CASSIUS
MINING LIMITED
TOGETHER,
BREAKING NEW GROUND

DISCLAIMER

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THE OPPORTUNITY

WHO IS CASSIUS MINING LIMITED?

WHO IS CASSIUS MINING LIMITED?

- ASX Listed Mining Co. (CMD)
- Advanced Stage Gold Exploration
- Large Scale Licensed Project in Upper East Region in Ghana
- Also hold a significant fully licenced limestone asset in Madagascar

PROJECT BACKGROUND

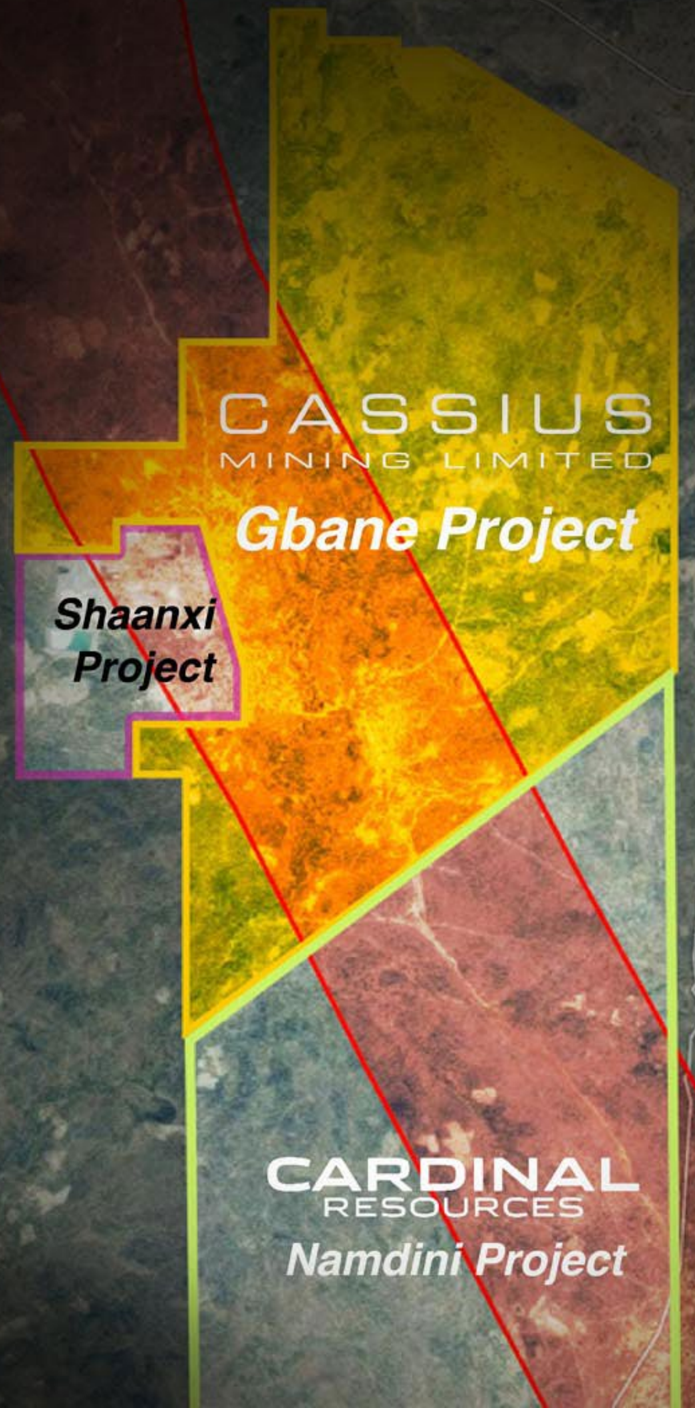
PROJECT BACKGROUND

- De Blocking of small scale area
- Large Scale Licence Issued in Dec 2016
- Have developed strong relationships in Ghana (Government and Local)
- Tremendous levels of engagement with Local Community

LICENCE ACQUISITION

LICENCE ACQUISITION

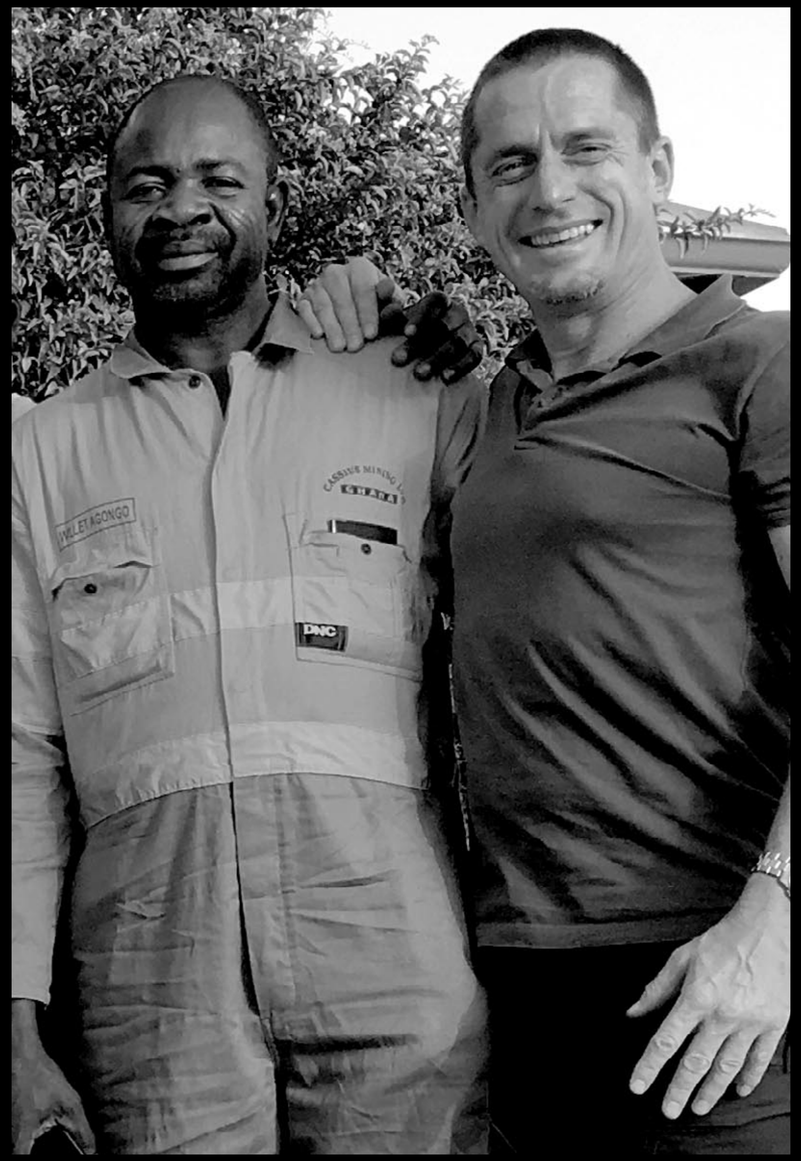
- ON 23 November 2017, Cassius Mining Limited announced the acquisition of the whole 13.79km2 large scale licence area
- The Licence Area is an integral piece of the regional puzzle
- And therefore represents a very interesting opportunity for investment



THE TEAM

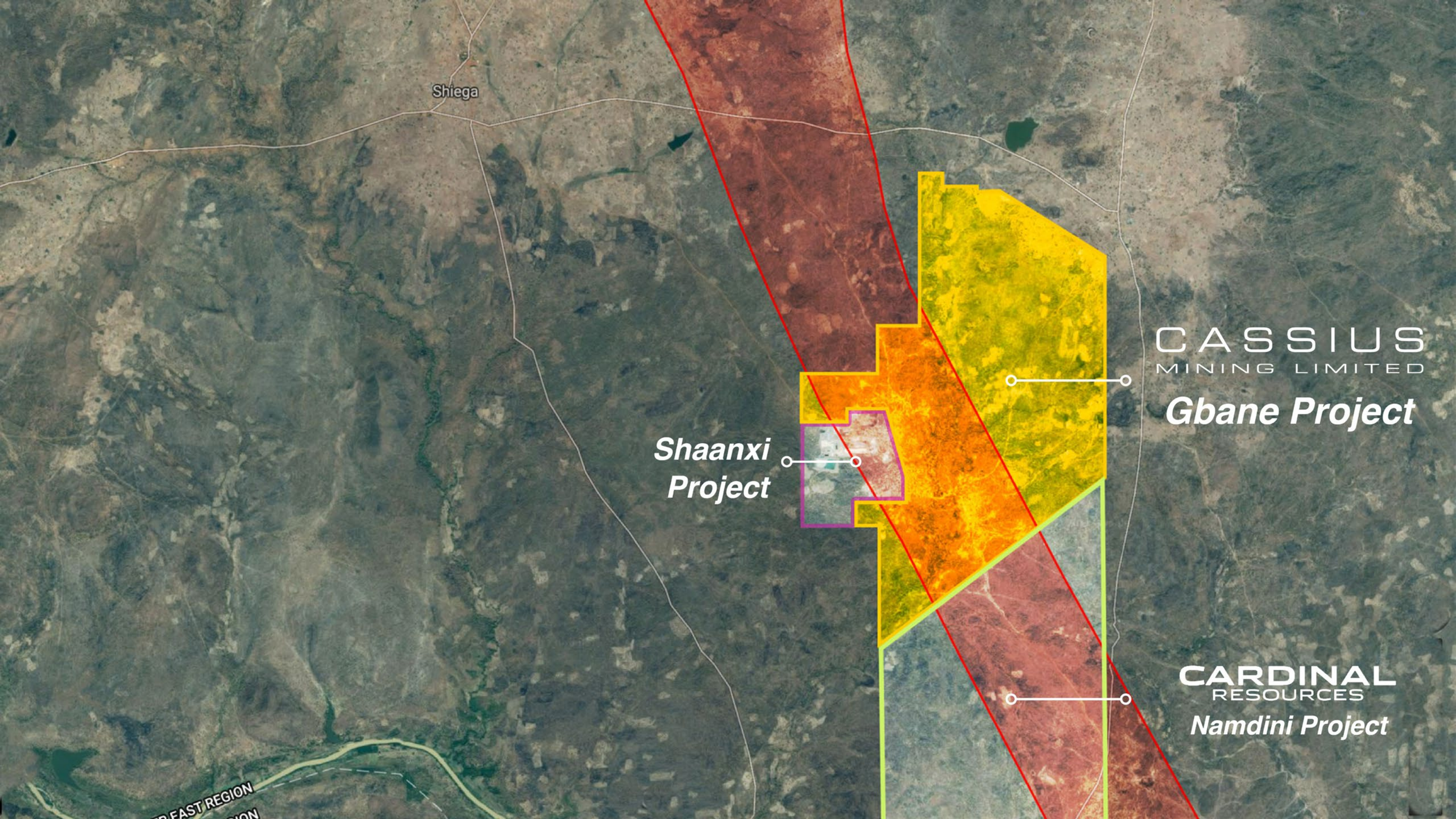
David Chidlow
Project Technical Director

Peter Gleeson
Senior Consultant Geologist



Project Managers and
Locally Experienced Geos

GEOLOGY

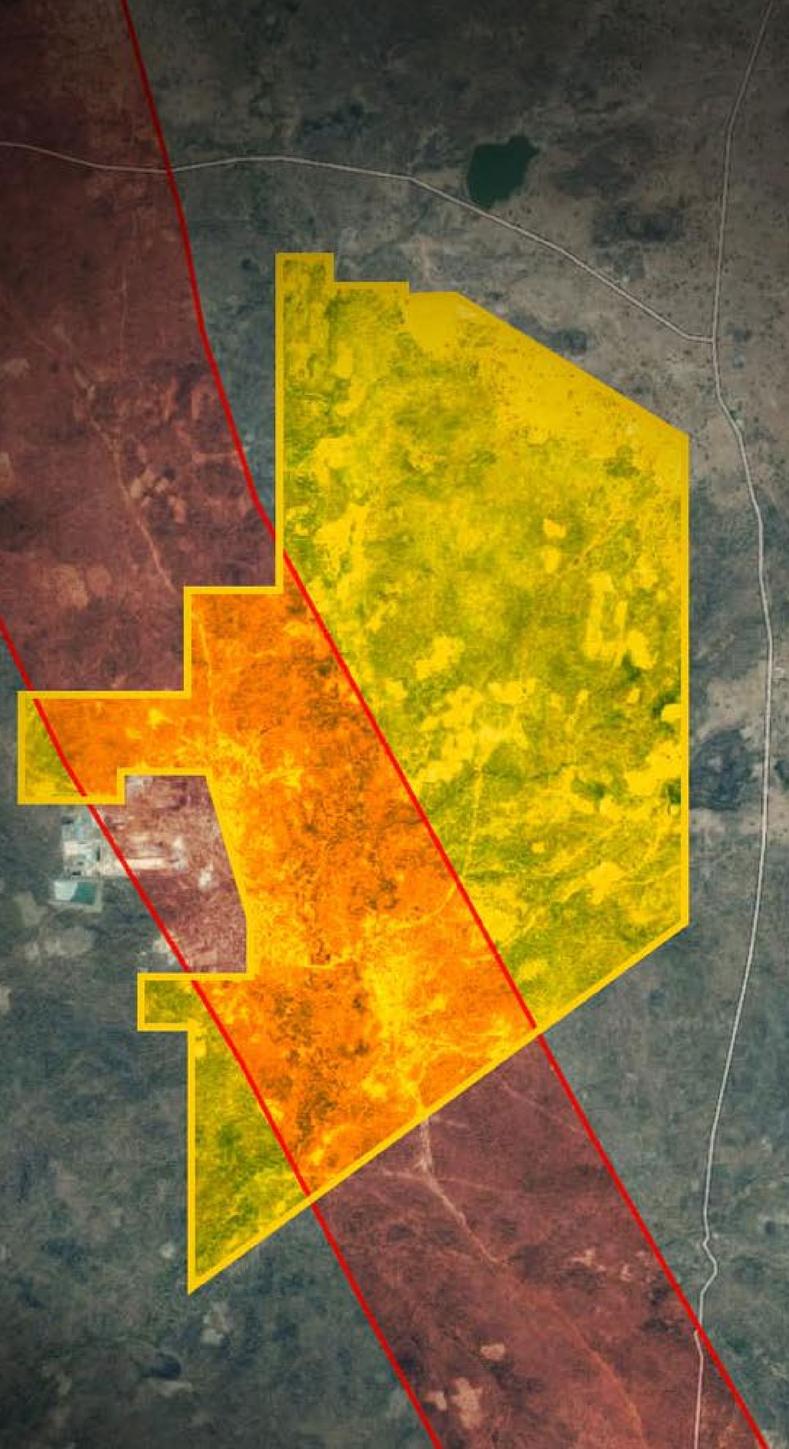

Shiega
CASSIUS
MINING LIMITED
Gbane Project
Shaanxi
Project
CARDINAL
RESOURCES
Namdini Project

EARLY STAGE EXPLORATION

SIGNIFICANT RESULTS
FROM INITIAL EXPLORATION PROGRAM INCLUDE

(LENGTHS ARE ALONG HOLE, AT -60 DEG INCLINATION):

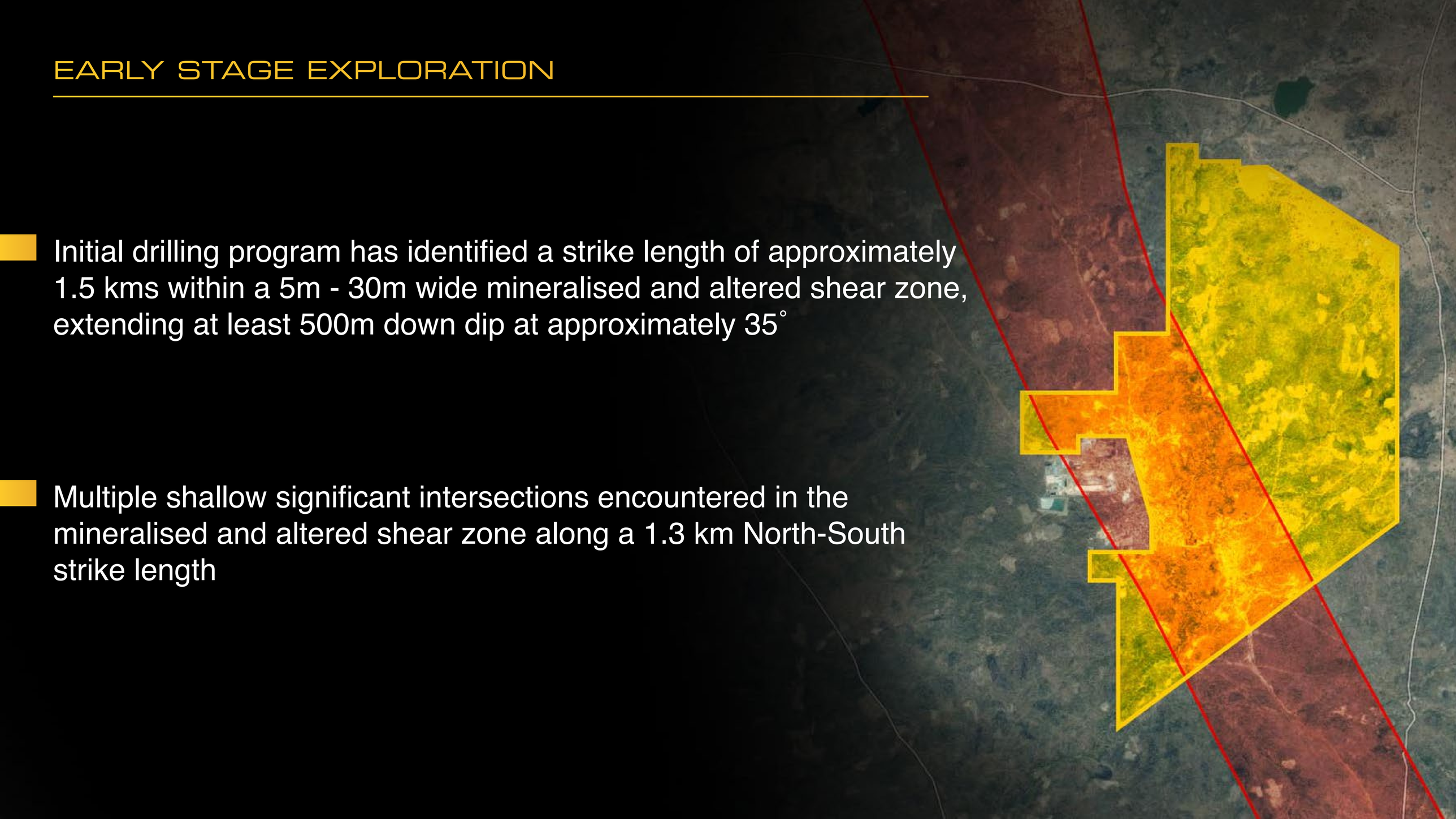
PHASE 1	PHASE 2
3M @ 5.03 G/T (FROM 0M)	1M @ 17.27 G/T (FROM 22M)
5M @ 4.83 G/T (FROM 14M)	1M @ 29.10 G/T (FROM 8M)
5M @ 4.38 G/T (FROM 130M)	2M @ 2.95 G/T (FROM 40M)
10M @ 2.9 G/T (FROM 238M)	3M @ 2.13 G/T (FROM 20M)
12M @ 1.83 G/T (FROM 123M)	4M @ 2.08 G/T (FROM 50M)
	10M @ 1.75 G/T (FROM 49M)



EARLY STAGE EXPLORATION

- Initial drilling program has identified a strike length of approximately 1.5 kms within a 5m - 30m wide mineralised and altered shear zone, extending at least 500m down dip at approximately 35˚

- Multiple shallow significant intersections encountered in the mineralised and altered shear zone along a 1.3 km North-South strike length

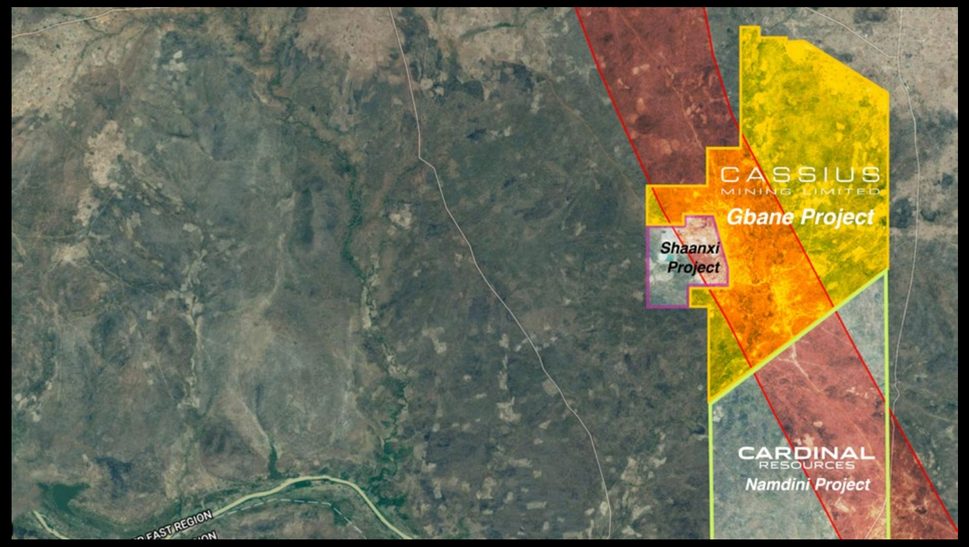


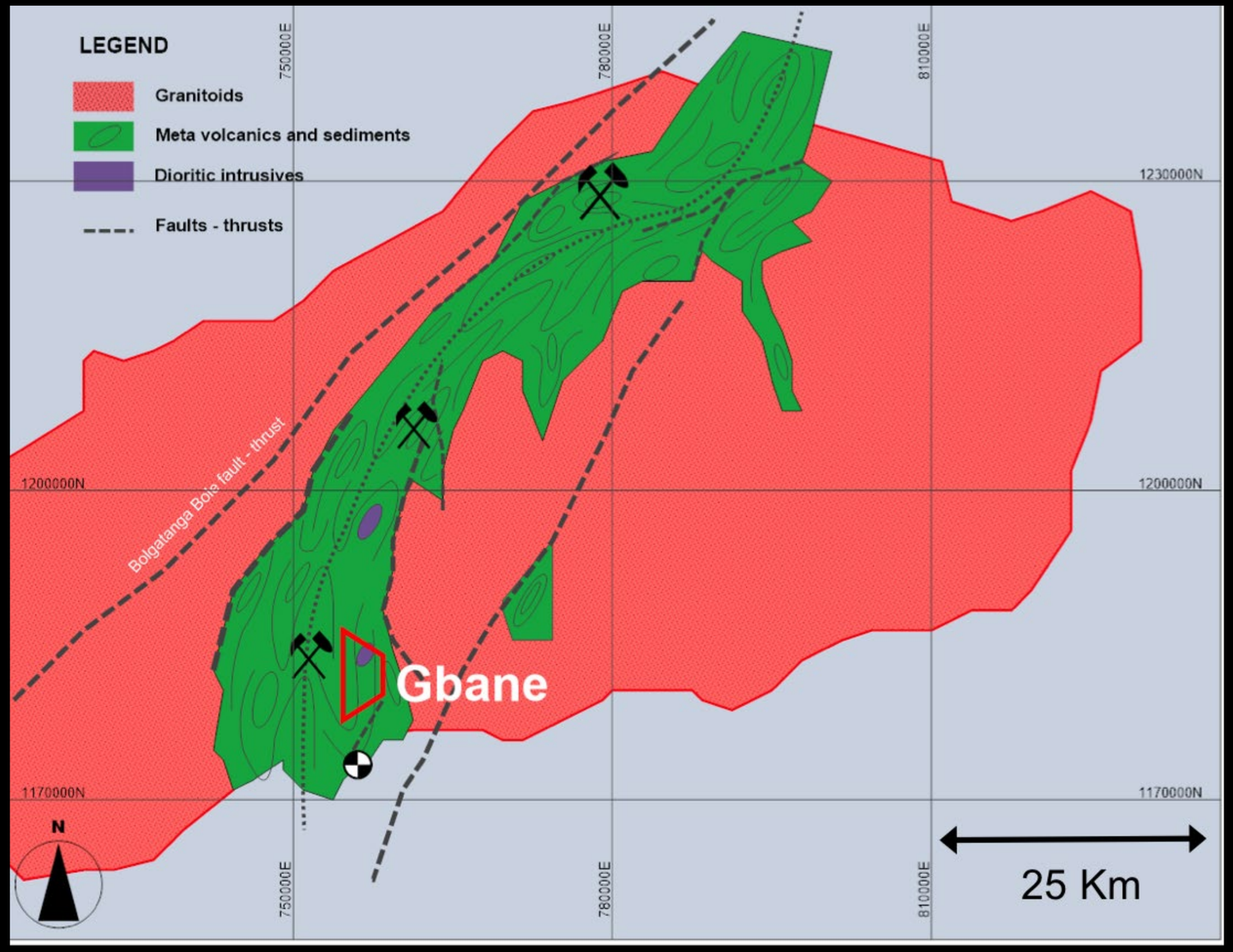
GEOLOGICAL OVERVIEW
OF THE GBANE PROJECT

with

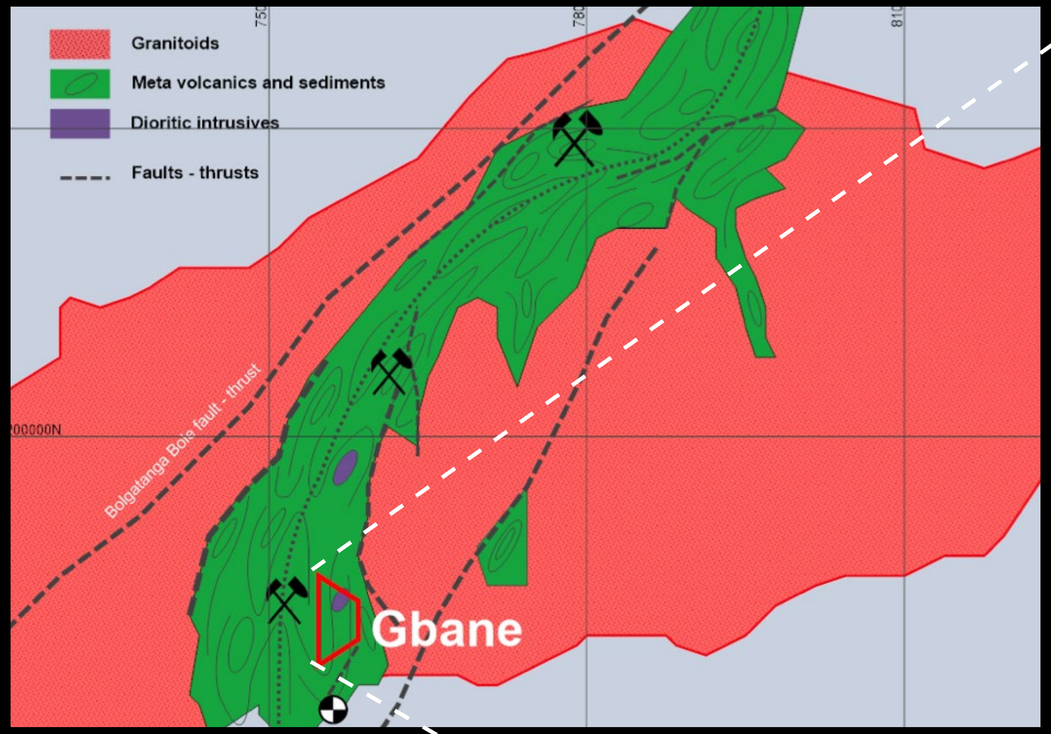
srk consulting

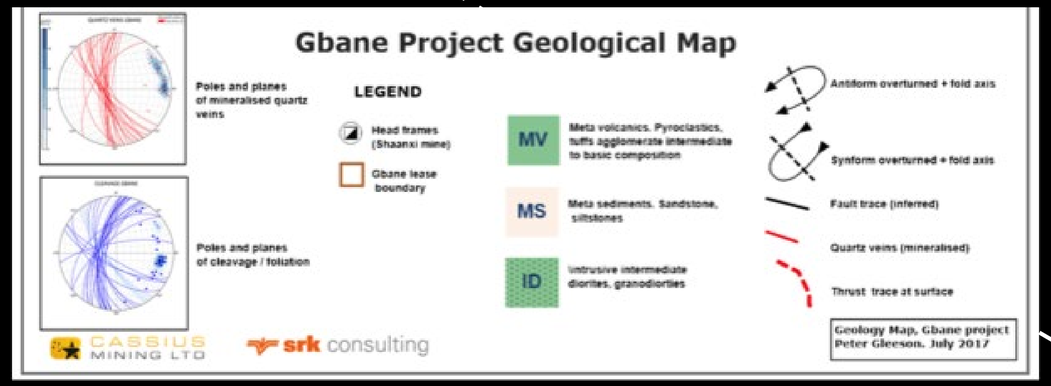
EXCELLENT EXPLORATION ADDRESS

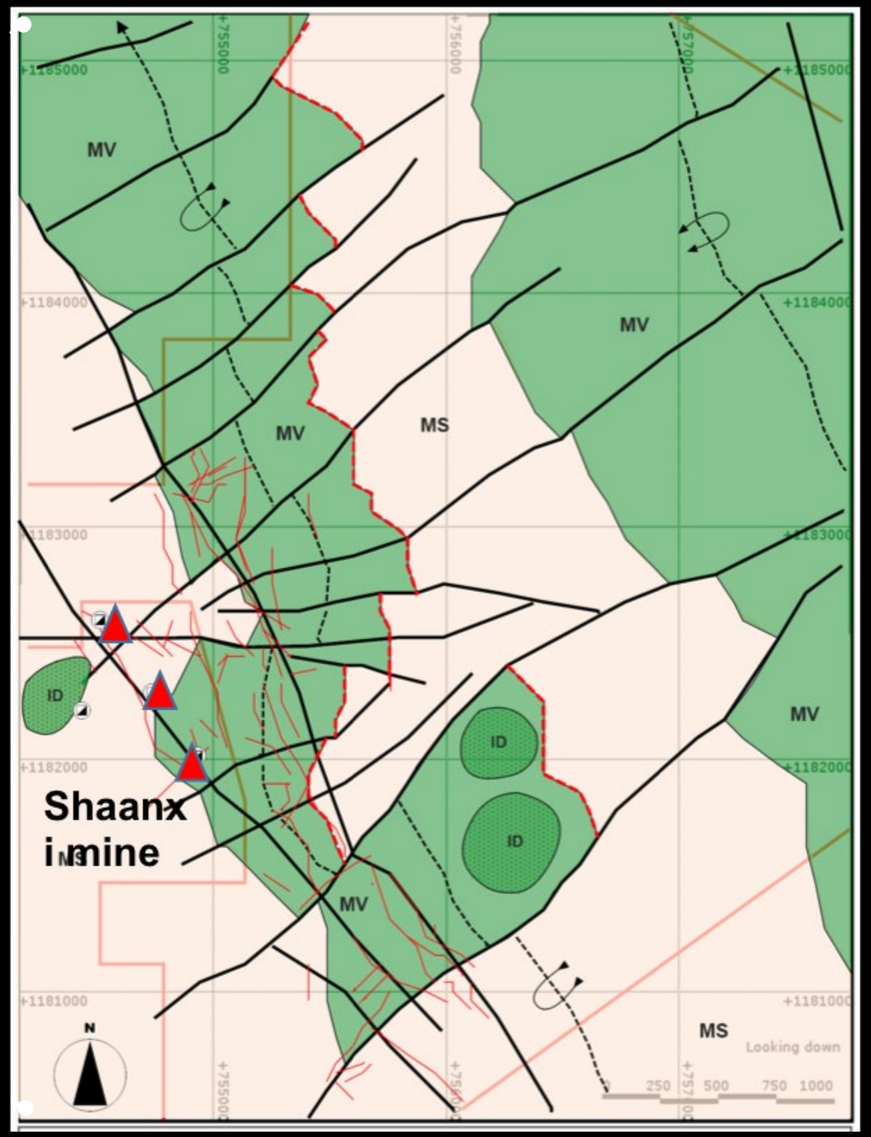




GEOLOGICAL OVERVIEW



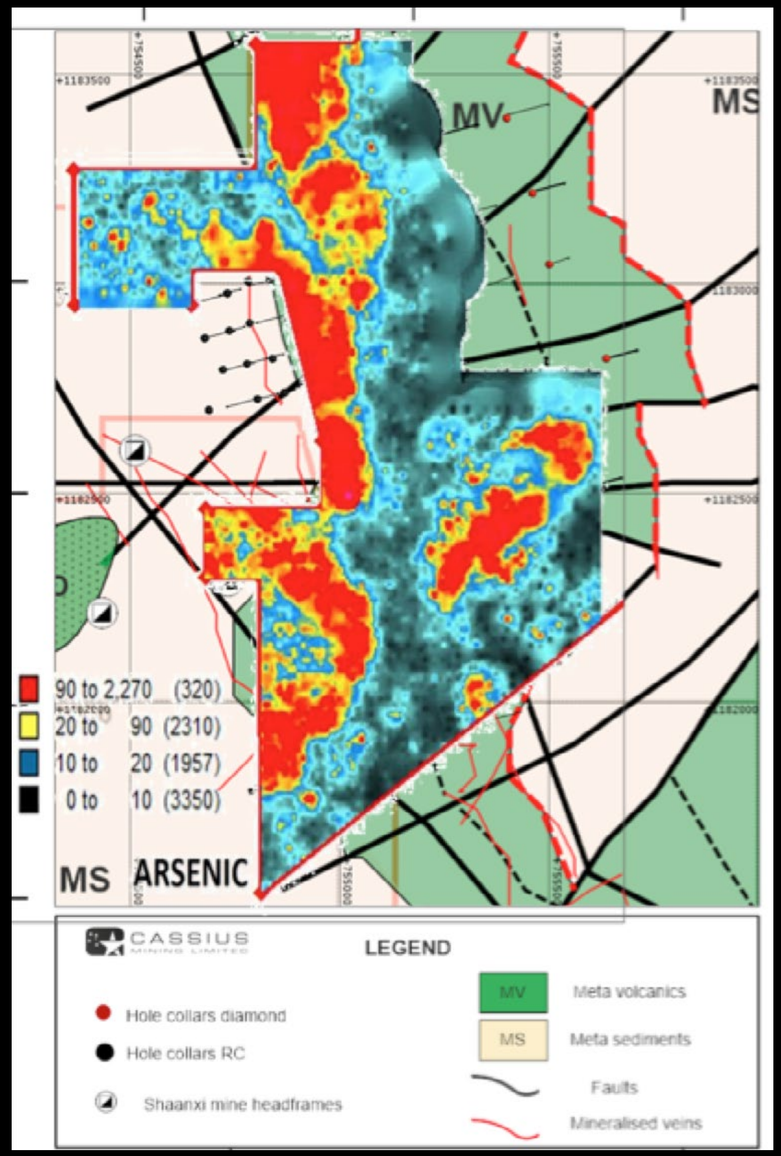




GBANE DRILLING SUMMARY

srk consulting

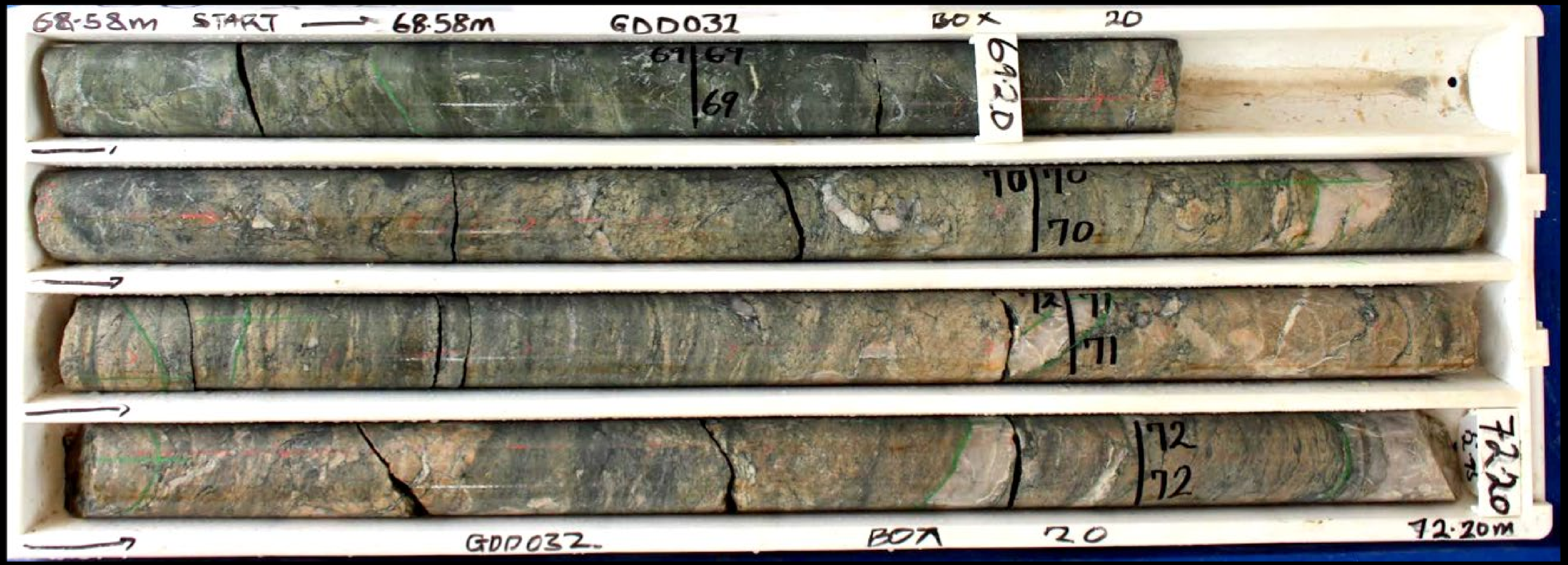
HOLE ID	LENGTH (METERS)	GRADE (Au ppm)
GDD001	12	2.4
GDD001	10	2.9
GDD010	6	6.85
GDD010	5	6.16
GRC017	6	1.42
GDD032	5	2.89
GDD002	3	2.33
GRC017	4	2.57
GDD012	5	1.78
GDD011	1	29.1
GDD025	1	17.27
GDD009	4	2.3
GRC055	4	2.3
PLUS OVER 30 INTERSECTION OF 1M > 1/GT GOLD		



GBANE MINERALISATION

- Gold occurs in quartz carbonate veins hosted in highly altered and sheared meta-volcanics
- Controlling shears zone are not simple tabular sheets
- These have a concentrated footprint but contain significant amounts of metal
- **Style of mineralisation analogous to Namdini**

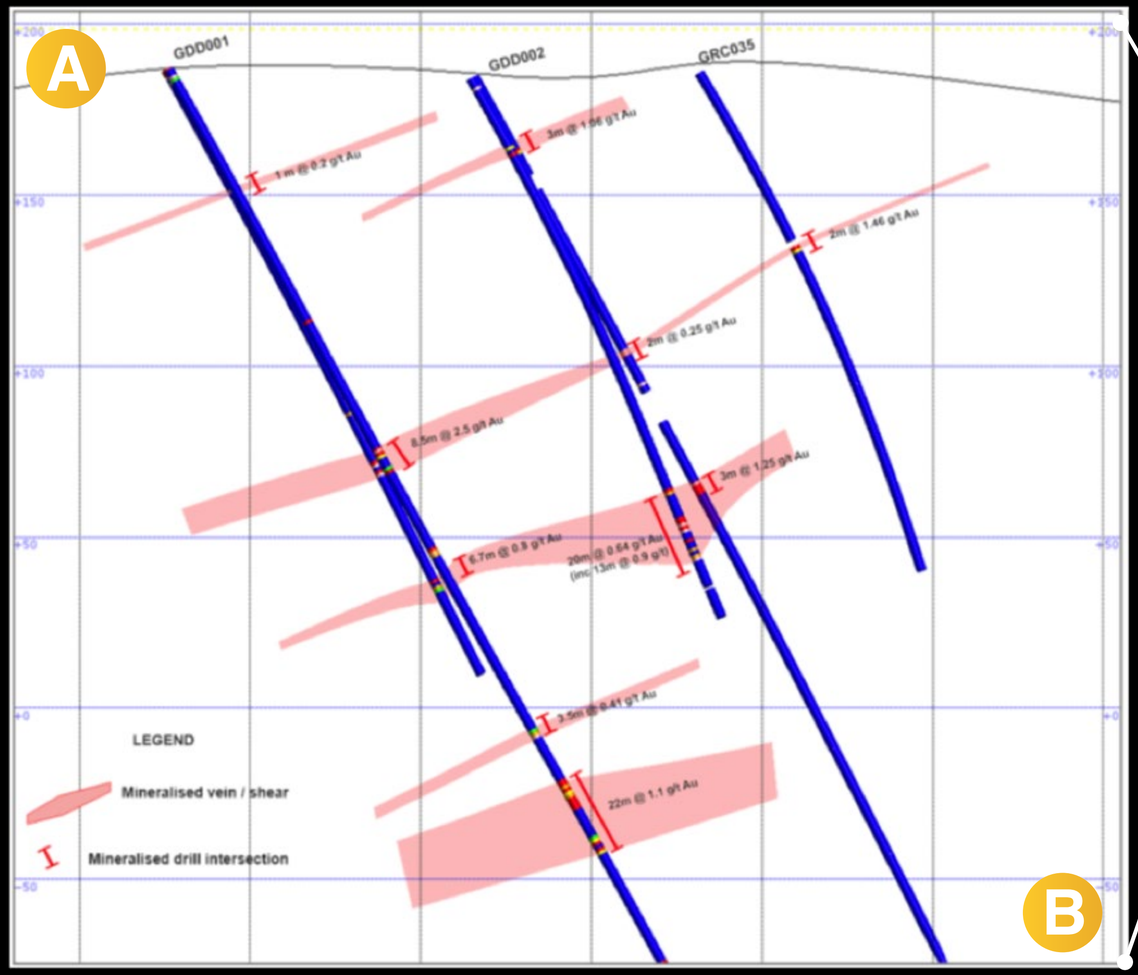
GBANE MINERALISATION

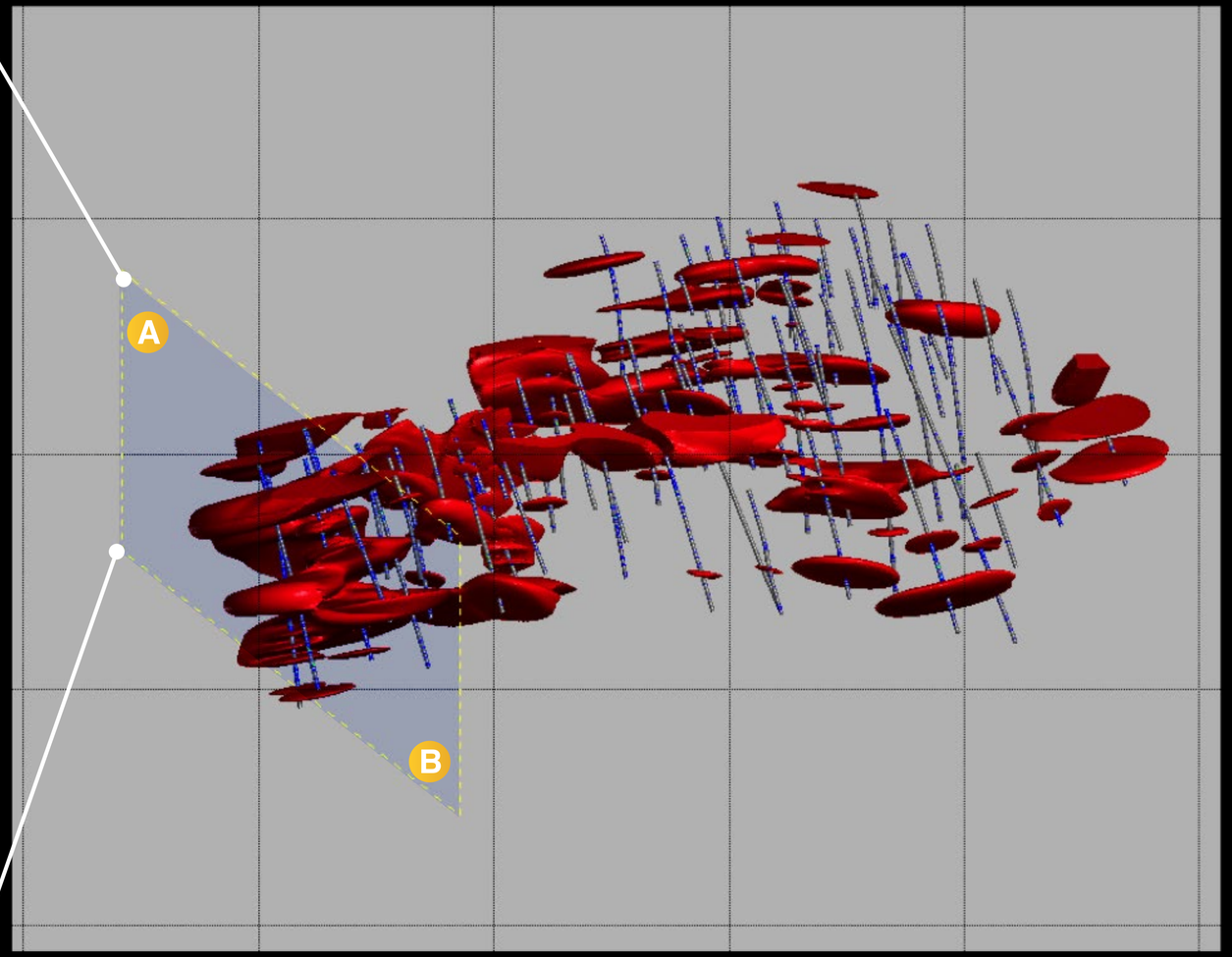


GDD032. Part of intersection **68 – 73m (5 metres) at 2.89g/t Au.**

Shows intense alteration and quartz veining in sheared meta-volcanics

GBANE MINERALISATION

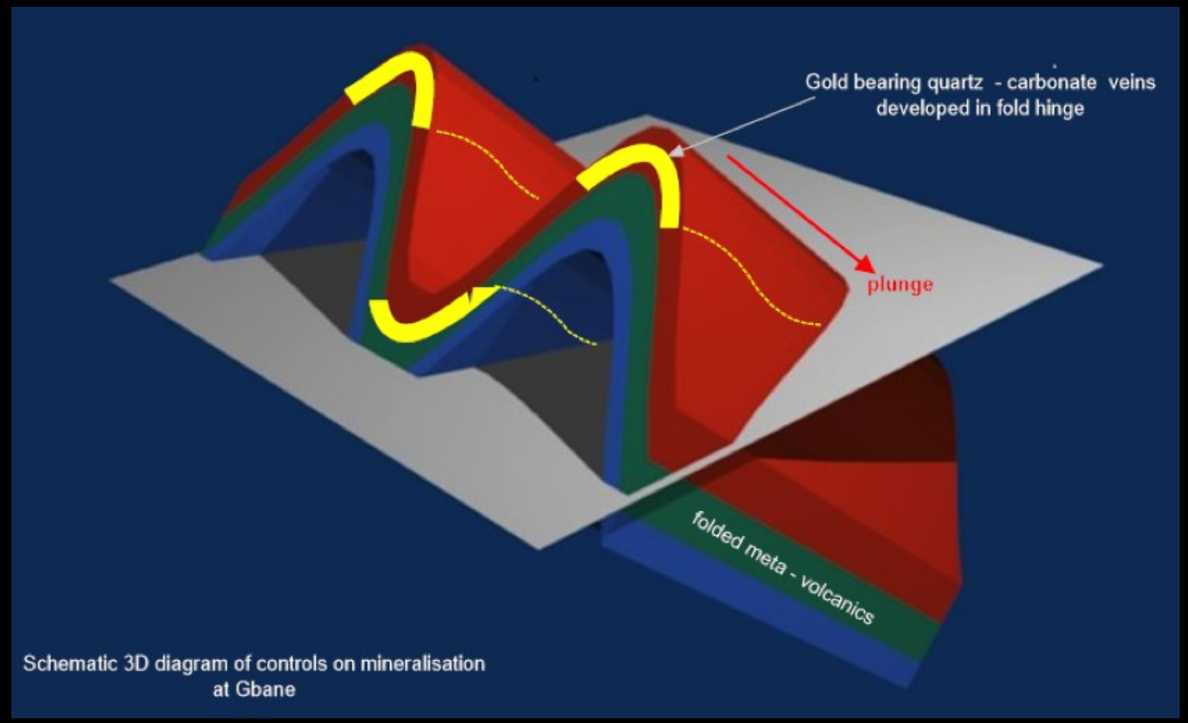




3-D view looking NNW of Gold grade isosurface at 0.3 g/t Au

GBANE ECONOMIC POTENTIAL

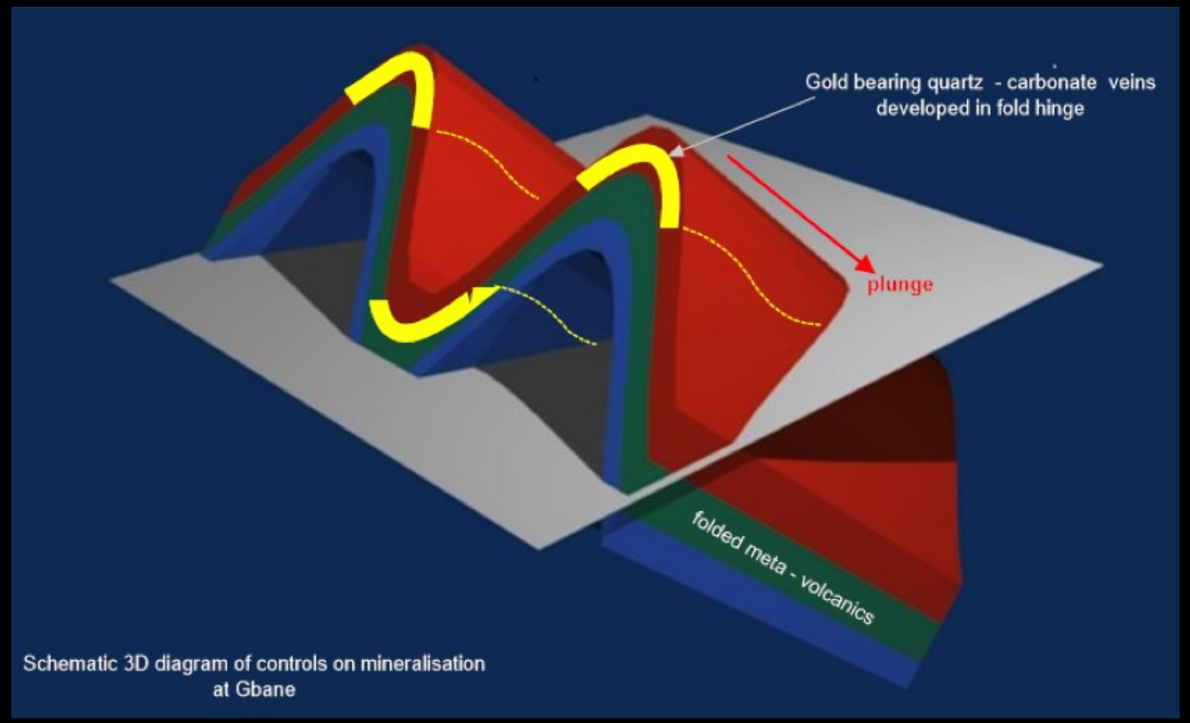
- The mineralisation at Gbane is most likely formed of shallow plunging shoots
- Shoots may have strike lengths of 200 to 300 meters (or more) but relatively narrow widths (perhaps only 40 to 50 meters
- However a single shoot has the potential to contain significant gold



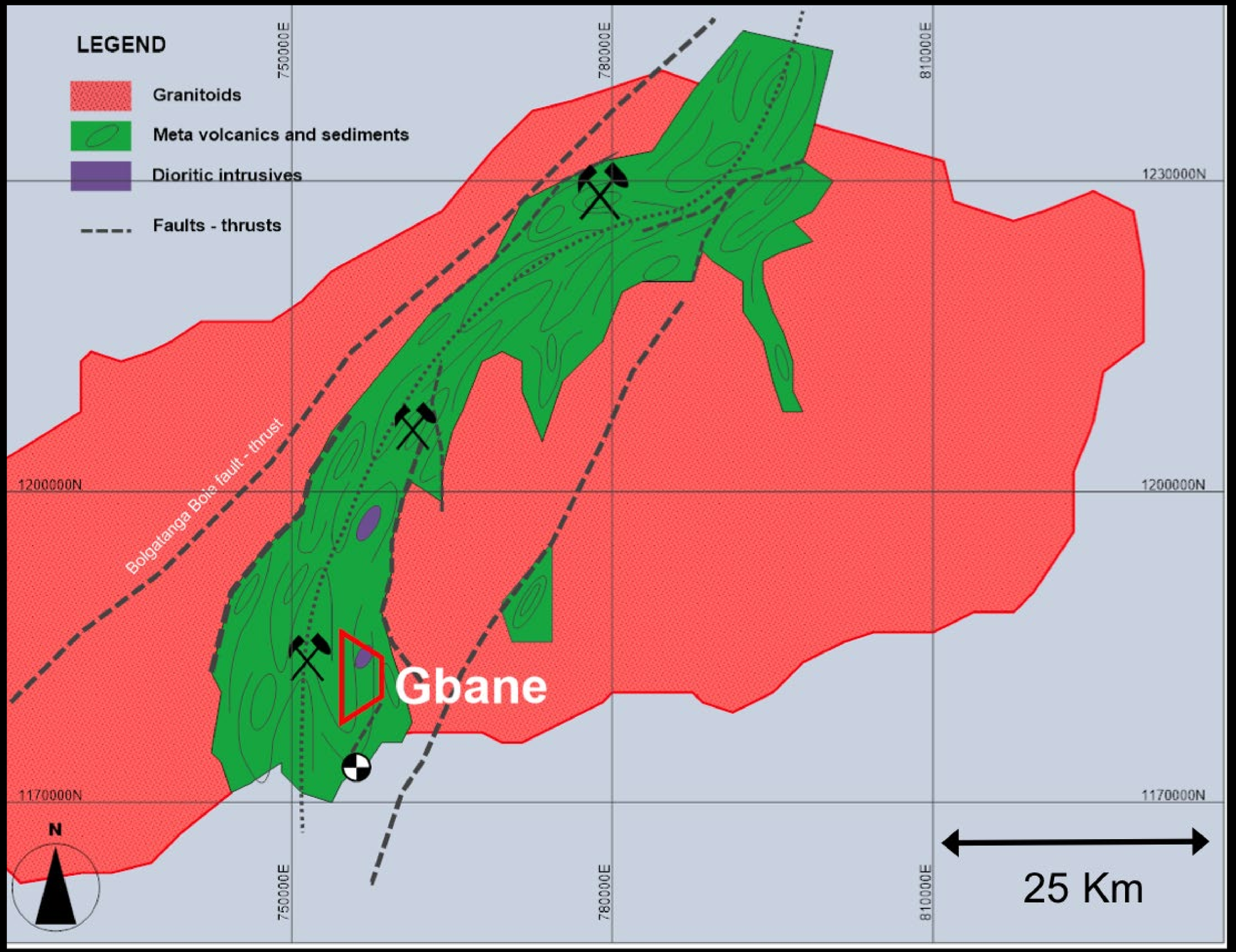
Schematic 3D diagram of controls on mineralisation at Gbane

GBANE ECONOMIC POTENTIAL

- Numerous shoots associated with fold hinges probably occur within the area
- It is certain that the adjacent Shaanxi Mine is exploiting such shoots
- Only approximately 10% of area explored to date
- **Exploration priority is to identify the major fold noses that may contain bigger bodies**



Schematic 3D diagram of controls on mineralisation at Gbane


LEGEND
Granitoids
Meta volcanics and sediments
Dioritic intrusives
Faults - thrusts
750000E
780000E
810000E
1230000N
1200000N
1170000N
Bolgatanga Bois fault - thrust
Gbane
N
25 Km

GBANE EXPORATION PROGRAM 2018

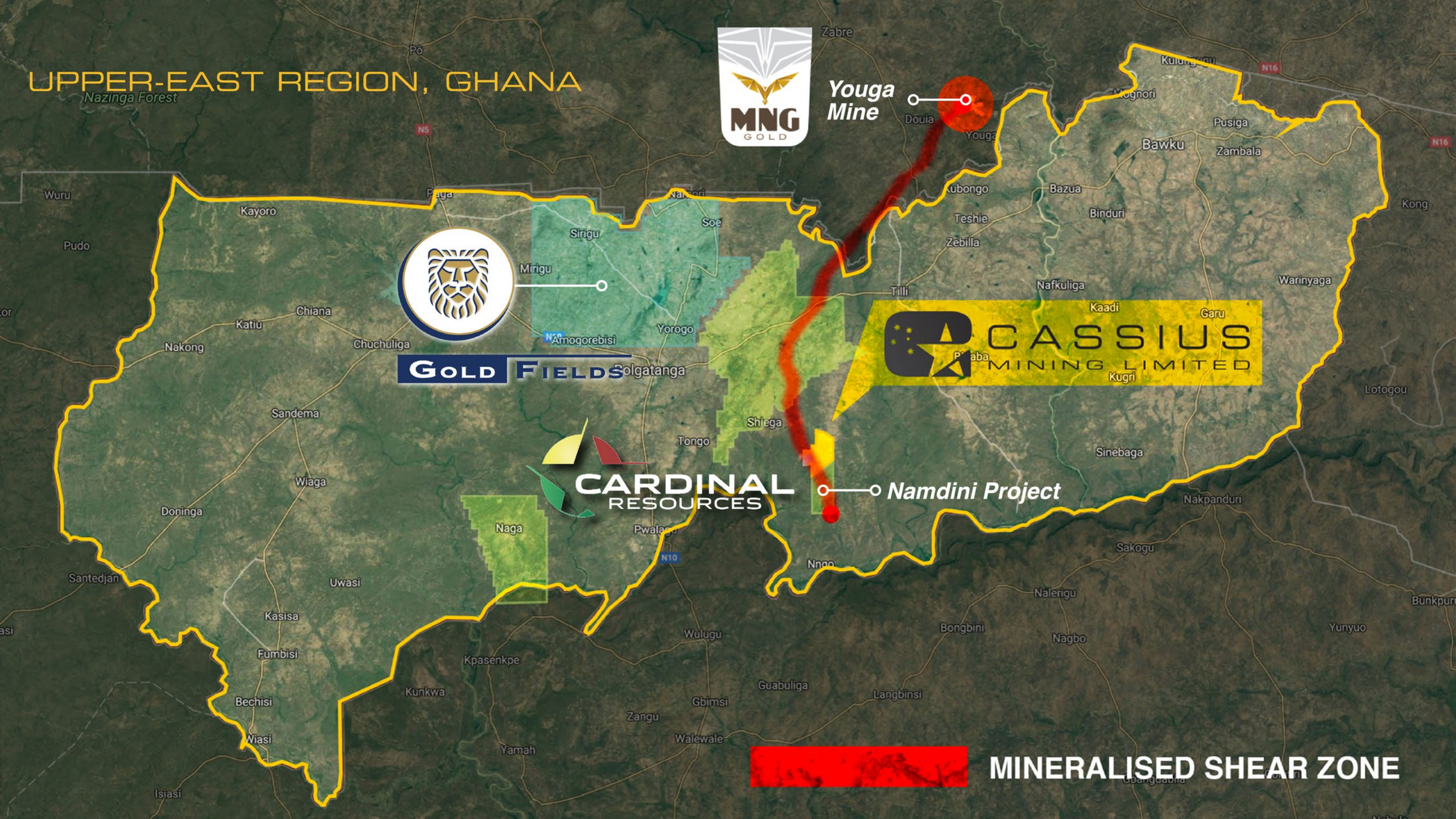
- Cover lease with ground or airborne geophysics (magnetics and radiometrics) on a 50m line spacing, to help with structural mapping of folds

- Shallow RAB drilling over structural areas of interest across the lease to identify new target areas

- Continued diamond drilling in the Datoko area to follow up on wider high grade intersections seen in recent drilling

- Continued diamond drilling to the south of Gbane to follow up high grade intersections between Gbane and Datoko

INTEGRAL PIECE OF REGIONAL PUZZLE


UPPER-EAST REGION, GHANA
MNG GOLD
Youga Mine
GOLD FIELDS
CASSIUS MINING LIMITED
CARDINAL RESOURCES
Namdini Project
MINERALISED SHEAR ZONE
Nazinga Forest
Zabre
Douia
Youga
Bawku
Pusiga
Zambala
Bazua
Binduri
Teshie
Zebilla
Tilli
Nafkuliga
Kaadi
Garu
Kugri
Warinyaga
Kong
Lotogou
Sinebaga
Nakpanduri
Sakogu
Nalerigu
Bongbini
Nagbo
Yunyuo
Bunkpuru
Langbinsi
Guabuliga
Gbimsi
Walewale
Zangu
Yamah
Wulugu
Kpasenkpe
Kunkwa
Bechisi
Wiasi
Isiasi
Fumbisi
Kasisa
Uwasi
Santedjan
Doninga
Wiaga
Sandema
Nakong
Katiu
Chiana
Chuchuliga
Kayoro
Wuru
Pudo
Paga
Sirigu
Mirigu
Soe
Yorogo
Amogorebisi
Bolgatanga
Shiega
Tongo
Naga
Pwalagu
Nngo
Kubongo
Mognori
Kulungugu
Po
N5
N10
N16

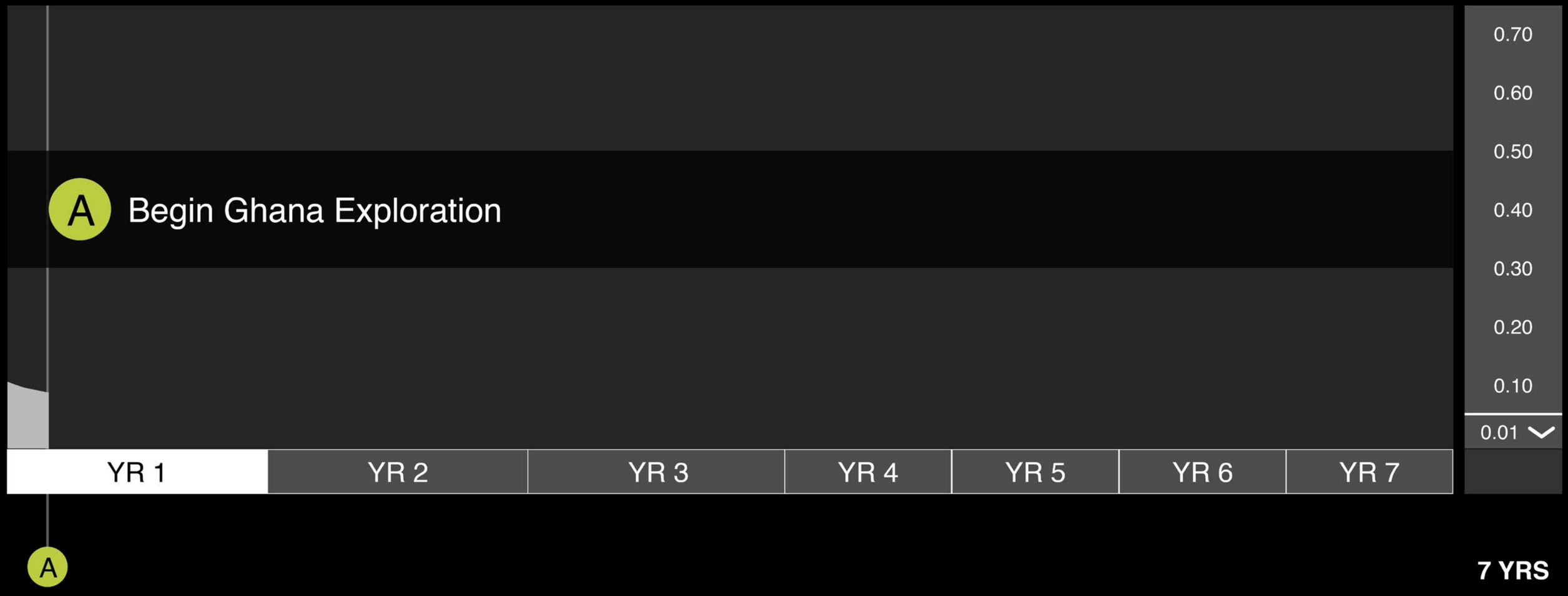
INVESTMENT OPPORTUNITY

CORPORATE SNAPSHOT

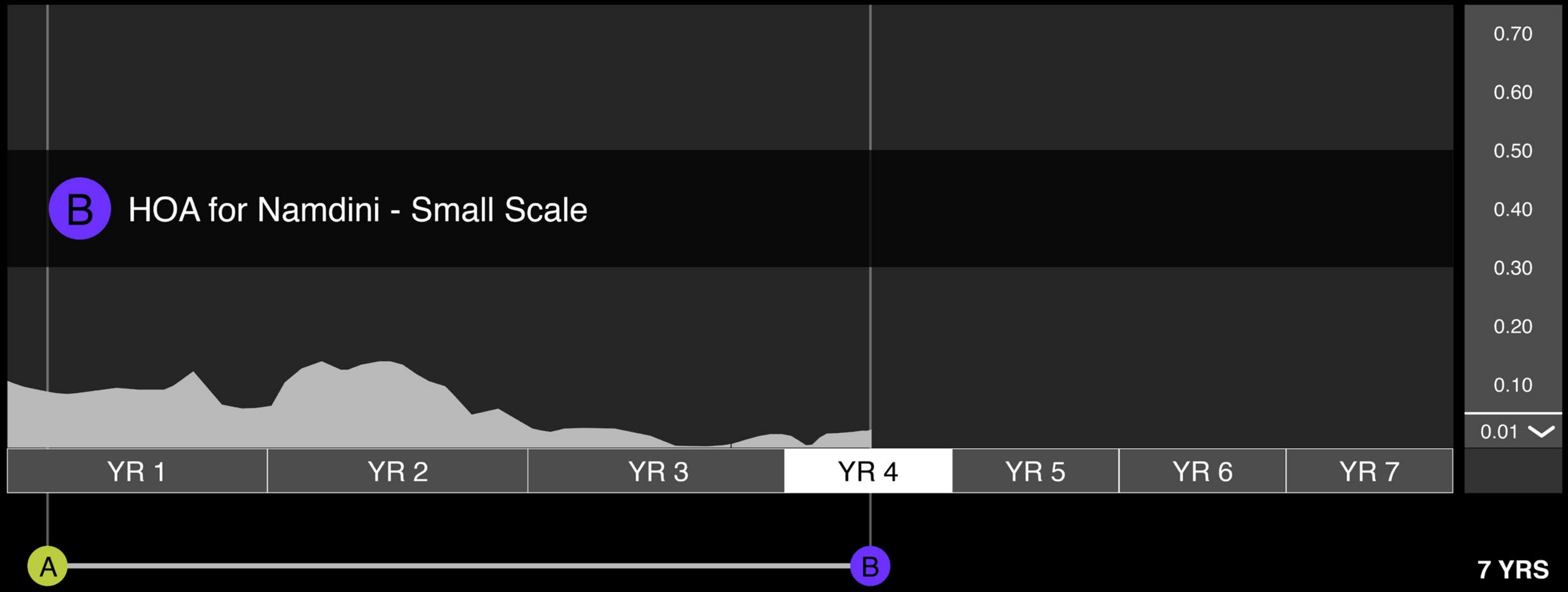
- Low Market Cap
- Tight Share Register
- No Debt
- Over $3.5M in bank

LEVERAGED FOR EXPLORATION UPSIDE

CARDINAL RESOURCES



CARDINAL RESOURCES



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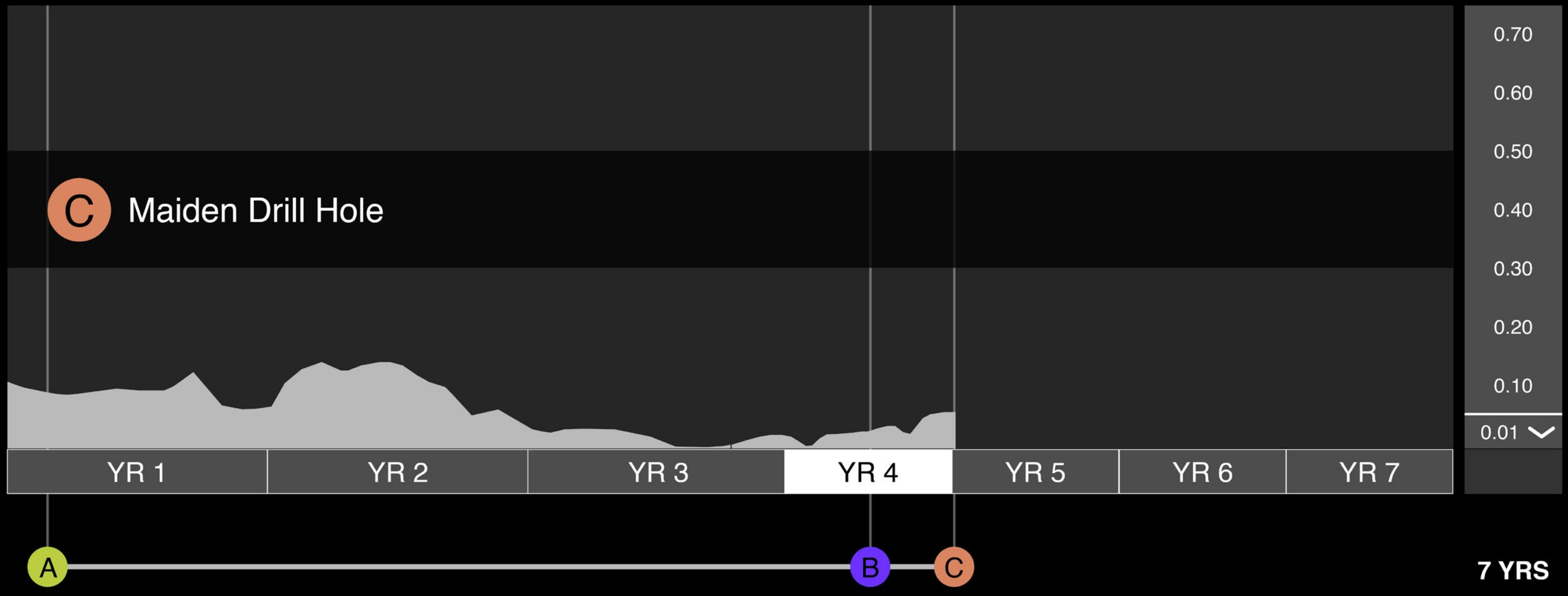

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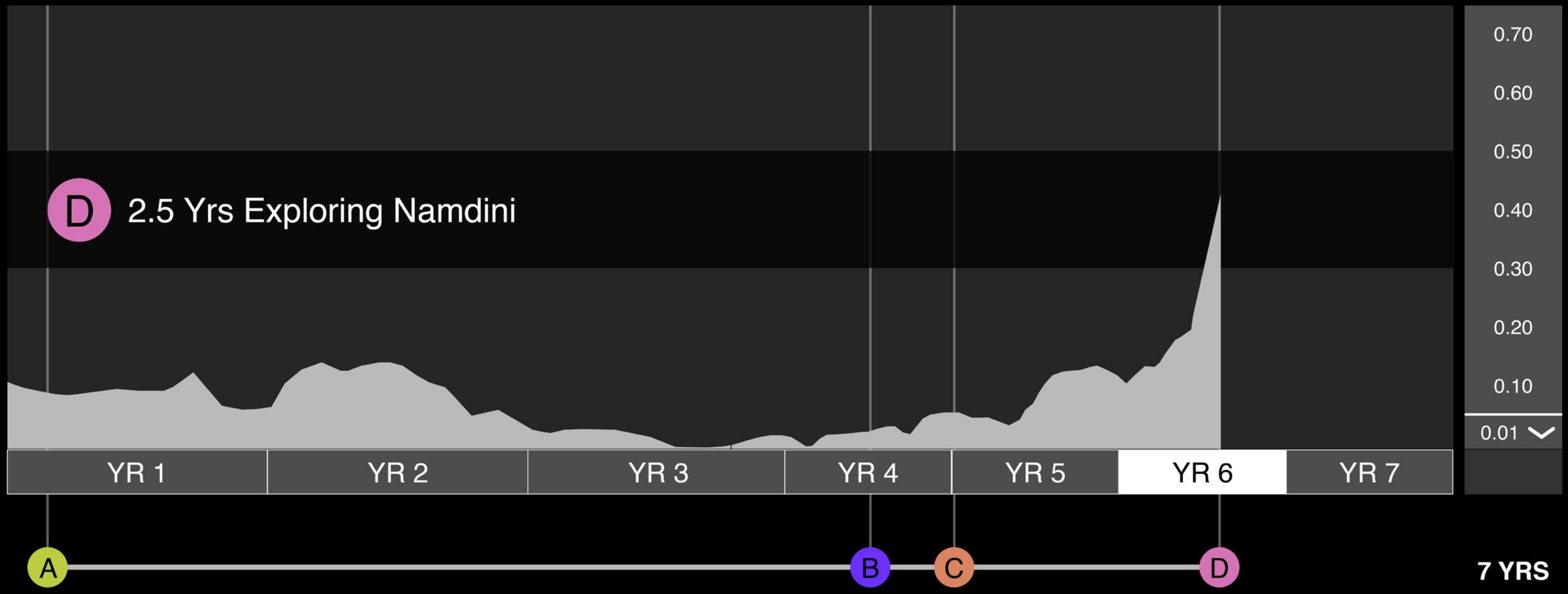

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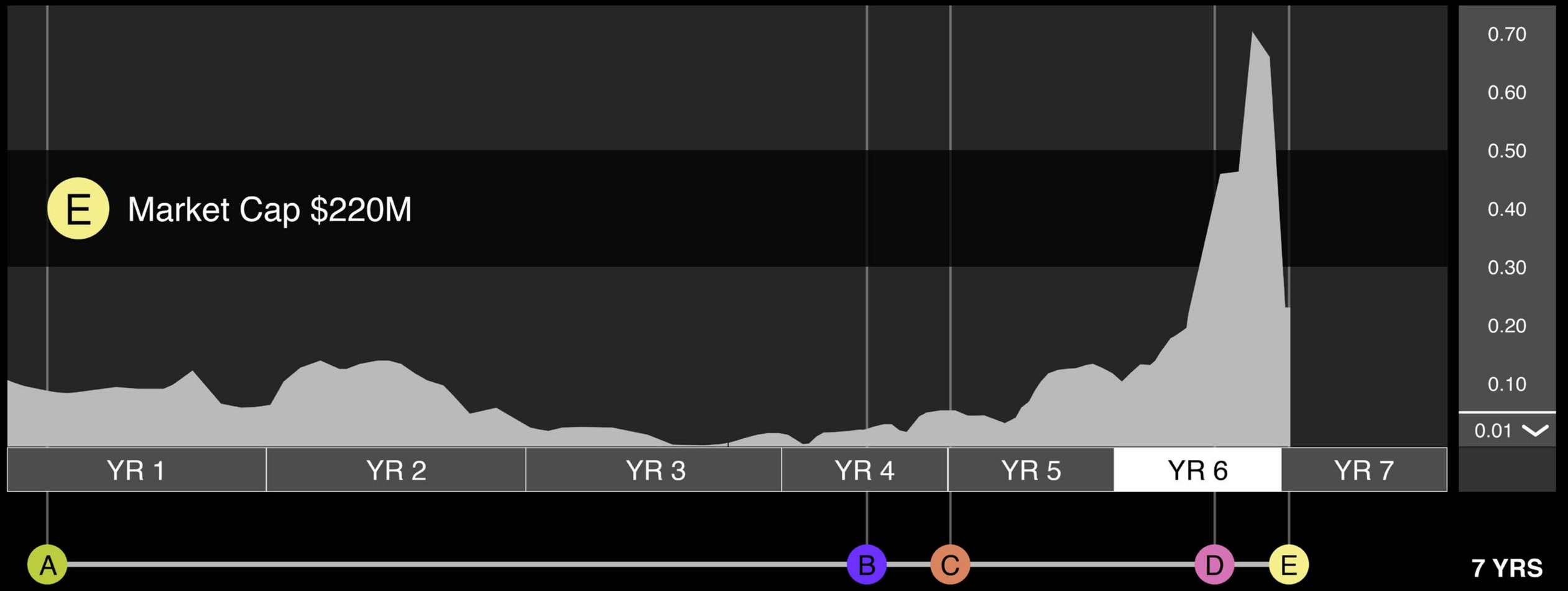

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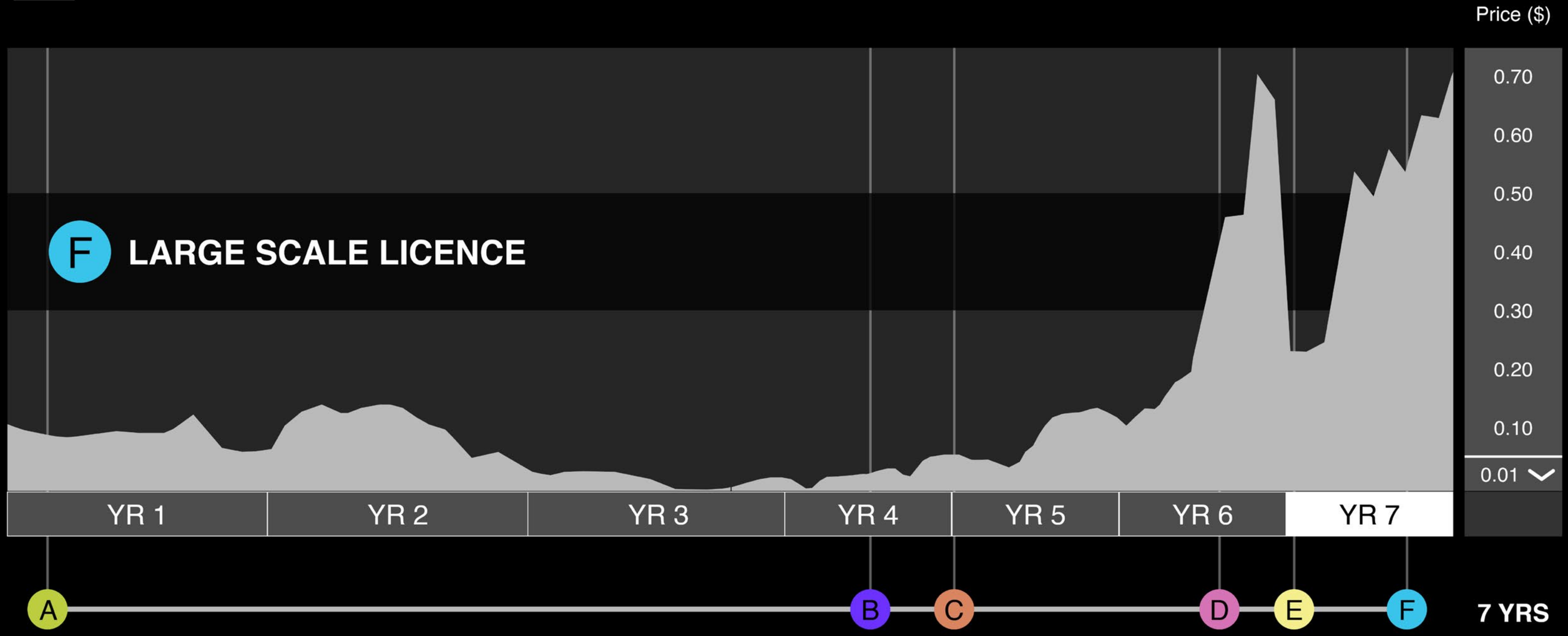
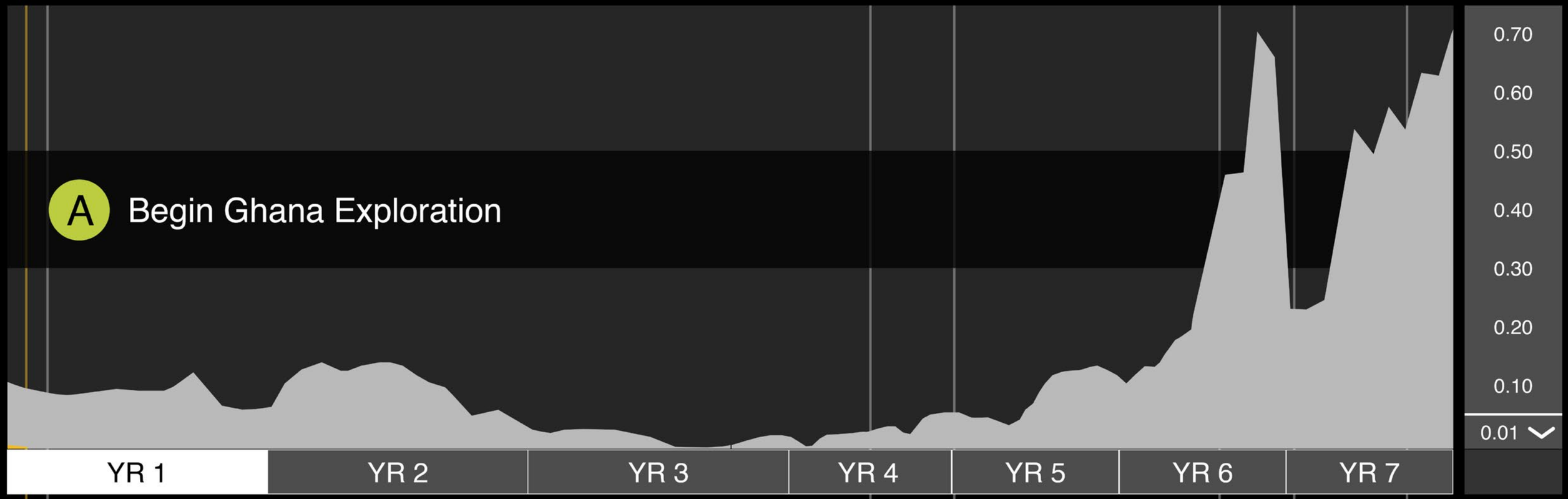


CARDINAL RESOURCES

CASSIUS MINING LIMITED



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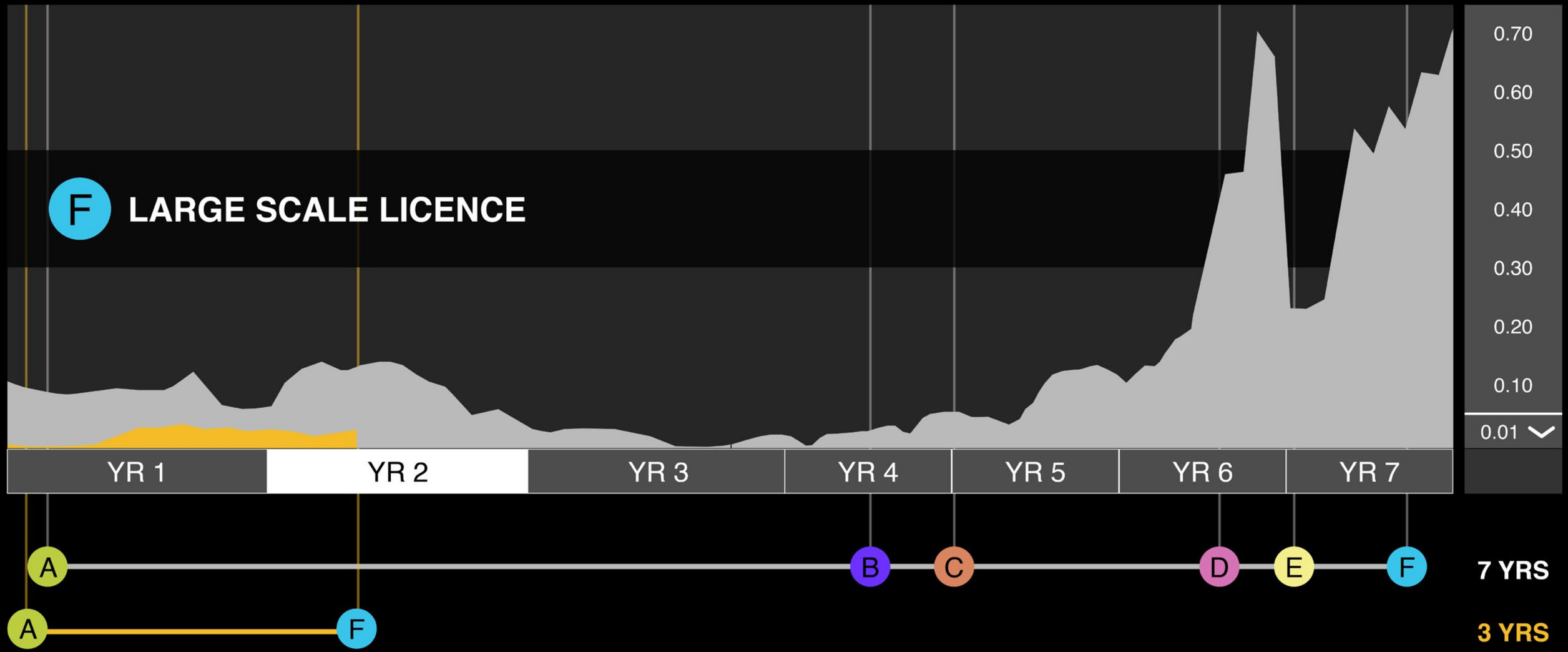
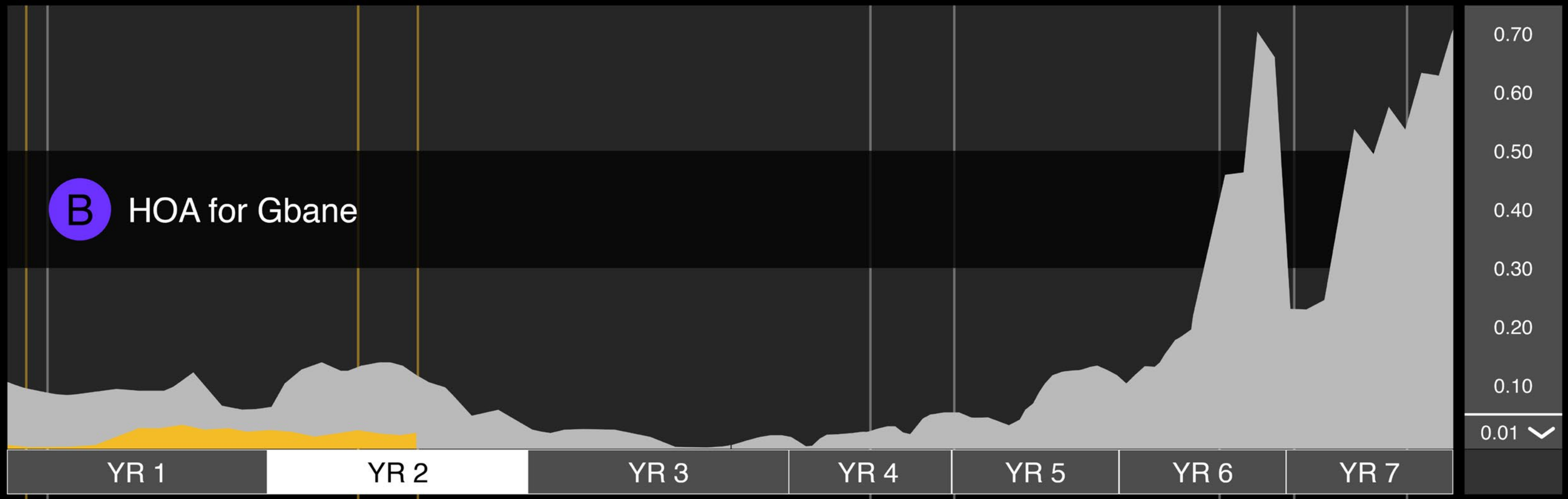


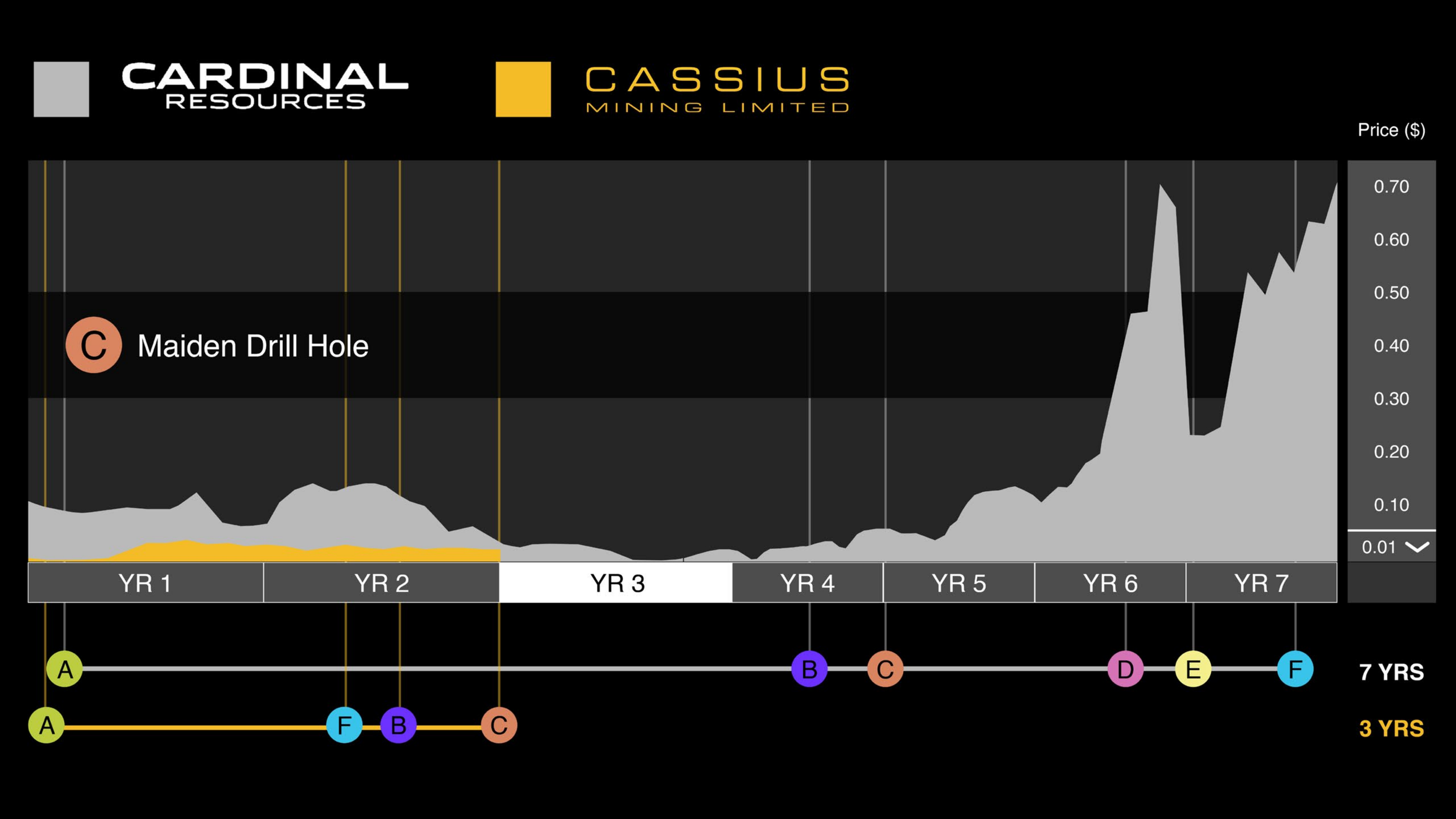
CARDINAL RESOURCES

CASSIUS MINING LIMITED



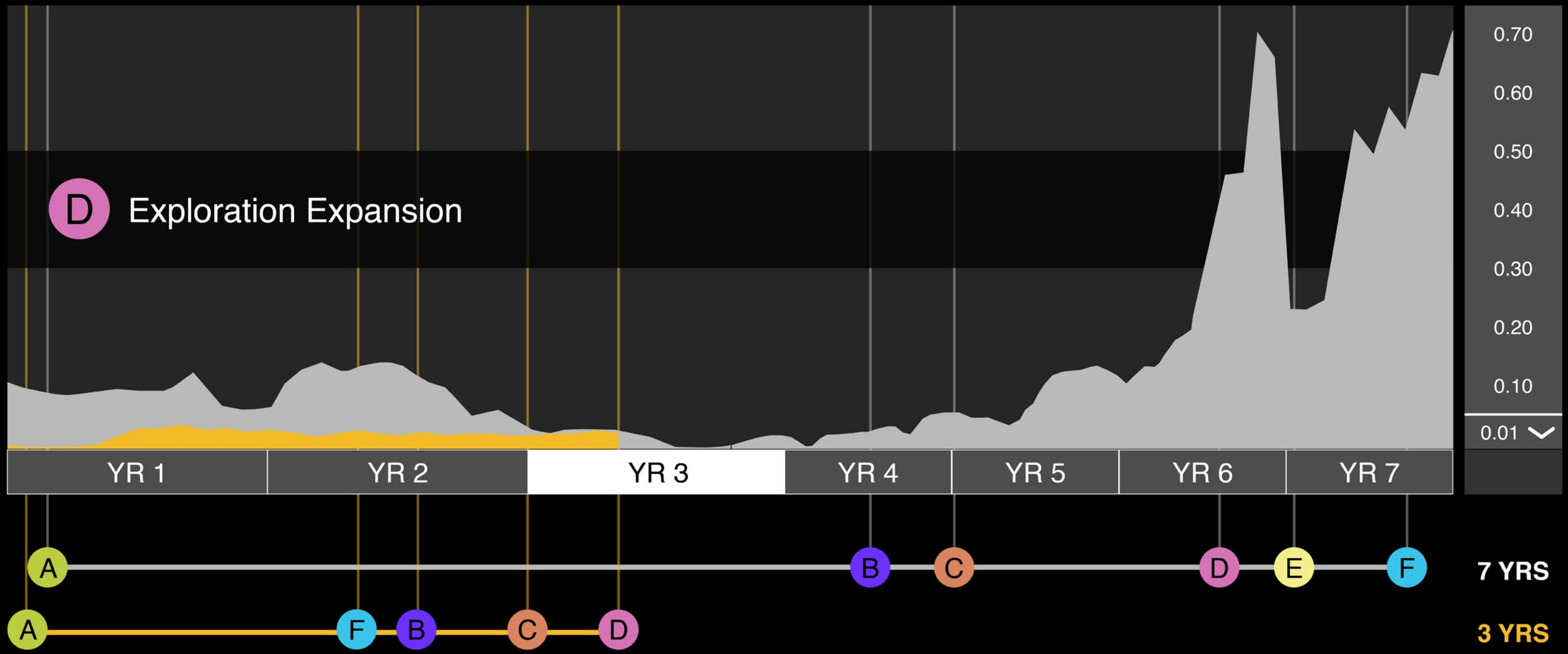
7 YRS

3 YRS


CARDINAL RESOURCES
CASSIUS MINING LIMITED
Price ($)
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.01
C Maiden Drill Hole
YR 1
YR 2
YR 3
YR 4
YR 5
YR 6
YR 7
A
B
C
D
E
F
7 YRS
A
F
B
C
3 YRS

CARDINAL RESOURCES

CASSIUS MINING LIMITED



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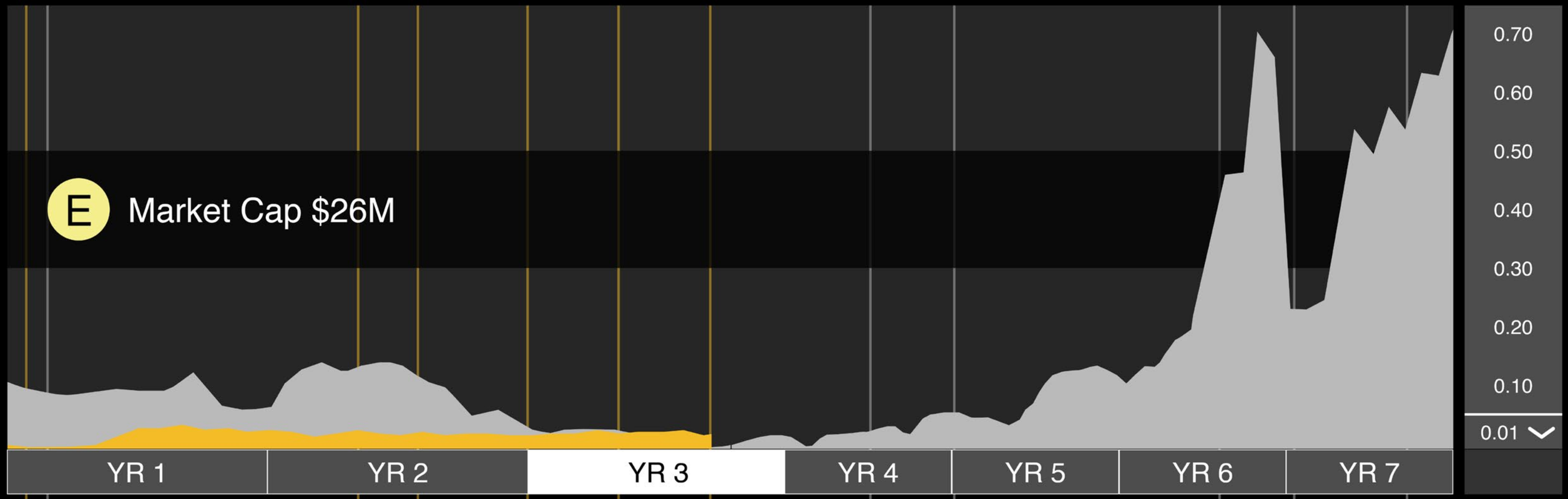

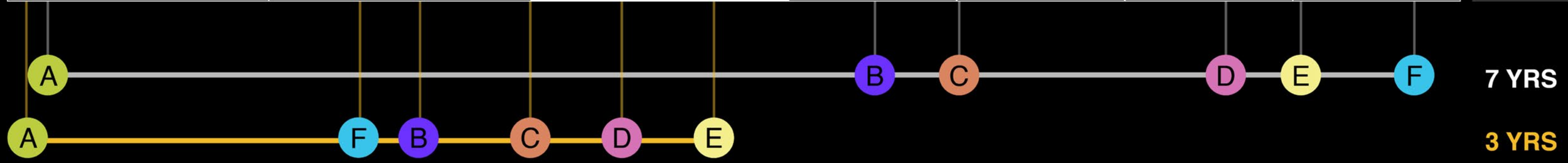

CARDINAL RESOURCES

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