



GUM CREEK GOLD PROJECT

AN OUTSTANDING EXPLORATION
OPPORTUNITY

RIU Explorers Conference

Esplanade Hotel Fremantle, 16-18 February 2021

ASX:HRN

IMPORTANT NOTICE AND DISCLAIMER

Forward Looking Statements

This presentation may contain certain “forward-looking statements” which may not have been based solely on historical facts, but rather may be based on the Company’s current expectations about future events and results. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward looking statements are subject to risks, uncertainties, assumptions and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Such risks include, but are not limited to metals price volatility, currency fluctuations, as well as political and operational risks and governmental regulation and judicial outcomes.

No New Information or Data

This presentation contains references to exploration results and Resource estimates, all of which have been cross referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

A COMPELLING GOLD INVESTMENT

+1Moz

+1Moz historical production from the licences through the Gidgee mill (1987 to 2005)

1.36Moz

Current 18.6Mt @ 2.3g/t Au* Mineral Resource on granted mining leases with open pit and underground potential

620km²

Dominant exploration land holding all within the Gum Creek Greenstone Belt SE of Meekatharra

48 targets

Extensive brownfields and greenfields exploration targets along 80km of continuous strike

40 mines

37 historic open pit and three underground gold mines on mining leases within Horizon's tenements

Infrastructure

Significant existing infrastructure: mine camp, tailings dam, operating air strip and 600Ktpa plant

CORPORATE SNAPSHOT

ASX code **HRN**

Share price (15/02/2021) **\$0.51**

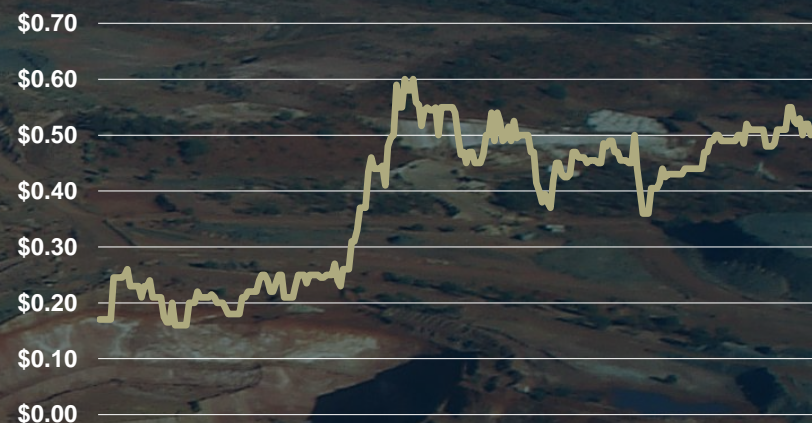
Shares on issue **87.8M**

Market capitalisation **\$44.8M**

Cash (31/12/2020) **\$1.1M**

Major shareholder **ASX : ZER 69%**

12 MONTH SHARE PRICE



BOARD OF DIRECTORS

Chair **Peter Sullivan**

Managing Director **Leigh Ryan**

Non-Executive Director **Jamie Sullivan**

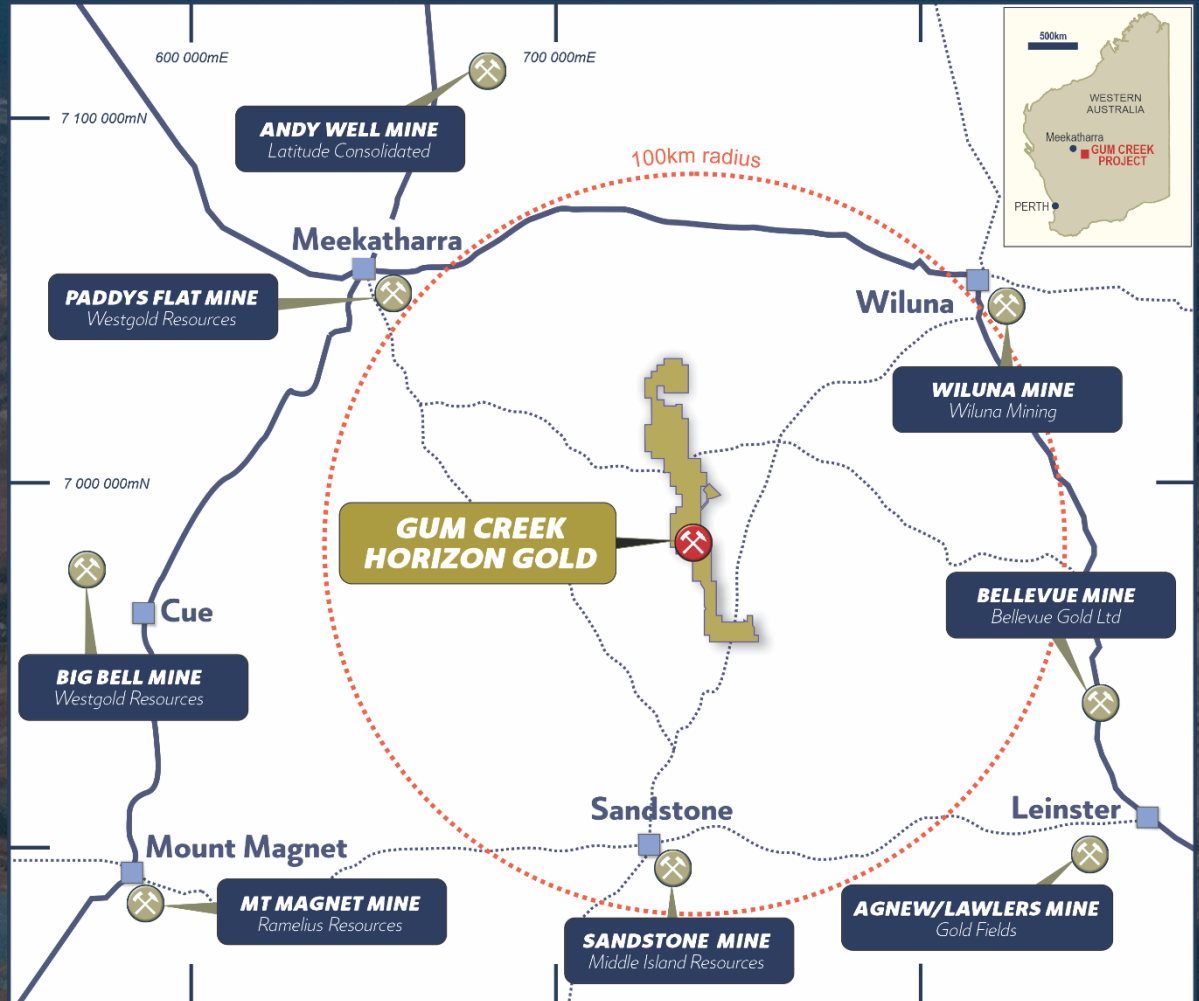
Non-Executive Director **Peter Venn**

Non-Executive Director **Dugald Morrison**

Company Secretary **Trevor O'Connor**

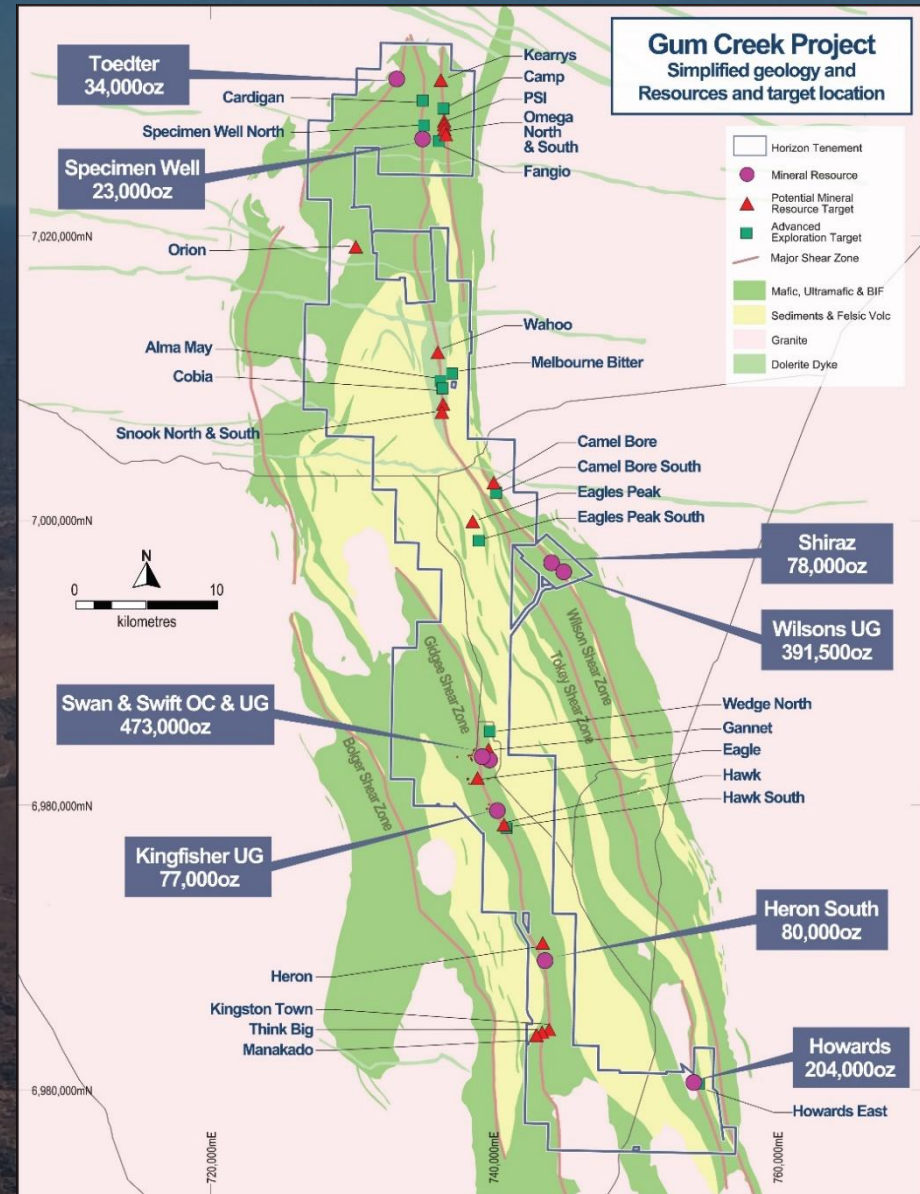
GUM CREEK PROJECT

- One flagship project in the centre of a highly productive gold mining district
- 1.1Moz mined between 1987 and 2005 (Amoco JV, Australian Resources, Abelle, & Legend Mining)
- Mining ceased in March 2005 when the gold price was around A\$560/oz
- Five operating processing plants in the region
- Strategy is to build on the resource and develop a standalone mining operation



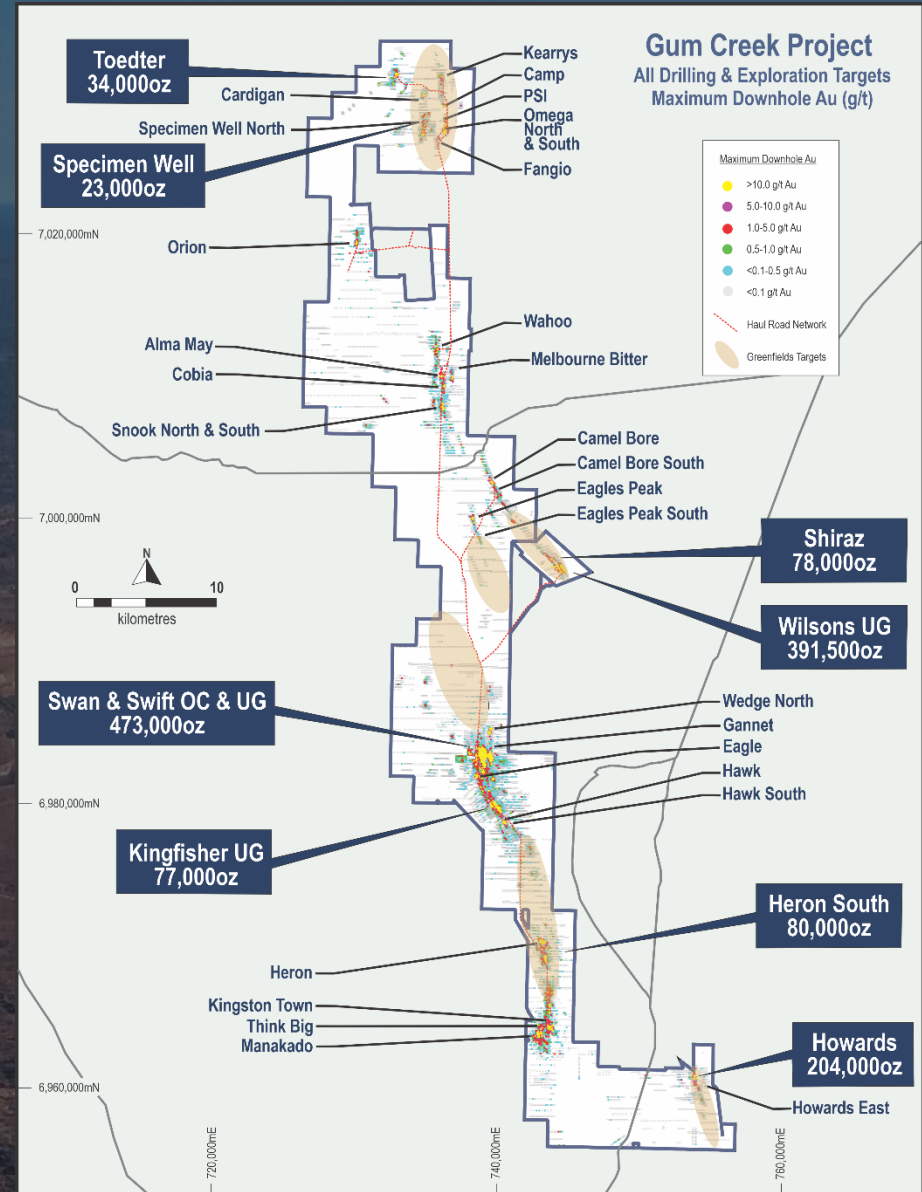
GEOLOGICAL REVIEW AND TARGETING

- Dominant contiguous tenement package over the Gum Creek Greenstone Belt (620km²)
- Comprehensive geological and targeting review identified 48 exploration targets over 80km of continuous strike
 - 9 high-priority drill ready targets at existing Mineral Resources
 - 20 drill ready targets at known mineralised areas with previous drilling
 - 13 advanced exploration targets
 - 6 greenfields targets with potential for major new discoveries



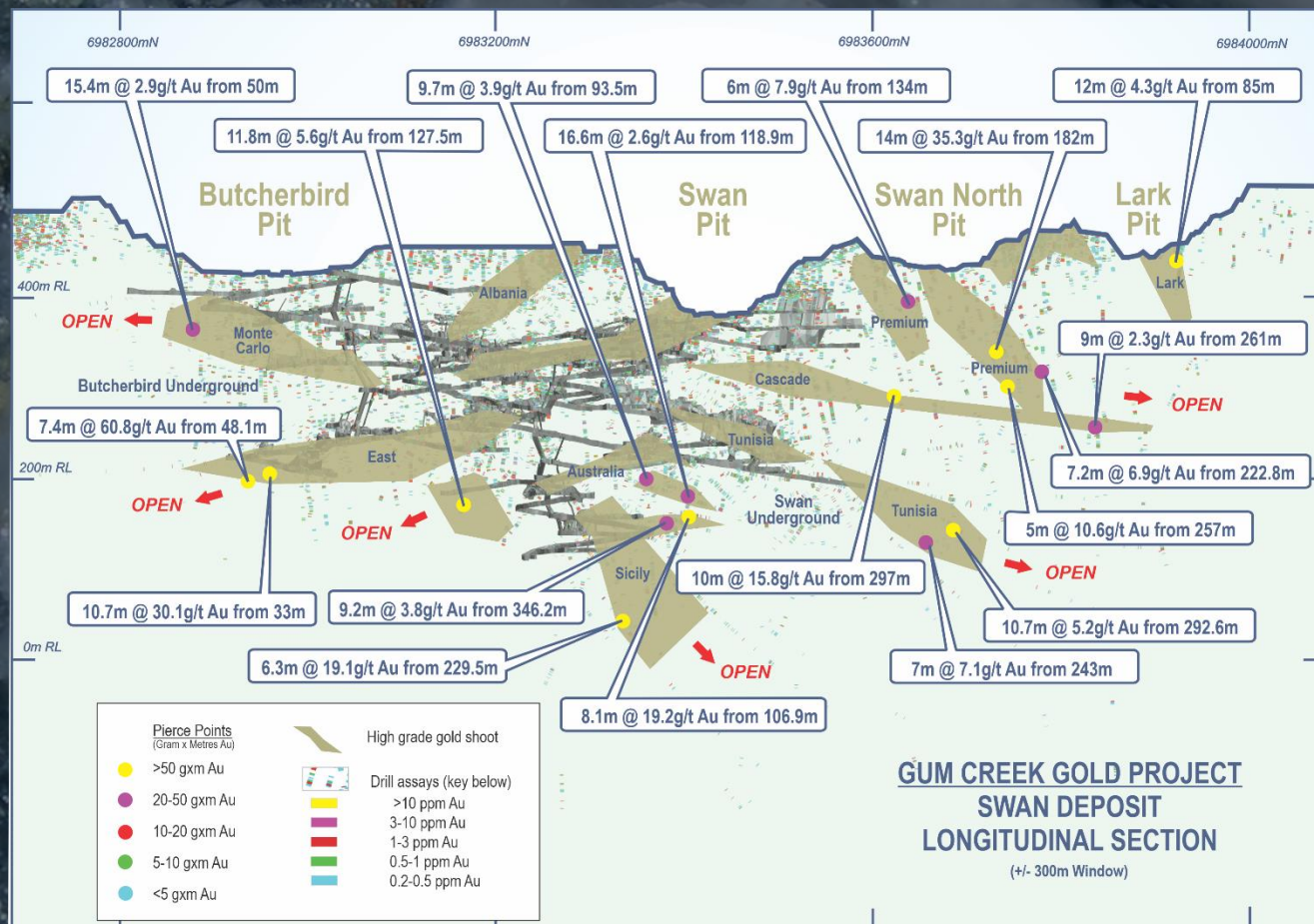
GEOLOGICAL REVIEW AND TARGETING

- 65% of the drill holes at Gum Creek are less than 50m deep
- No significant near-mine drilling around the 40 known mining areas for 20 years
- Outstanding potential to significantly increase the current 1.36Moz MRE
- In summary:
 - Prospective rocks
 - Prospective structures
 - Good variety of gold mineralisation styles
 - Walk up drill targets



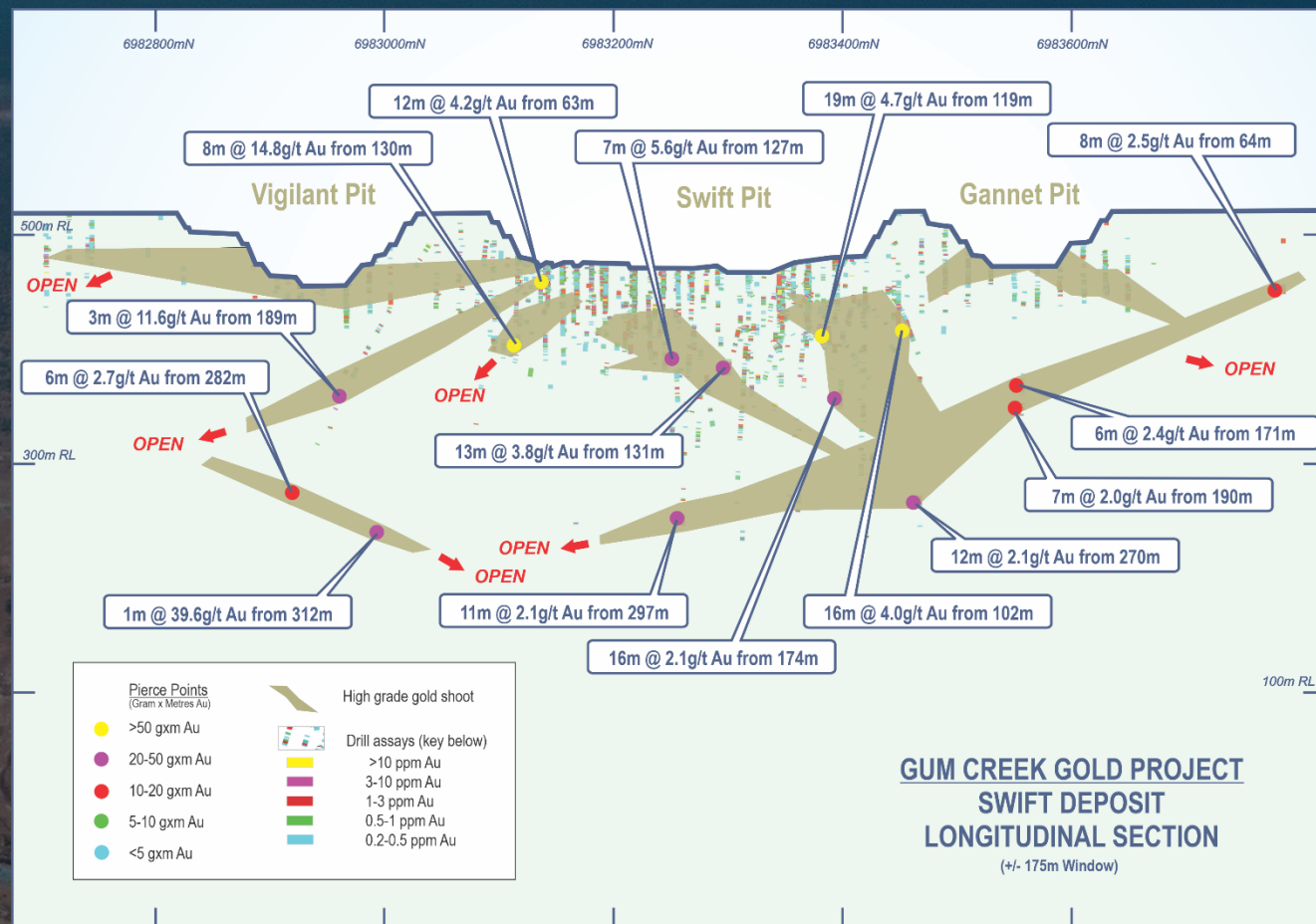
SWAN/SWIFT RESOURCE AREA

- Swan/Swift current open cut resource is 323Koz @ 2.4g/t Au
- Swan UG MRE is 115Koz @ 7.0g/t Au
- 700m from the Gidgee mill
- Large structurally complex mineralised system in dolerite host rocks
- Excellent potential to define further open cut and underground gold resources



SWAN/SWIFT RESOURCE AREA

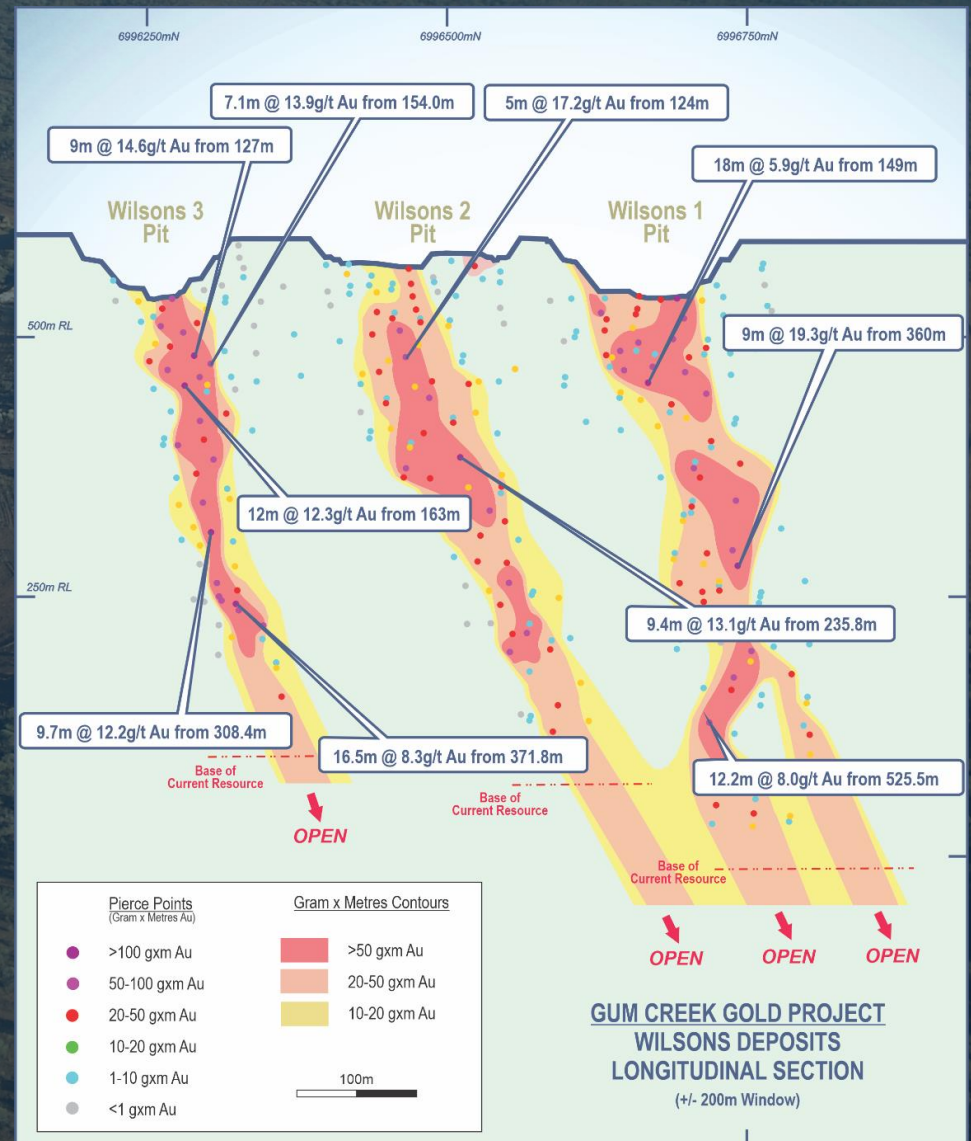
- Swift underground MRE is 35Koz @ 5.9g/t Au
- 1.2km from the Gidgee mill
- Structurally complex mineralised system in dolerite host rocks
- Excellent potential to define further open cut and underground gold resources



WILSONS RESOURCE AREA

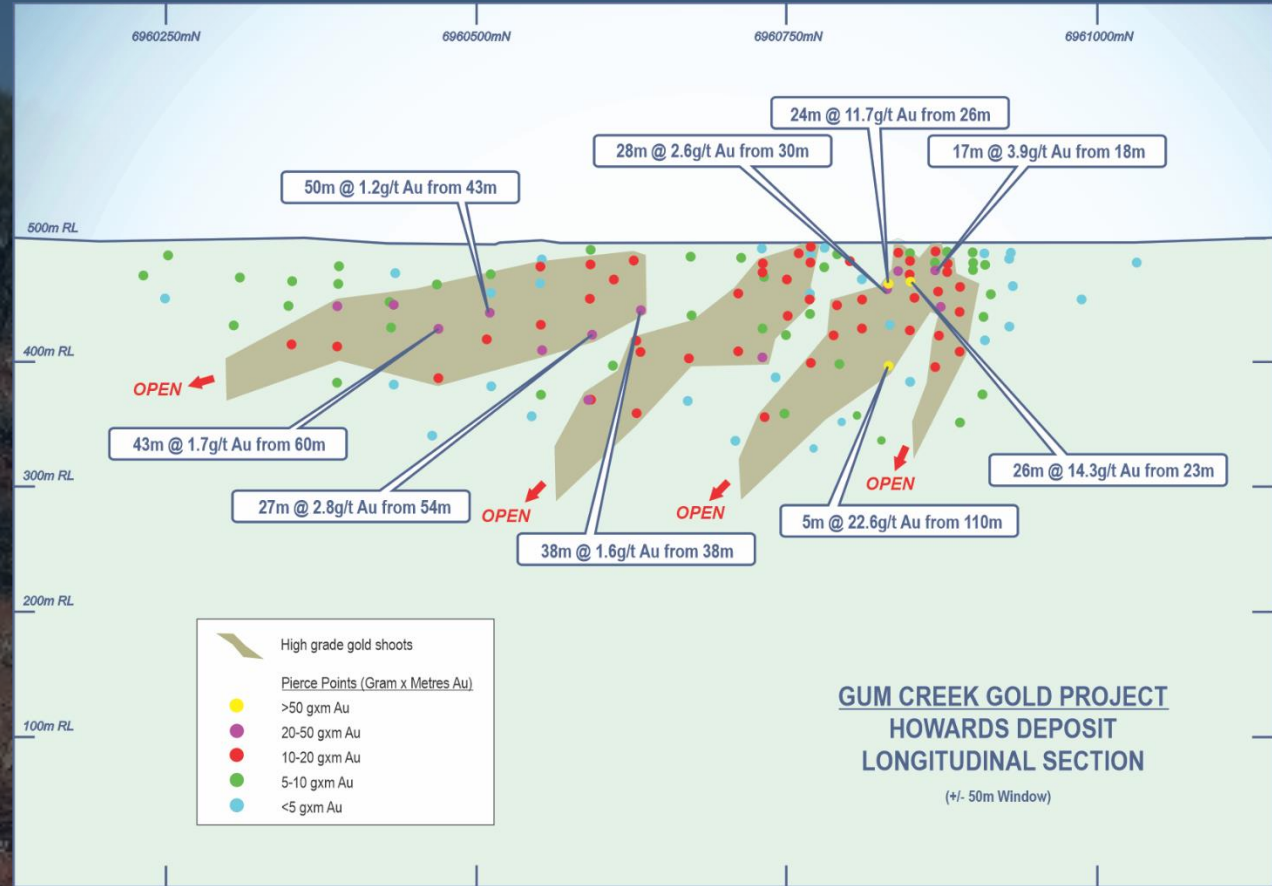
- Wilsons current resource is 391Koz @ 5.4g/t Au
- 15km north of the Gidgee mill
- Three high grade plunging lodes open down plunge – structural jogs on dolerite / sediment contact
- Excellent potential to define additional gold resources at depth and along strike
- Best historic drill intercepts:
 - 9m @ 19.3g/t Au from 360m
 - 12.0m @ 12.3g/t Au from 163m
 - 16.5m @ 8.3g/t Au from 372m

Refer to Horizon Gold ASX Announcement dated 15 February 2021 titled "Gum Creek Geological Review" for drill intercept information



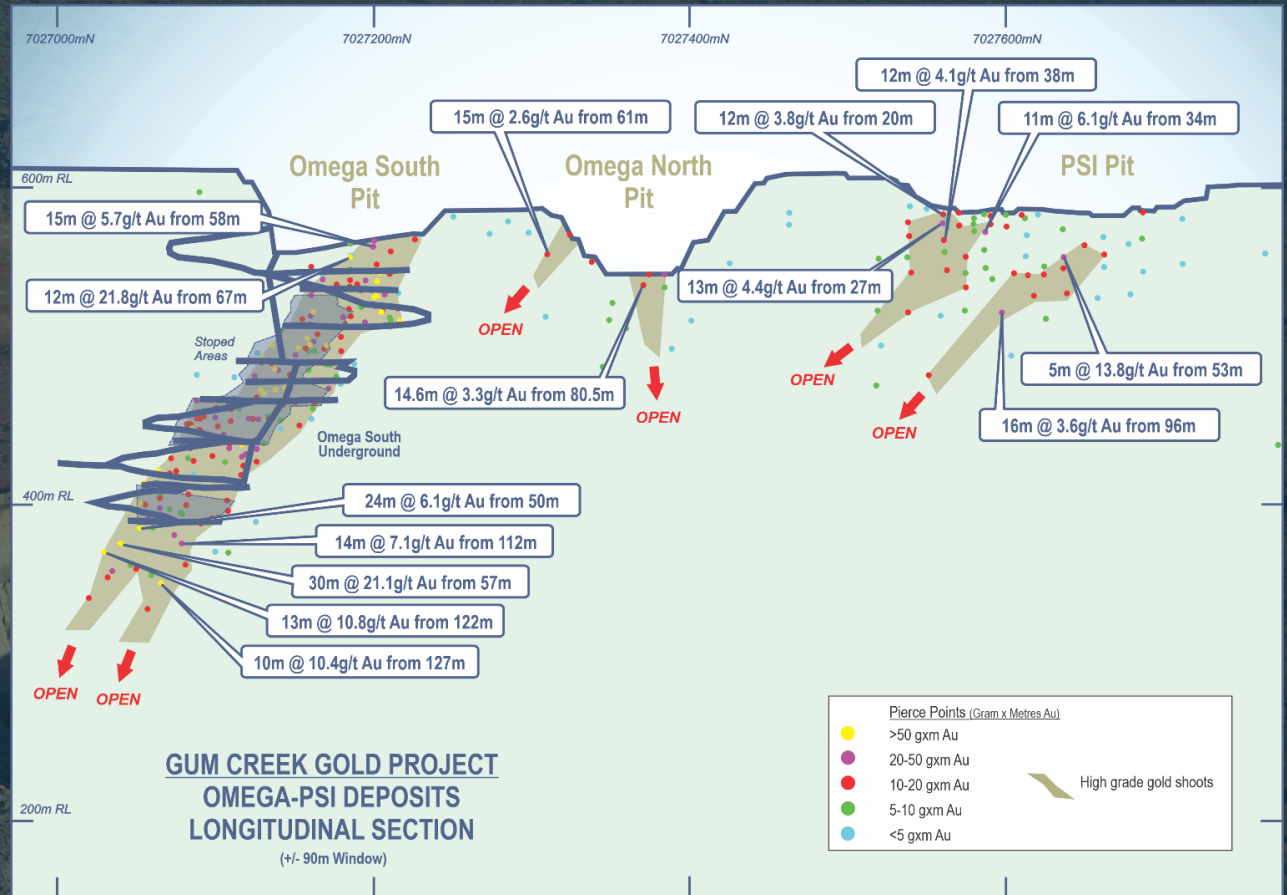
HOWARDS DEPOSIT

- Howards current resource is 204Koz @ 1.1g/t Au
- 28km southeast of the historic Gidgee mill
- Currently 1km long and up to 50m wide
- Higher grade plunging gold lodes in quartz veined altered basalt (open down plunge)
- Good potential to define additional gold resources at depth and along strike



OMEGA / PSI DEPOSITS

- 40km north of the Gidgee mill
- High grade plunging gold lodes in folded BIF (open down plunge)
- Excellent potential to define additional gold resources at depth
- Best historic underground drilling intercepts:
 - 30m @ 21.1g/t Au from 57m
 - 13m @ 10.8g/t Au from 122m



GUM CREEK EXISTING INFRASTRUCTURE



DRILL TARGET PRIORITIES

- Forty eight exploration targets across four categories of advancement provides an extensive and exciting exploration pipeline
- Detailed target ranking based on structural style, host rock type, target gold grade, target depth, metallurgy and exploration stage completed
- Preparations underway for the next drill program at Gum Creek expected to commence in Q2 2021
- Initial drilling will focus on shallow, free milling oxide targets



INVESTMENT HIGHLIGHTS

**+1.3Moz +2g/t
Gold
Resource**

**Strategic
regional asset**

**+40 drill targets
identified**

**Resource
upside below
+30 pits**

**Continuous
80km of strike**

**Drilling
expected to
commence Q2
2021**

**Standalone
development
potential**

**Underexplored
greenstone belt**

**Strong Board &
supportive
shareholders**

MINERAL RESOURCES

Resource	Resource Date	Cut-off grade (g/t Au)	Mineralisation Type	Indicated		Inferred		Total		Contained Gold (oz)
				Tonnes	Au (g/t)	Tonnes	Au (g/t)	Tonnes	Au (g/t)	
Open Pit Resources										
Swan & Swift OC	Jan-21	0.7	Free Milling	2,642,000	2.6	1,516,000	2.0	4,158,000	2.4	323,000
Heron South	Aug-16	0.5	Refractory	1,135,000	2.2	2,000	1.3	1,137,000	2.2	80,000
Howards	Jul-13	0.4	Free Milling	5,255,000	1.1	716,000	1.0	5,971,000	1.1	204,000
Specimen Well	Aug-16	0.5	Free Milling			361,000	2.0	361,000	2.0	23,000
Toedter	Aug-16	0.5	Free Milling			690,000	1.5	690,000	1.5	34,000
Shiraz	Jul-13	0.4	Refractory	2,476,000	0.8	440,000	0.8	2,916,000	0.8	78,000
Underground Resources										
Swan UG	Jan-21	2.5 / 3.0*	Free Milling	293,000	7.1	221,000	6.9	514,000	7.0	115,000
Swift UG	Jan-21	3.0	Free Milling			181,000	5.9	181,000	5.9	35,000
Kingfisher UG	Aug-16	3.5	Free Milling			391,000	6.1	391,000	6.1	77,000
Wilson's UG	Jul-13	1.0	Refractory	2,131,000	5.3	136,000	6.0	2,267,000	5.4	391,500
Total				13,932,000	2.2	4,654,000	2.5	18,586,000	2.3	1,360,500

* cut-off grades are 2.5g/t Au for Swan UG Indicated, and 3.0g/t Au for Swan UG Inferred.

NB. rounding may cause slight discrepancies in totals.

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