



# STYLDRIFT PROJECT PROGRESS UPDATE

RBPLAT ANALYST ROUNDTABLE 3 MARCH 2020

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# STYLDRIIFT OVERVIEW

10.5mØ  
Main#  
758m deep

6.5mØ  
Services#  
723m deep

2  
Settlers

4  
Ore silos

32  
Trackless  
workshops

14  
Equipped  
stopping  
sections

0  
Trucking  
stopping  
sections

4  
Spare  
IMS sections



230ktpm

4.30g/t (4E)  
Built-Up  
head grade

320koz pa  
(4E)

At Steady State 2021



169ktpm  
peak

3.77g/t (4E)  
Built-Up  
head grade

160koz  
(4E)

Where we are (FY19)



10.5mØ  
Main#  
758m deep

6.5mØ  
Services#  
723m deep

1  
Operational  
Settler

3 ⇒ 4  
Ore silos

18 ⇒ 24  
Trackless  
workshops

6 ⇒ 12  
Equipped  
stopping  
sections

6 ⇒ 0  
Trucking  
stopping  
sections

0  
Spare  
IMS sections



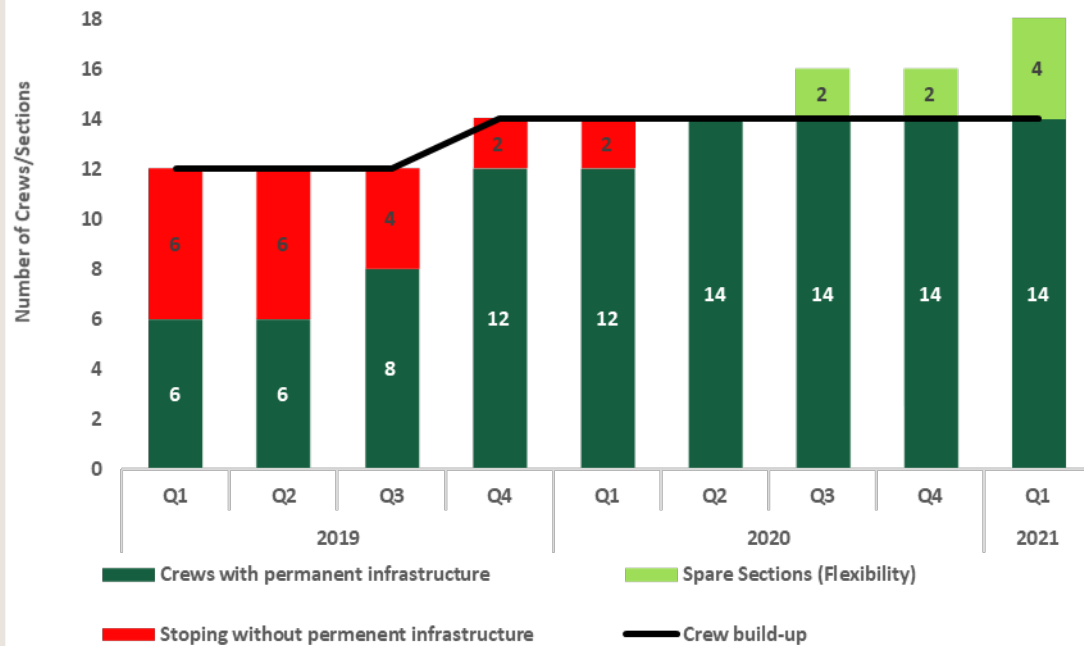
# 230KTPM MILESTONE VS CURRENT PRODUCTION

Sustainable steady state production at 230ktpm							
Area	Requirement	Q4'19	Q1'20	Q2'20	Q3'20	Q4'20	Q1'21
Development	Reach 5N and 4S in time for construction		✓				
Spare IMS sections	Section 4S (2/4)	✗			✓		
	Section 5N (4/4)	✗					✓
Infrastructure	Rock handling (Crew 13&14)	✗		✓			
	Water handling	✓					
	Power supply	✓					
	Workshops	✓					
	Logistics		✓				
	Ventilation	✓					
Efficient crews	14 crews @ 14 300t/Crew	✗					✓

Performance improvement roadmap			
Area	Current	Future	Comment
Labour	14 Operational crews	14 Operational crews	All mining crews on board
	Recruitment ongoing (Re-Development & Artisans)	Suitably staffed	Aggressive recruitment strategy
TMM availability	84% (In line with guidance)	85%	Artisan skills
			Workshop space
			TMM work rate (Tip distance/infrastructure)
IMS	0.85 (12/14) +100% Sections	1.30 (18/14)	Fundamental building block to success
Geology	Six stoping sections affected by geology in H2'19. (Feb'20=3)  Inefficient because they cannot move to a spare section	30% Inherent panel flexibility	Mine design caters for geological losses
		30% Section flexibility	
		70% Total flexibility	Currently unable to cater for section unavailability and steady state efficiencies remain at risk



# 230KTPM MILESTONES SUPPORT IMPROVED OPERATIONAL FLEXIBILITY



Description	-> 2018	2019	2020	Date
<b>Rock handling</b>				
<b>Temporary</b>		✓		
OPC 1,2		✓		
642 Level Y-Leg		✓		
<b>Silo 1</b>		✓		
OPC 3,4		✓		
<b>Silo 2</b>		✓		
UG2 bulkhead		✓		
<b>Silo 3</b>			✓	
Bulkhead 2S			✓	Q3'19
Bulkhead 3S			✓	Q4'19
Bulkhead 4S				✓ Q3'20
<b>Silo 4</b>			✓	
Bulkhead 1N		✓		
Bulkhead 2N			✓	
Bulkhead 3N			✓	Q4'19
Bulkhead 4N				✓ Q2'20
Bulkhead 5N				✓ Q1'21

Description	-> 2018	2019	2020	Date
<b>Logistics</b>				
<b>Main shaft</b>		✓		
Rock hoist		✓		
Man hoist		✓		
<b>Service shaft</b>		✓		
Water pipes		✓		
Air pipes		✓		
Fuel & lube piping		✓		
Concrete pipes		✓		
<b>Material loop</b>			✓	
2 Material bays			✓	
4 Material bays			✓	
6 Material bays			✓	Q4'19
8 Material bays			✓	Q4'19
<b>Workshops</b>				
Initial 24 workshops			✓	
Final 8 workshops				✓ Q1'20

Description	-> 2018	2019	2020	Date
<b>Water handling</b>				
<b>Temporary</b>				
SP200 Dam 1		✓		
SP200 Dam 2		✓		
<b>Permanent</b>				
Settler 1			✓	
Settler 2				✓ 2021

Description	-> 2018	2019	2020	Date
<b>Electricity</b>				
6 x electrical feeds		✓		
Ngwedi sub-station		✓		

Description	-> 2018	2019	2020	Date
<b>Ventilation</b>				
Ventilation shaft 1		✓		
Ventilation shaft 2			✓	Q3'19
Ventilation shaft 3		✓		

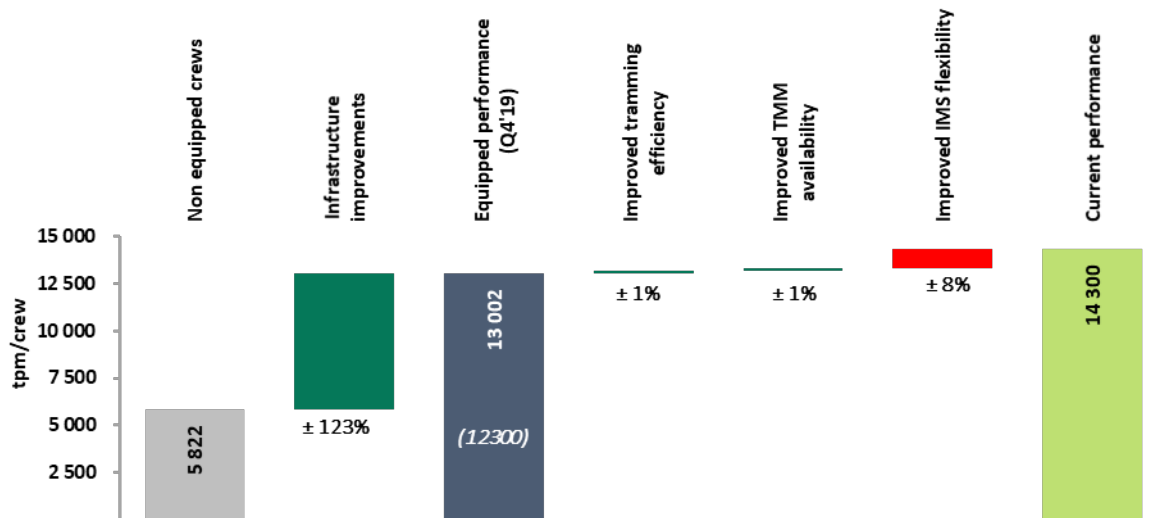
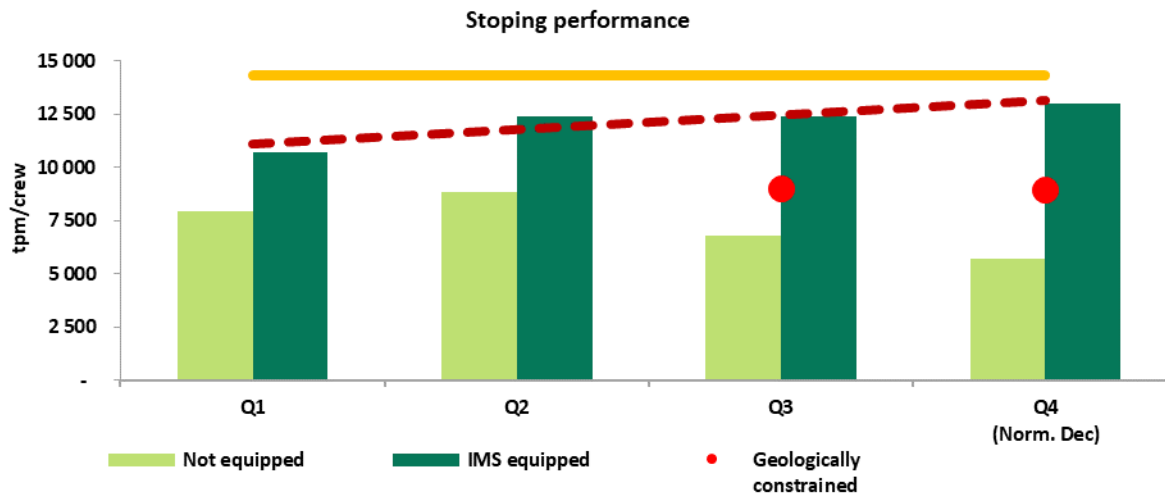
Legend				
Complete by H1:2019			✓	
Complete H1:2019 - Date			✓	
To be complete			✓	

## Main infrastructure in place

- > Rock handling (Stopping sections 4N, 5N & 4S)
- > Logistics
- > Water handling
- > Workshops
- > Electricity
- > Ventilation



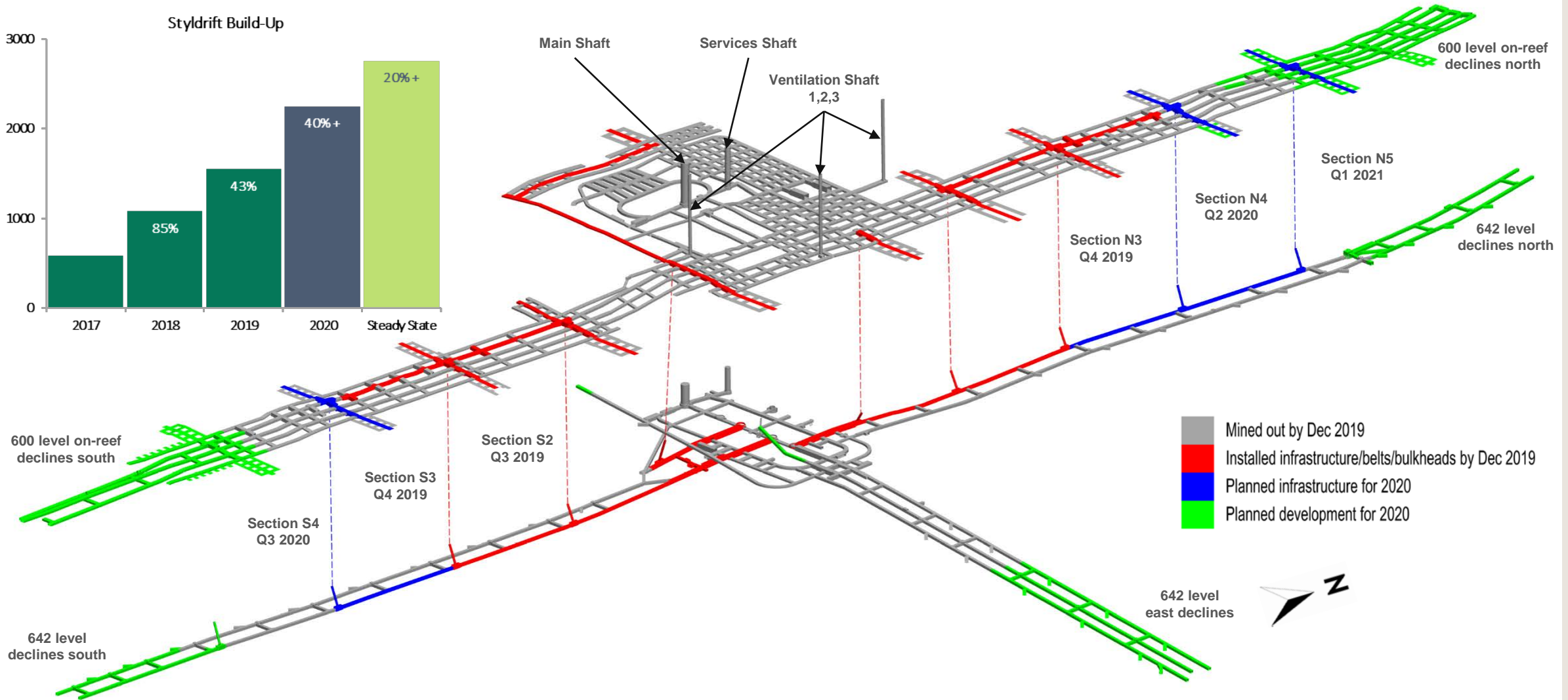
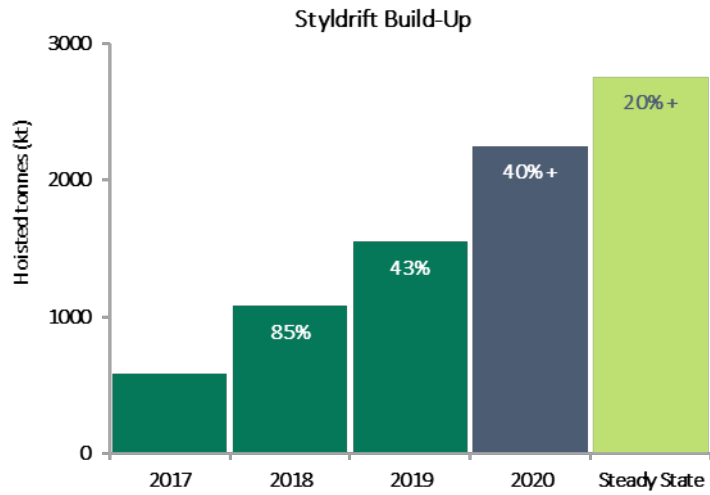
# CURRENT PRODUCTION AND FUTURE EFFICIENCY IMPROVEMENT



Improvement area	Description
Improved efficiency when section becomes equipped	<p><b>Tip to face distance</b></p> <ul style="list-style-type: none"> <li>➢ 37m Avg. reduction</li> </ul> <p><b>Fleet Efficiency</b></p> <p>Availability + 15%</p> <ul style="list-style-type: none"> <li>➢ MTBF: + 83%</li> <li>➢ MTTR: - 35%</li> </ul> <p><i>Continued focus area</i></p>
Focus areas to improve efficiency	<p><b>Utilisation</b></p> <ul style="list-style-type: none"> <li>➢ Face time</li> <li>➢ Operator Proficiency</li> </ul> <p><b>IMS</b></p> <ul style="list-style-type: none"> <li>➢ <b>Flexibility to move crews to effectively deal with geological disturbances</b> <ul style="list-style-type: none"> <li>➢ H2:2019 Significant impact</li> <li>➢ Spare IMS will reduce magnitude of impact</li> </ul> </li> <li>➢ Develop footprint and install infrastructure for spare IMS           <ul style="list-style-type: none"> <li>➢ Spare IMS: 2 in Q3'20 &amp; 4 in Q1'21</li> </ul> </li> </ul>
Focus areas to improve cost	<ul style="list-style-type: none"> <li>➢ Drive to improve mining fleet &amp; logistic efficiency impacted on short term cost</li> <li>➢ Economy of scale benefits come in play as Styldrifft reach steady state.</li> </ul>

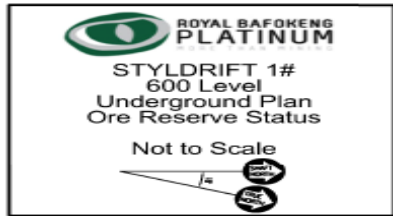


# STEADY RAMP-UP AMID SUBSTANTIAL CONSTRUCTION



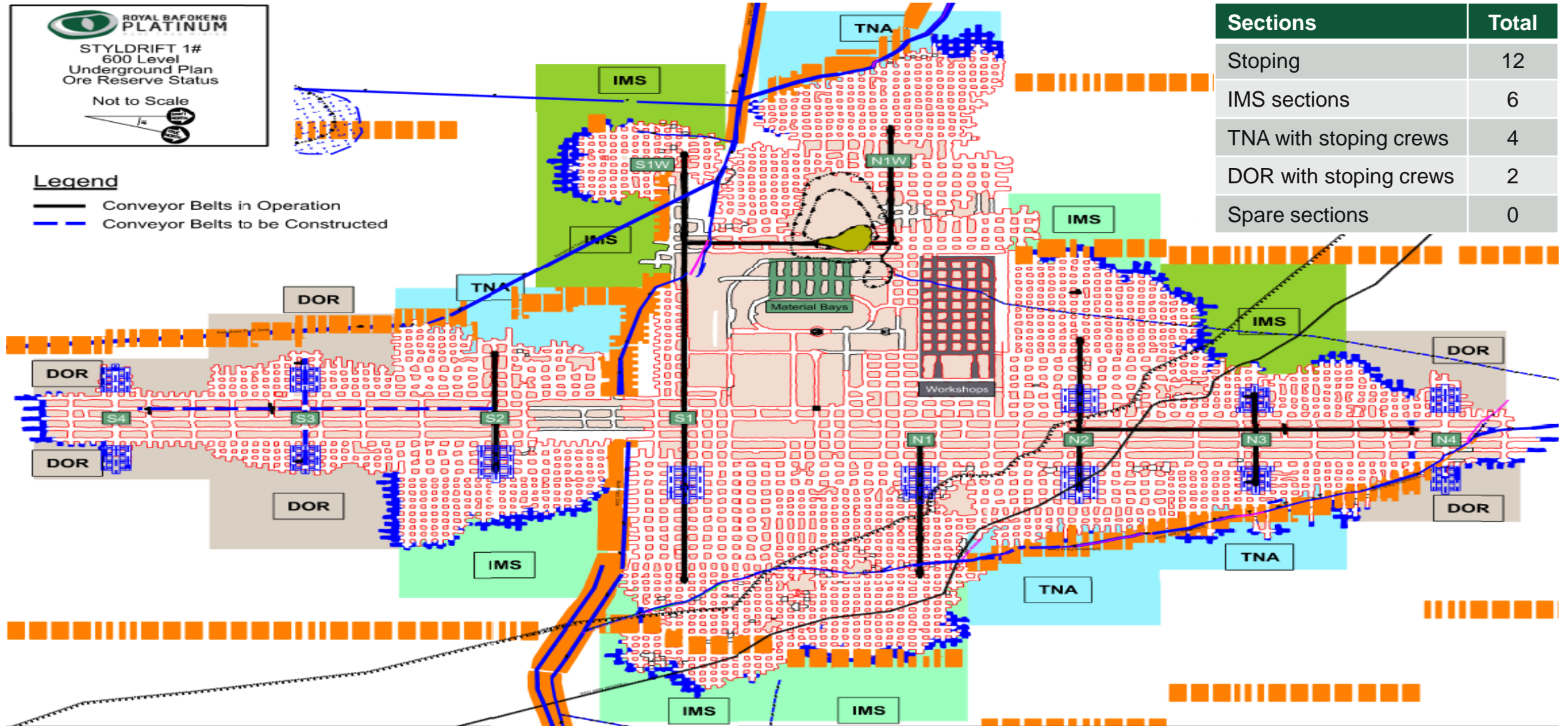


# INFRASTRUCTURE AND ORE RESERVES – Q3 2019 (WORST CASE)



## Legend

- Conveyor Belts in Operation
- - - Conveyor Belts to be Constructed



Sections	Total
Stoping	12
IMS sections	6
TNA with stoping crews	4
DOR with stoping crews	2
Spare sections	0

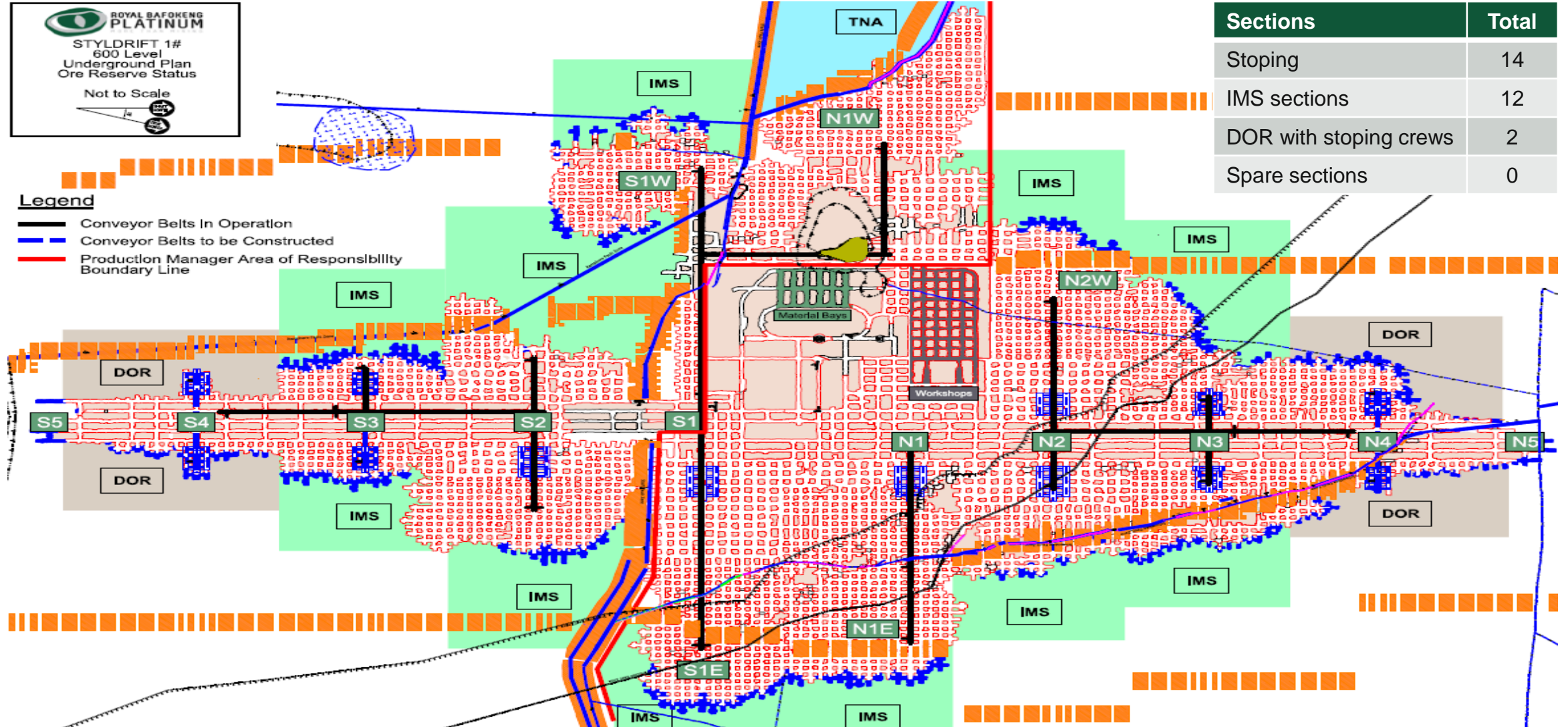


# INFRASTRUCTURE AND ORE RESERVES – FEB'20

**ROYAL BAFOKENG PLATINUM**  
STYLDRIIFT 1#  
600 Level  
Underground Plan  
Ore Reserve Status  
Not to Scale

## Legend

- Conveyor Belts In Operation
- Conveyor Belts to be Constructed
- Production Manager Area of Responsibility Boundary Line



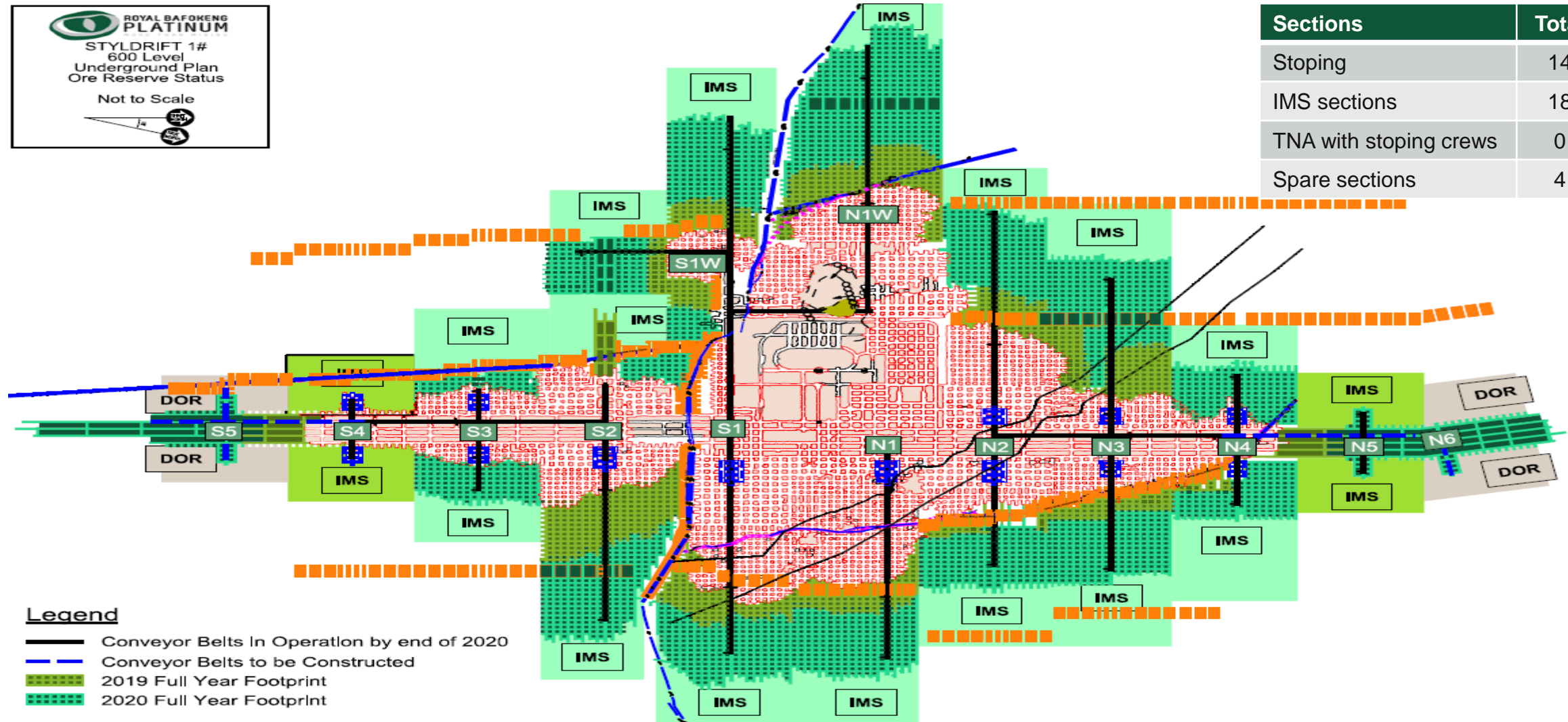
Sections	Total
Stoping	14
IMS sections	12
DOR with stoping crews	2
Spare sections	0





# INFRASTRUCTURE AND ORE RESERVES – Q4 2020

**ROYAL BAFOKENG PLATINUM**  
STYLDRIFT 1#  
600 Level  
Underground Plan  
Ore Reserve Status  
Not to Scale



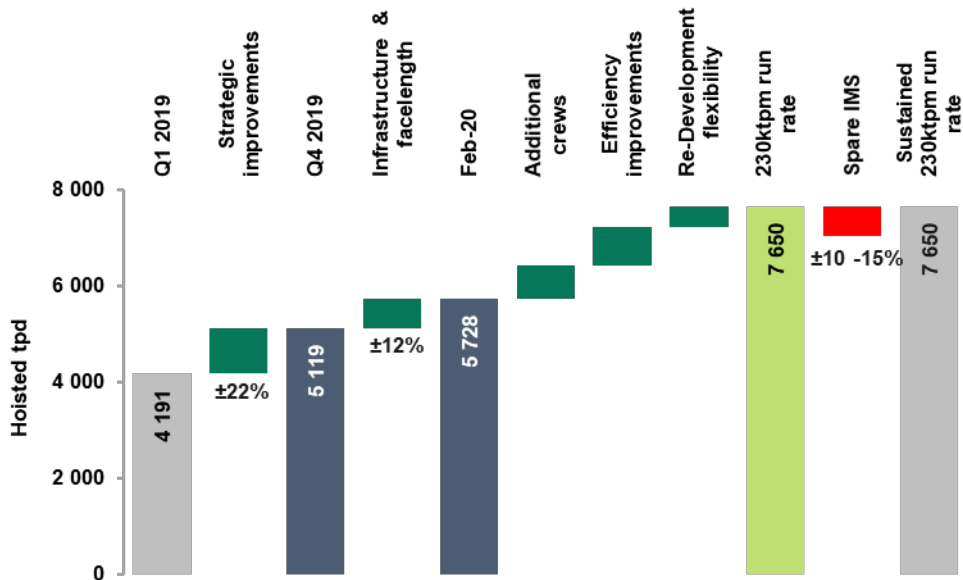
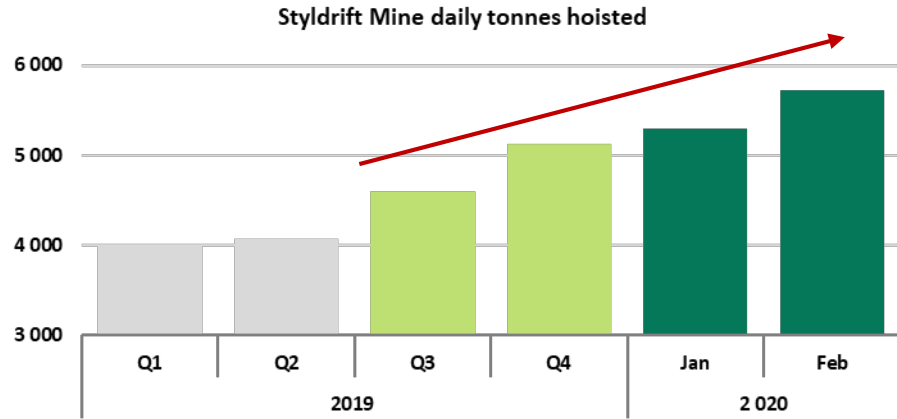
Sections	Total
Stoping	14
IMS sections	18
TNA with stoping crews	0
Spare sections	4

## Legend

- Conveyor Belts In Operation by end of 2020
- - - Conveyor Belts to be Constructed
- 2019 Full Year Footprint
- 2020 Full Year Footprint



# IN CONCLUSION – ROAD TO STEADY STATE



## Fundamentals unchanged

- High grade, long life
- Shallow
- Mechanized, low cost
- Near term



## Agile response to challenges

- Slow down
- De-Coupling
- Silo 4
- Constraint management



## Steady Build-Up to date

2017 – 2020



## World class asset

Proven infrastructure to underpin sustained steady state production

