GENERATIONPGM

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MARATHON CU + PGE PROPERTIES

GROWTH THROUGH EXPLORATION

OVERVIEW



Planning for the future: defining mineral resources while testing high grade copper and PGE targets

1. Define mineralization neighbouring the Marathon Deposit

2. Define satellite deposits within the Complex

3. Test high grade Cu and PGE targets

MARATHON EXPLORATION



EXPLORATION HISTORY

The Marathon Horizon accounts for < 20% of the property but has received the majority of exploration efforts over the last 50 years

Meters Drilled	Marathon	Sally	Geordie	Boyer	Four Dams	Dunlop	Property
Pre 2010	158,113	5,586	6,644		7,455	4,772	182,815
2010 - 2019	8,385	11,367	3,011		5,805		28,568
2019 - 2021	20,430	2,278	2,586	3,063			28,357
Total	186,928	19,231	12,241	3,063	13,260	4,772	239,740

There has been exploration drilling dispersed throughout the Coldwell Complex but the drilling footprint accounts for < 5% of Generation's property – only 20% of the highly prospective Marathon Horizon has been adequately drilled to date

New modelling suggests exploration potential expands both outside the rim and into the core of the Coldwell Complex – creating new targets overlooked by past explorers

MARATHON UNDERGROUND POTENTIAL



BIIWOBIK



SALLY DEPOSIT

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Extreme high grade PGE and Cu targets

- 24.8 Mt Indicated open pit resource
 - 278 Koz Pd, 160 Koz Pt, 56 Koz Au and 93 Mlb Cu
 - Resource defined by 82 drillholes totaling 16,975 m
- Explore for source of high grade samples using 2019 and 2020 geophysics







SALLY DEPOSIT

- 2020 MT Survey produced multiple targets
- Three high priority targets along Marathon Horizon immediately underly economic drill intercepts – anomalies remain untested
- 2019 Sisprobe (Passive Seismic) survey identified large high density seismic anomaly at depth below Sally Deposit - extends into Archean Footwall







GEORDIE DEPOSIT

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Low cost exploration to rapidly increase mineral resource at the Geordie satellite deposit

- 17.3 Mt Indicated open pit resource
 - 312 Koz Pd, 20 Koz Pt, 25 Koz Au and 133 Mlb Cu
- 12.9 Mt inferred resource
 - 212 Koz Pd, 12 Koz Pt, 14 Koz Au and 80 Mlb Cu
 - Resource is defined by 61 drillholes totaling 9647 m



 Mineralization is open in all direction and not closed off by drilling
15 km west of the Marathon Deposit
15 km west of the Marathon Deposit
6-10-16: 57 m with 0.459 % Cu, 0.83 g/t Pd (0.05 g/t Pt and 0.06 g/t Au

FOUR DAMS



REDSTONE



RECENT ADVANCEMENTS – REGIONAL LIDAR

- Topography defines lineaments radiating from center of Coldwell
 Complex – often representing ancient intrusive pathways
- Every known deposit coincides with at least one radial lineation (conduit)
- High resolution regional LiDAR survey completed in 2021 – aimed at defining more subtle lineaments
- Provides an additional tool to define high priority targets along the marathon horizon – particularly in areas of poor surface exposure



RECENT ADVANCEMENTS – CORE SCANNING

- Ongoing partnership with GeologicAI to test and develop core scanning technology and Artificial Intelligence (AI) logging at the Marathon Deposit
- Small training set (~2000 m) has already produced ~90% success rate with auto logger and mineral mapping AI – additional training will yield even better results
- Implementing core scanning during exploration will increase efficiency of vectoring towards high-grade mineralization in <u>real time</u>





RECENT ADVANCEMENTS – CORE SCANNING

- Currently W-Horizon and Main Zone can only be definitively identified using metal ratios from assay results - up to 6 weeks too late
- Core scanning will allow <u>consistent</u> identification of Main Zone vs W-Horizon mineralization – allowing more dynamic drill programs and real time vectoring towards higher grade zones
- Seen as a critical exploration tool moving forward to target high-grade feeder channels and massive sulfides
- Increased efficiency of exploration • programs at a nominal cost (~\$5/meter)



AI



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High definition core scanning uses Artificial Intelligence to accurately and precisely identify sulfide mineralization