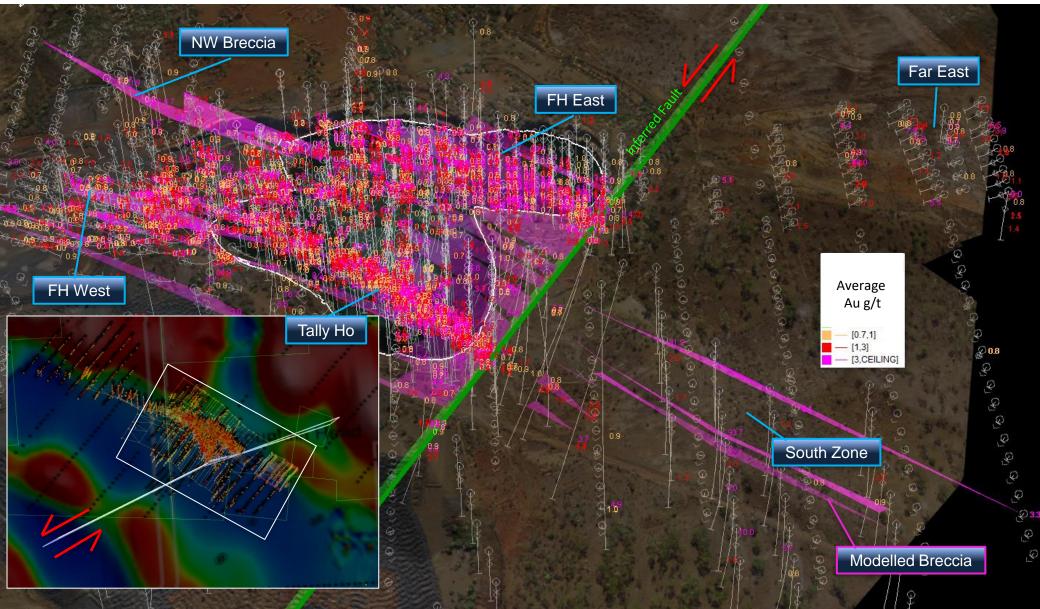
PNX 2019 MRE – ASX Announcement 11 July 2019

- Increase by around 65 koz from 2015*

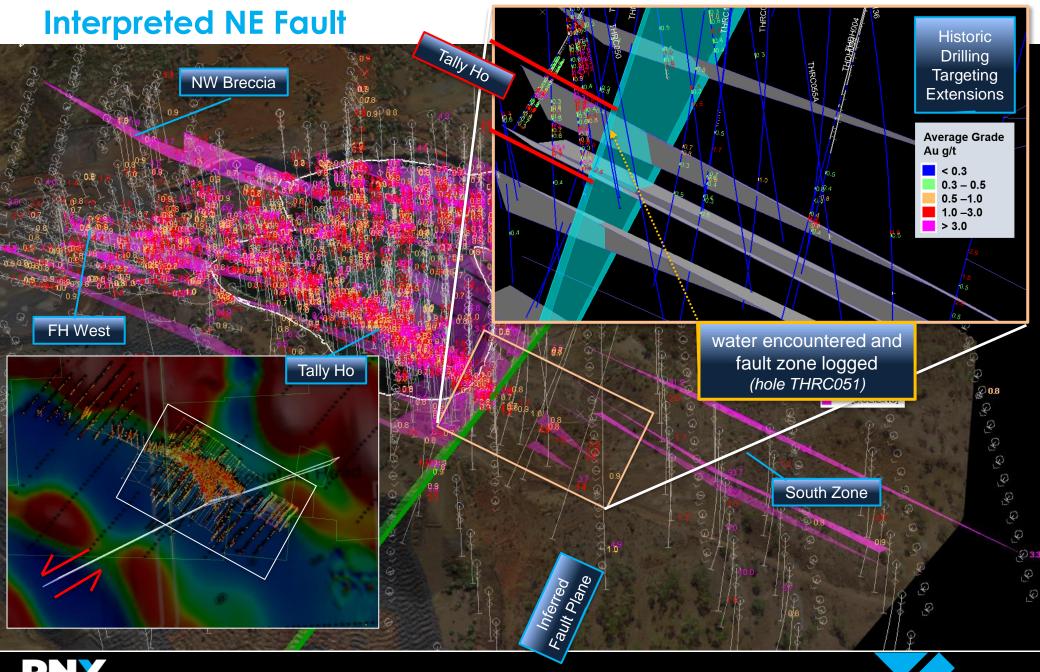
PNX 2020 MRE – ASX Announcement 16 June 2020 - Increase by around 18 koz from 2019, plus resource class upgrades



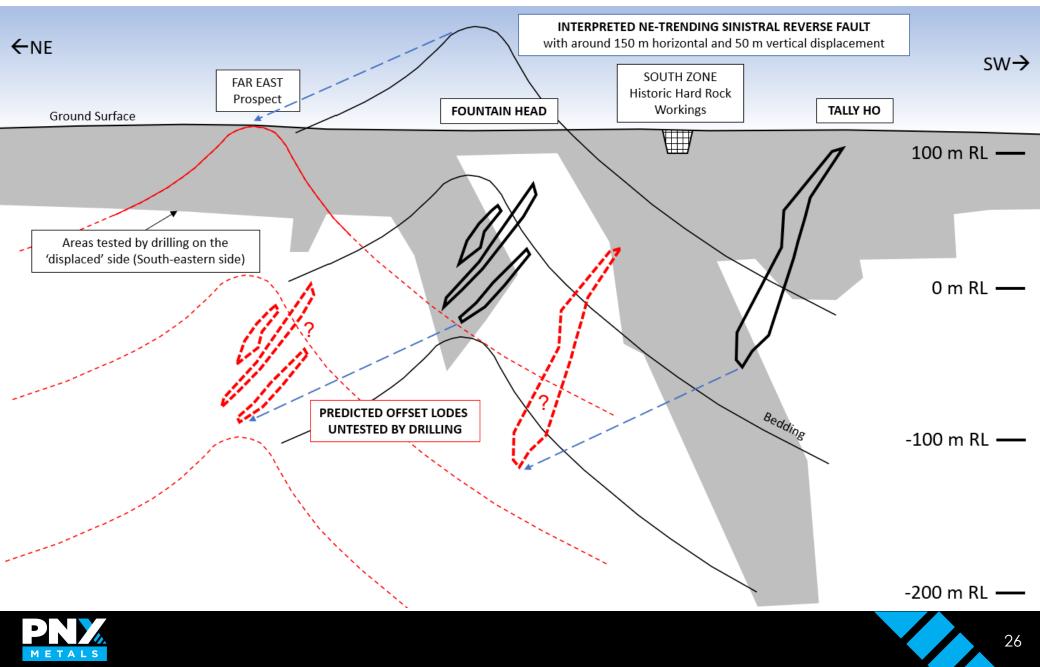
Interpreted NE Fault



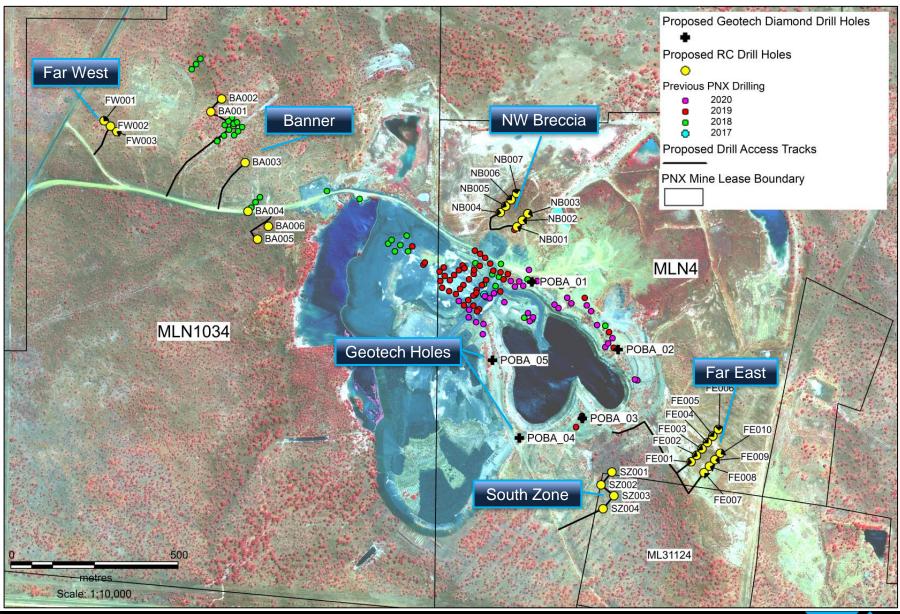




Predicted Lode Offsets by NE Fault



Planned Drilling 2021 - Near-Mine Exploration and Geotech









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Appendix



NORTHERN TERRITORY

Hayes Creek Mineral Resources

Table 1: Iron Blow Mineral Resources by JORC Classification as at 3 May 2017

| JORC Classification | Lode | AuEq Cut-off (g/t) | Tonnage (kt) | Zn (%) | Pb (%) | Cu (%) | Ag (g/t) | Au (g/t) | ZnEq (%) | AuEq (g/t) |
|----------------------|-------------------------|--------------------------|--------------|-----------|--------|--------|----------|----------|----------|------------|
| lu di set s d | East Lode | 1.0 | 800 | 7.64 | 1.83 | 0.30 | 275 | 2.90 | 20.64 | 15.53 |
| Indicated | West Lode | 1.0 | 1,280 | 4.14 | 0.33 | 0.31 | 60 | 1.73 | 8.84 | 6.66 |
| Tota | l Indicated | | 2,080 | 5.49 | 0.91 | 0.30 | 143 | 2.19 | 13.39 | 10.08 |
| | East Lode | 1.0 | 20 | 0.48 | 0.34 | 0.16 | 132 | 6.01 | 13.65 | 9.43 |
| | West Lode | 1.0 | 20 | 0.76 | 0.96 | 0.13 | 109 | 1.02 | 5.90 | 4.44 |
| | FW Gold | 1.0 | 210 | 0.25 | 0.07 | 0.03 | 16 | 2.03 | 3.48 | 2.62 |
| Inferred | HW Gold | 1.0 | 40 | 0.06 | 0.09 | 0.01 | 6 | 1.68 | 2.57 | 1.94 |
| | Interlode Gold | 1.0 | 40 | 0.21 | 0.03 | 0.07 | 8 | 1.66 | 2.79 | 2.10 |
| | Interlode Base Metal | 1.0 | 120 | 3.52 | 0.32 | 0.14 | 35 | 0.69 | 5.87 | 4.42 |
| Tota | al Inferred | | 450 | 1.11 | 0.18 | 0.07 | 27 | 1.71 | 4.38 | 3.30 |
| Total Indicated + In | ferred Mineral | Resource | 2,530 | 4.71 | 0.78 | 0.26 | 122 | 2.10 | 11.79 | 8.87 |
| Total Con | tained Metal (t) | | | 119,200 | 19,700 | 6,650 | 9.9Moz | 170.9koz | 298,000t | 721.5koz |



Table 2: Mt Bonnie Mineral Resources by JORC Classification as at 8 February 2017

| JORC Classification | Domain | Cut-off grade | Tonnage (kt) | Zn (%) | Pb (%) | Cu (%) | Ag (g/t) | Au (g/t) | ZnEq (%) | AuEq (g/t) |
|---------------------------|-------------------------|------------------|-----------------|--------|--------|--------|----------|----------|----------|------------|
| Indicated | Oxide/Transitional | 0.5g/t Au | 195 | 0.94 | 2.43 | 0.18 | 171 | 3.80 | 11.50 | 9.44 |
| Indicated | Fresh | 1% Zn | 1,180 | 4.46 | 0.94 | 0.23 | 121 | 1.02 | 9.60 | 7.88 |
| | Total Indicated | | 1,375 | 3.96 | 1.15 | 0.23 | 128 | 1.41 | 9.87 | 8.11 |
| Inferred | Oxide/Transitional | 0.5g/t Au | 32 | 0.43 | 1.33 | 0.29 | 74 | 2.28 | 6.37 | 5.23 |
| Inferred | Fresh | 1% Zn | 118 | 2.91 | 0.90 | 0.15 | 135 | 0.54 | 7.61 | 6.25 |
| Inferred | Ag Zone | 50g/t Ag | 21 | 0.17 | 0.03 | 0.04 | 87 | 0.04 | 2.36 | 1.94 |
| | Total Inferred | | 171 | 2.11 | 0.87 | 0.16 | 118 | 0.80 | 6.73 | 5.53 |
| Total Indicate | ed + Inferred Mineral I | Resource | 1,545 | 3.76 | 1.12 | 0.22 | 127 | 1.34 | 9.53 | 7.82 |
| Total Contained Metal (t) | | | 58,000 | 17,300 | 3,400 | 6.3Moz | 66.8koz | 147,000t | 388.5koz | |

Table 3: Total Hayes Creek Mineral Resources (Iron Blow + Mt Bonnie) by JORC Classification at 3 May 2017

| JORC Classification | Tonnage (kt) | Zn (%) | Pb (%) | Cu (%) | Ag (g/t) | Au (g/t) | ZnEq (%) | AuEq (g/t) |
|---|-----------------|---------|--------|--------|----------|----------|----------|------------|
| Total Indicated (84.7%) | 3,455 | 4.88 | 1.01 | 0.27 | 137 | 1.88 | 11.99 | 9.29 |
| Total Inferred (15.3%) | 622 | 1.39 | 0.37 | 0.10 | 52 | 1.46 | 5.03 | 3.91 |
| Total Indicated + Inferred Mineral Resource | 4,077 | 4.35 | 0.91 | 0.25 | 124 | 1.81 | 10.93 | 8.47 |
| Total Contained Metal (t) | | 177,200 | 37,000 | 10,050 | 16.2Moz | 237.7koz | 445,000t | 1,110koz |



Table 4: Commodity price and metal recovery assumptions

| Metals | Unit | Price | Recovery Mt Bonnie | Recovery Iron Blow |
|--------|------------------|-------|-----------------------|-----------------------|
| Zn | USD / t | 2,450 | 80% | 80% |
| Pb | USD / t | 2,100 | 60% | 60% |
| Cu | USD / t | 6,200 | 60% | 60% |
| Ag | USD / troy ounce | 20.50 | 70% | 80% |
| Au | USD / troy ounce | 1,350 | 55% | 60% |

*consensus prices at the time of the resources estimates

Notes relating to Hayes Creek Project Resource Tables

- Due to effects of rounding, the total may not represent the sum of all components. No material changes in the estimates of the Mineral Resources at Mt Bonnie and Iron Blow have occurred since they were originally reported.
- Metallurgical recoveries and metal prices (Table 4) have been applied in calculating zinc equivalent (ZnEq) and gold equivalent (AuEq) grades.
- 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.
- Mt Bonnie Zinc domains are reported above a cut-of grade of 1% zinc, gold domains are reported above a cut-off grade of 0.5 g/t gold and silver domains are reported above a cut-off grade of 50 g/t silver.



FOUNTAIN HEAD MINERAL RESOURCES

Table 5: Fountain Head and tally Ho updated Mineral Resources by JORC Classification as at 16 June 2020

| JORC Classification | Tonnage (Mt) | Au (g/t) | Ounces (Koz) | | | | | | | |
|---------------------|---------------|----------|--------------|--|--|--|--|--|--|--|
| | Tally Ho | | | | | | | | | |
| Indicated | 0.94 | 2.0 | 59 | | | | | | | |
| Inferred | _ | _ | - | | | | | | | |
| Total | 0.94 | 2.0 | 59 | | | | | | | |
| | Fountain Head | | | | | | | | | |
| Indicated | 0.89 | 1.4 | 41 | | | | | | | |
| Inferred | 1.11 | 1.6 | 56 | | | | | | | |
| Total | 2.00 | 1.5 | 96 | | | | | | | |
| | Glo | bal | | | | | | | | |
| Indicated | 1.83 | 1.7 | 100 | | | | | | | |
| Inferred | 1.11 | 1.6 | 56 | | | | | | | |
| Total | 2.94 | 1.7 | 156 | | | | | | | |

Notes relating to Fountain Head Mineral Resources

- Due to effects of rounding, the total may not represent the sum of all components.
- Fountain Head and Tally Ho mineralisation reported utilising a cut-off grade of above 0.7 g/t Au/t gold, which is consistent with the assumed open cut mining method.
- The reported mineral resources for Fountain Head and Tally Ho were updated on 16 June 2020 (Refer to ASX Release dated 16 June 2020) and there have been no material changes in the estimated resources, underlying assumptions or technical parameters since then.

PNX utilises suitably qualified independent consultants to compile all new mineral resources estimates. These resource estimates and the underlying assumptions and interpretations, are reviewed by PNX management, and PNX employee Resource Geologist, Marco Scardigno (a Competent Person), for reasonableness prior to being finalised.