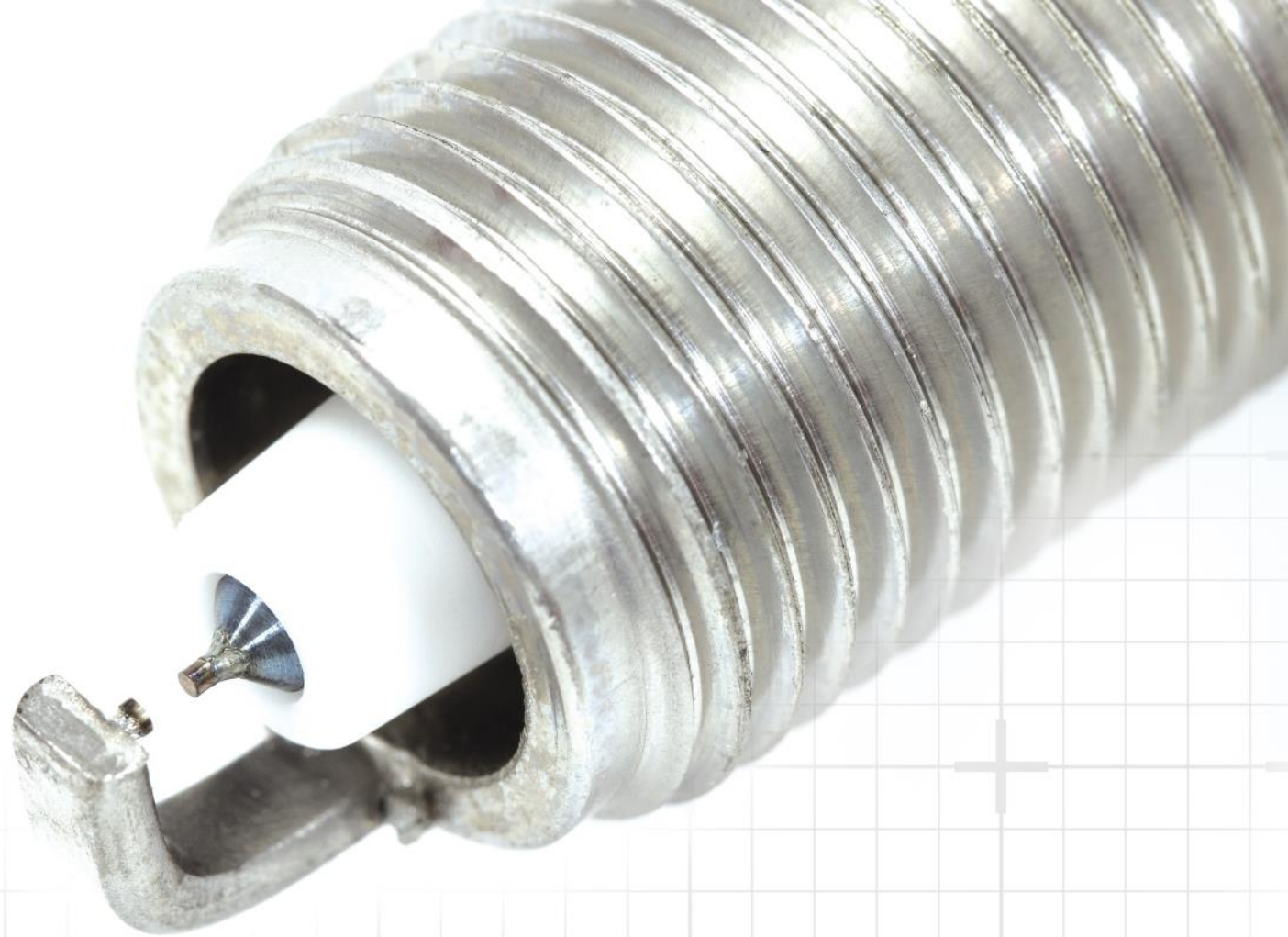




PROGRESS ON DELIVERING A SUSTAINABLE OPERATIONAL GROWTH PLAN

Northam Investor Day
26 June 2019



smart platinum mining



DISCLAIMER

Certain statements in this presentation (other than the statements of historical fact) may contain forward-looking statements regarding Northam's operations, economic performance or financial condition, including, without limitation, those concerning the economic outlook for the platinum industry, expectations regarding metal prices, production, costs and other operating results, growth prospects and the outlook for Northam and any of its operations and projects.

Although Northam believes that the expectations reflected in such forward-looking statements are reasonable, no assurance can be given that such expectations will prove to be correct.

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Strategy

Operations and growth projects

Resources and reserves

Growth projects update

 Zondereinde

 Booyseindal

 Eland

 Metallurgical Processing

Group positioning and outlook

Summary

NORTHAM CONTEXT

→ Northam Platinum Limited

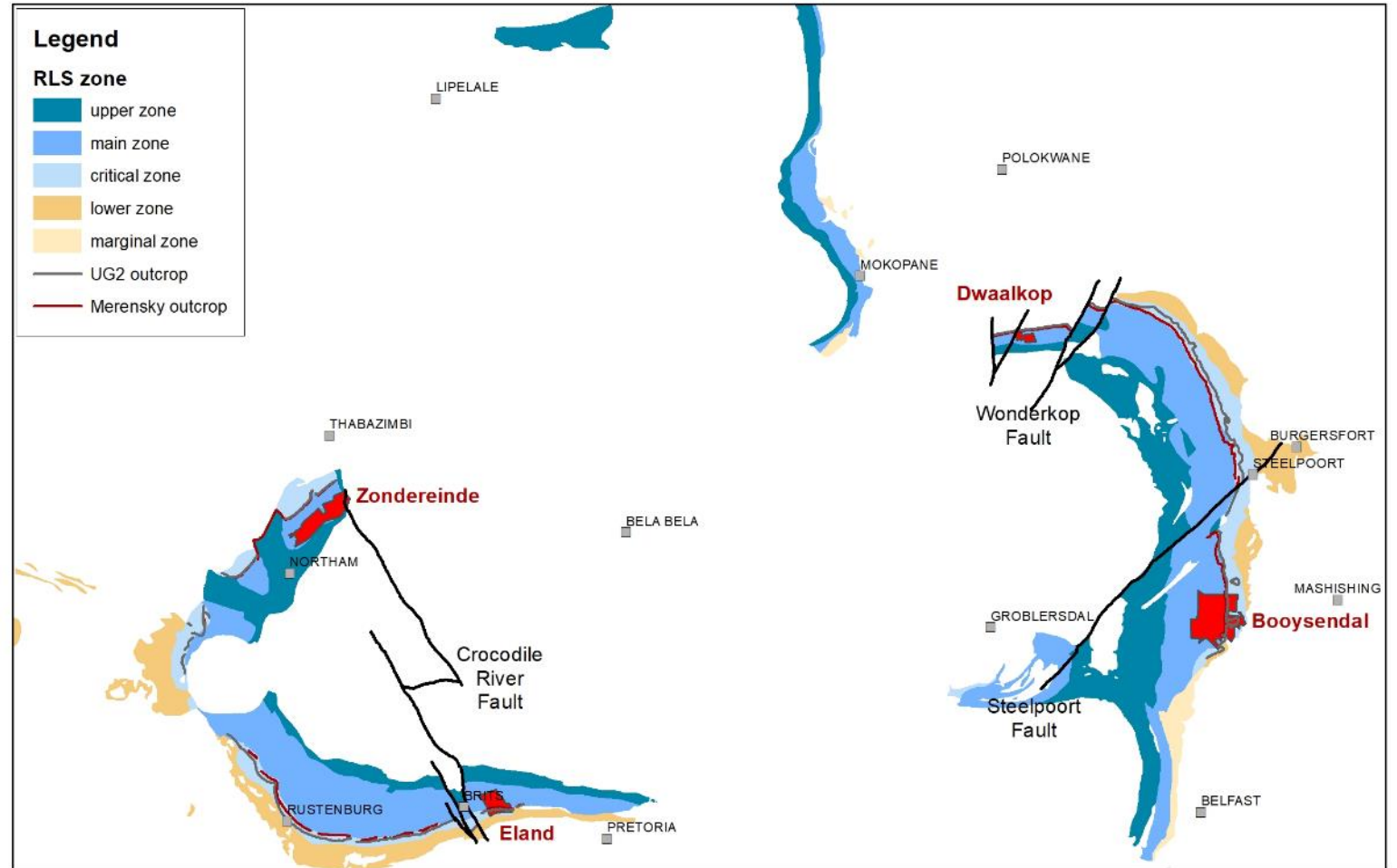
Three operations

 **NORTHAM**
ZONDEREINDE

 **NORTHAM**
ELAND

 **NORTHAM**
RUSTENBURG

→ Dwaalkop JV



STRATEGY

WHY?

Growing metal production down the cost curve whilst reducing operational risk

because we believe in PGMs

- special chemical properties with industrial applications
- growing demand
- shrinking primary supply
- price appreciation
- Competitive advantage in the sector and insurance against price depreciation



HOW?

- Shallowing production
- Mechanising production
- Increasing centres of operation
- Increasing mining modules
- Internal optimization at existing operations
- Being capital efficient
- Moving quickly with capital projects

OPERATIONS AND GROWTH PROJECTS



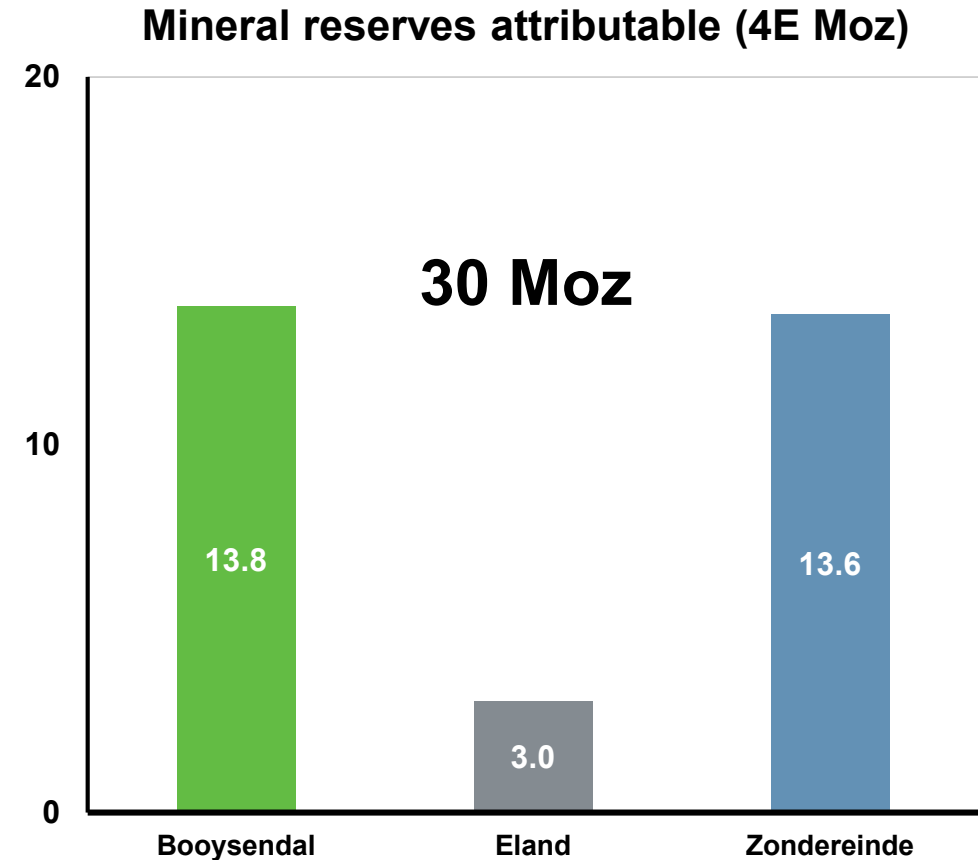
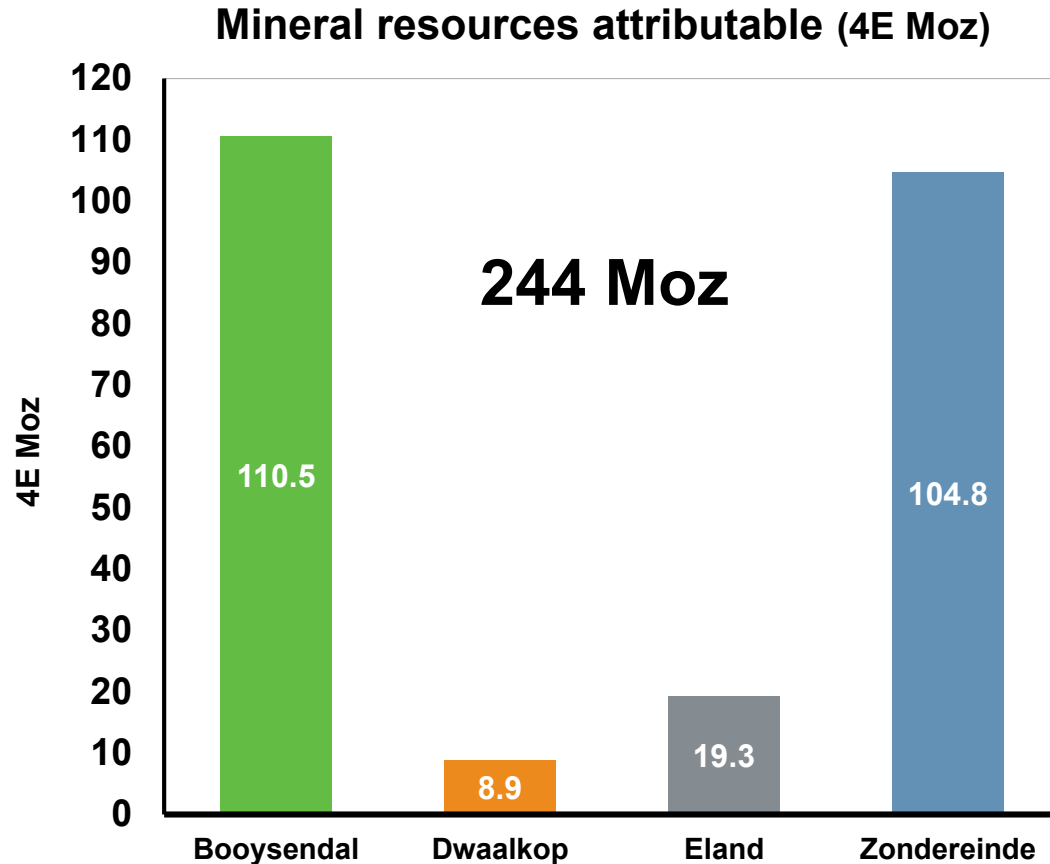
Zondereinde	Booyseindal	Eland	Metallurgical processing
• Focusing on ongoing production efficiencies • Ongoing deepening section development • Tumela (western extension) acquisition • Western extension mining and developing additional primary access - 3#	• North mine consolidation and growth - BNU & deepening, BNM) • Everest acquisition – unlocking Booyseindal South • South mine development – BS1, BS2, BS4, BCM, surface infrastructure and concentrator	• Recommissioning – concentrator, Kukama • Hydromining TSF • Kukama plan	• New smelter bath • Additional dryer • Dewatering plant at Zondereinde • Material handling

RESOURCES AND RESERVES

- Sufficient and Robust
- Resources - required for sustainable mining
 - starting point for mine planning
 - lots of work over the past years
 - identification and acquisition of new resources
 - exploration and evaluation of resources
- Reserves – outcome of planning and capital allocation
 - key principles
 - fit plan to the orebody characteristics
 - optionality & synergies
 - capital efficiency and capex scheduling
 - scheduling - speed of implementation
 - modular approach
 - environmental impact



CURRENT RESOURCE AND RESERVE POSITION

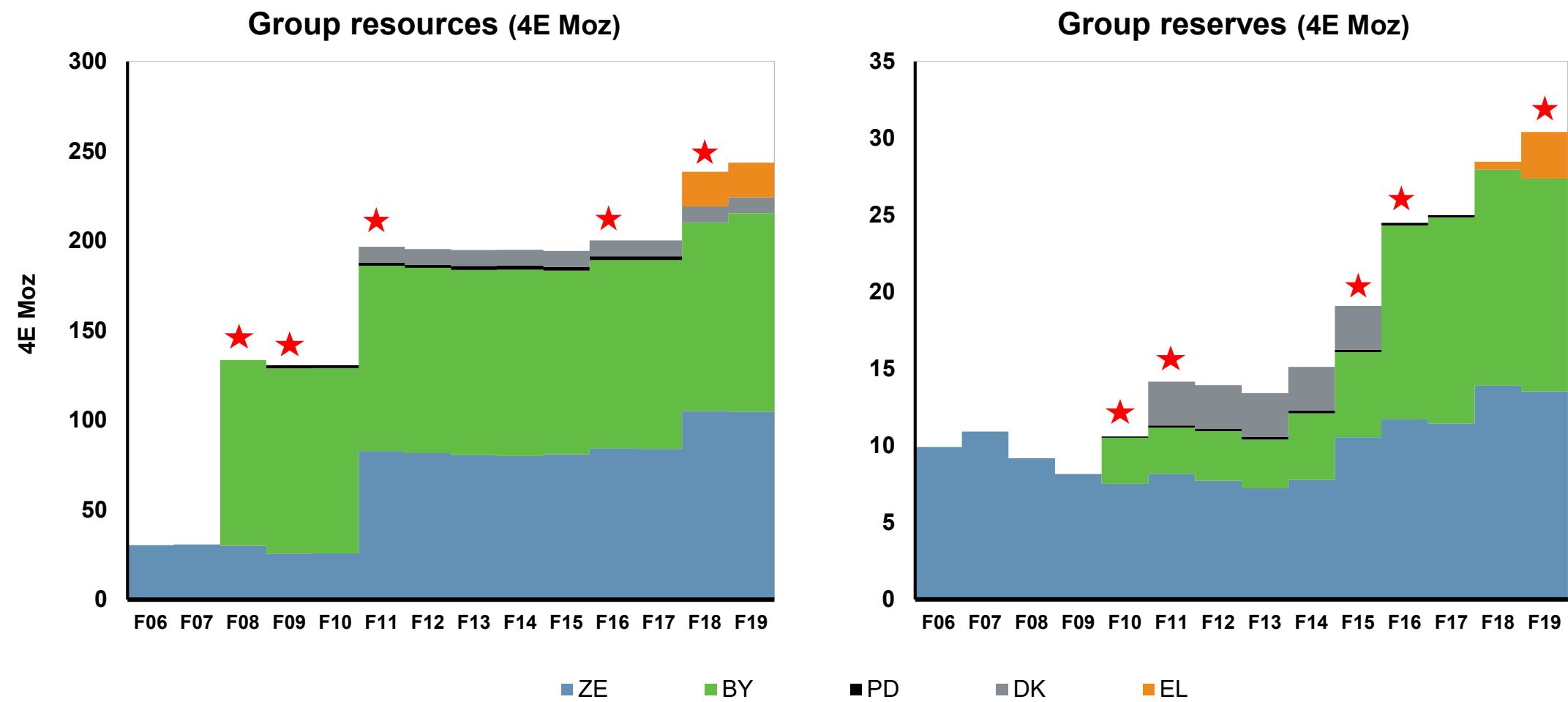


**Resources inclusive of reserves*

RESERVE METRICS

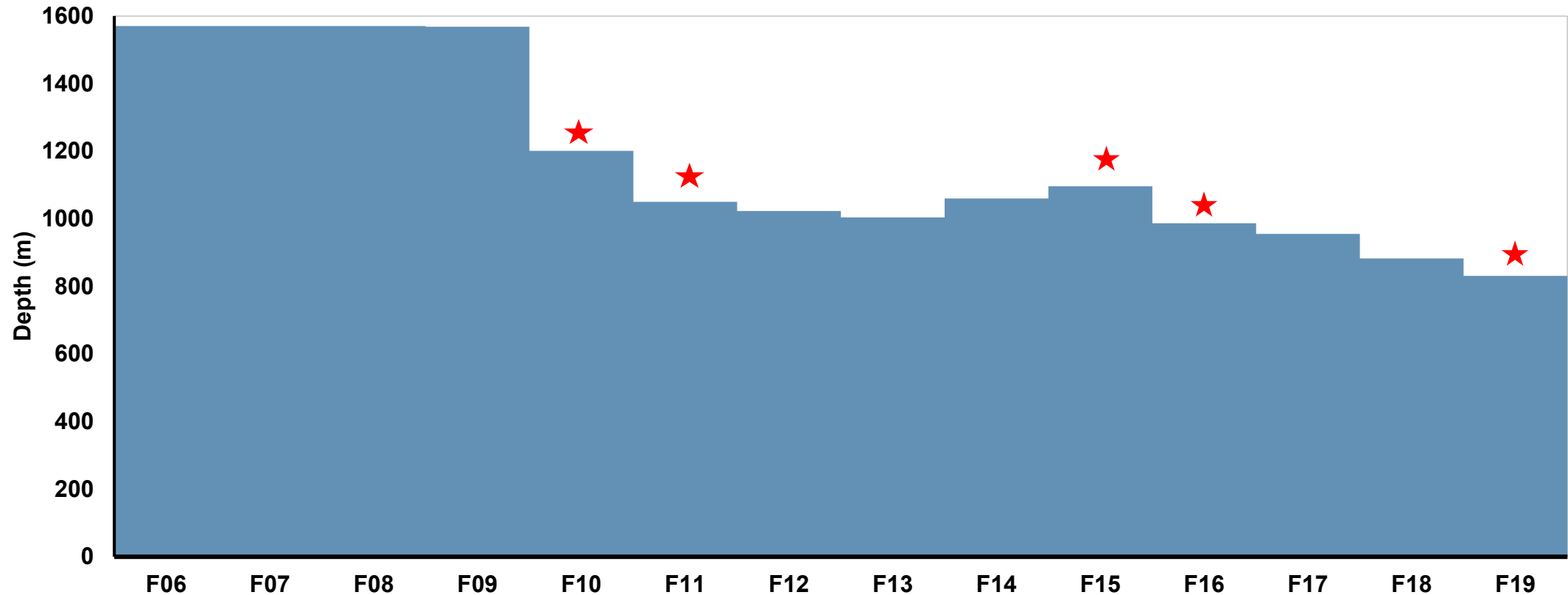
metric	unit	ZE		BY		EL	
		MR	UG2	MR	UG2	MR	UG2
Resource	Moz	50	55	35	76	0	19
Reserve	Moz	5	9	3	11	0	3
4E grade	g/t	6.3	4.3	2.7	3.1	0.9	3.9
channel width	m	1.4	1.5	2.1	2.5	3.0	1.6
RD	t/m ³	3.3	3.8	3.2	3.7	3.2	3.8
dip	deg	20	20	10	10	19	19
metal content	g/m²	31	26	18	29	9	25
prill split (4E% basis)	Pt	63	58	59	59	55	60
	Pd	29	31	31	30	31	29
	Rh	5	10	2	9	3	11
	Au	3	1	8	1	11	0
	Ru	8	19	9	16	8	19
	Ir	1	4	2	3	1	4
base metals (wt% basis)	Cu	0.07	0.02	0.12	0.01	0.04	0.01
	Ni	0.16	0.12	0.27	0.08	0.10	0.10
	Cr ₂ O ₃	0	28	0	25	0	30

RESOURCES AND RESERVES GROWTH

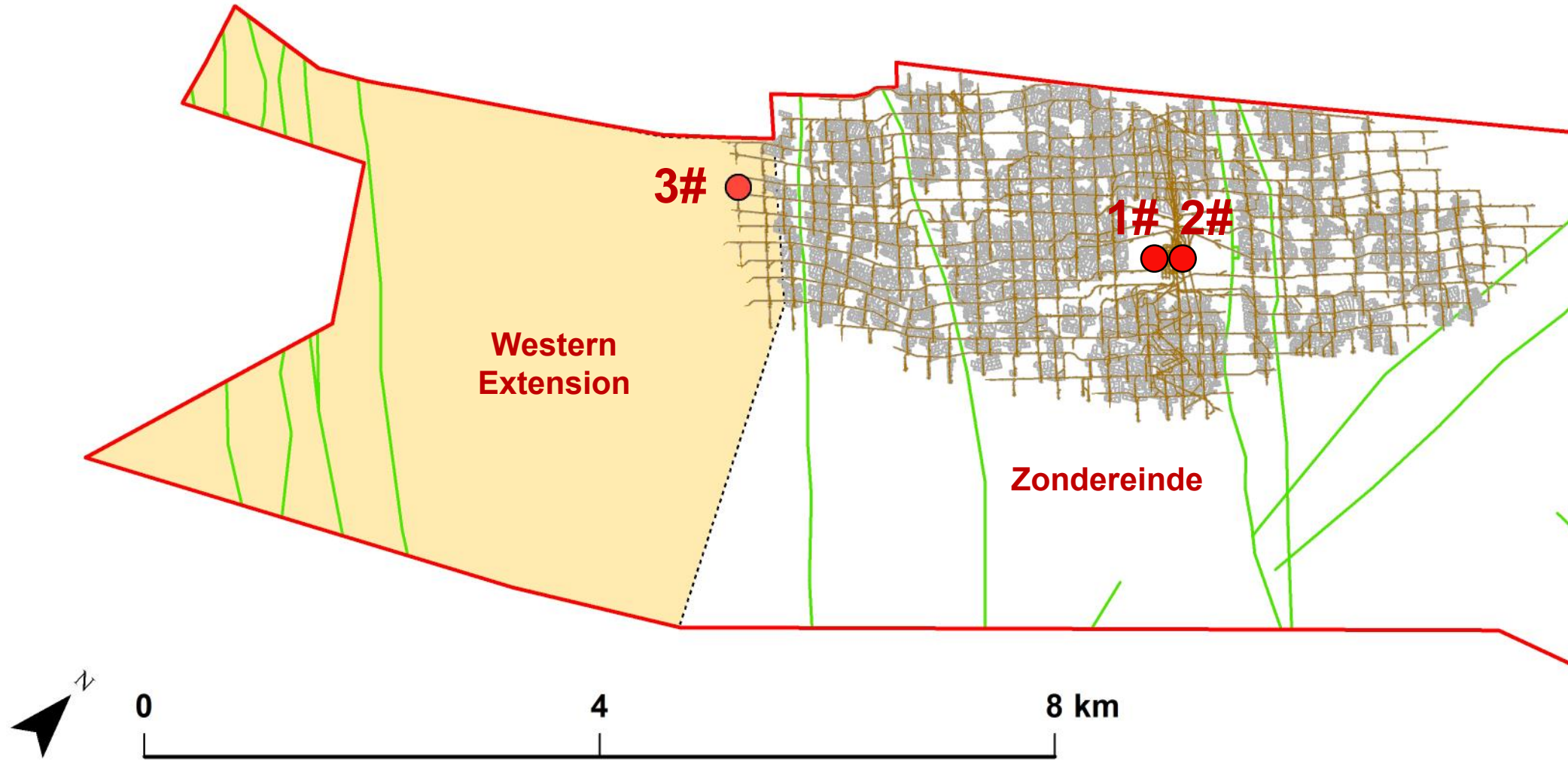


RESOURCES AND RESERVES AND DEPTH

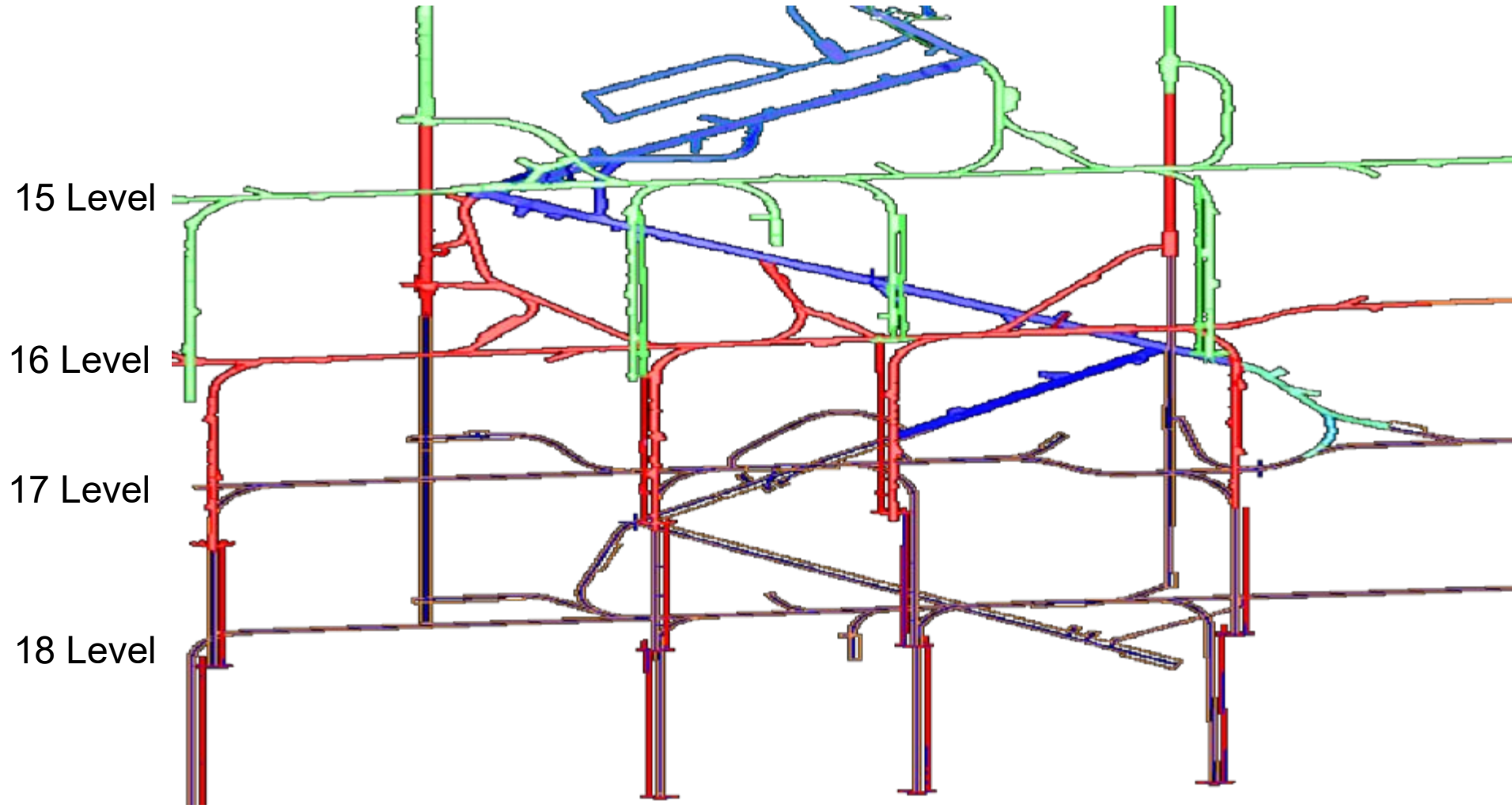
Average reserve depth



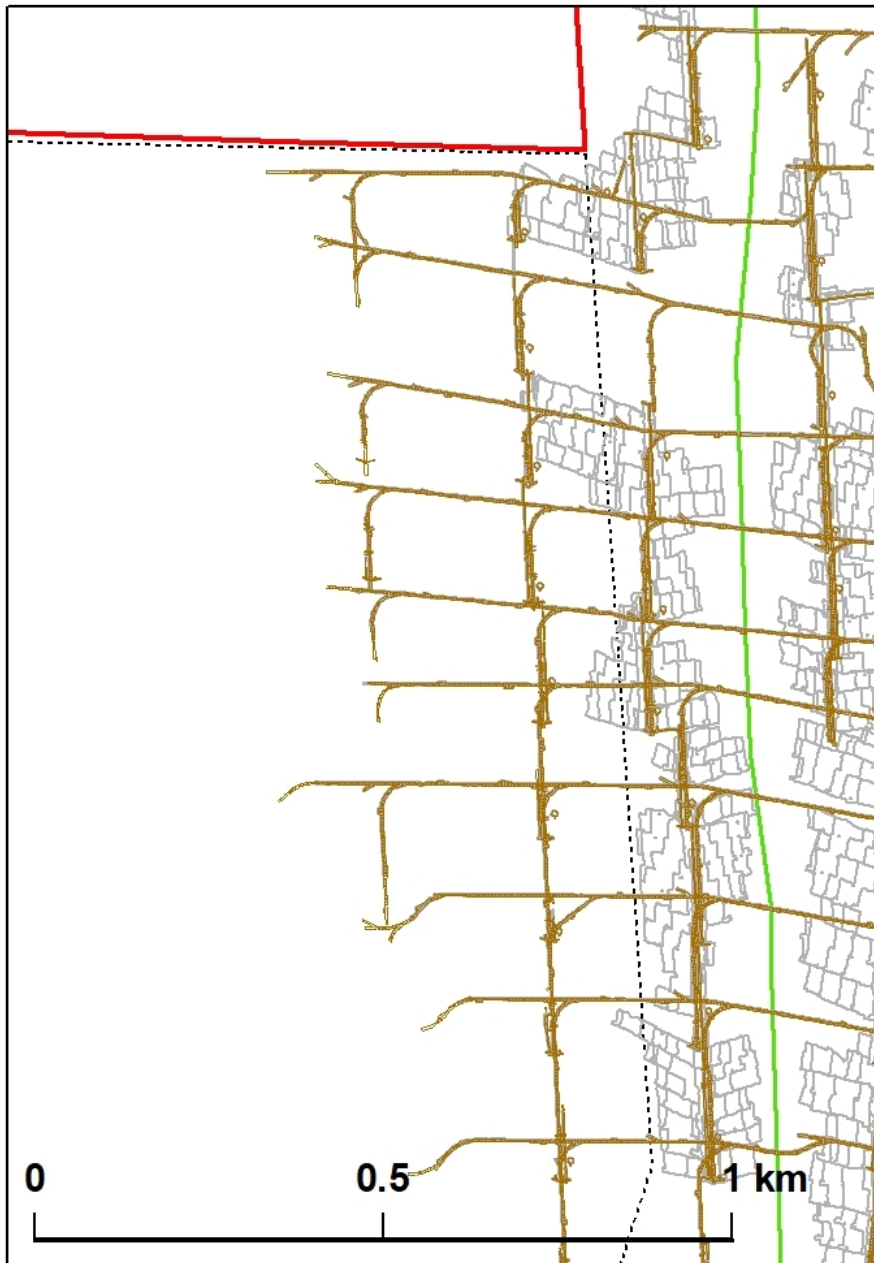
GROWTH PROJECTS UPDATE – ZONDEREINDE



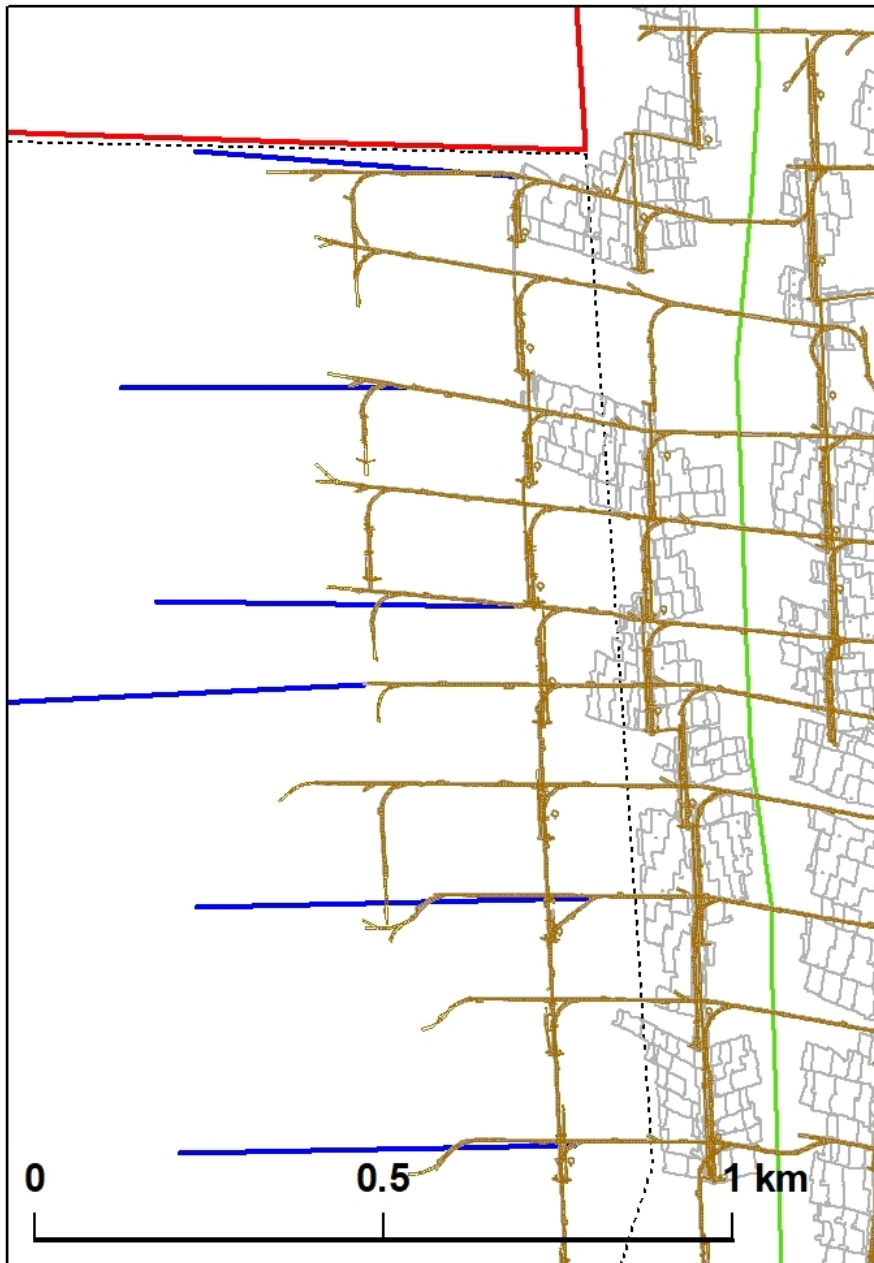
ZONDEREINDE – DEEPENING PROJECT



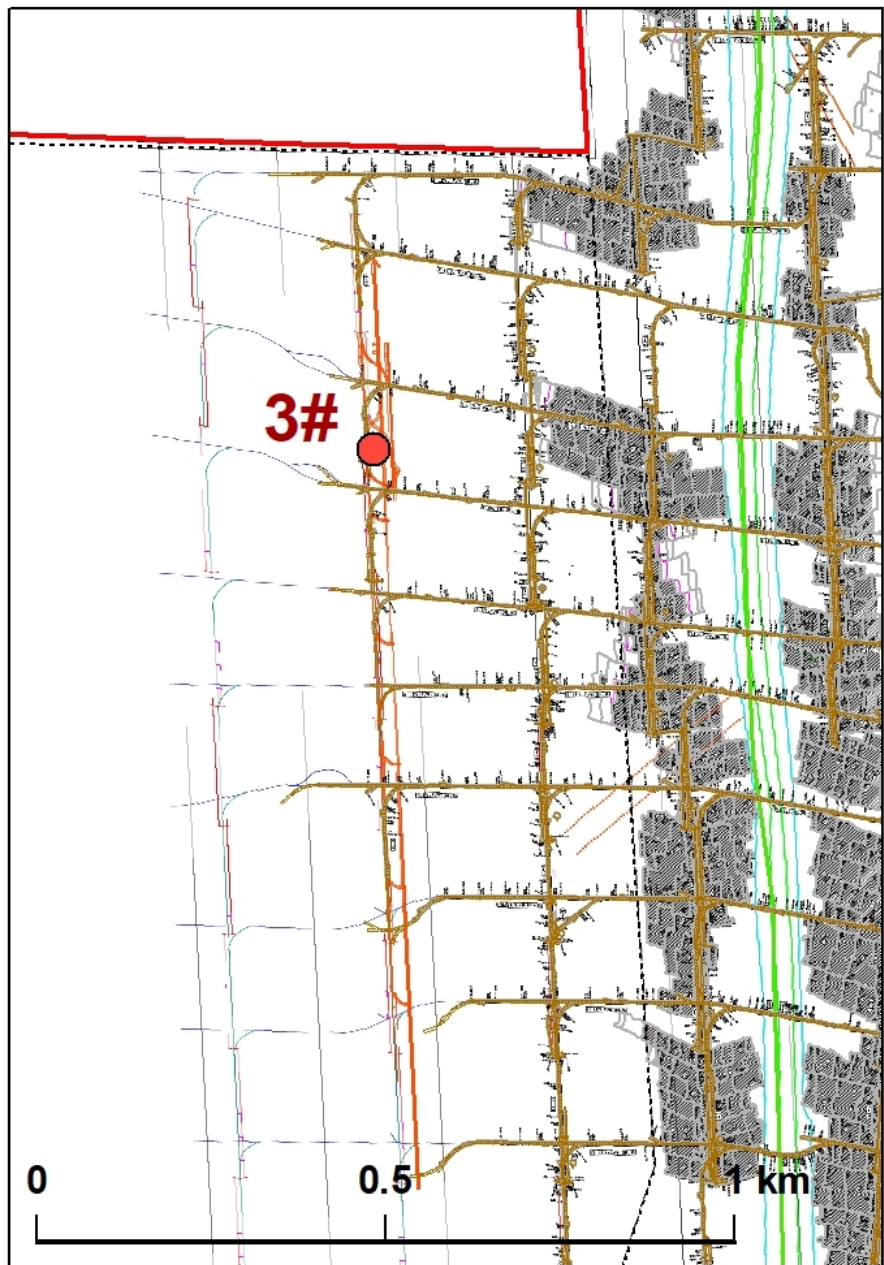
ZONDEREINDE – WESTERN EXTENSION

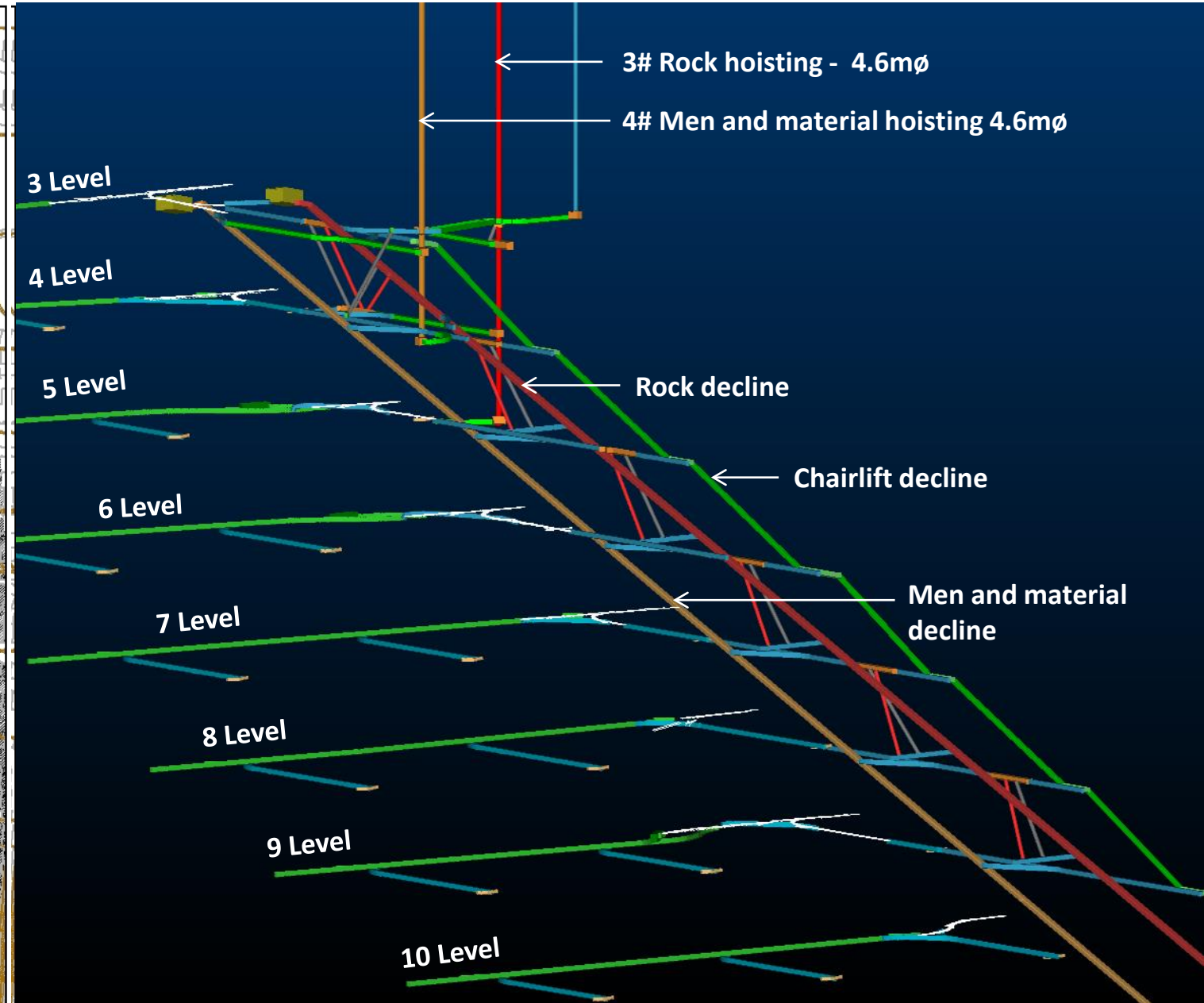
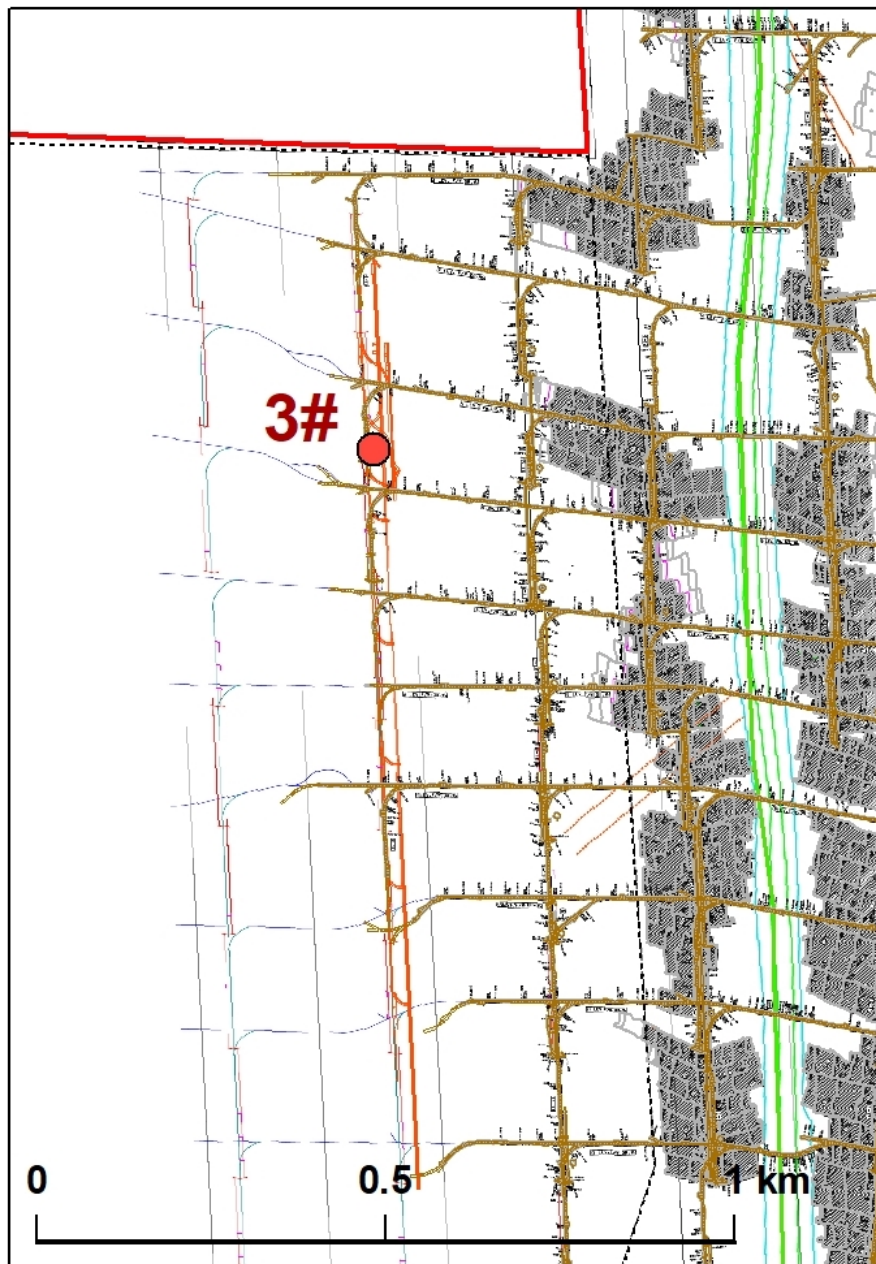


ZONDEREINDE – WESTERN EXTENSION



ZONDEREINDE – WESTERN EXTENSION



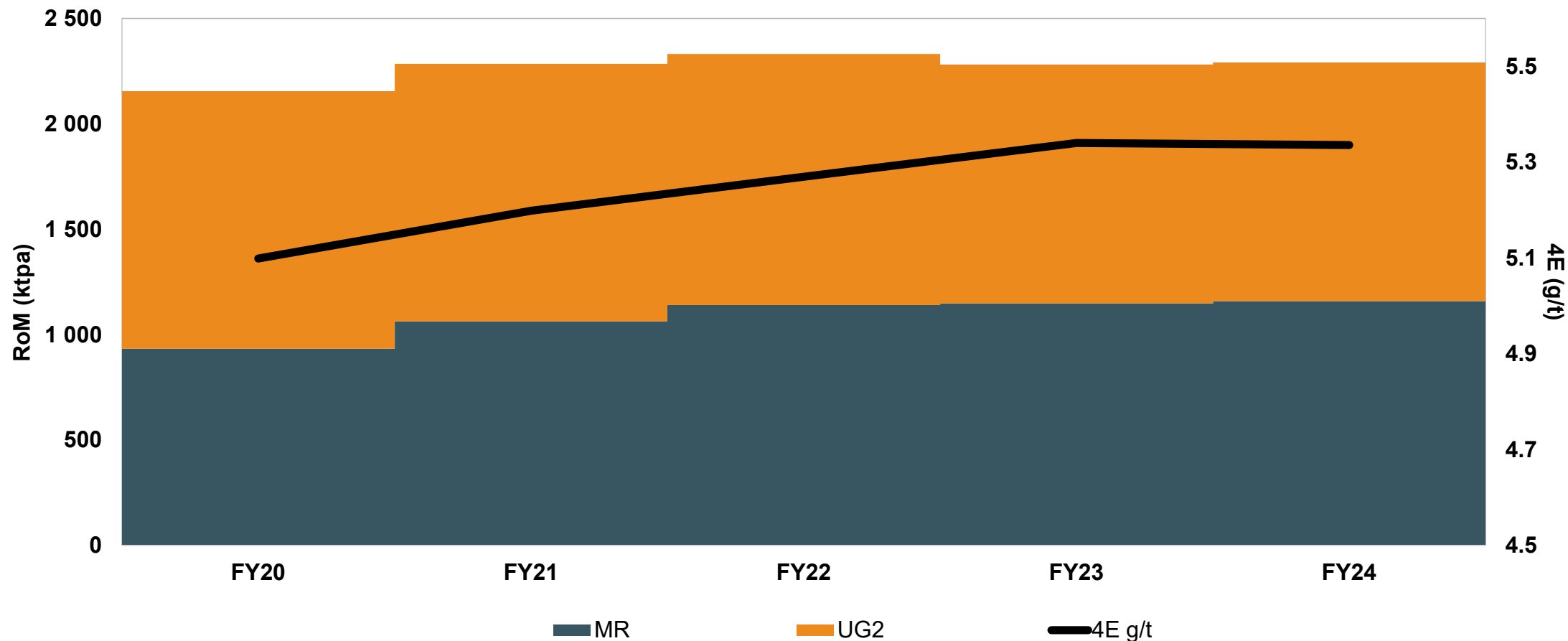


ZONDEREINDE – WESTERN EXTENSION

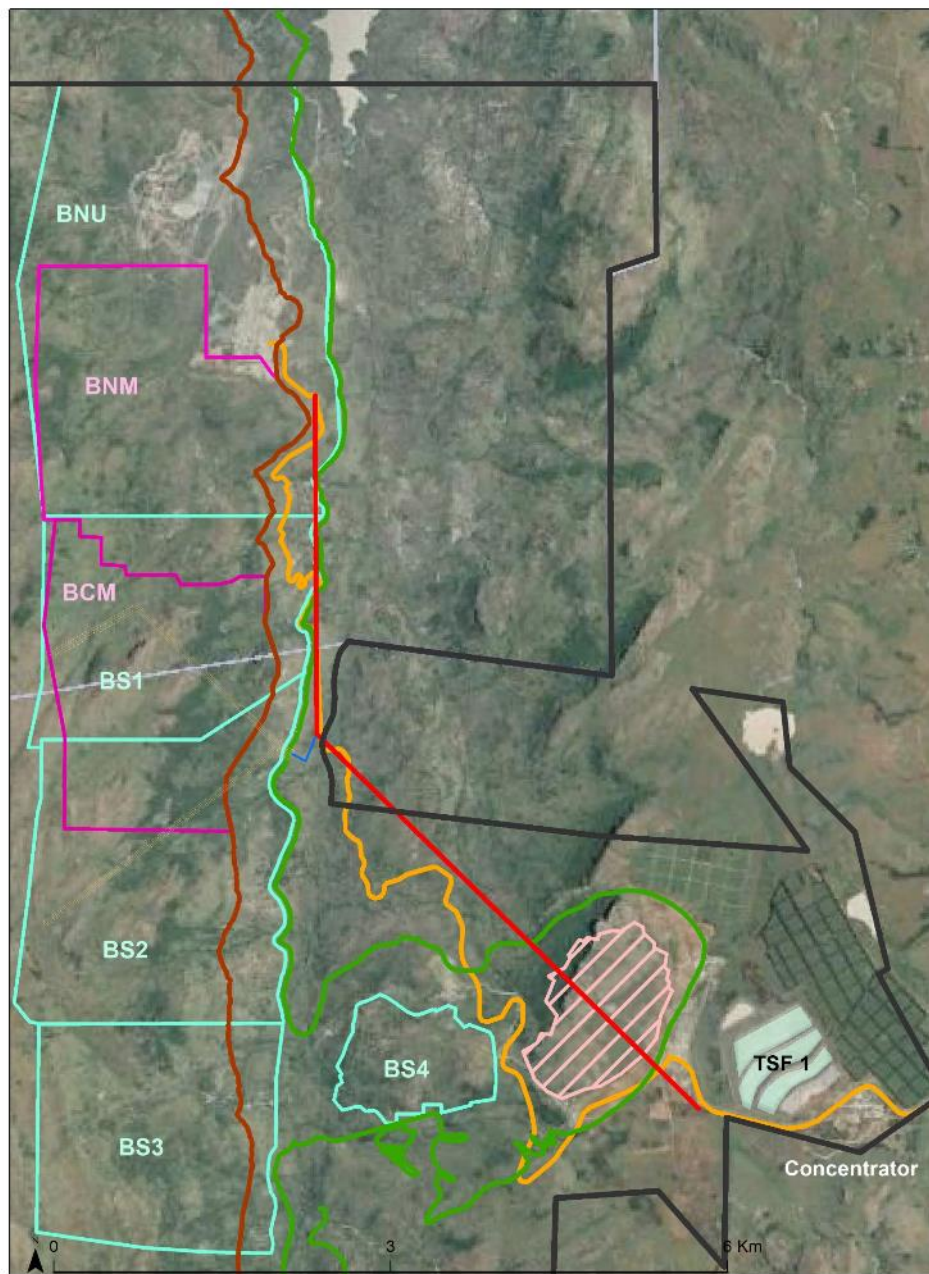


ZONDEREINDE OUTLOOK

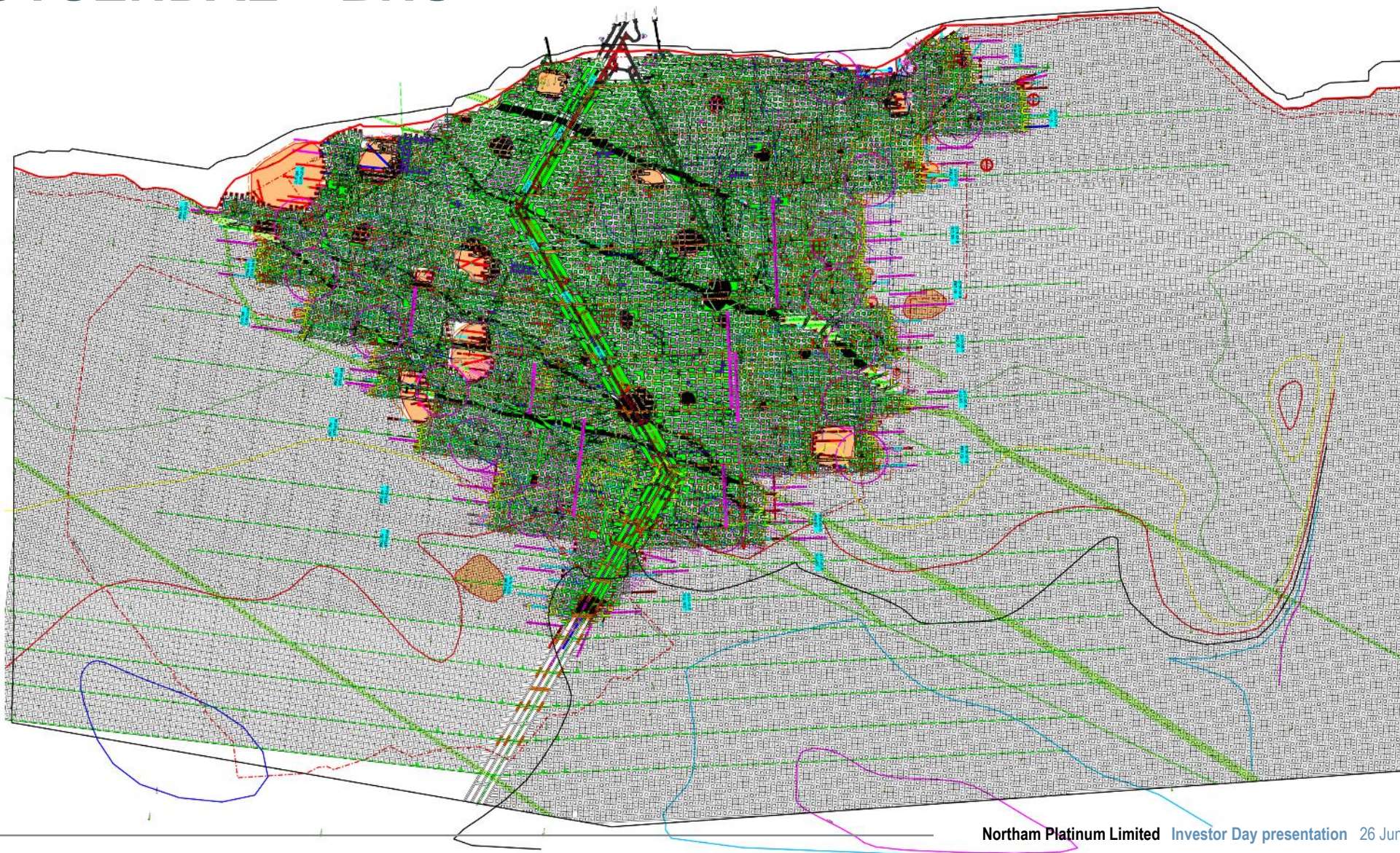
Milled tonnage and 4E grade



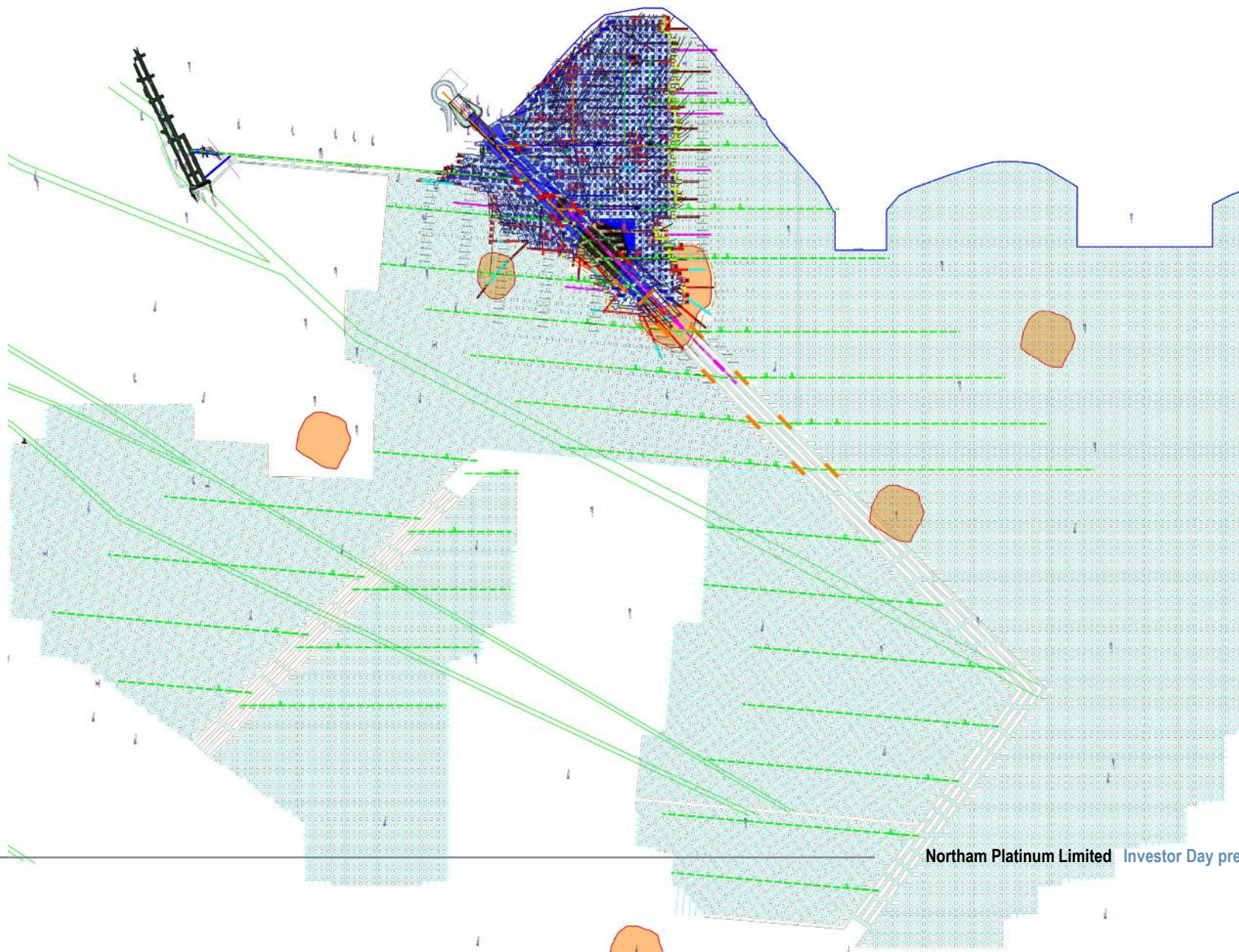
GROWTH PROJECTS UPDATE – BOOYSENDAL



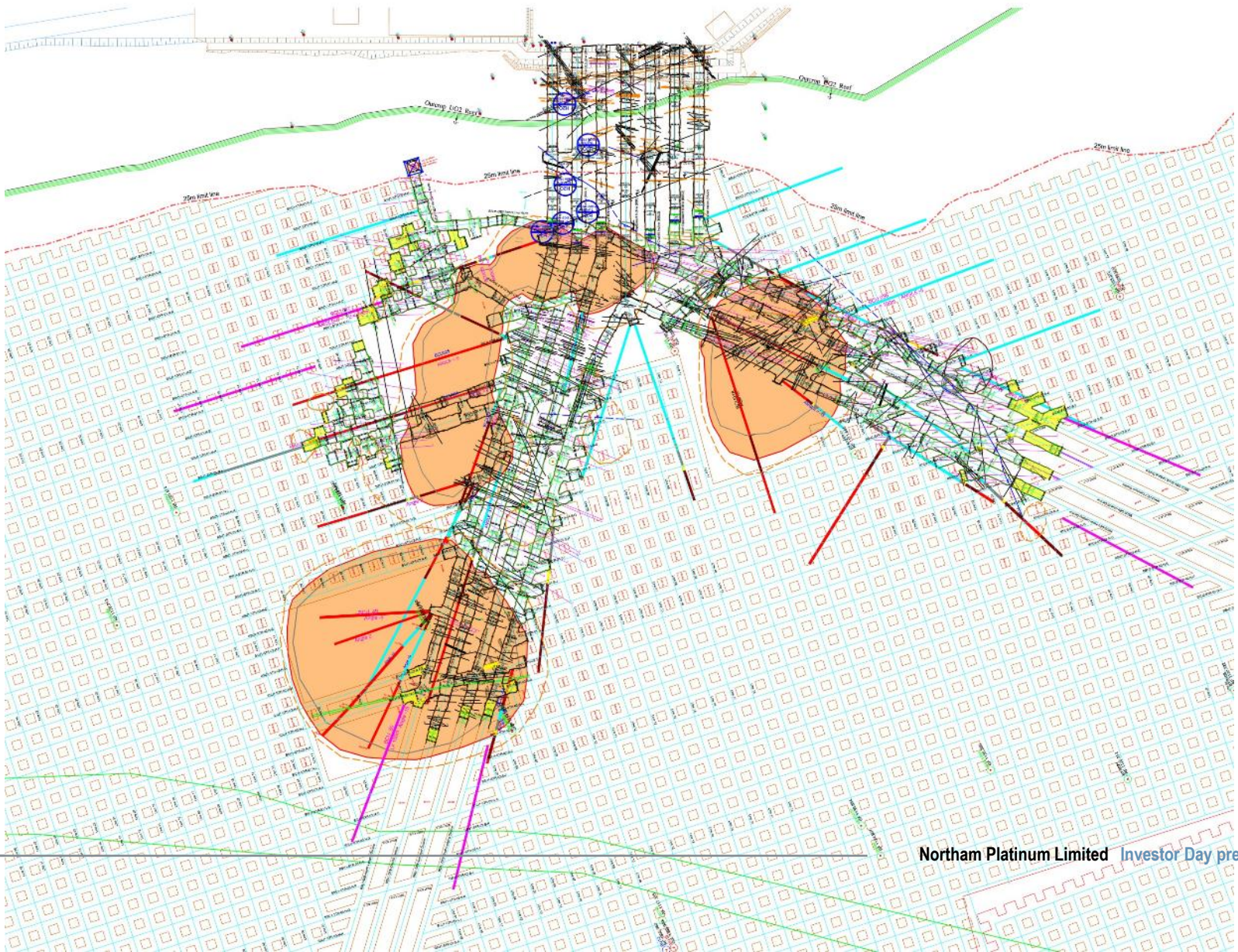
BOOYSENDAL – BNU



BOOYSENDAL – BNM



BOOYSENDAL – BCU



BOOYSENDAL – BCU

July 2017



June 2018



BOOYSENDAL – BCU



BOOYSENDAL – BCM



BOOYSENDAL ROADS



BOOYSENDAL ROPECON

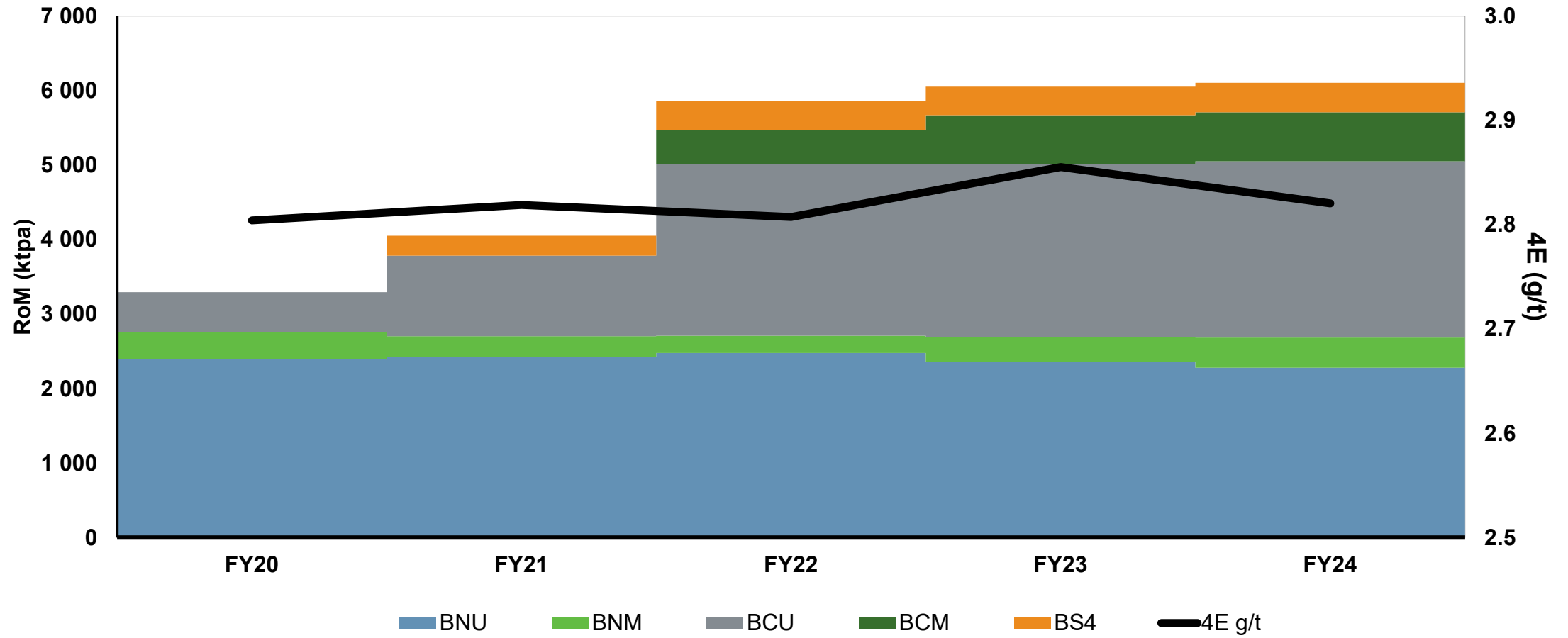
Capacity (Design)	1 150 t/hr
Capacity (Operational)	909 t/hr
Belt width	800 mm
Belt speed	4.2 m/s
Ropecon length	4 763 m
Belt length	9 770 m
Total rope length	29 km
Vertical lift	530 m

BOOYSENDAL SOUTH CONCENTRATOR



BOOYSENDAL OUTLOOK

Milled tonnage and 4E grade



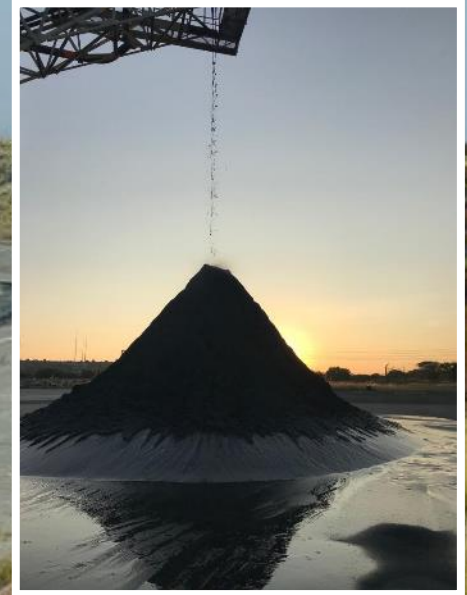
GROWTH PROJECTS UPDATE – ELAND



GROWTH PROJECTS UPDATE – ELAND

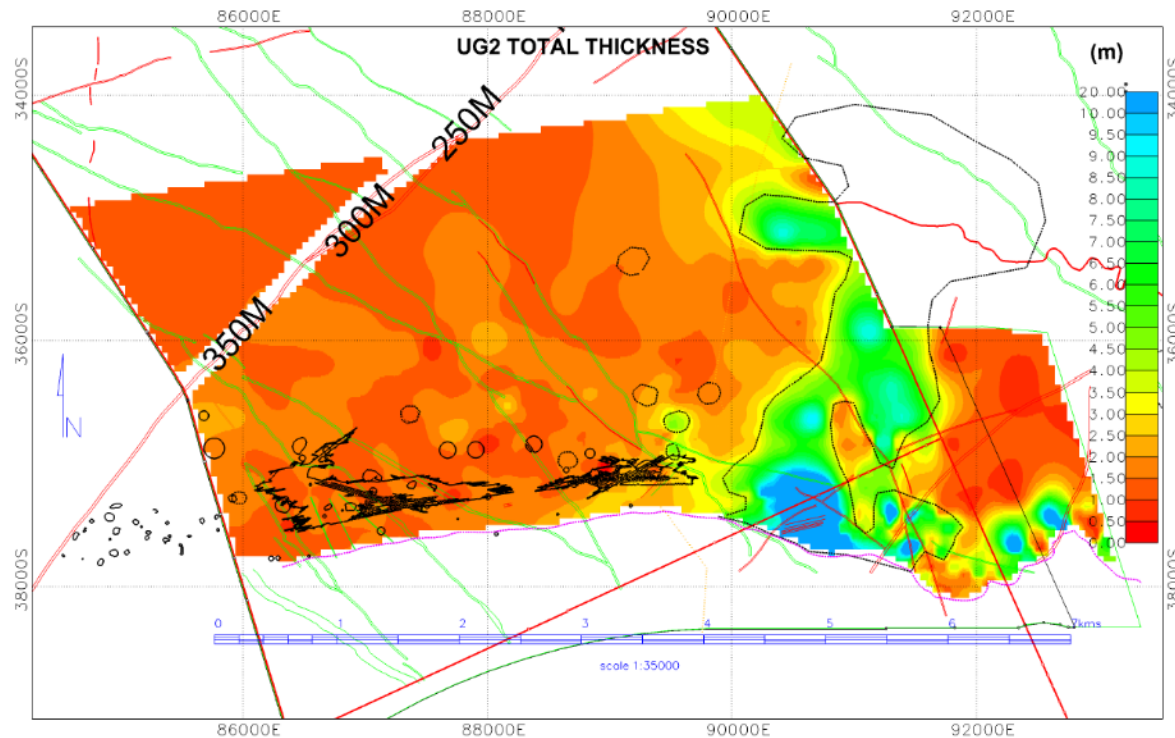


ELAND – TSF MINING

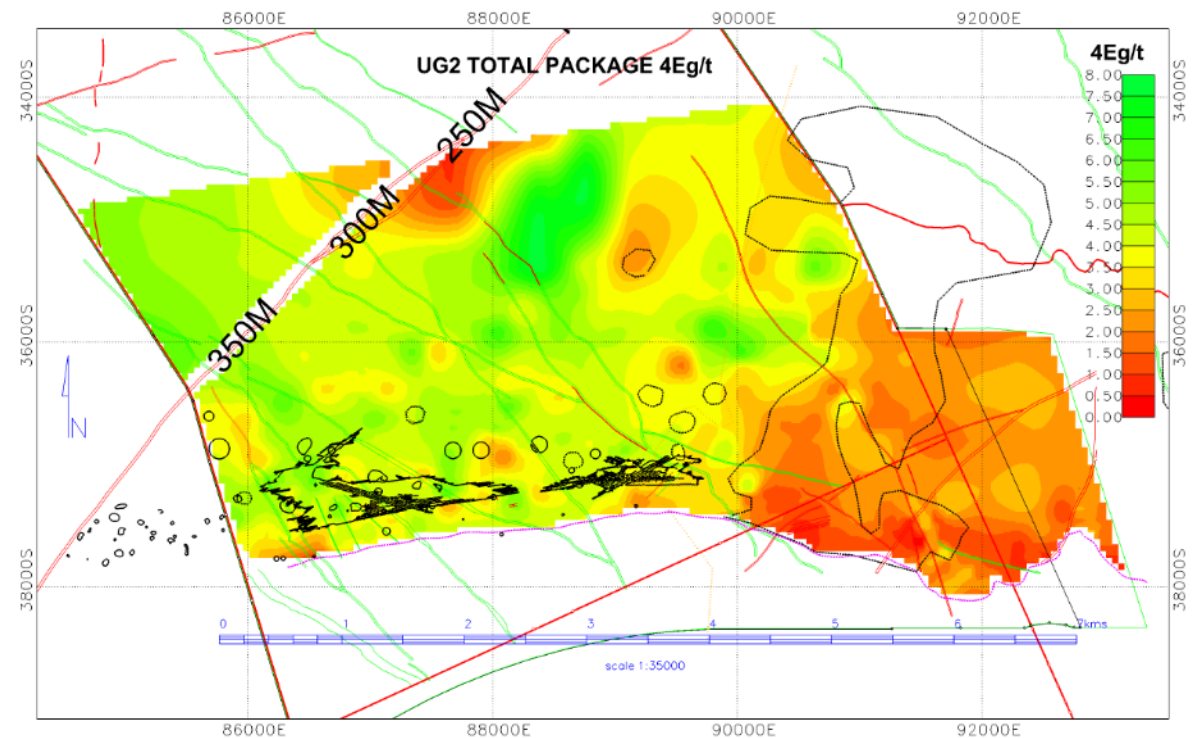


ELAND – UG2 CHARACTERISTICS

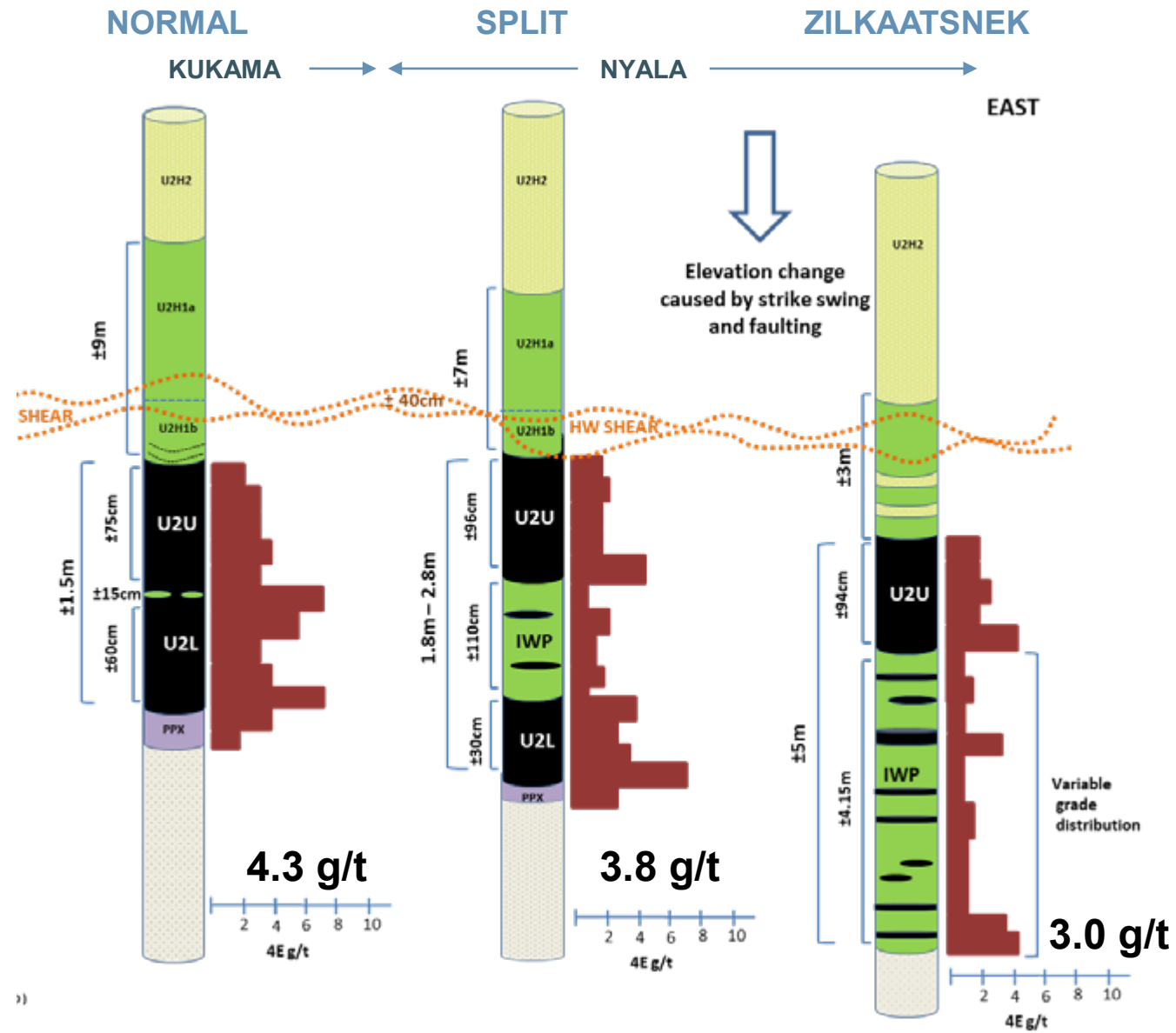
Normal facies = avg. 1.53m



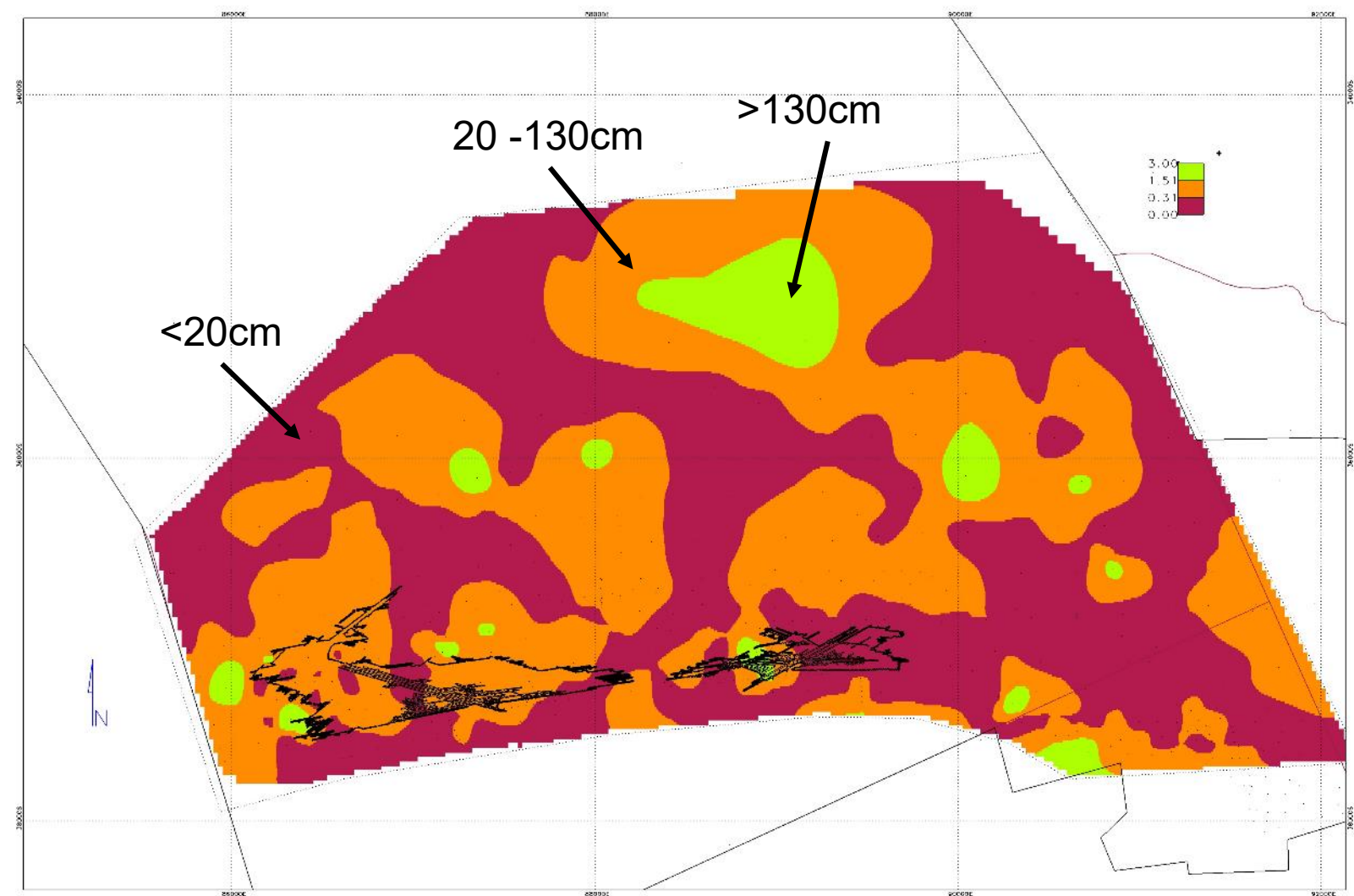
Normal facies = avg. 4.3 g/t 4E



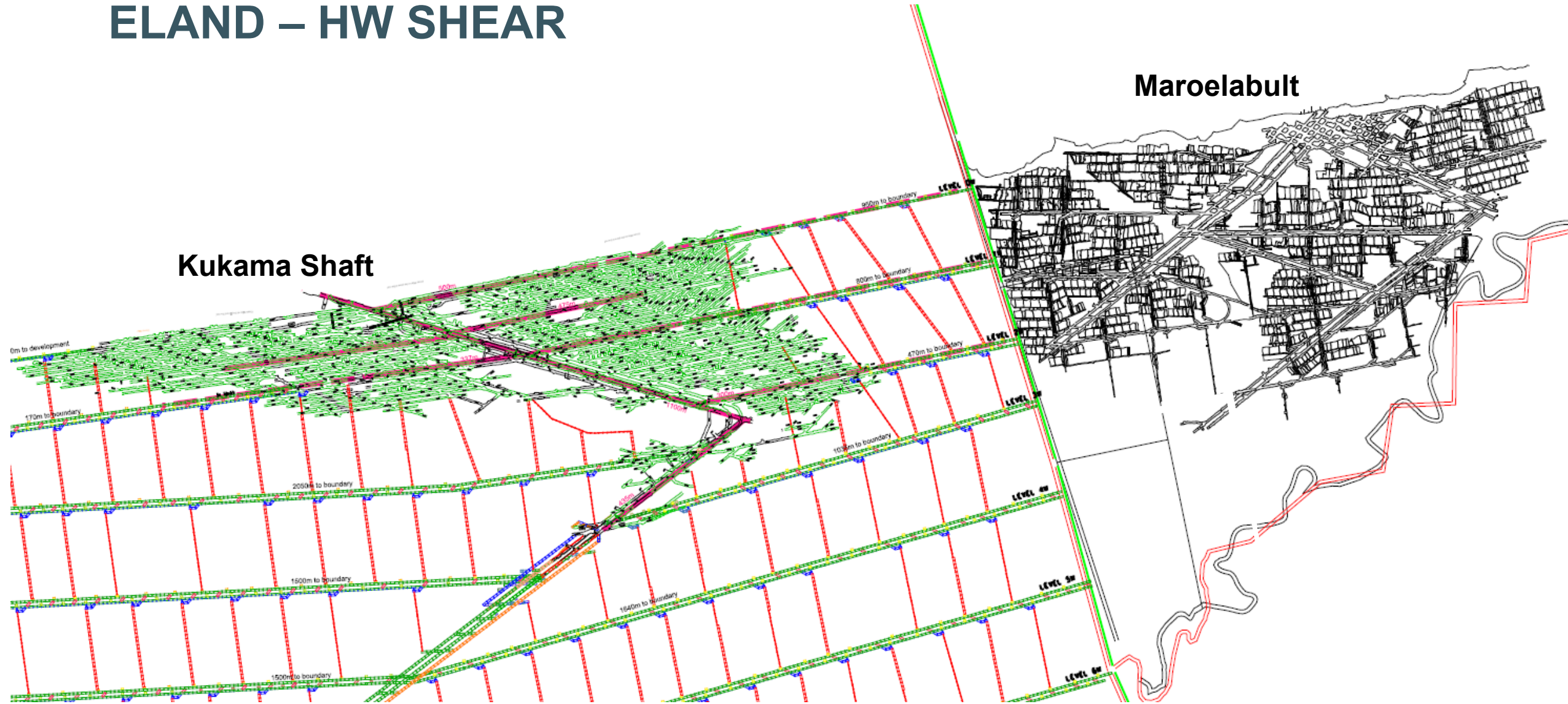
ELAND – UG2 CHARACTERISTICS



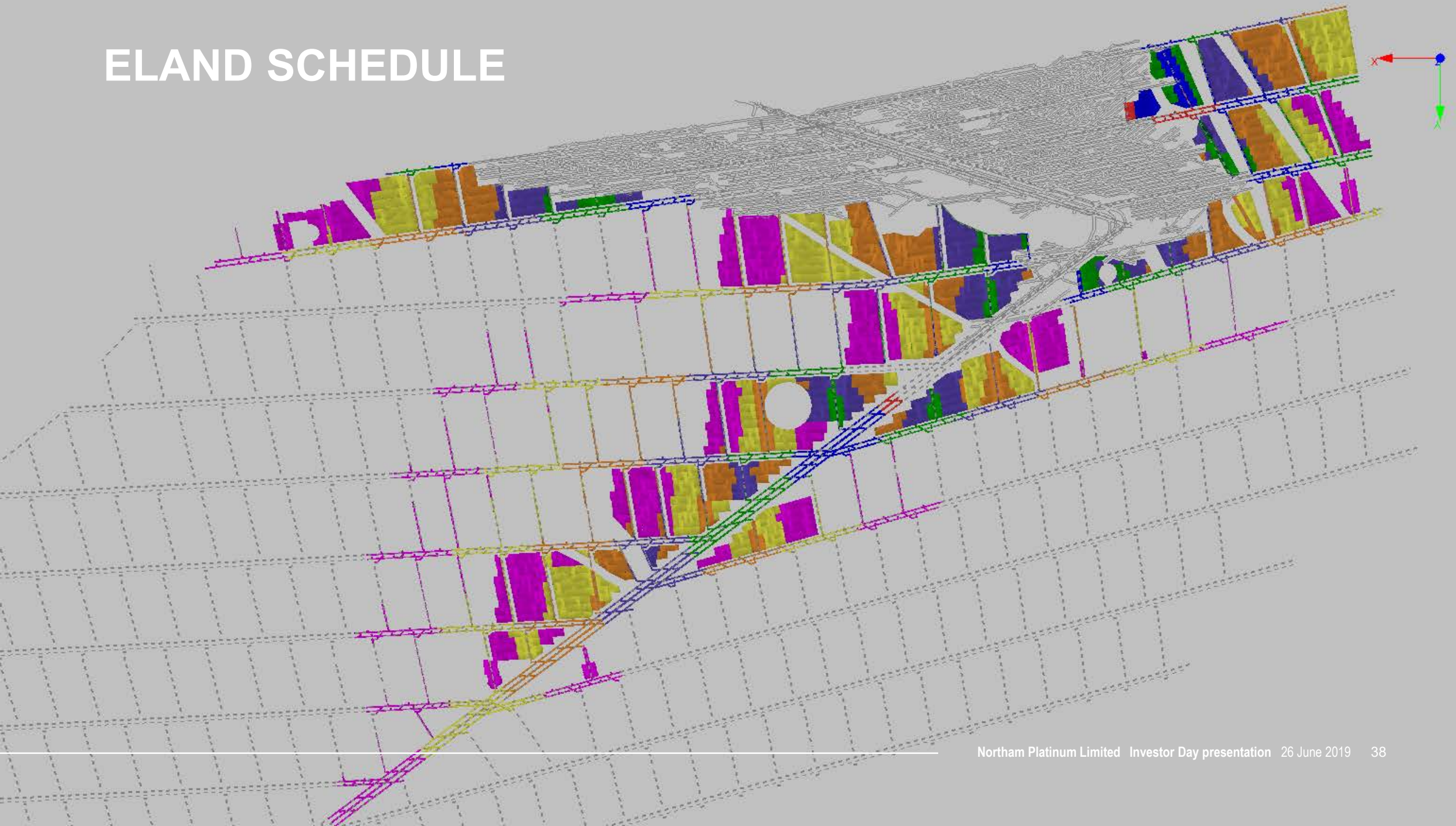
ELAND – HW SHEAR



ELAND – HW SHEAR

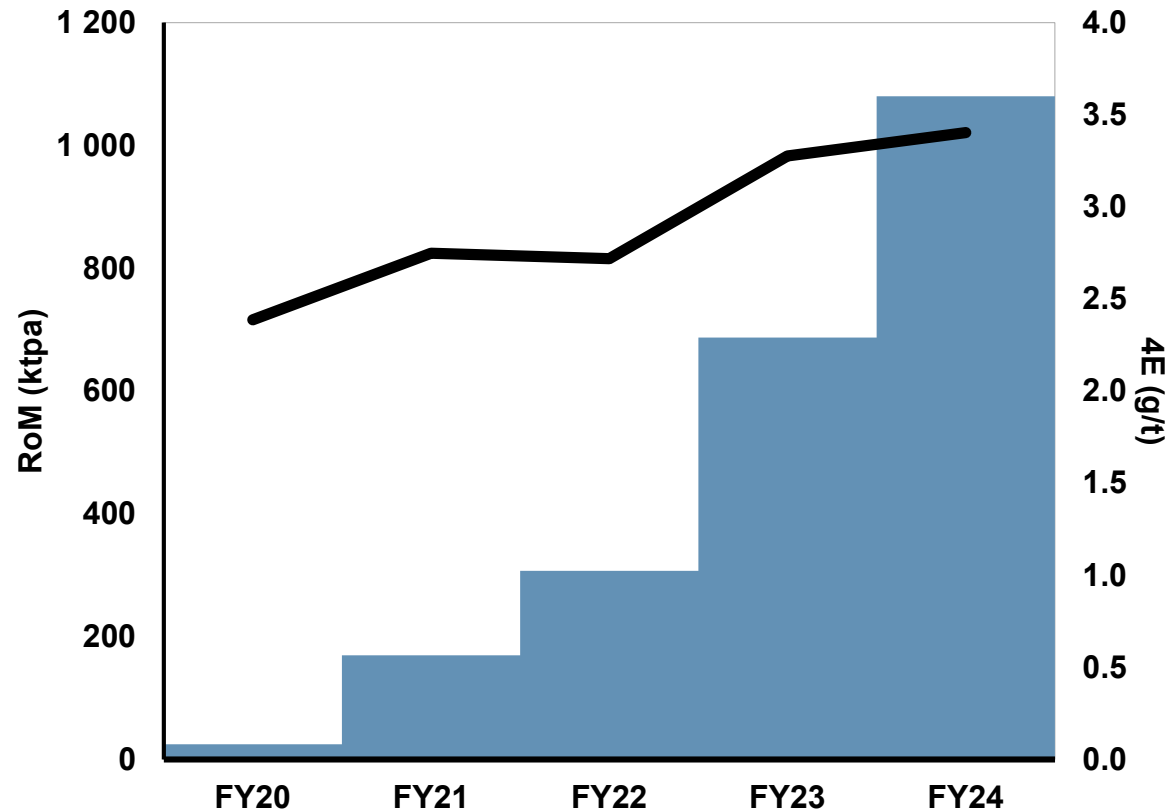


ELAND SCHEDULE



ELAND OUTLOOK

Milled tonnage and 4E grade



- >30-year LoM
- 137 ktpm @ 3.7 g/t 4E
- 150 koz pa 4E
- 2800 workforce at steady state
- 7 year build-up
- R1.1bn project capex
- R1.2bn working capital during development phase
- Cashflow positive F24
- R1bn annual free cash at steady state
- Unit cost (R/pt oz) 10% above Booyseendal

ELAND OPTIMISATION – MTB

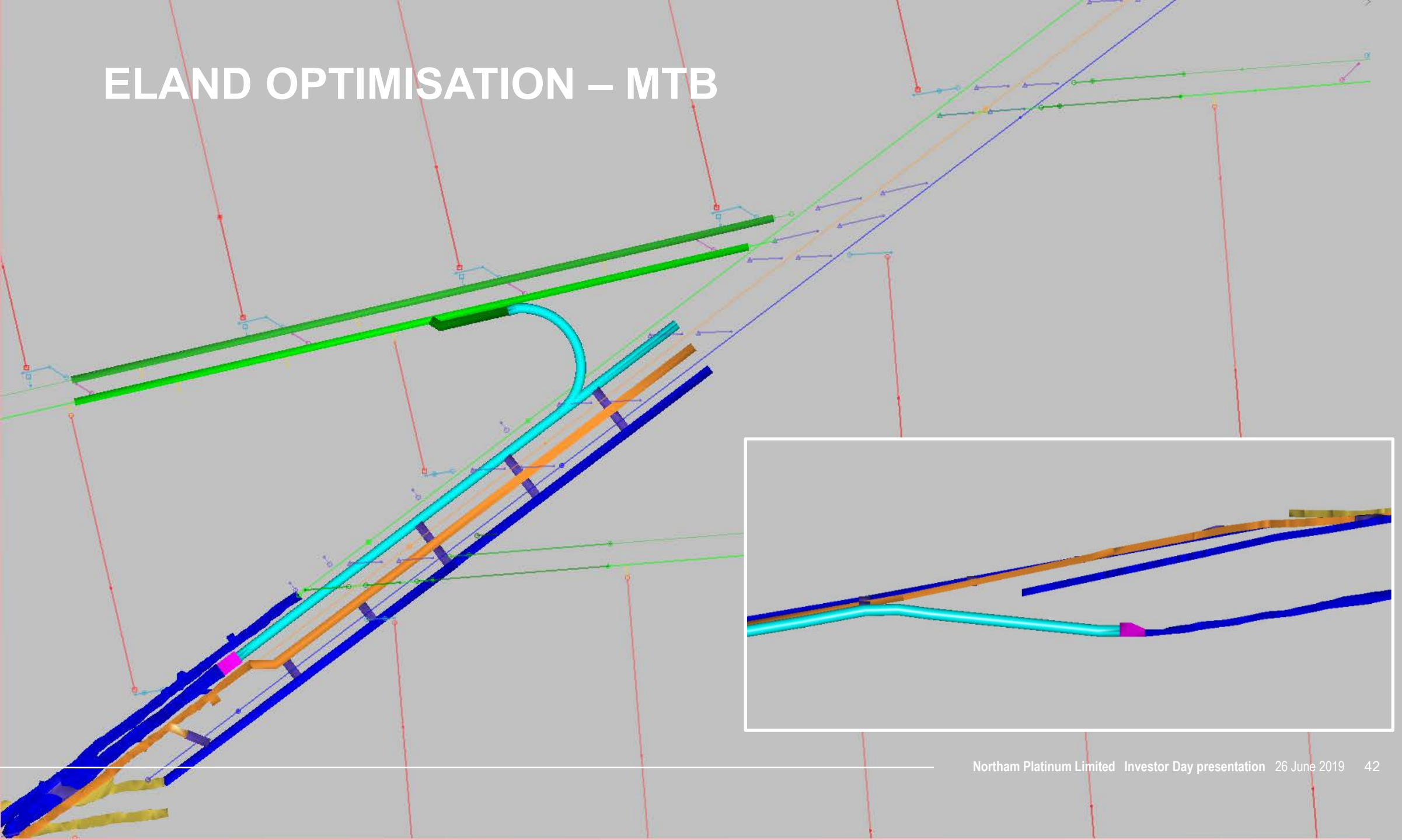


- Master Drilling performance validation project initiated
- 300m of drilling to start, testing rates and turning radius
- MTB placed in footwall conveyor decline (5.5m dia)
- Three months of drilling planned (50m, 100m, 150m)

ELAND OPTIMISATION – MTB



ELAND OPTIMISATION – MTB



GROWTH PROJECTS UPDATE – PROCESSING



Earthworks - smelter
material handling

Furnace 2



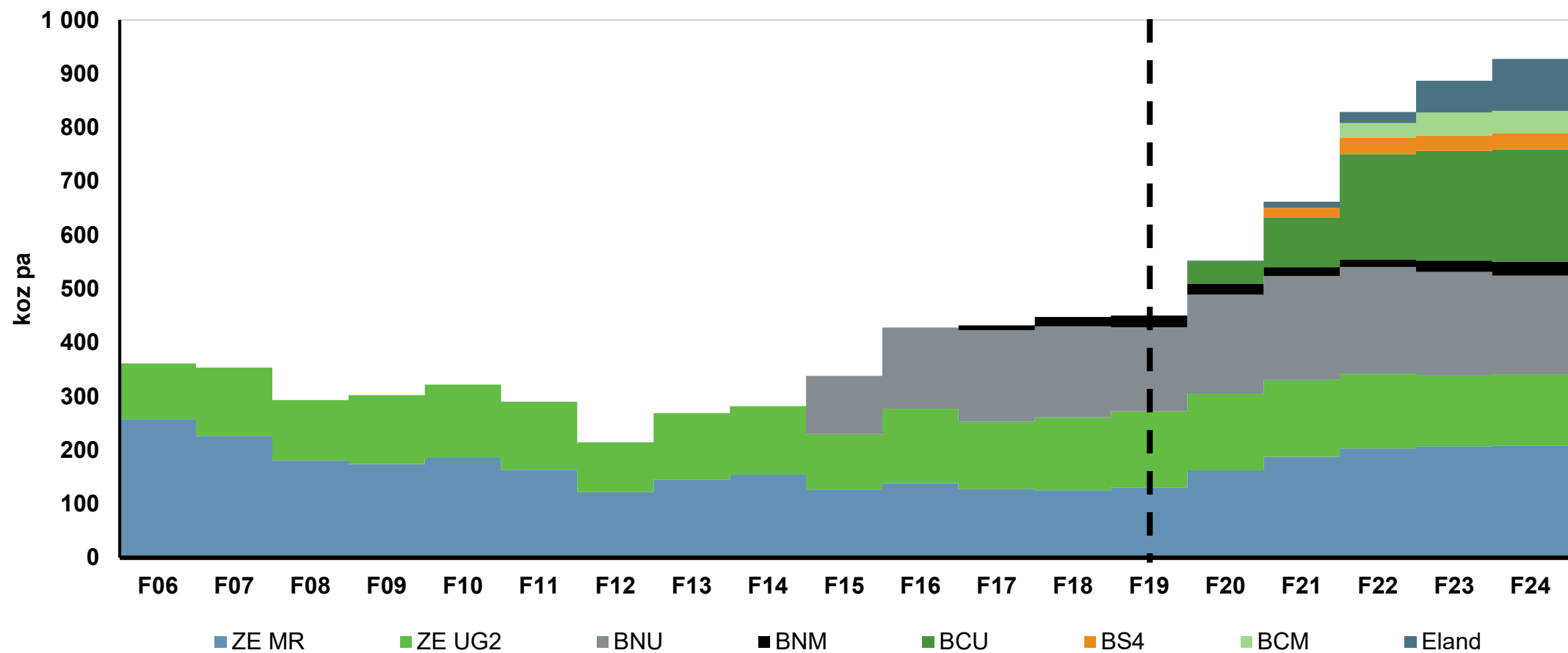
Dewatering plant
at Zondereinde

Dryer 2



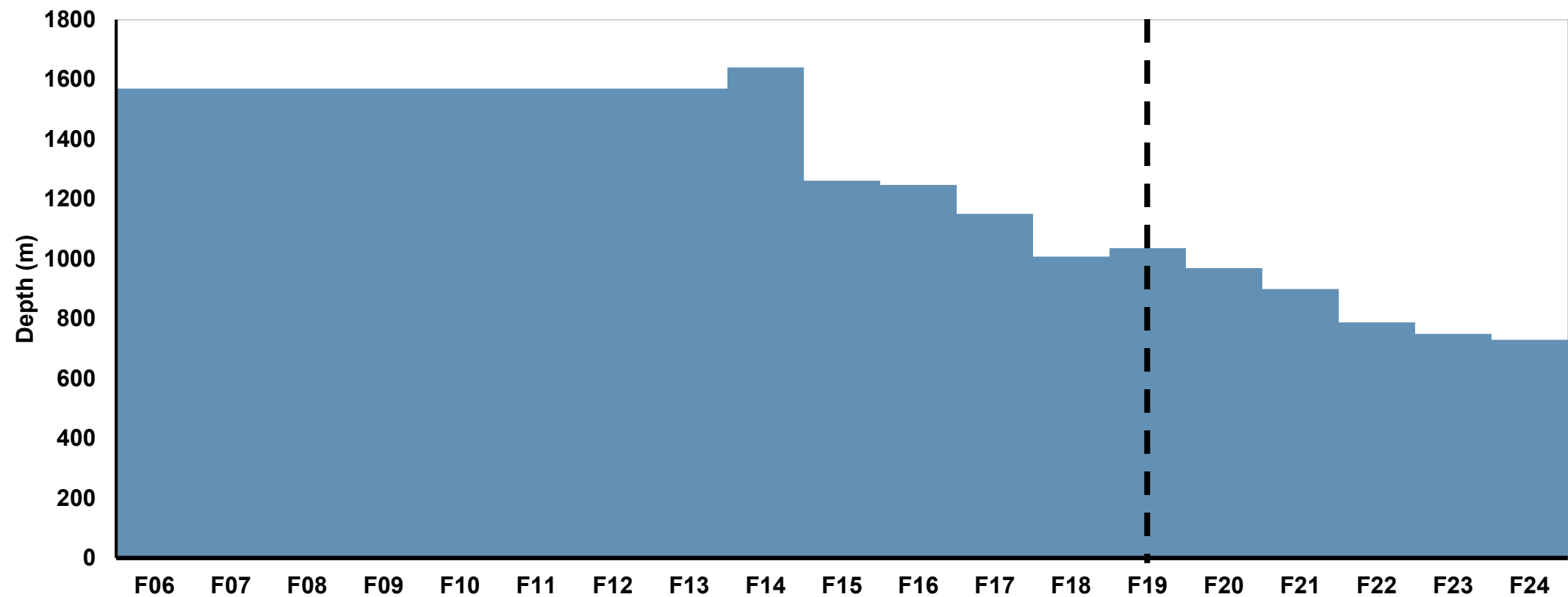
GROUP POSITION AND OUTLOOK

Saleable 4E ounce production



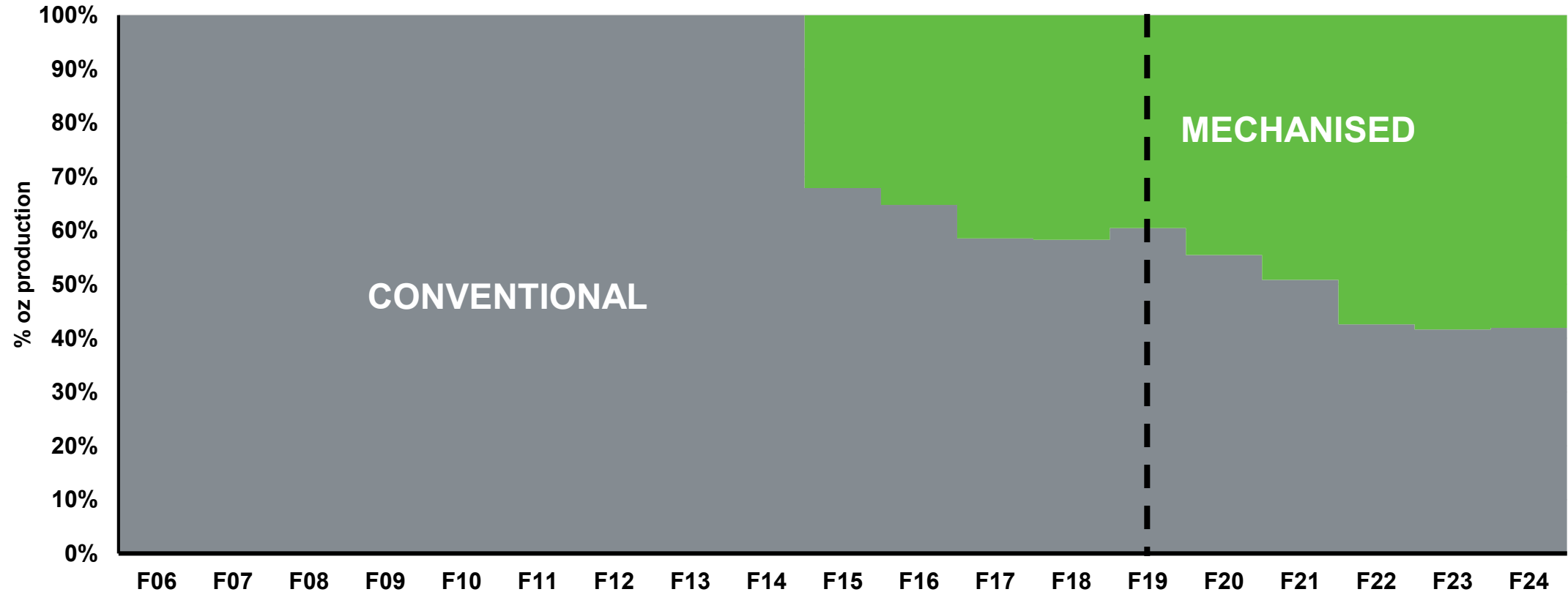
GROUP POSITION AND OUTLOOK

Average production depth



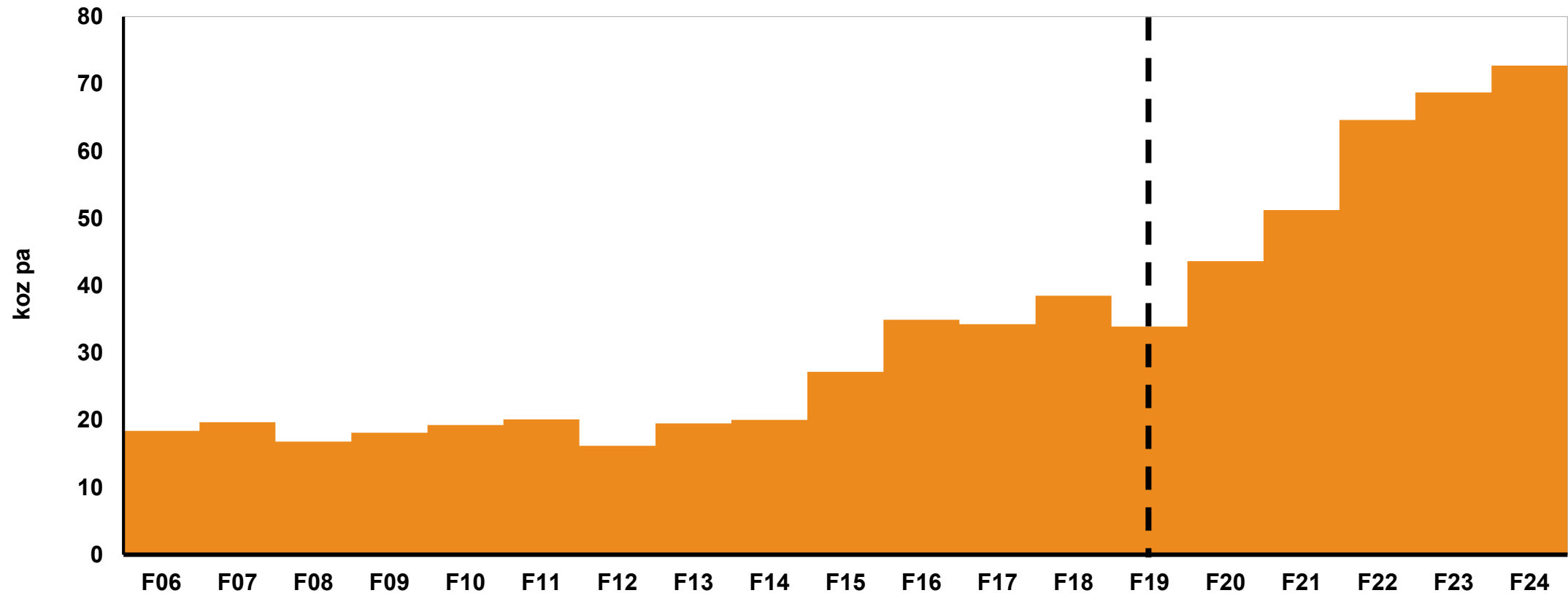
GROUP POSITION AND OUTLOOK

Conventional:mechanised mining split



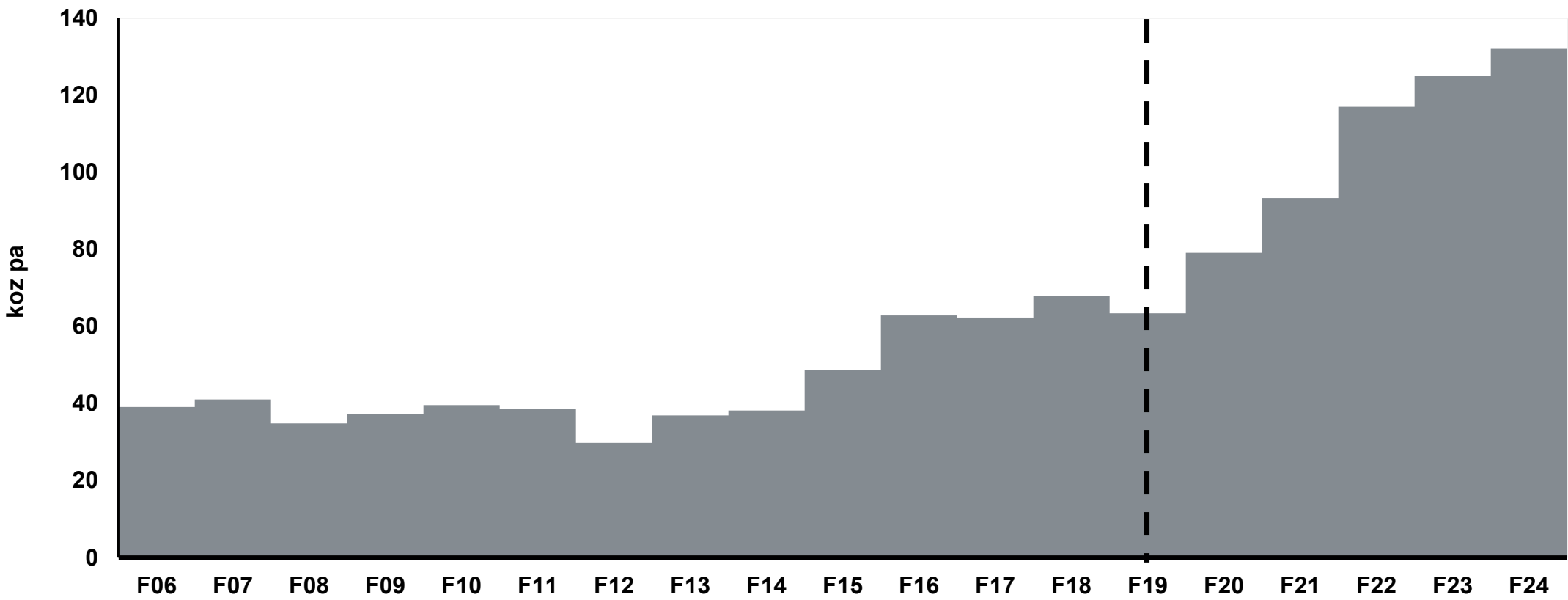
GROUP POSITION AND OUTLOOK

Saleable rhodium production



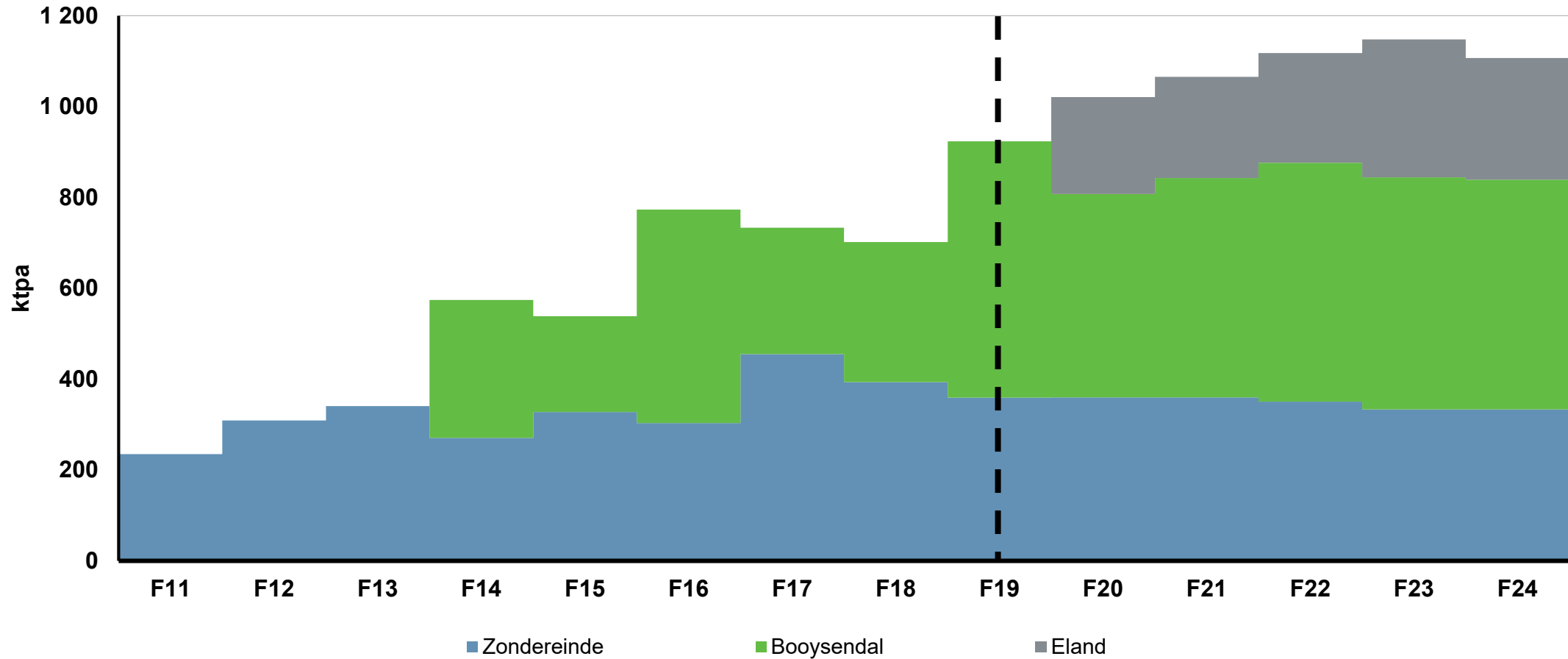
GROUP POSITION AND OUTLOOK

Saleable iridium production



GROUP POSITION AND OUTLOOK

Chromite concentrate production



SUMMARY

Robust resources and reserves

Shallowing mechanised production

Increasing centres of operation & mining attack points

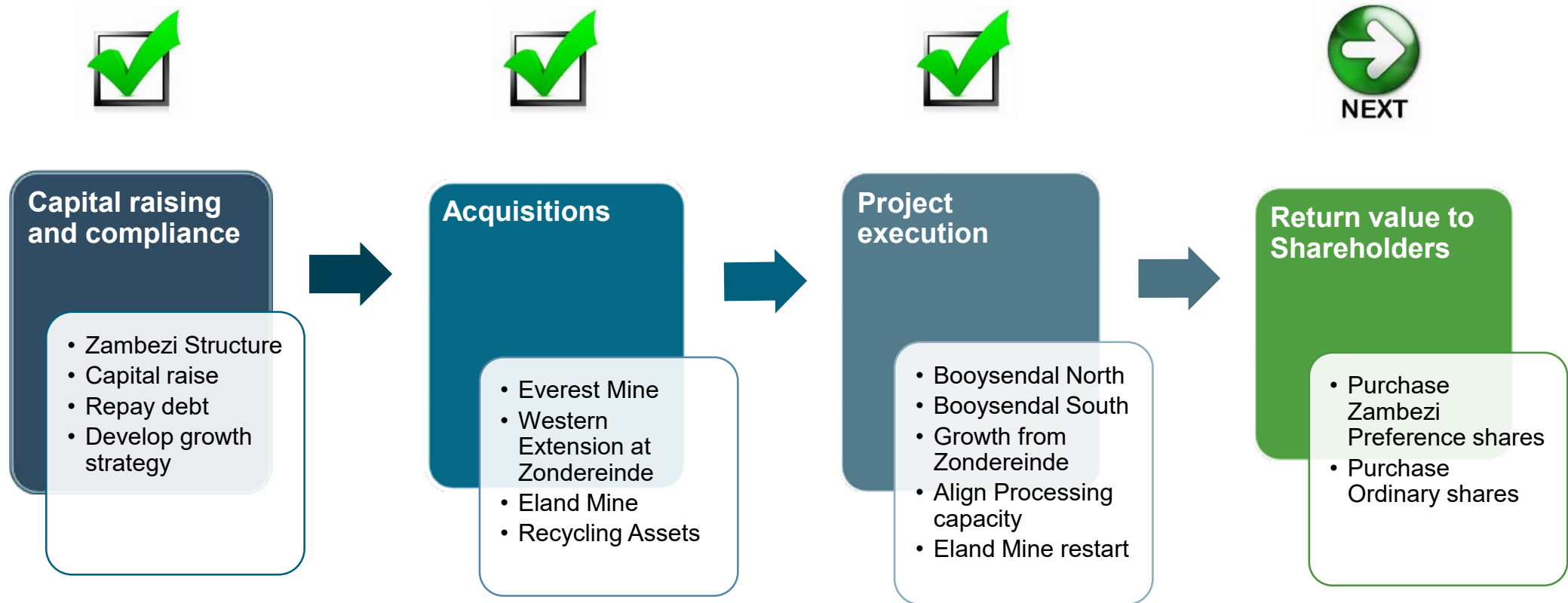
Optimizing and de-risking existing operations

Being capital efficient

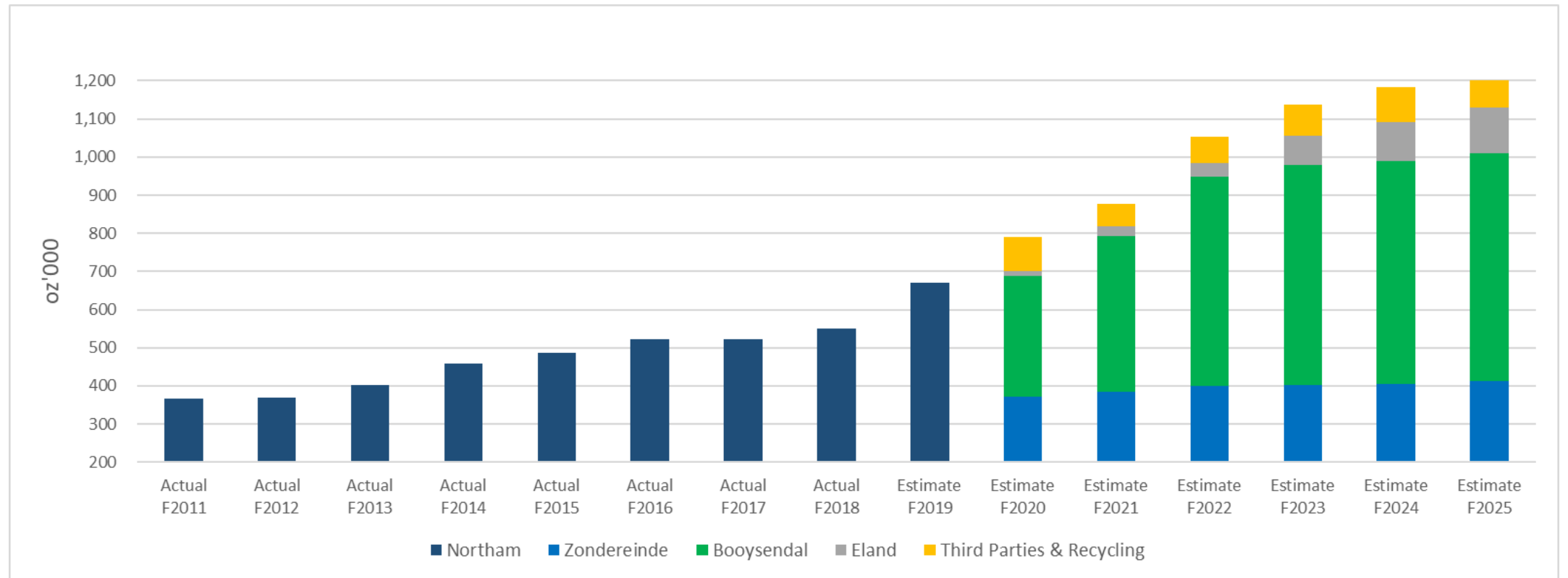
Moving quickly with capital projects



NORTHAM PLATINUM STRATEGIC PHASES



TOTAL REFINED OUNCES (6E)





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Name	Northam Platinum Limited
Share code	NHM
ISIN code	ZAE 000030912
JSE sector	Platinum
Shares in issue	509 781 212