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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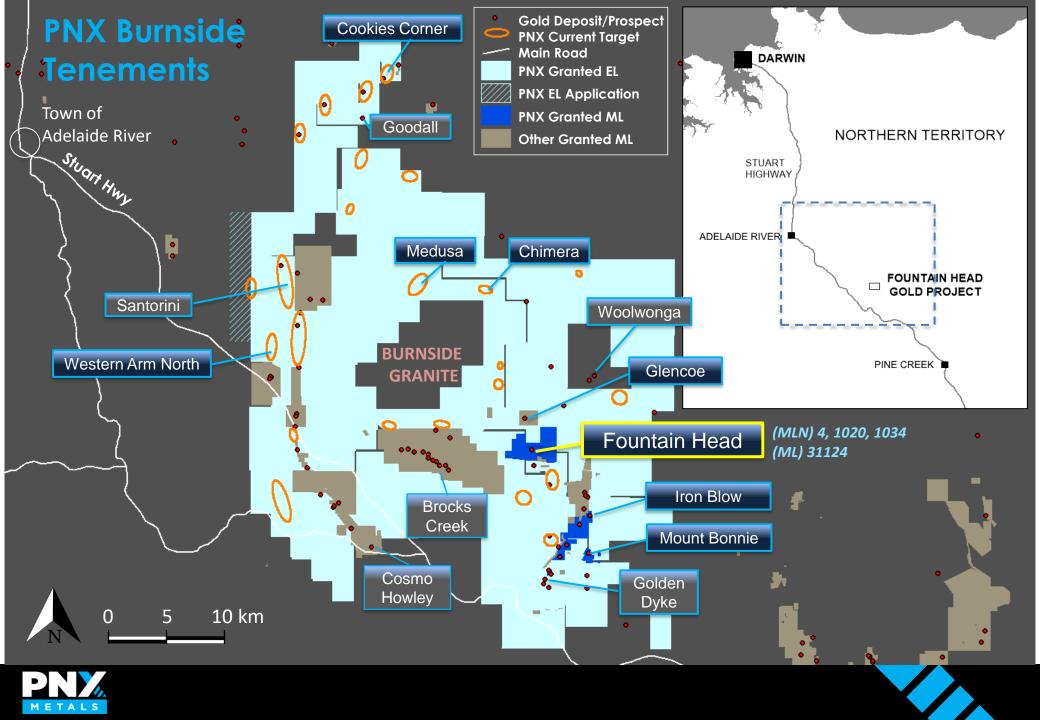
• The results reported herein, insofar as they relate to exploration activities and exploration results, are based on information provided to and reviewed by Mr Marco Scardigno who is a Member of the Australasian Institute of Geoscientists (AIG). Mr Scardigno has sufficient experience relevant to the 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

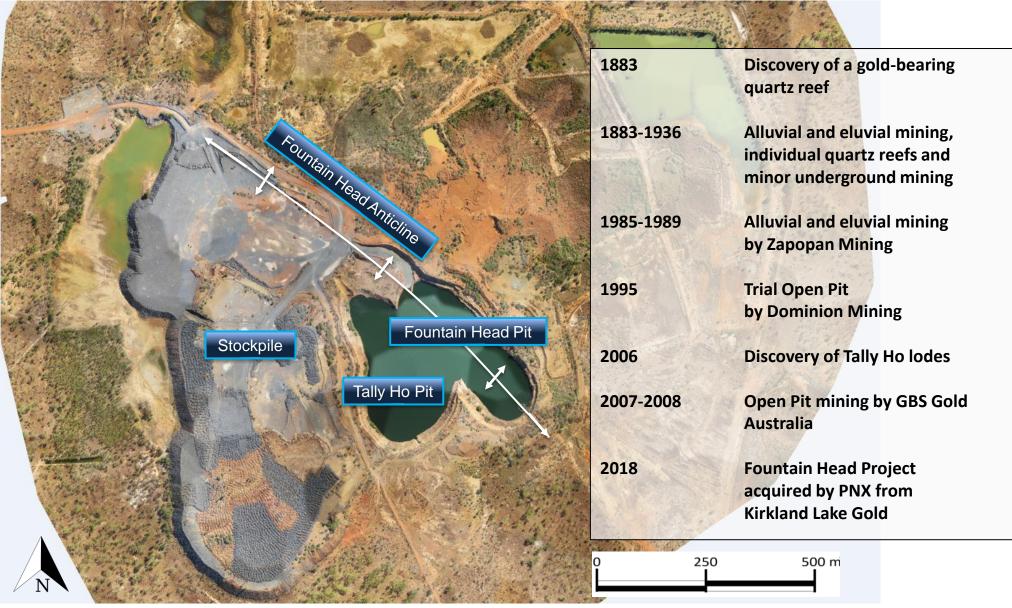
 PNX confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements noted below and referenced in this presentation and that all material assumptions and technical parameters underpinning the estimates in the relevant 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



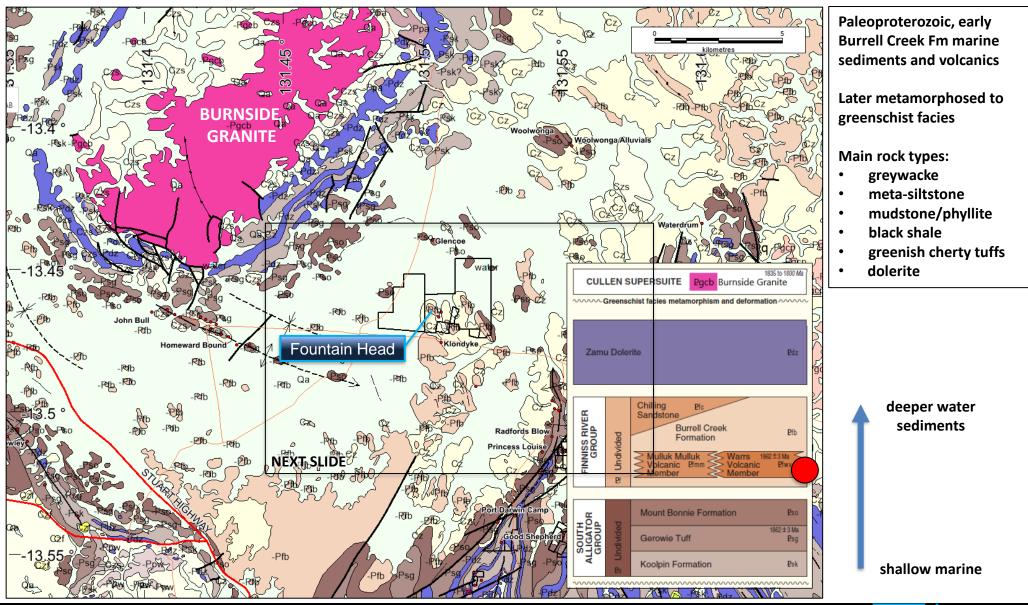


Mining History

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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

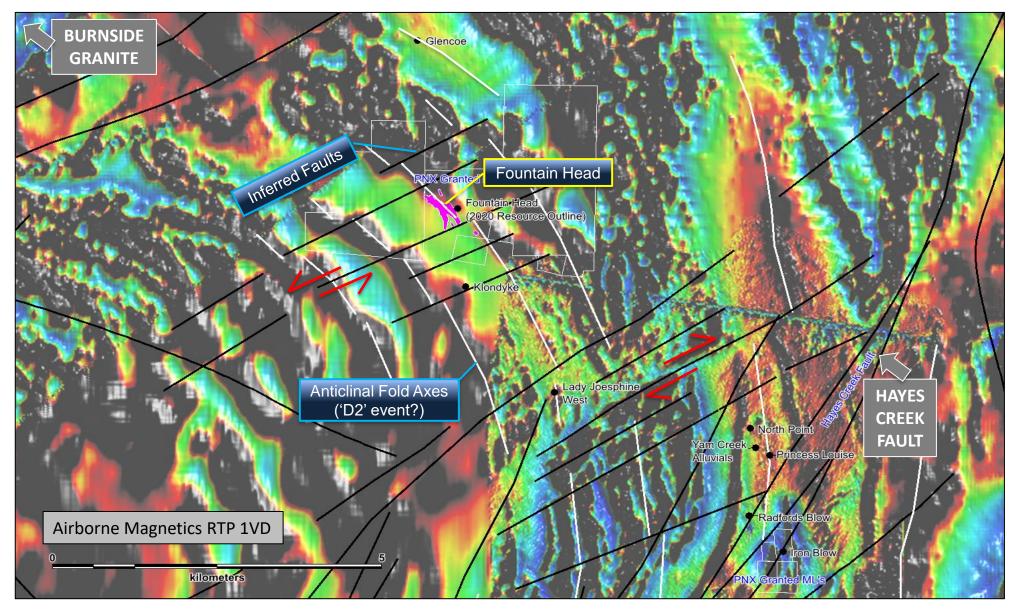


Regional Geology



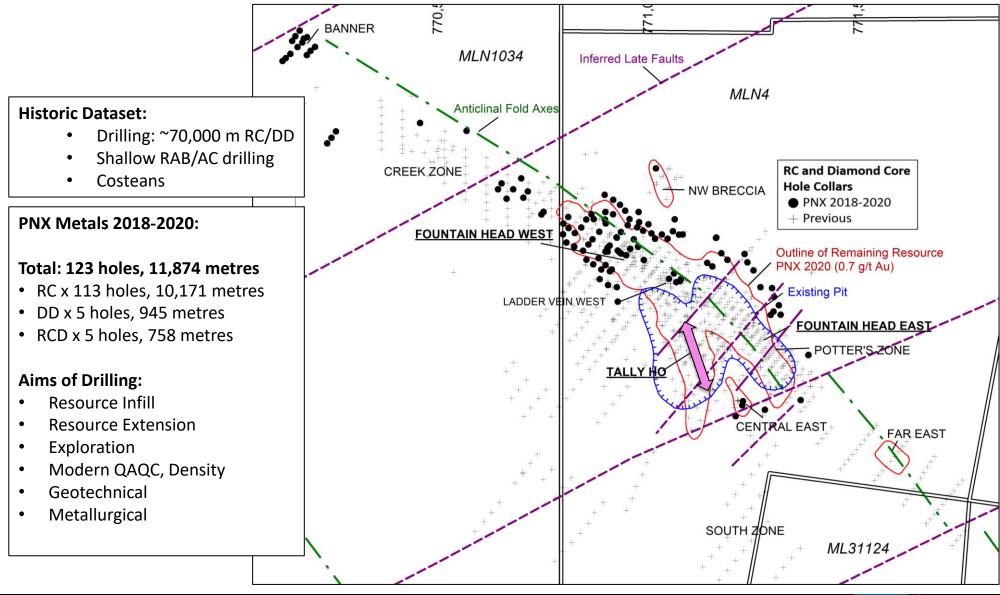


Airborne Magnetics - Inferred Faults and Folds





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

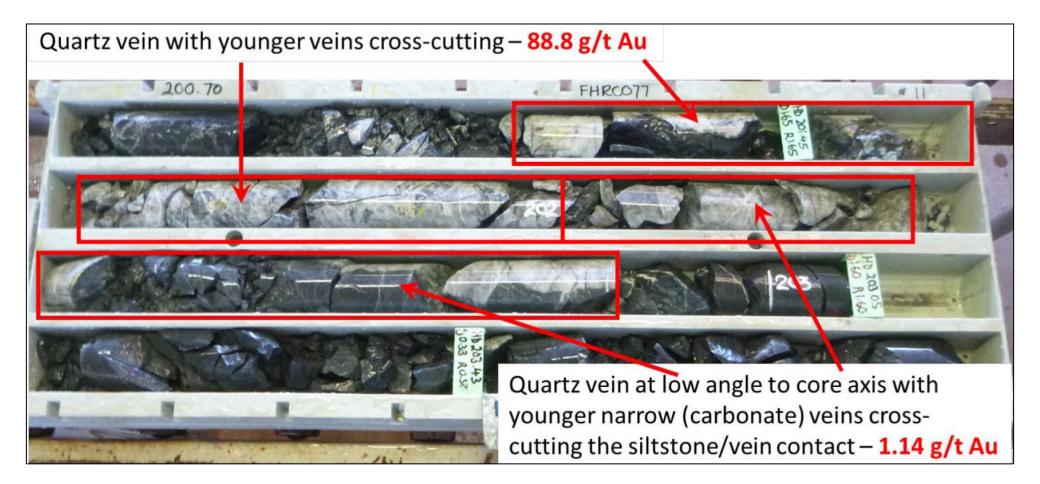
ca 1880-1870 Ma

Deposition of Burrell Creek Fm marine sediments and volcanics



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Diamond Drill Core Examples (FHRC077)

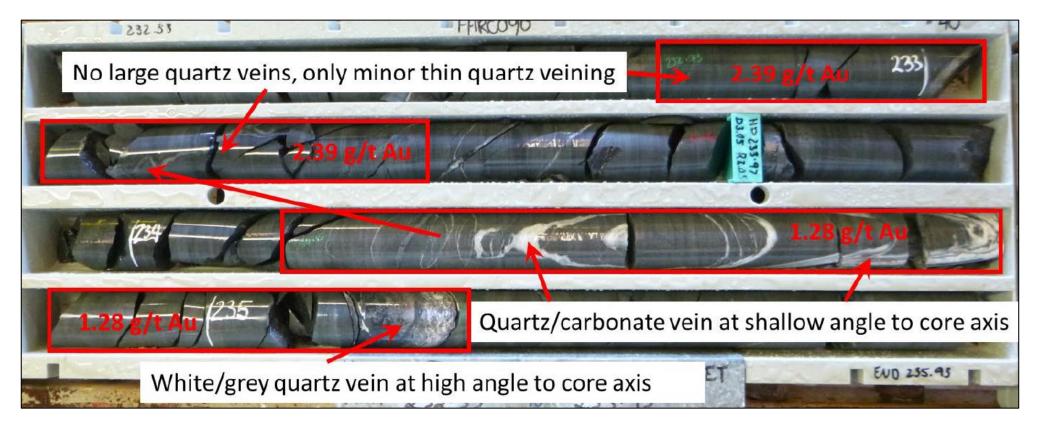


(From Desktop Structural Study by CSA Global, 2019)





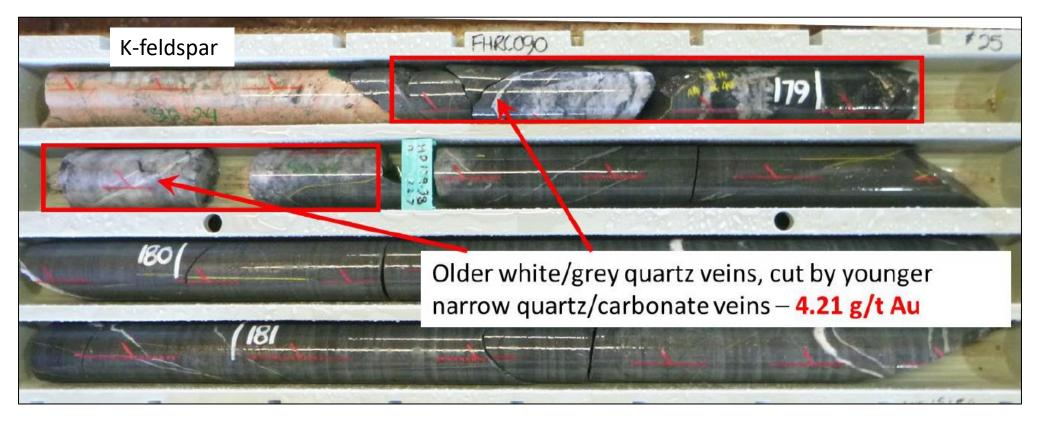
Diamond Drill Core Examples (FHRC090)







Diamond Drill Core Examples (FHRC090)



(From Desktop Structural Study by CSA Global, 2019)





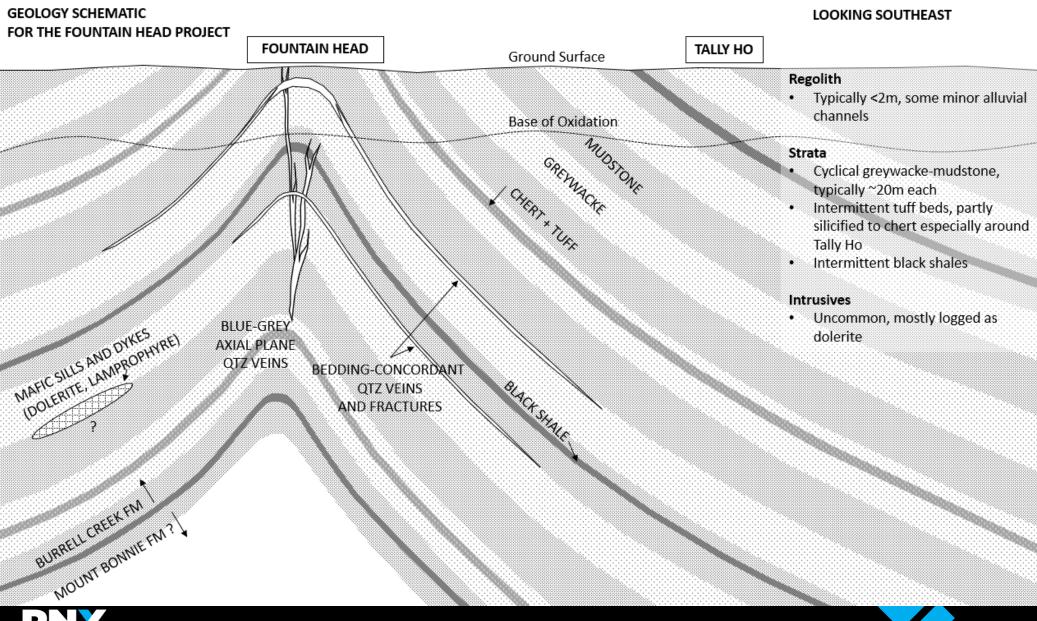
Diamond Drill Core Examples (FHDD092 & FHRD021)





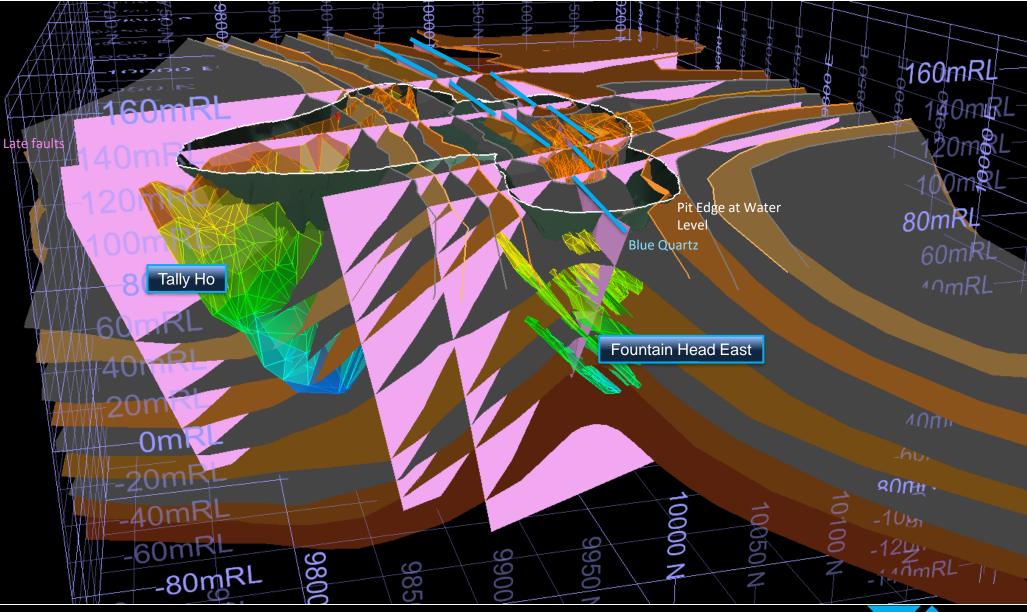


Geological Interpretation



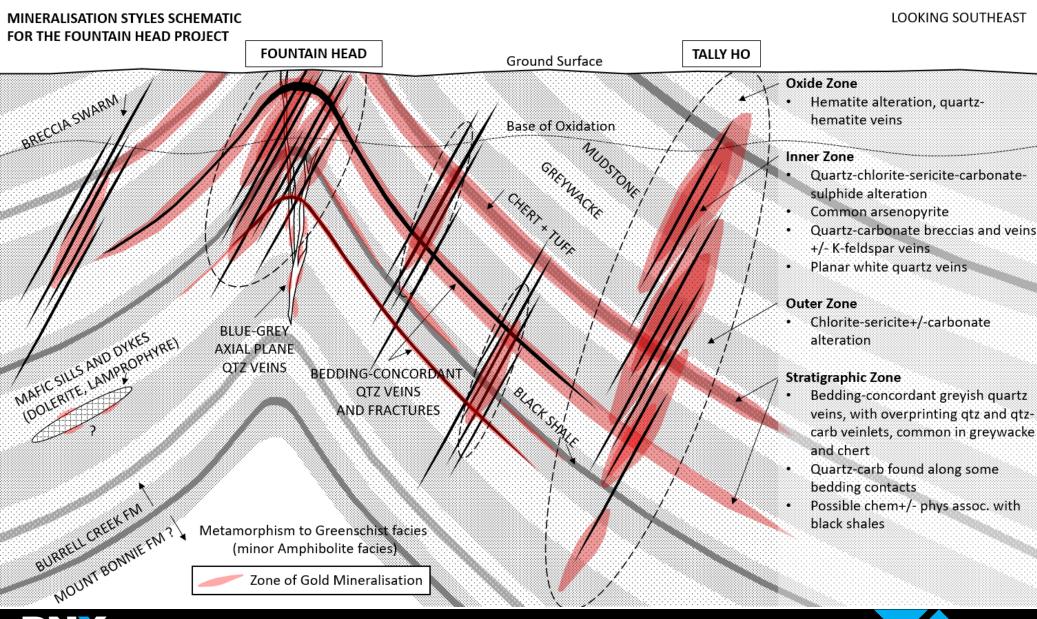


Geological Model



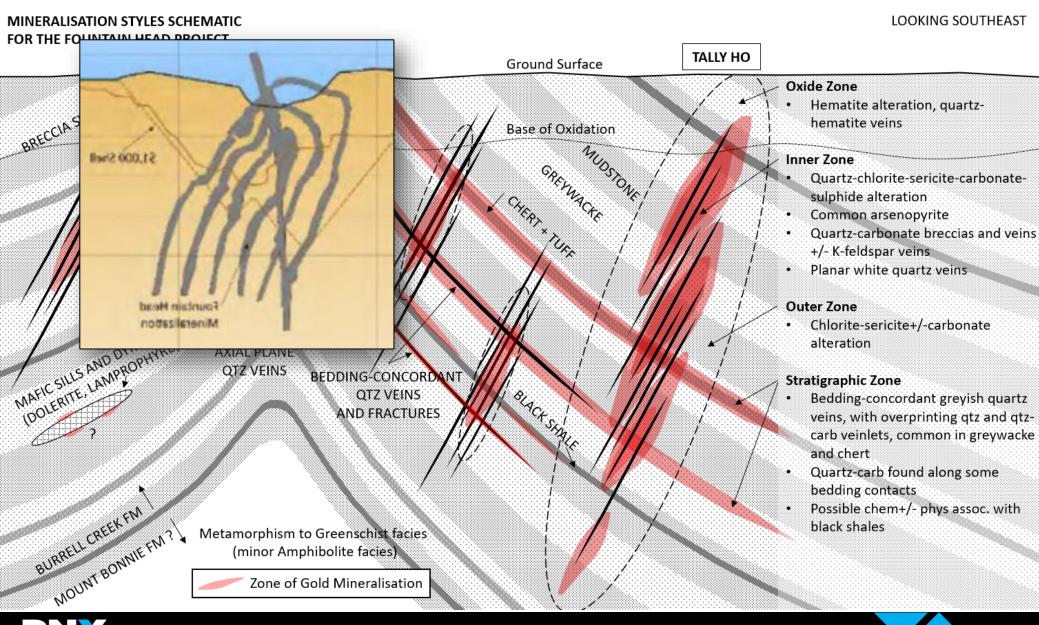


Mineralisation Interpretation



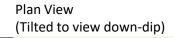


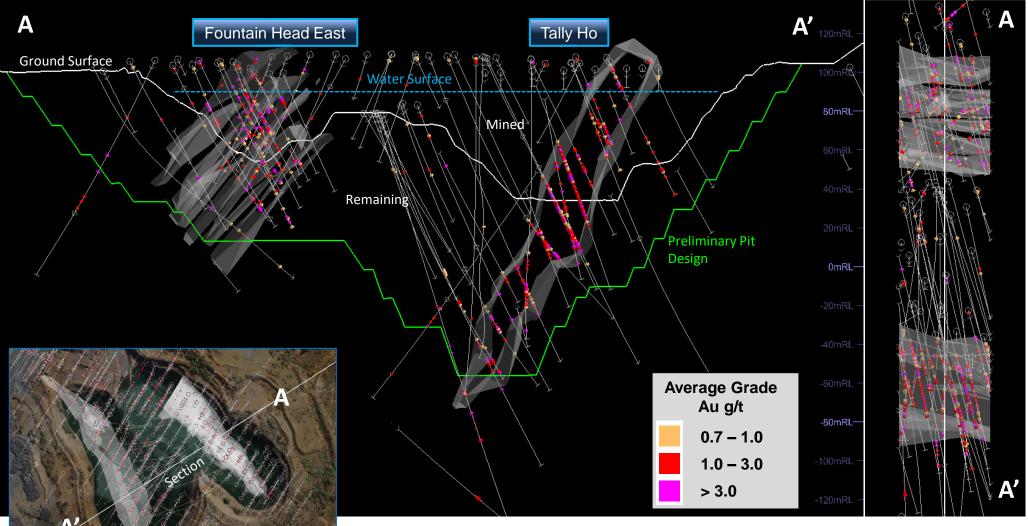
Past Resource Model at Fountain Head



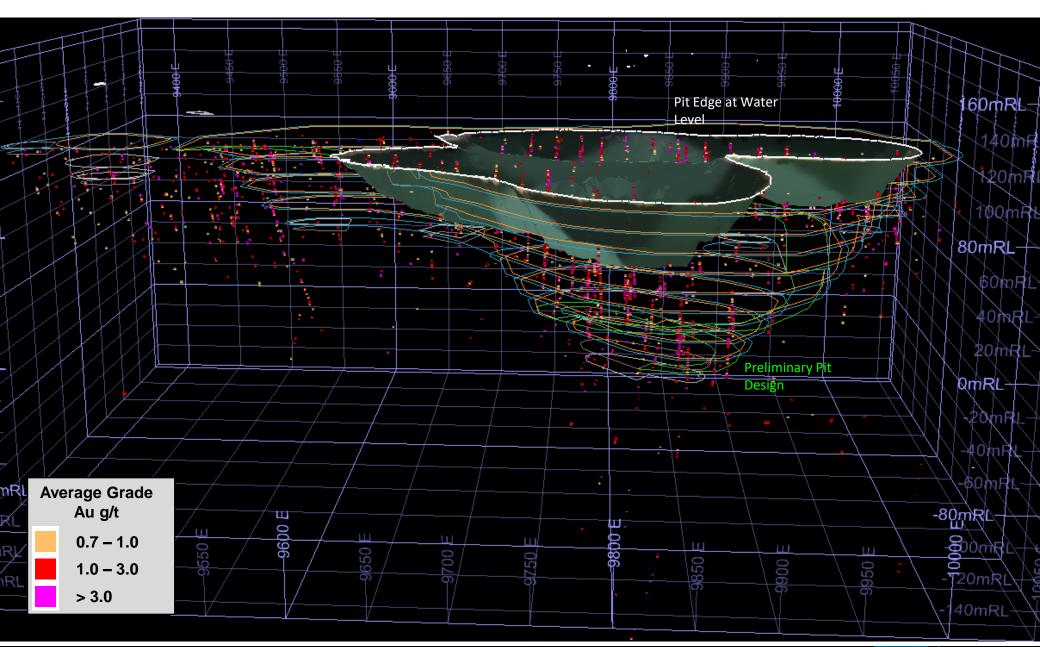


Fountain Head East and Tally Ho



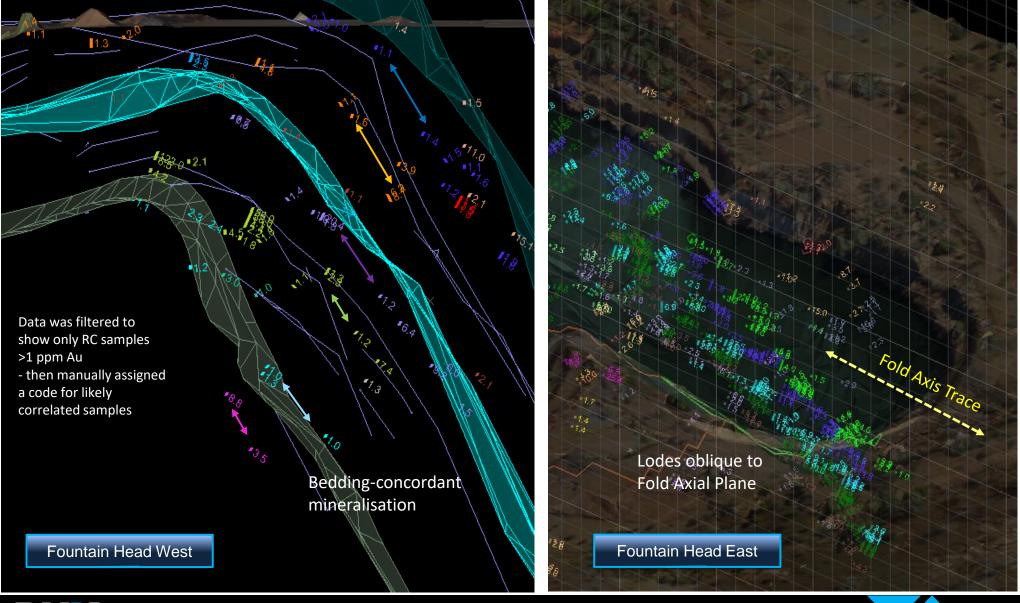








Coding of Individual Veins and Features

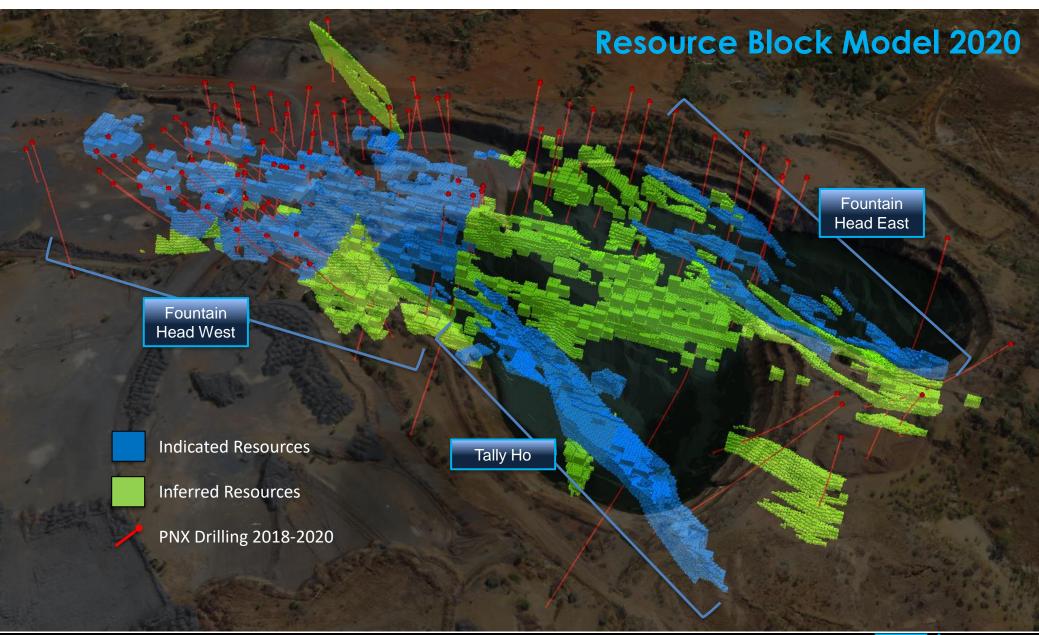




Continuity of High Grades (>3 g/t Au)









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.

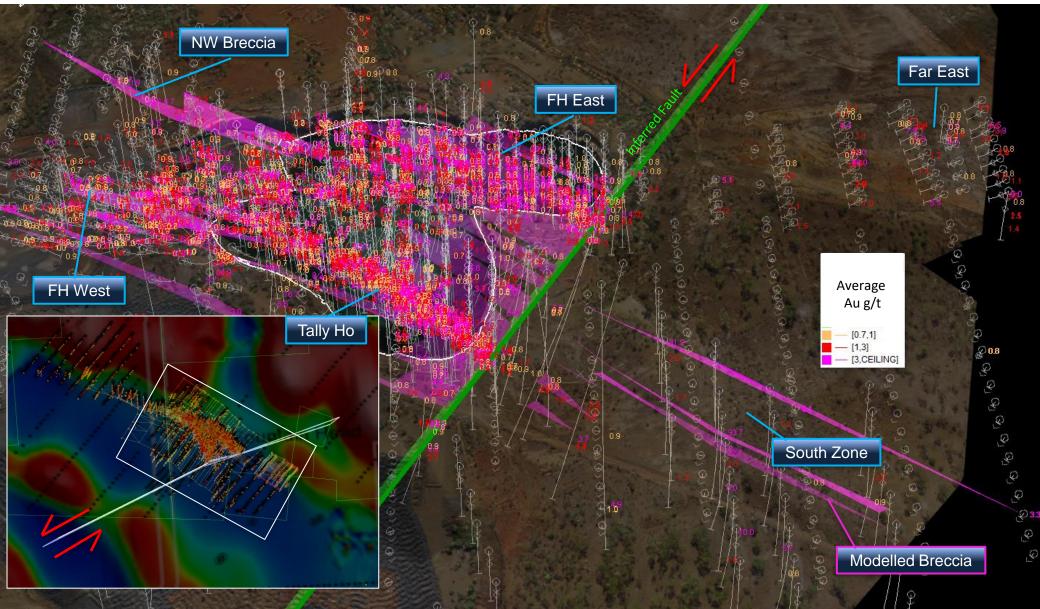
PNX 2019 MRE – ASX Announcement 11 July 2019

- Increase by around 65 koz from 2015*

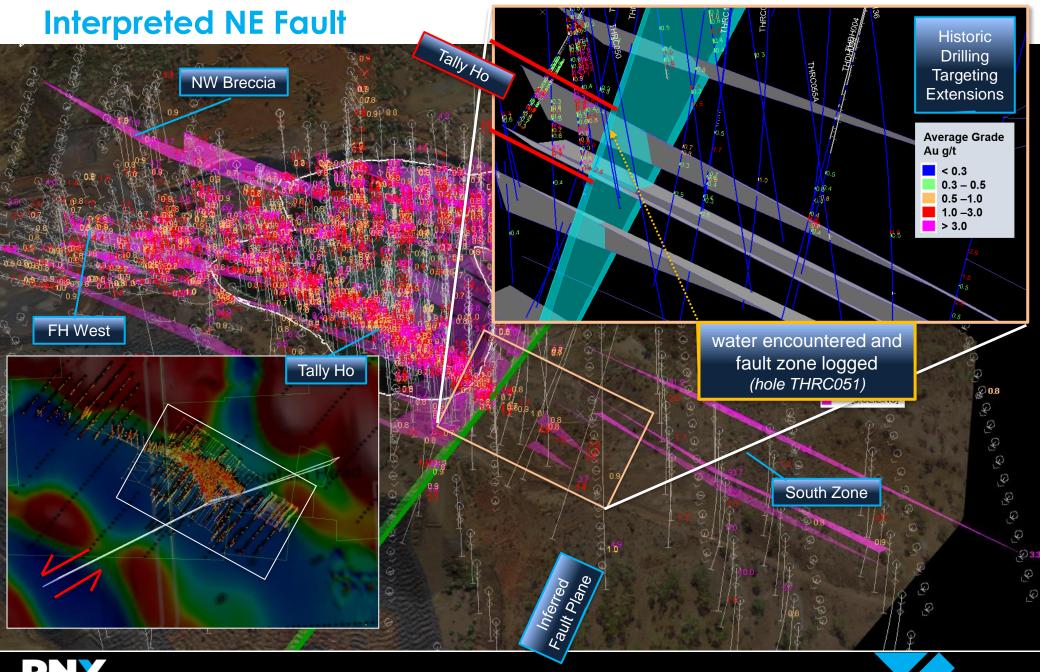
PNX 2020 MRE – ASX Announcement 16 June 2020 - Increase by around 18 koz from 2019, plus resource class upgrades



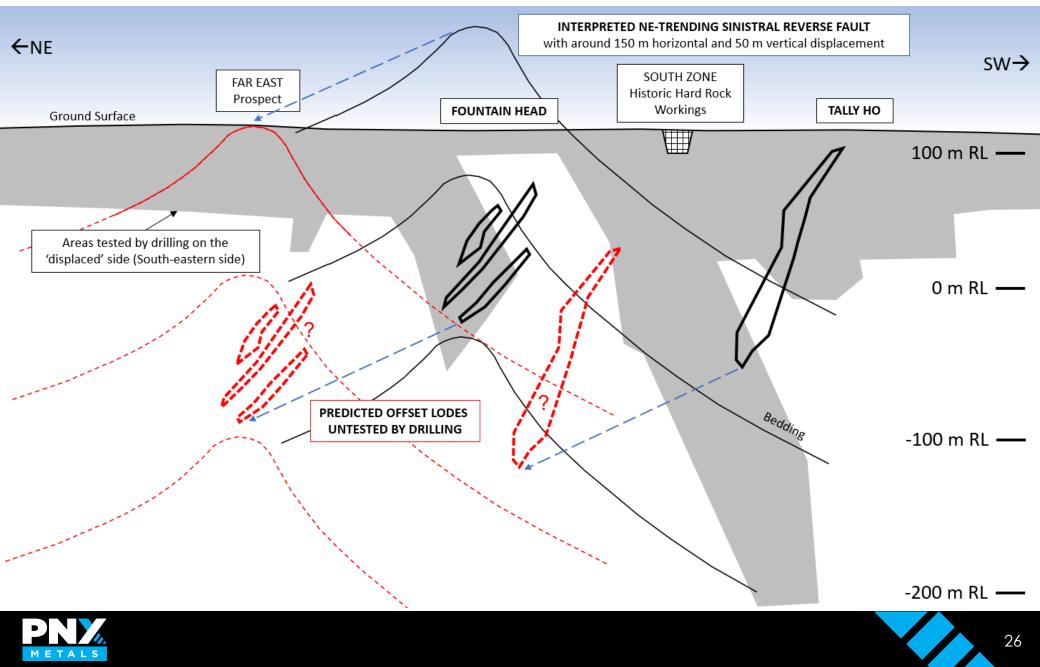
Interpreted NE Fault



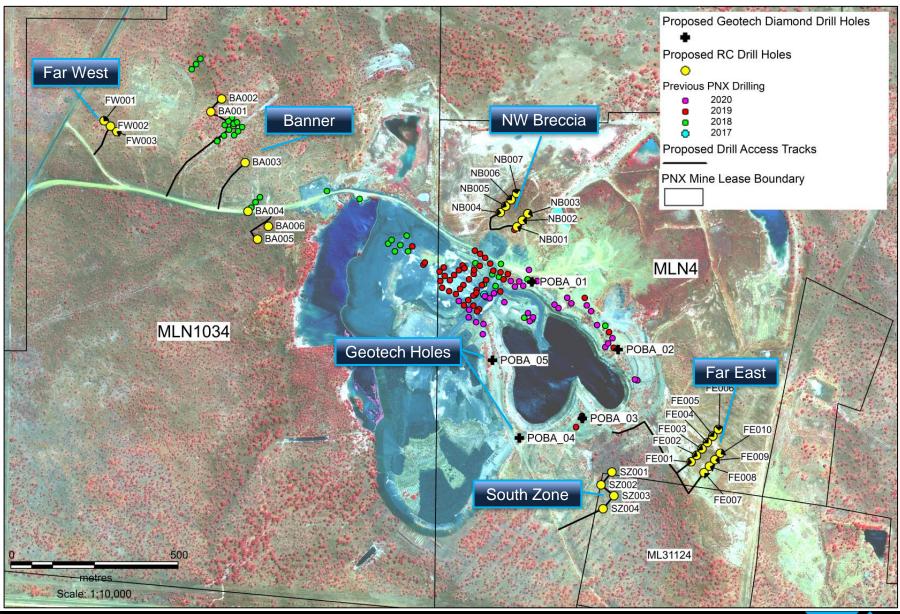




Predicted Lode Offsets by NE Fault



Planned Drilling 2021 - Near-Mine Exploration and Geotech









References

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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.