Westwood Tour
December 2016

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All information included in this presentation, including any information as to the Company's future financial or operating performance, and other statements that express management's expectations or estimates of future performance, other than statements of historical fact, constitute forward looking information or forward-looking statements and are based on expectations, estimates and projections as of the date of this presentation. Forward-looking statements contained in this presentation include, without limitation, statements with respect to: the Company's guidance for production, cash costs, all-in sustaining costs, depreciation expense, effective tax rate, and operating margin, capital expenditures, operations outlook, cost management initiatives, development and expansion projects, exploration, the future price of gold, the estimation of mineral reserves and mineral resources, the realization of mineral reserve and mineral resource estimates, the timing and amount of estimated future production, costs of production, permitting timelines, currency fluctuations, requirements for additional capital, government regulation of mining operations, environmental risks, unanticipated reclamation expenses, title disputes or claims and limitations on insurance coverage. Forward-looking statements are provided for the purpose of providing information about management's current expectations and plans relating to the future. Forward-looking statements are generally identifiable by, but are not limited to the, use of the words "may", "will", "should", "continue", "expect", "anticipate", "estimate", "believe", "opportunities", "intend", "plan", "possible", "suggest", "guidance", "outlook", "potential", "prospects", "seek", "targets", "strategy" or "project" or the negative of these words or other variations on these words or comparable terminology. Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by management, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The Company cautions the reader that reliance on such forward-looking statements involve risks, uncertainties and other factors that may cause the actual financial results, performance or achievements of IAMGOLD to be materially different from the Company's estimated future results, performance or achievements expressed or implied by those forward-looking statements, and the forward-looking statements are not guarantees of future performance. These risks, uncertainties and other factors include, but are not limited to, changes in the global prices for gold, copper, silver or certain other commodities (such as diesel and electricity); changes in U.S. dollar and other currency exchange rates, interest rates or gold lease rates; risks arising from holding derivative instruments; the level of liquidity and capital resources; access to capital markets, and financing; mining tax regimes; ability to successfully integrate acquired assets; legislative, political or economic developments in the jurisdictions in which the Company carries on business; operating or technical difficulties in connection with mining or development activities; laws and regulations governing the protection of the environment; employee relations; availability and increasing costs associated with mining inputs and labour; the speculative nature of exploration and development, including the risks of diminishing quantities or grades of reserves; adverse changes in the Company's credit rating; contests over title to properties, particularly title to undeveloped properties; and the risks involved in the exploration, development and mining business. With respect to development projects, IAMGOLD's ability to sustain or increase its present levels of gold production is dependent in part on the success of its projects. Risks and unknowns inherent in all projects include the inaccuracy of estimated reserves and resources, metallurgical recoveries, capital and operating costs of such projects, and the future prices for the relevant minerals. Development projects have no operating history upon which to base estimates of future cash flows. The capital expenditures and time required to develop new mines or other projects are considerable, and changes in costs or construction schedules can affect project economics. Actual costs and economic returns may differ materially from IAMGOLD's estimates or IAMGOLD could fail to obtain the governmental approvals necessary for the operation of a project; in either case, the project may not proceed, either on its original timing or at all.

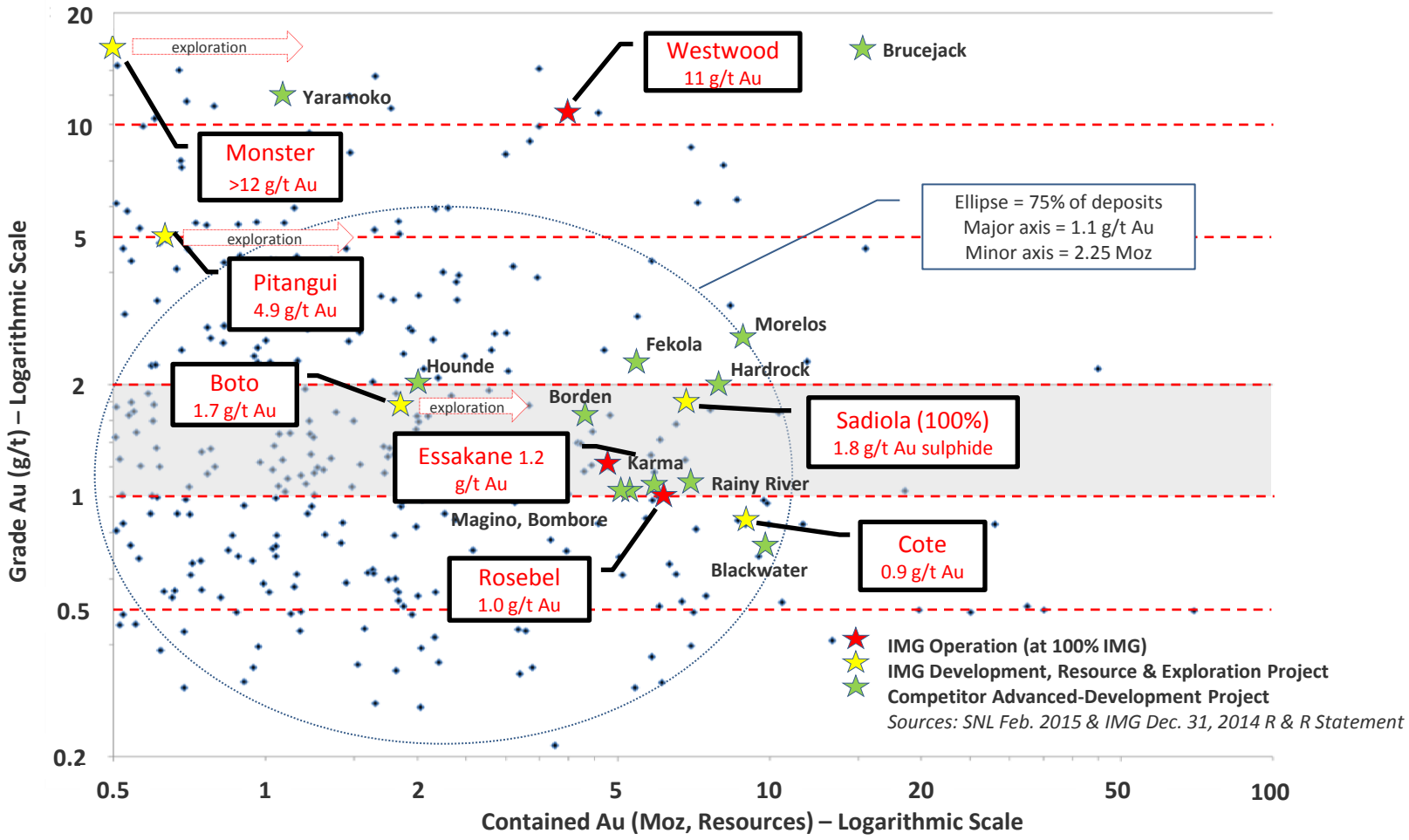
For a more comprehensive discussion of the risks faced by the Company, and which may cause the actual financial results, performance or achievements of IAMGOLD to be materially different from the company's estimated future results, performance or achievements expressed or implied by forward-looking information or forward-looking statements, please refer to the Company's latest Annual Information Form, filed with Canadian securities regulatory authorities at www.sedar.com, and filed under Form 40-F with the United States Securities Exchange Commission at www.sec.gov/edgar.shtml. The risks described in the Annual Information Form (filed and viewable on www.sedar.com and www.sec.gov/edgar.shtml, and available upon request from the Company) are hereby incorporated by reference into this presentation.

The Company disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise except as required by applicable law.

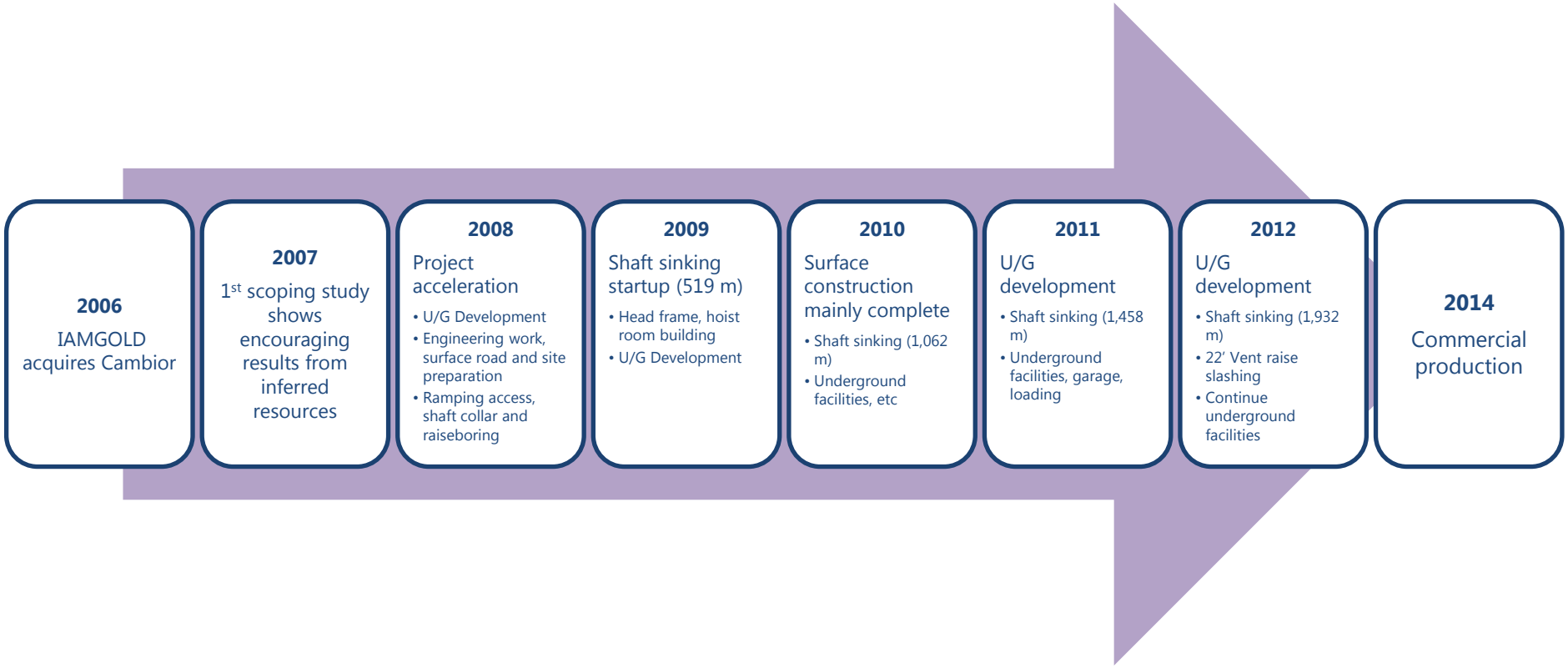
Presentation Outline

1. Westwood Overview
2. 2016 Highlights
3. Geological Overview/Resources
4. Seismicity
5. 5-Year Plan
6. Opportunities

Project Comparisons

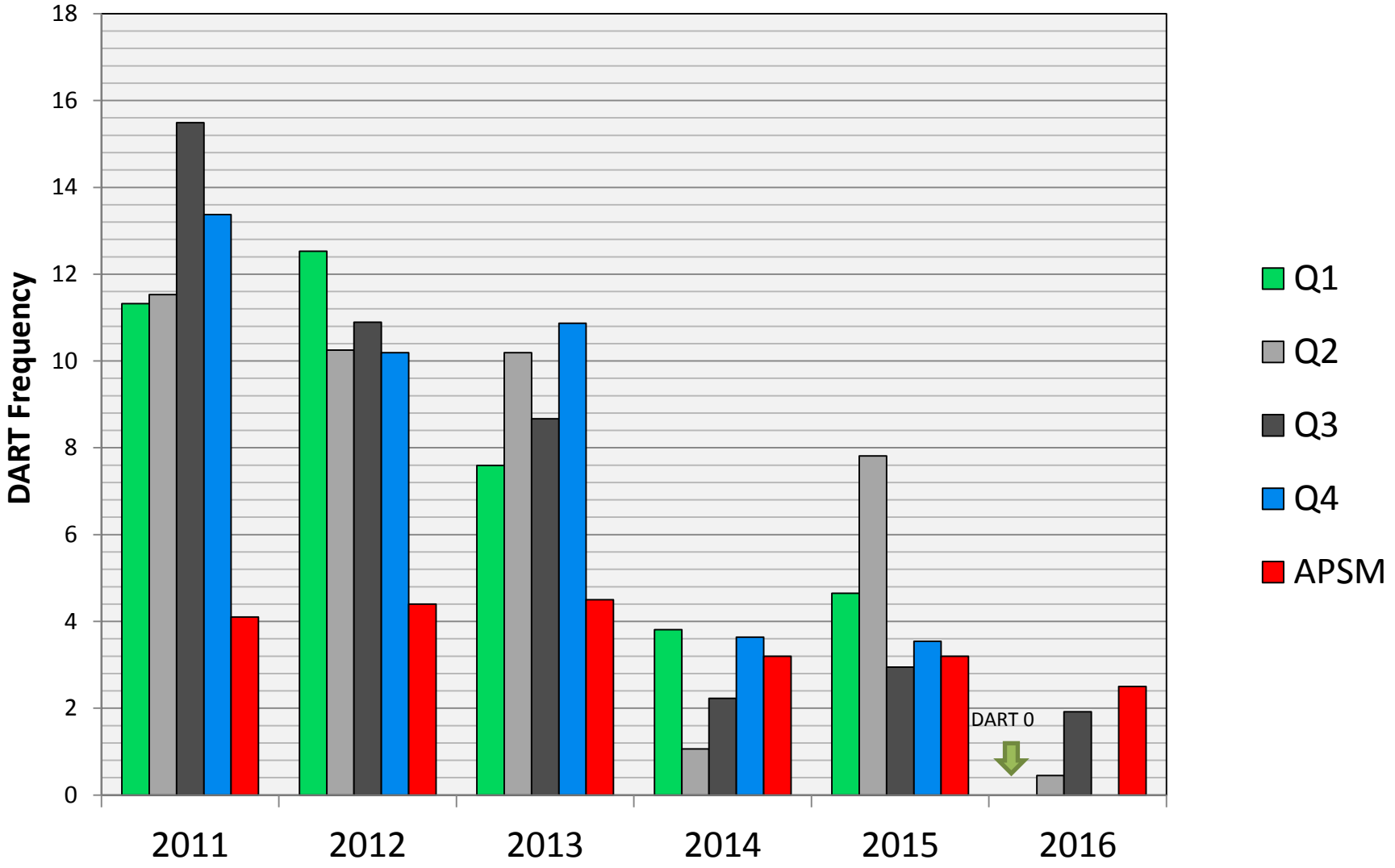


Doyon-Westwood Project History



2016 Highlights

Health and Safety Improvements

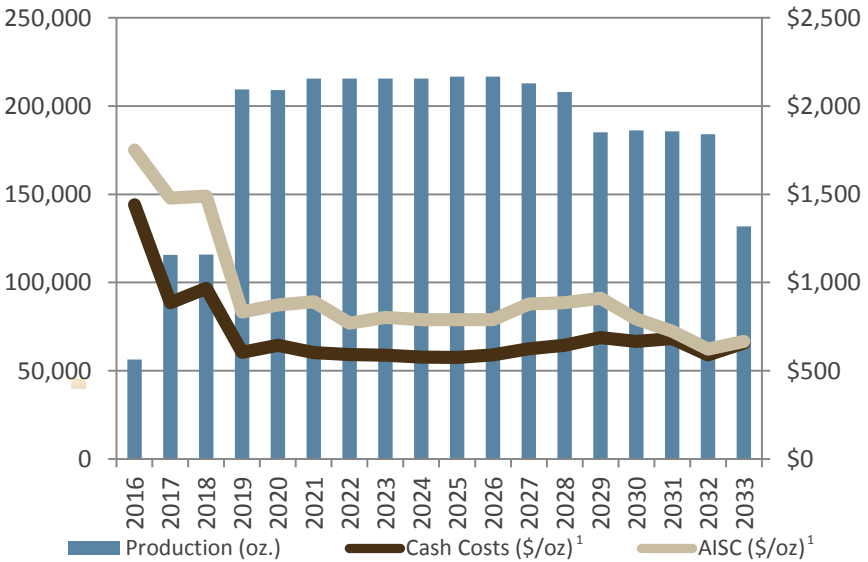


APSM = Quebec Mining Association average frequency
DART = Days Away, Restricted or Transferred (per 200 000 h)

Westwood – Quebec (100%)

	Q3 2015	**Q3 2016**
Attributable gold production	2,000	**16,000**
Head grade	6.11	**6.47**
All-in sustaining costs[1,2] ($/oz)	$1,751	**$1,391**
Total cash costs[1,2] ($/oz)	$1,438	**$888**

Westwood 2015 LOM Forecast



Q3 2016 Highlights

- Production from planned mining blocks on schedule
- Underground development work to open up new mining areas progressing on schedule
- All of the five by-pass drifts providing access to the 104 mining block are now open; expect to begin milling in 2017

❖ **Expect to continue normalization of costs until end of Q1 2017**

1 This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information.
2 AISC and Cash Costs for Q3'15 and Q3'16 reflect $15.0M and $6.3M, respectively, in inventory adjustments to normalize costs.

Westwood Development – Progress Update as of Sept. 30, 2016

	Key Performance Indicators	YTD Target	YTD Actual	Variance
Safety	DART Rate*	3.30	**0.8**	**-75%**
	TRIR+	8.8	**8.0**	**-9%**
Development (m)	Underground lateral development	16,684	**16,899**	**1%**
	Underground vertical development	3,080	**2,138**	-31%
	Total development	19,764	**19,037**	-4%
	Development rate/jumbo	8.1m/day	**9.0m/day**	**11%**
	Cost/lateral development meter (CAD$/m)	2,356	**2,502**	6%
Milling	Throughput (000s t)	252.9	**257.7**	**2%**
	Grade (g/t)	5.12	**6.12**	**20%**
	Gold produced (oz)	40,000	**47,355**	**18%**
	Gold sold (oz)	40,000	**50,284**	**26%**
Costs	Cash costs[1,2] ($US/oz)	960	**900**	**-6%**
	AISC[1,2] ($US/oz)	1,322	**1,146**	**-13%**
	Mining cost ($US/t hoisted)	201	**196**	**-2%**

Total development rate tracking close to target

Gold production & sales have exceeded expectations due to better grades

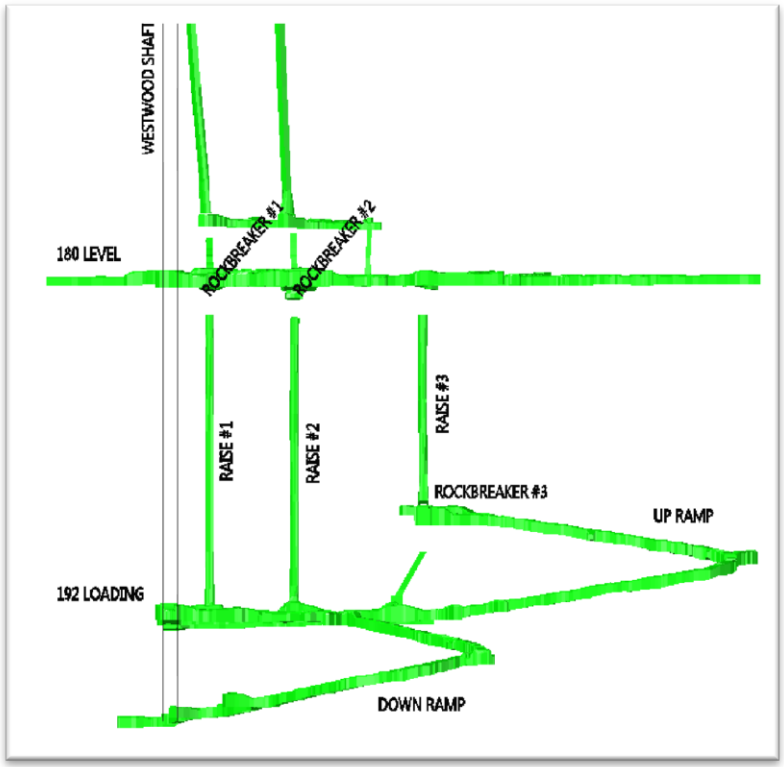
1 This is a non-GAAP measure. Refer to the non-GAAP performance measures section of the MD&A for more information
2 Actual AISC and Cash Costs for Q3'16 YTD reflect $17.0M in inventory adjustments to normalize costs.
* DART = Days and Restricted Time Injuries.
\+ TRIR = Total Recordable Injury Rate.

Development Update: 104 Re-opening

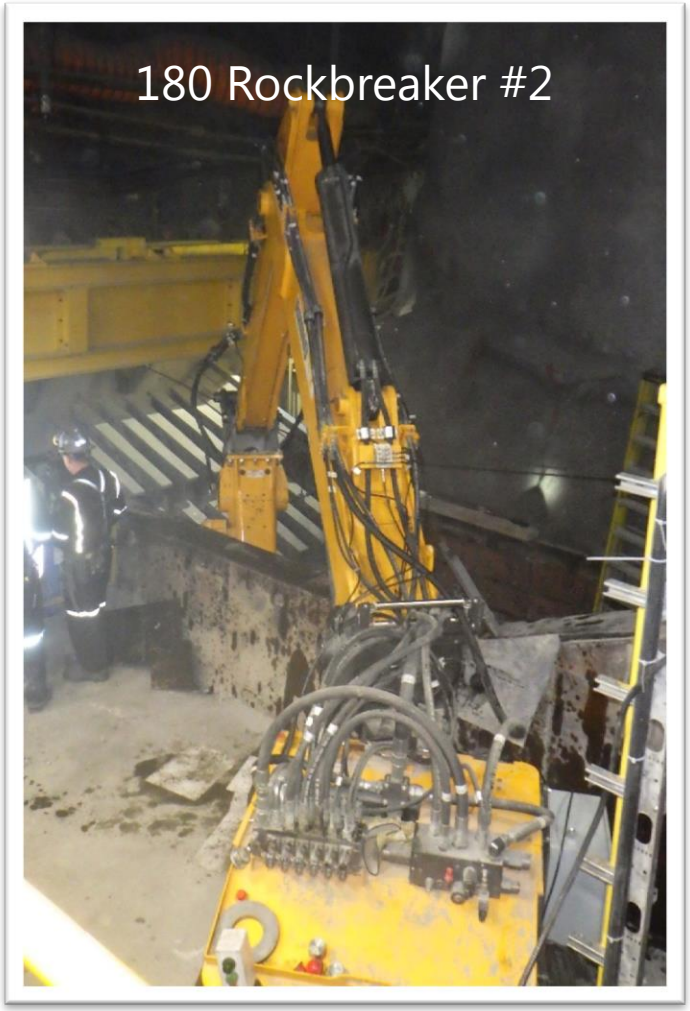
- All by-pass drifts complete; all rehabilitation zones accessible
- 15 vehicles recovered (value of = $4.5M CAD)
- All damaged areas inspected by external consultant
- Final rehabilitation and backfill sequences in progress
- Analysis of mining sequence in progress
- Discussions in progress with CNESST with respect to approval to resume work
- Production to resume following CNESST approval, expected in 2017
- Regular external reviews scheduled to monitor geomechanical parameters

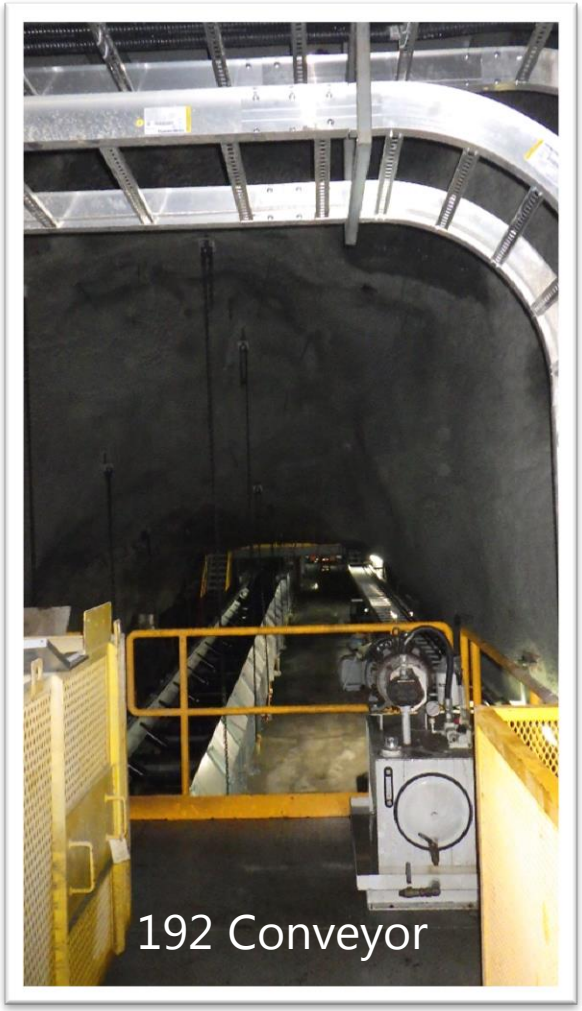
Development Update: 180 Rockbreaker/192 Loading

- Project Scope:
  - › Loading 192
  - › Rockbreaker #1 & #2 on level 180
  - › Rockbreaker #3 on top of ramp on level 192
  - › Casing Orepass #1 between levels 180 and 192
- Commissioning loading Q4 2016
- Allows greater development capacity from 156 and 180 horizons (essential to Westwood ramp-up)
- Provides contingency to 140-level system
- Design improves system efficiency and geotechnical stability
- Design allows for muck handling from expansion at depth



Development Update: 180 Rockbreaker/192 Loading





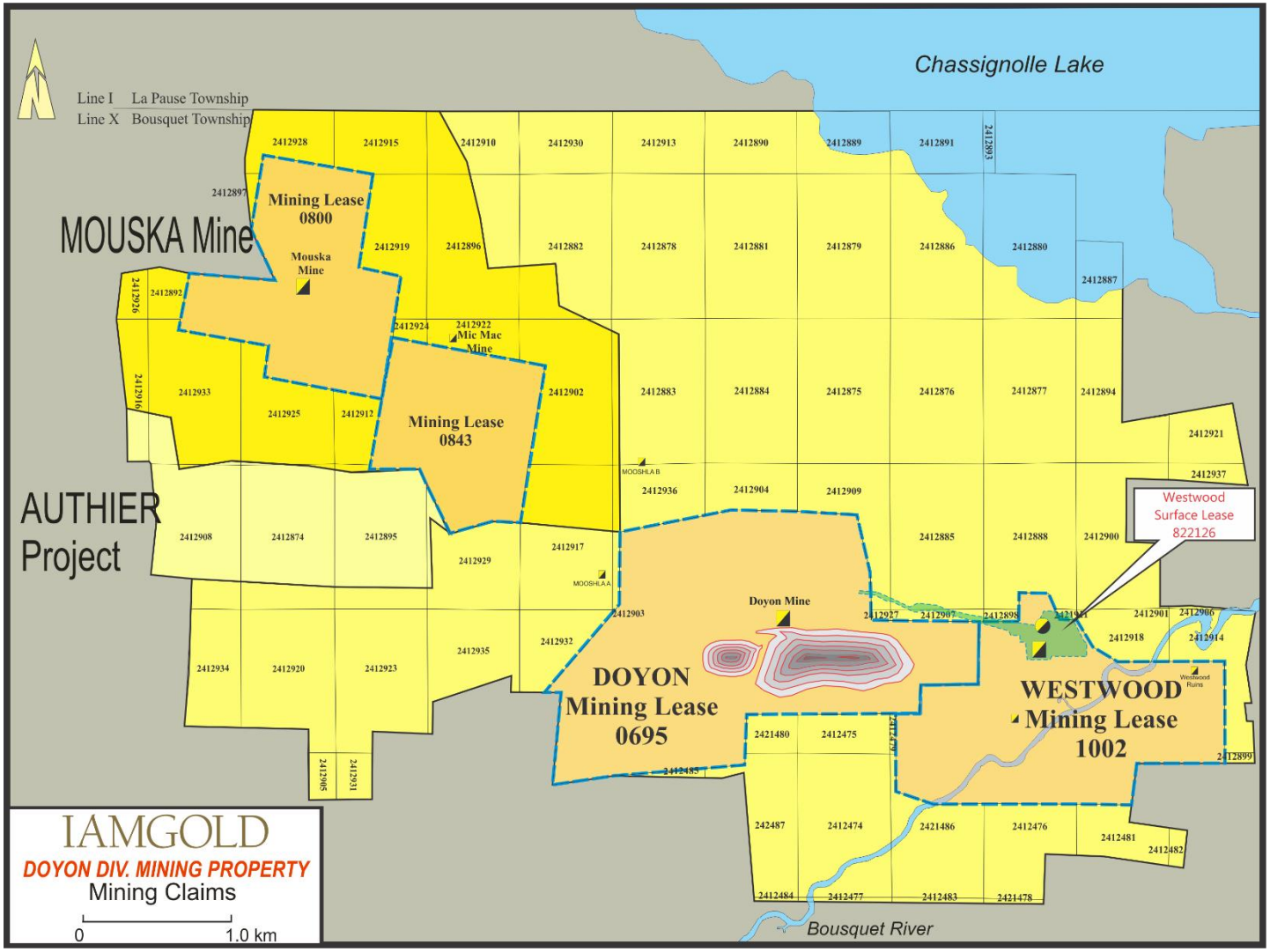
Development Update: Battery Scoops

- **Extensive testing program in place prior to selection**
  - 2014: 1 prototype tested
  - 2016: 3 models tested (different suppliers)
  - Next test scheduled Q4 2016

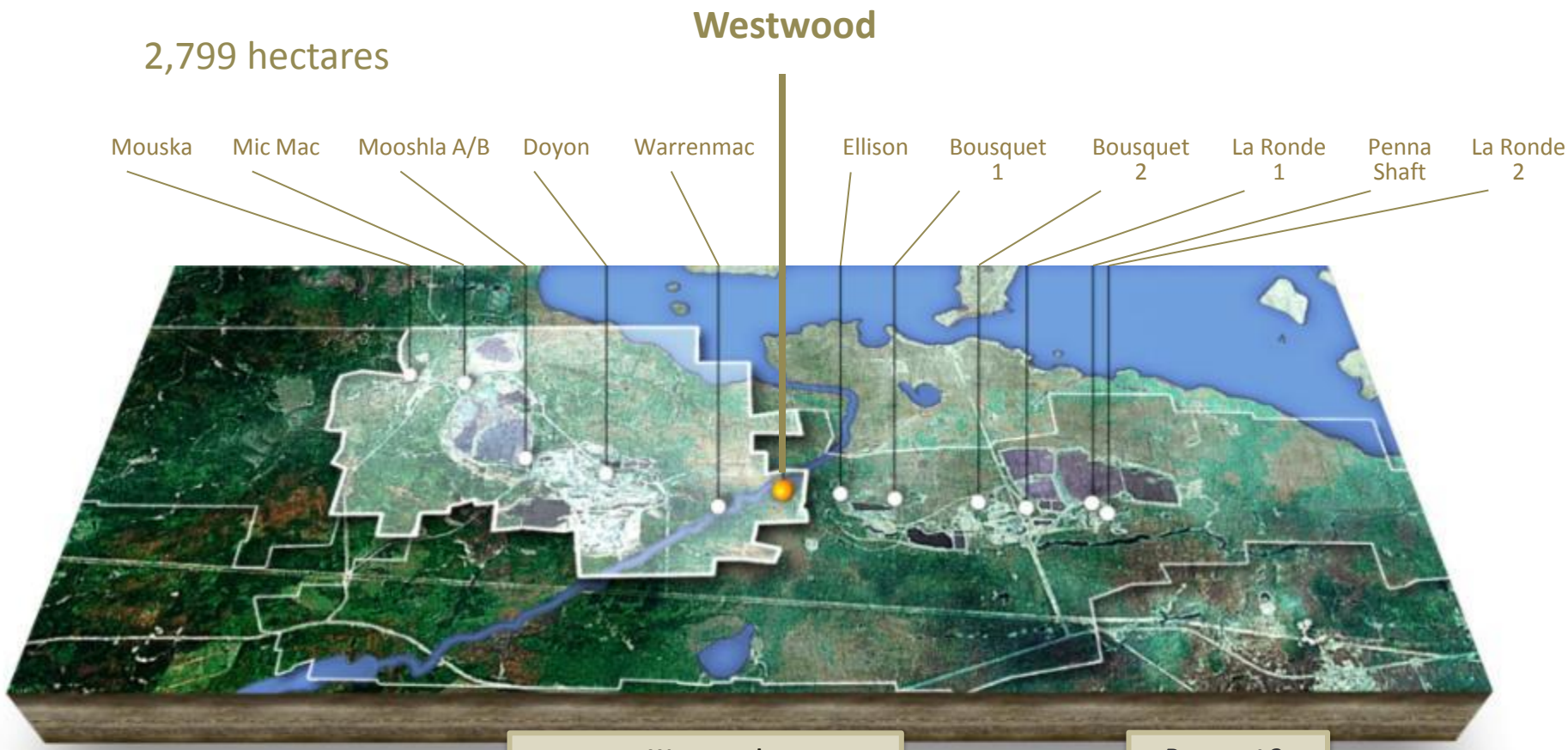
- **Key selection criteria:**
  - Charge life and recharge process
  - Reliability
  - Efficiency
  - Ease of operation and operator comfort

Geology and Resources

Location


Chassignolle Lake
Line I La Pause Township
Line X Bousquet Township
MOUSKA Mine
Mining Lease 0800
Mouska Mine
Mic Mac Mine
Mining Lease 0843
AUTHIER Project
Westwood Surface Lease 822126
Doyon Mine
DOYON Mining Lease 0695
WESTWOOD Mining Lease 1002
Bousquet River
IAMGOLD
DOYON DIV. MINING PROPERTY
Mining Claims
0
1.0 km

Location



Mouska
2.44 Mt @ 13 g/t
1 Moz Au
(+ Cu)

Doyon
34.1 Mt @ 5.45 g/t
6.0 Moz Au

Westwood
M+I
1.92 Mt @ 12.0 g/t **0.739 Moz Au**
Inferred:
7.55 Mt @ 11.3 g/t **2.7 Moz Au**

Bousquet 1
22.7 Mt
@ 3.5 g/t
2.5 Moz Au

Bousquet 2-Dumagami
17.6 Mt
@ 7.5 g/t
4.3 Moz Au

LaRonde Penna
71 Mt @ 3.9 g/t
9 Moz Au
(+ Zn-Cu-Ag)

14 km

Westwood Project Geological History

Mouska
2.44 Mt @ 13 g/t
1 Moz Au
(+ Cu)

Doyon
34.1 Mt @ 5.45 g/t
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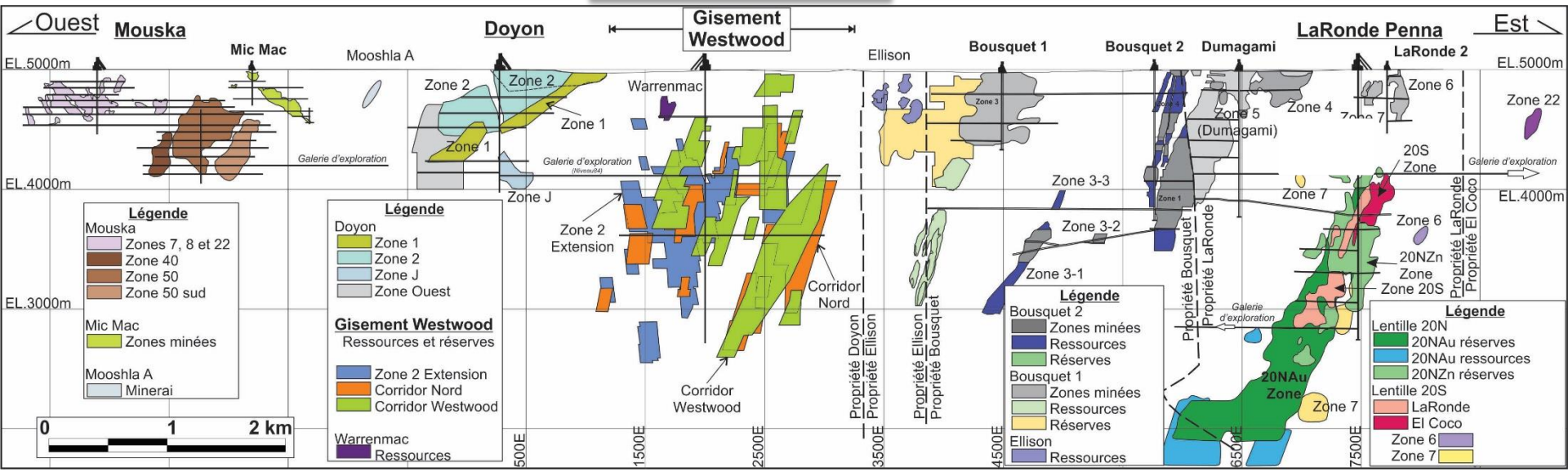


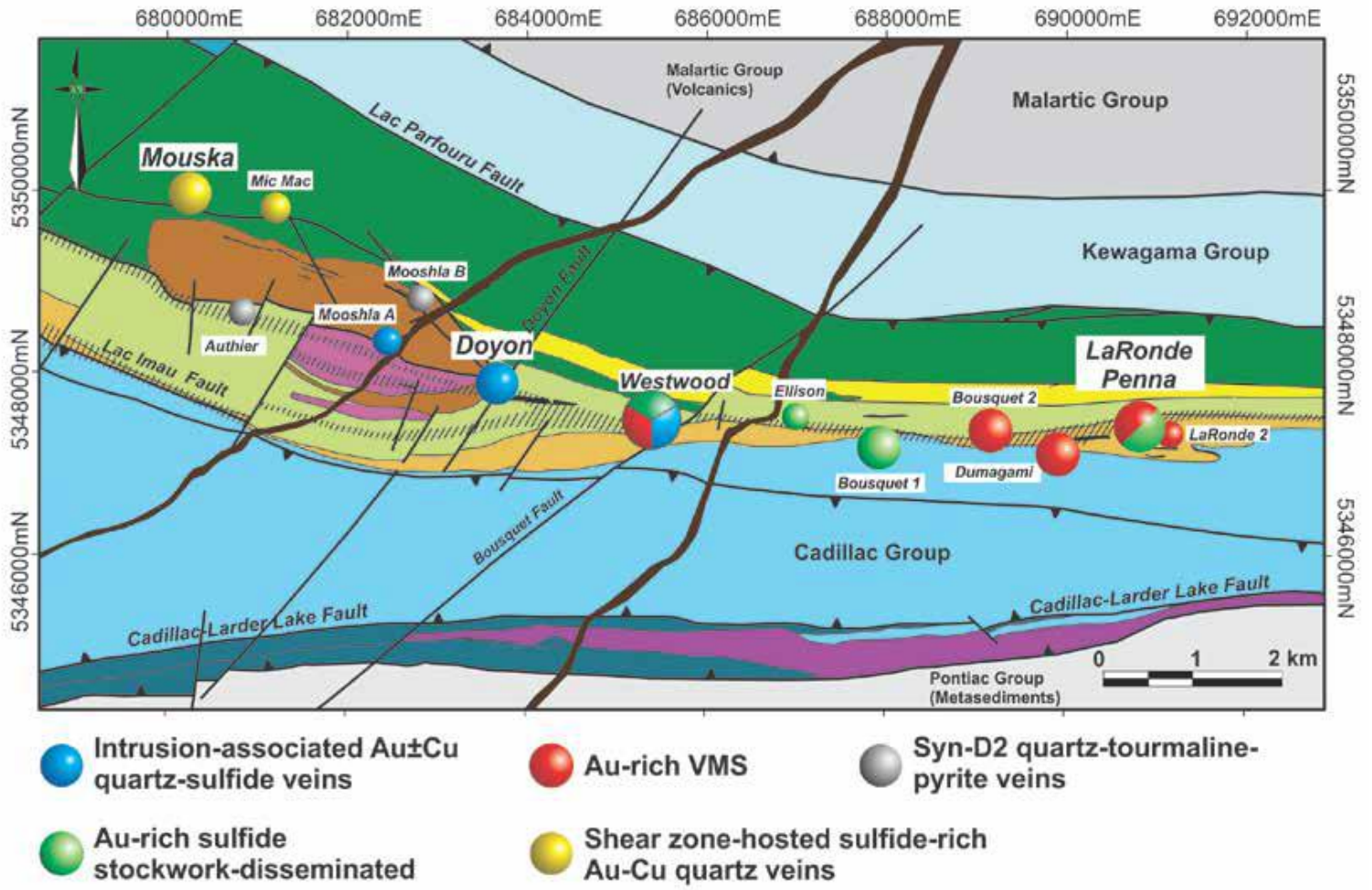
Modified from Mercier-Langevin (2014 - unpublished)

± 164 Mt for 26.2 Moz Au over 12 km

Geology and Mineralization

Doyon-Bousquet - LaRonde Mining Camp

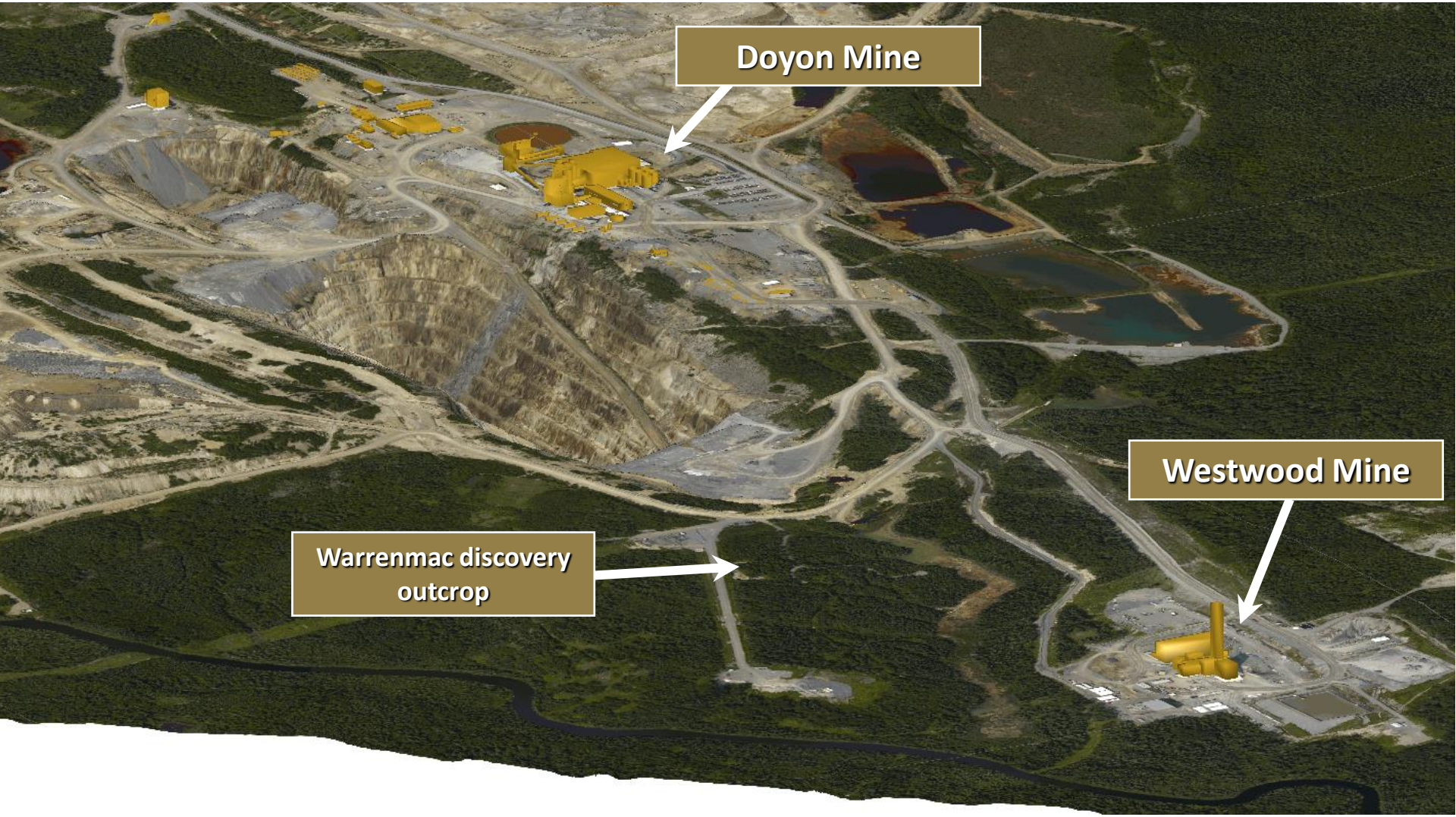
Bousquet Fm. : 2699-2696 Ma



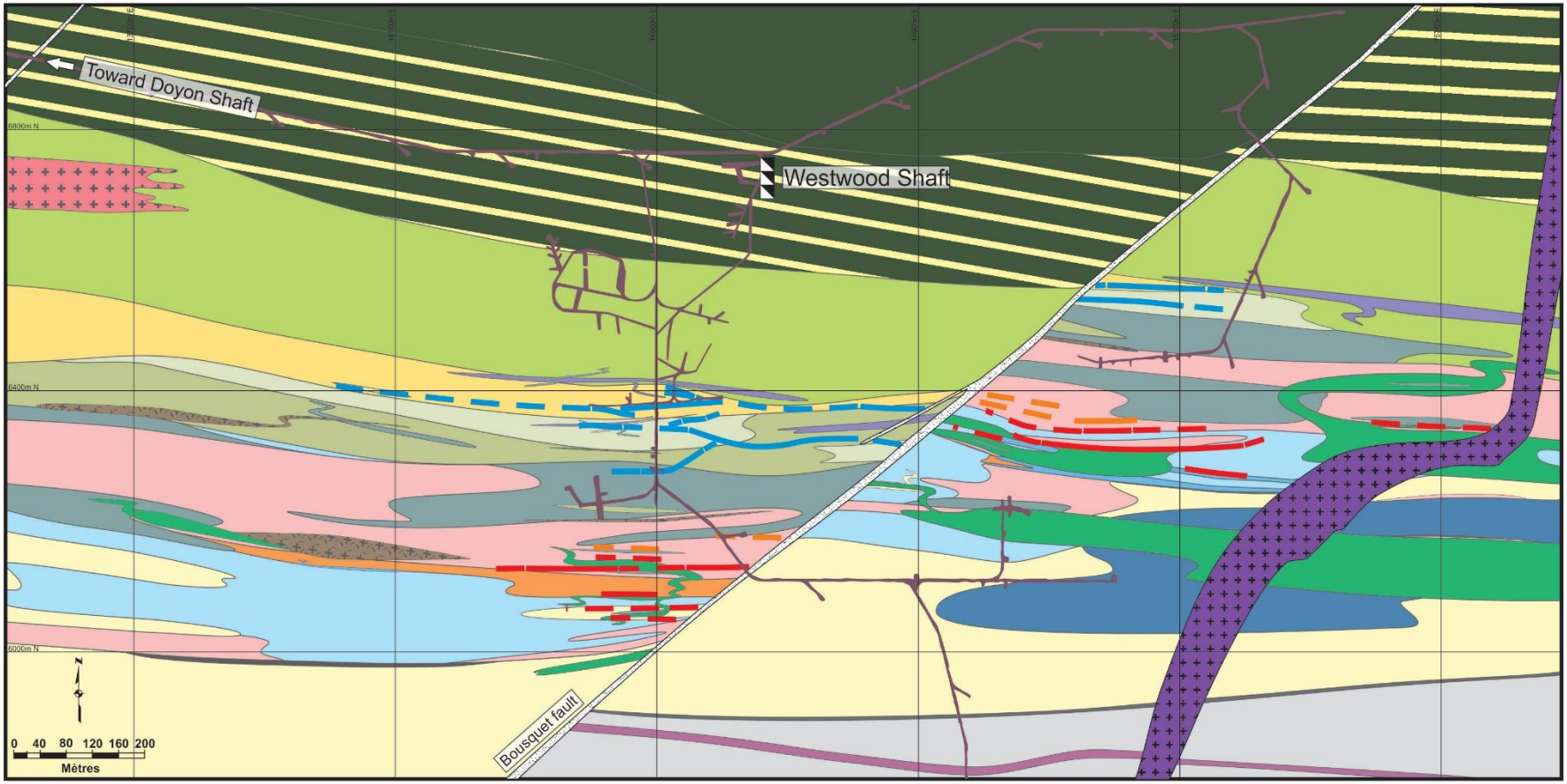
Upper greenschist / lower amphibolite

From Mercier-Langevin et al. (2012)

Surface View



Westwood Geology: Level 084 Plan View



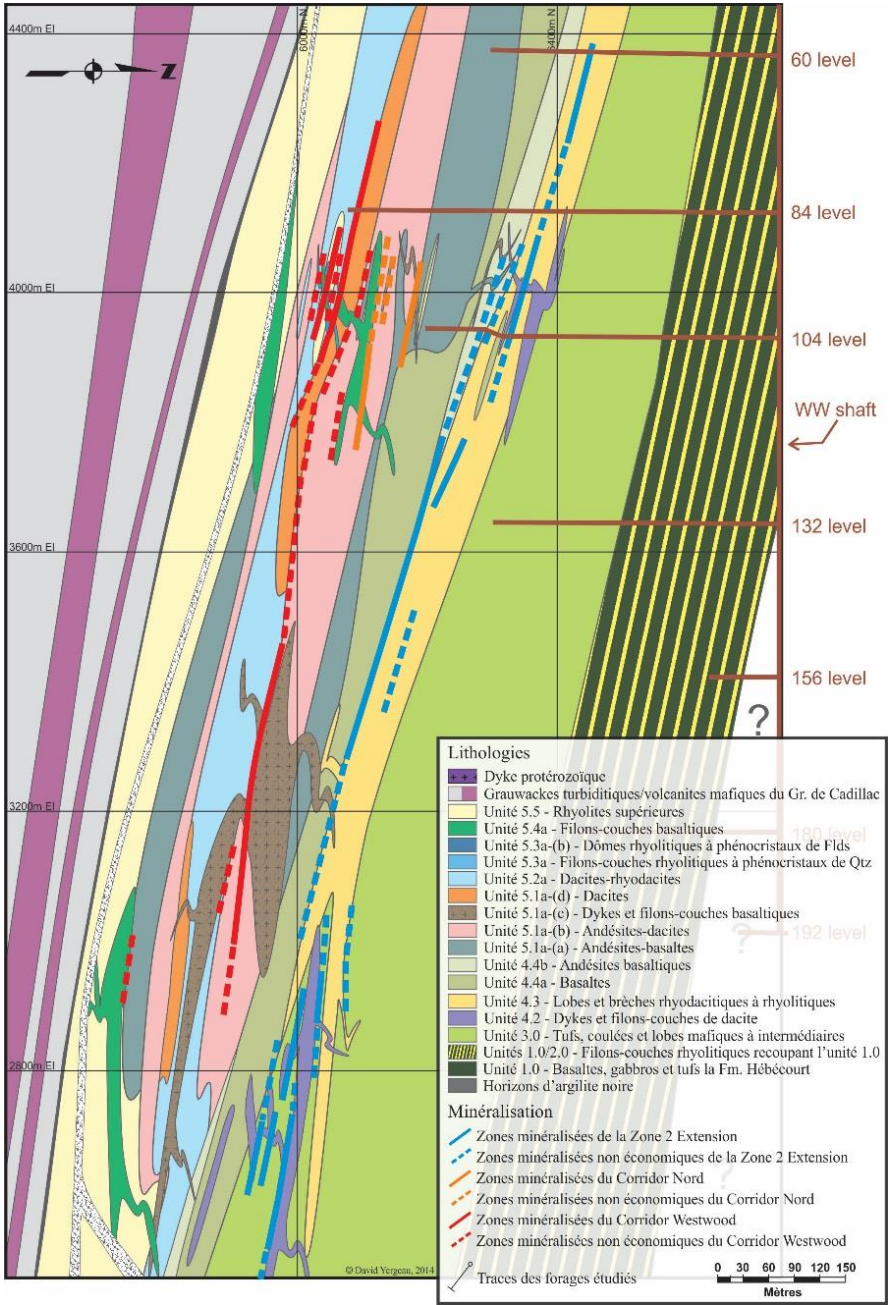
Lithologies

- Dyke protérozoïque
- Grauwackes turbiditiques/volcanites mafiques du Groupe de Cadillac
- Trondhjémites - Phase tardive du pluton de Mooshla
- Unité 5.5 - Rhyolites supérieures
- Unité 5.4a - Filons-couches d'andésite basaltique
- Unité 5.3a-(b) - Dômes rhyolitiques à porphyres de Flds
- Unité 5.3a - Filons-couches rhyolitiques à porphyres de Flds et de Qtz bleuté
- Unité 5.2a - Dacites-rhyodacites
- Unité 5.1a-(d) - Dacites
- Unité 5.1a-(c) - Dykes et filons-couches de basalte et andésite Tr. à Th.
- Unité 5.1a-(b) - Andésites-dacites
- Unité 5.1a-(a) - Andésites-basaltes
- Unité 4.4b - Andésites basaltiques
- Unité 4.4a - Basaltes
- Unité 4.3 - Lobes et brèches rhyodacitiques à rhyolitiques
- Unité 4.2 - Dykes et filons-couches de dacite
- Unité 3.0 - Tufs, coulées et lobes mafiques à felsiques
- Unité 1.0/2.0 - Filons-couches rhyolitiques recoupant l'unité 1.0
- Unité 1.0 - Basaltes, gabbros et tuf aphanitiques de la Fm. Hébécourt
- Horizons d'argilite noire

Minéralisation

- Zones minéralisées de la Zone 2 Extension
- Zones minéralisées non économiques de la Zone 2 Extension
- Zones minéralisées du Corridor Nord
- Zones minéralisées non économiques du Corridor Nord
- Zones minéralisées du Corridor Westwood
- Zones minéralisées non économiques du Corridor Westwood
- Galeries souterraines
- Traces des forages subhorizontaux étudiés

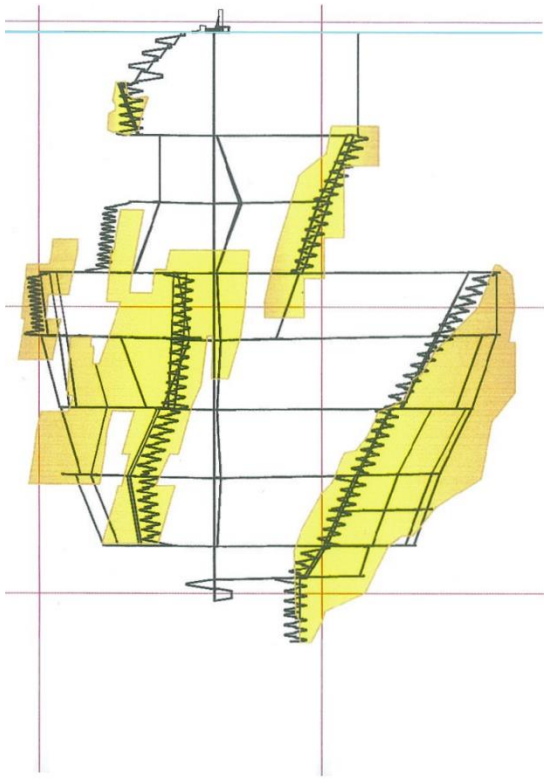
Westwood Geology – Cross Section View



Westwood Geology – Cumulative Diamond Drilling

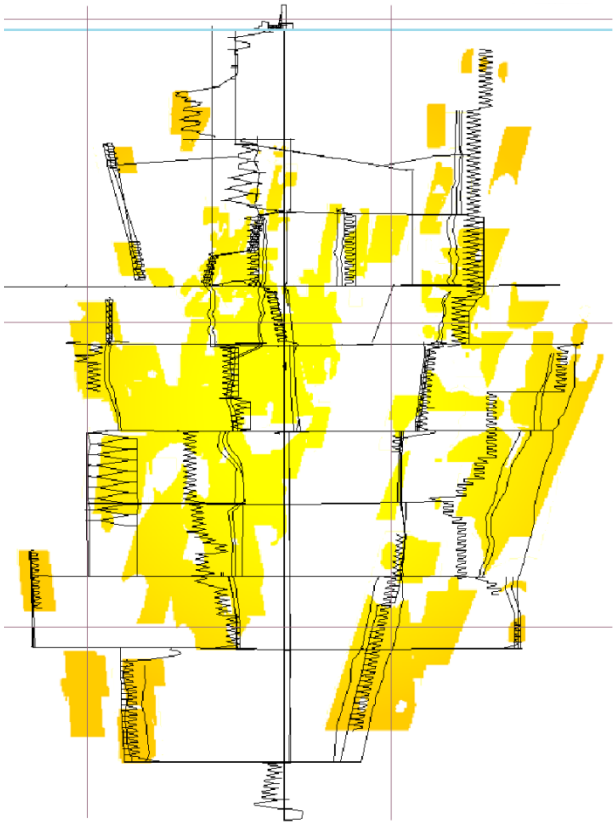
2007

21,000m DDrilling



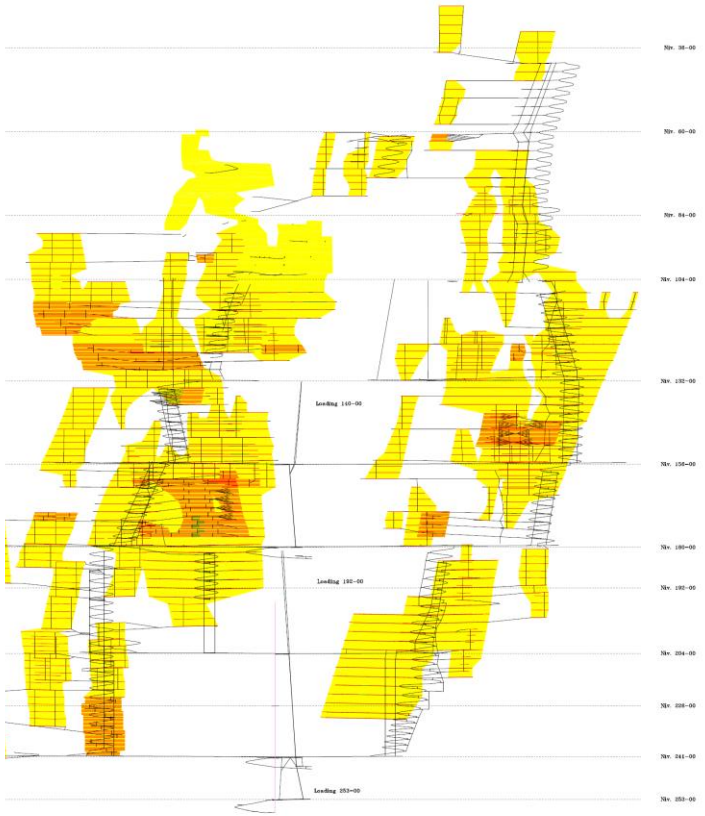
2012

458,000m Ddrilling



2016E

>750,000m DDrilling



2007

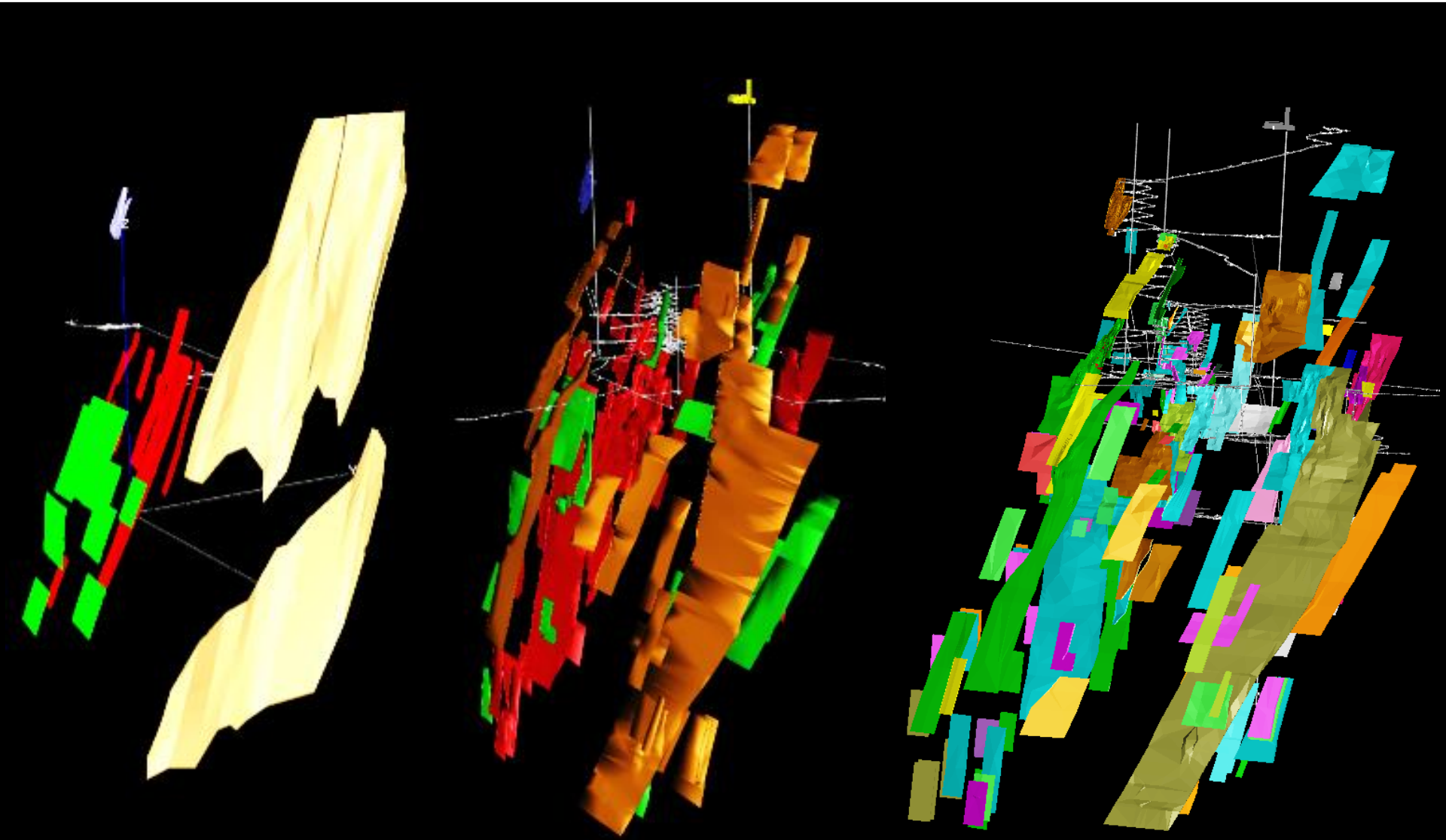
28 mineralized ore veins

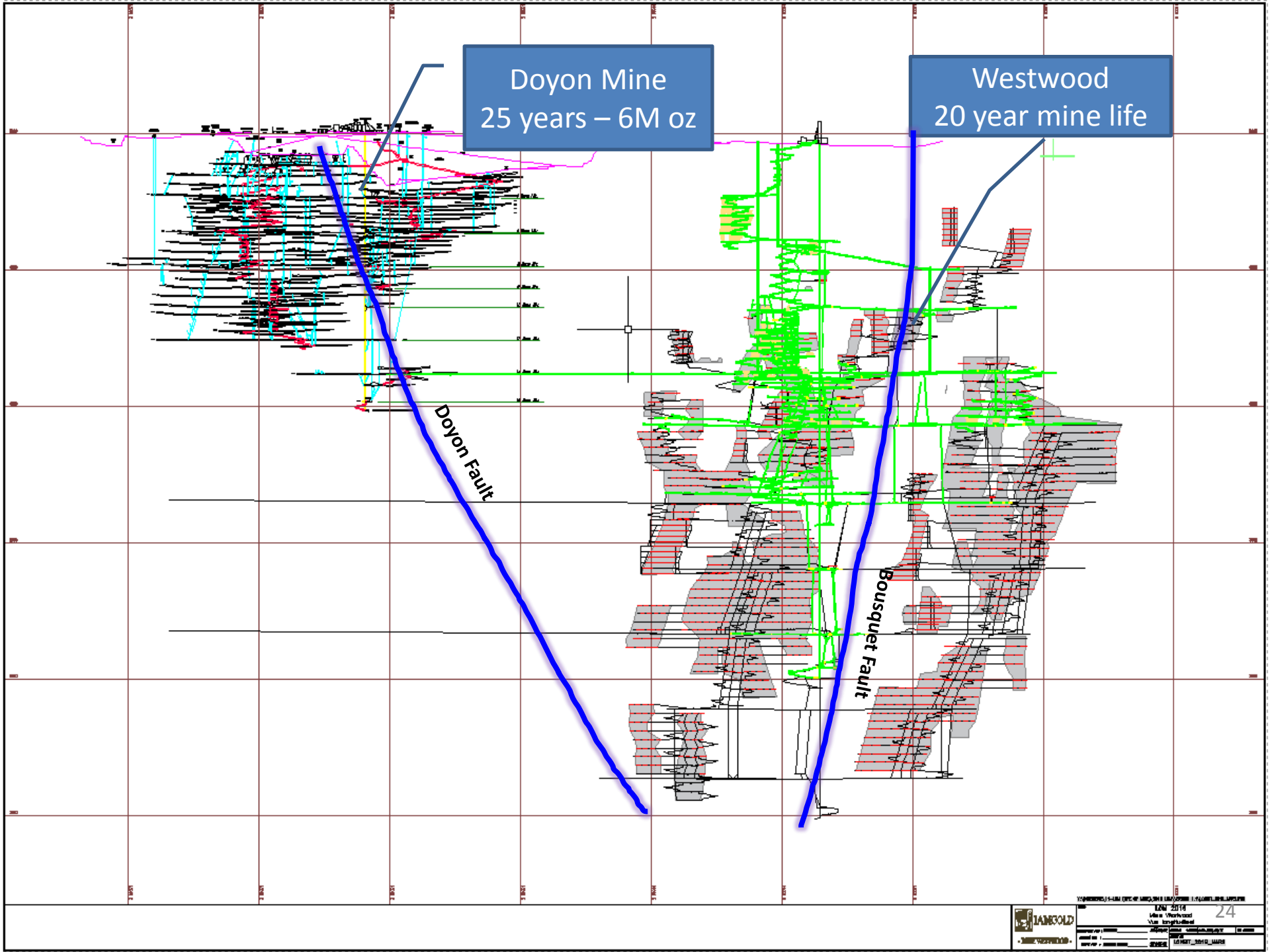
2012

135 mineralized ore veins

2016

147 mineralized ore veins




Doyon Mine
25 years – 6M oz
Westwood
20 year mine life
Doyon Fault
Bousquet Fault

Westwood 2015 Reserves and Resources[1]

As of December 31, 2015	Tonnes	Grade (g/t Au)	Contained Ounces
Proven	744,000	7.5	180,000
Probable	1,718,000	7.6	418,000
Total Reserves[2]	**2,462,000**	**7.6**	**598,000**
Measured	466,000	12.7	190,000
Indicated	1,450,000	11.8	549,000
Total Measured & Indicated[2,3,4]	1,916,000	12.0	739,000
Total Inferred	**7,546,000**	**11.3**	**2,747,000**

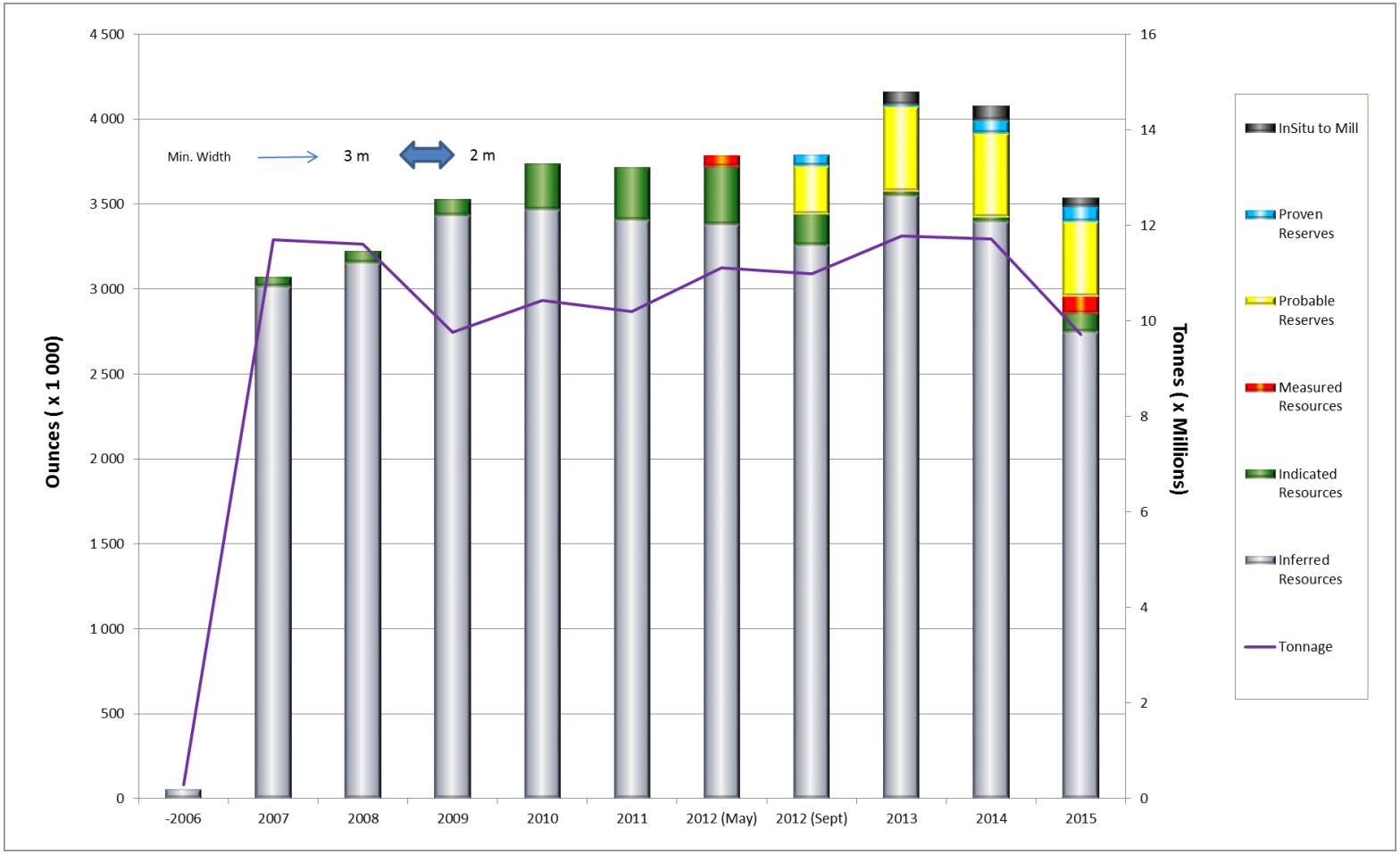
1 Detail behind the gold price assumptions used to determine reserves and resources can be found in the Reserves and Resources section of the Company's MD&A for the year ending December 31, 2015.
2 Mineral reserves were estimated using a $1,200/oz gold price and mineral resources have been estimated using a 6.0 g/t Au cut-off over a minimum width of 2 metres and have been estimated in accordance with NI 43-101.
3 Measured and indicated gold resources are inclusive of proven and probable reserves.
4 In mining operations, measured and indicated resources that are not mineral reserves are considered uneconomic at the price used for reserves estimations, but are deemed to have a reasonable prospect of economic extraction.

Qualified Person/Quality Control Notes

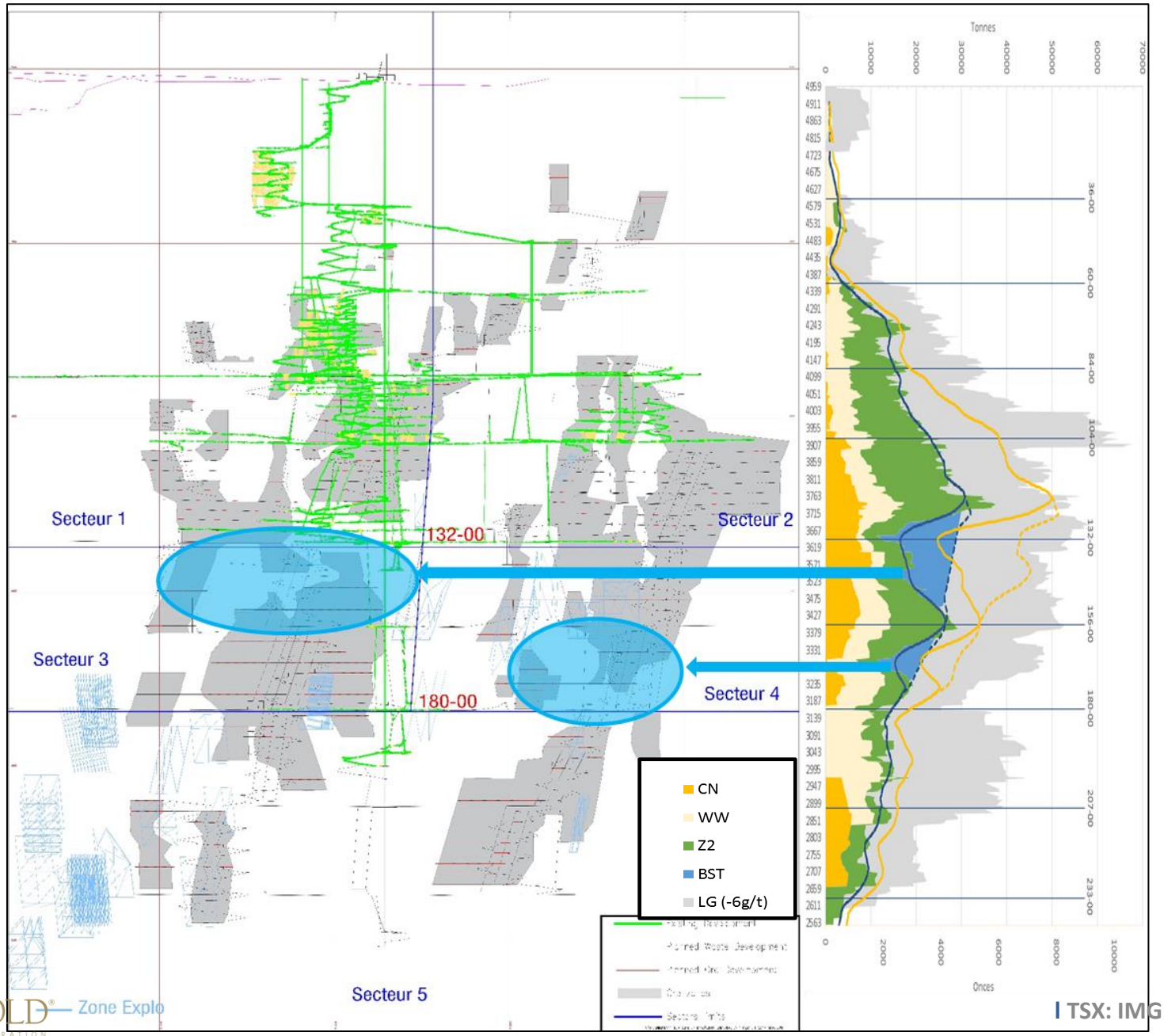
The mineral resource estimates contained in this news release have been prepared in accordance with National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101"). The "Qualified Person" responsible for the supervision of the preparation and review of all resource and reserve estimates for IAMGOLD is Lise Chenard, Eng., Director, Mining Geology. Lise has worked in the mining industry for more than 30 years, mainly in operations, project development and consulting. She joined IAMGOLD in April 2013 and acquired her knowledge of the Company's operations and projects through site visits, information reviews and ongoing communication and oversight of mine site technical service teams or consultants responsible for resource and reserve modeling and estimation.

She is considered a "Qualified Person" for the purposes of NI 43-101 with respect to the mineralization being reported on. The technical information has been included herein with the consent and prior review of the above noted Qualified Person. The Qualified person has verified the data disclosed, and data underlying the information or opinions contained herein.

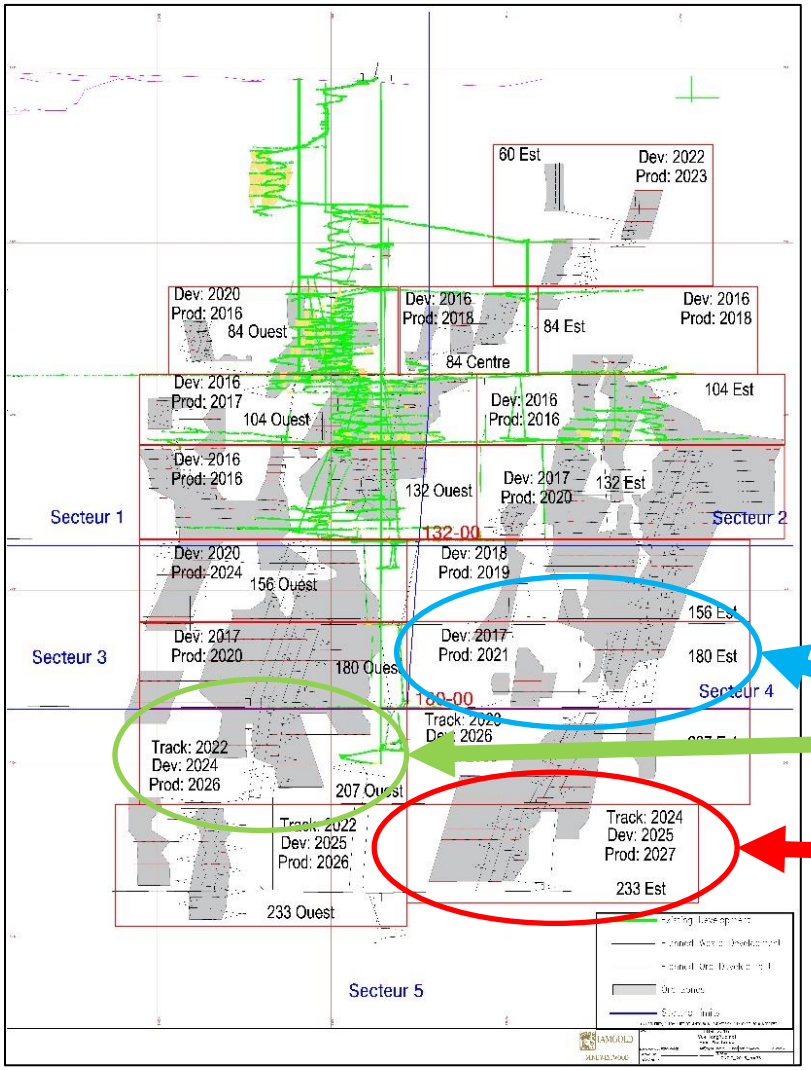
Geological Resources Evolution



Ounces Per Vertical Meter



Potential Resource Upside



- Planning for several domains is affected by the gaps in current resource model.
- Further drilling and resource conversion is expected to improve the production plan in the outer years due to economies of scale (shared infrastructure).
- Mining plans are kept flexible in these area in order to respond rapidly to any changes

180-00 East

207-00 West

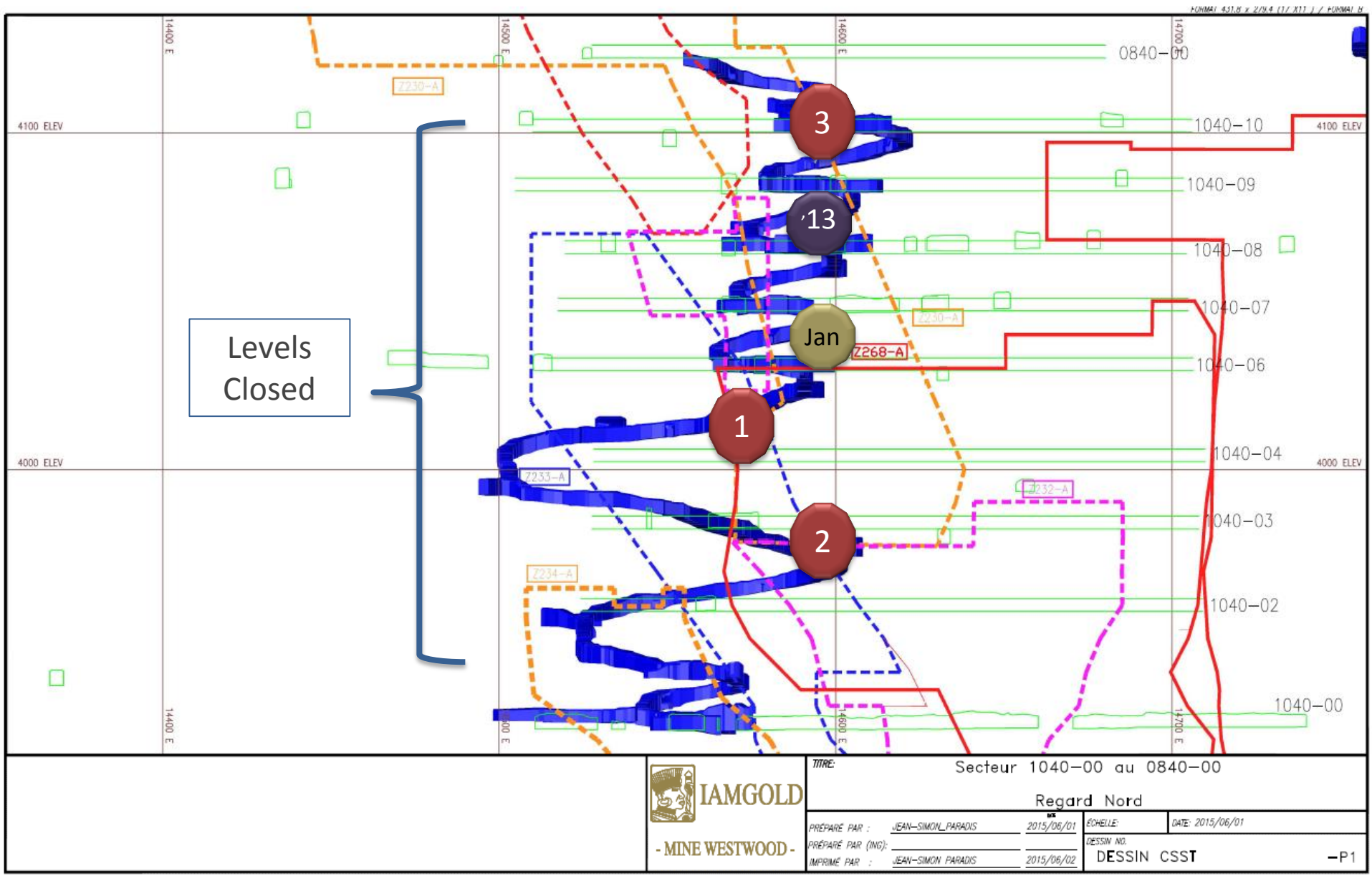
233-00 East

Seismicity

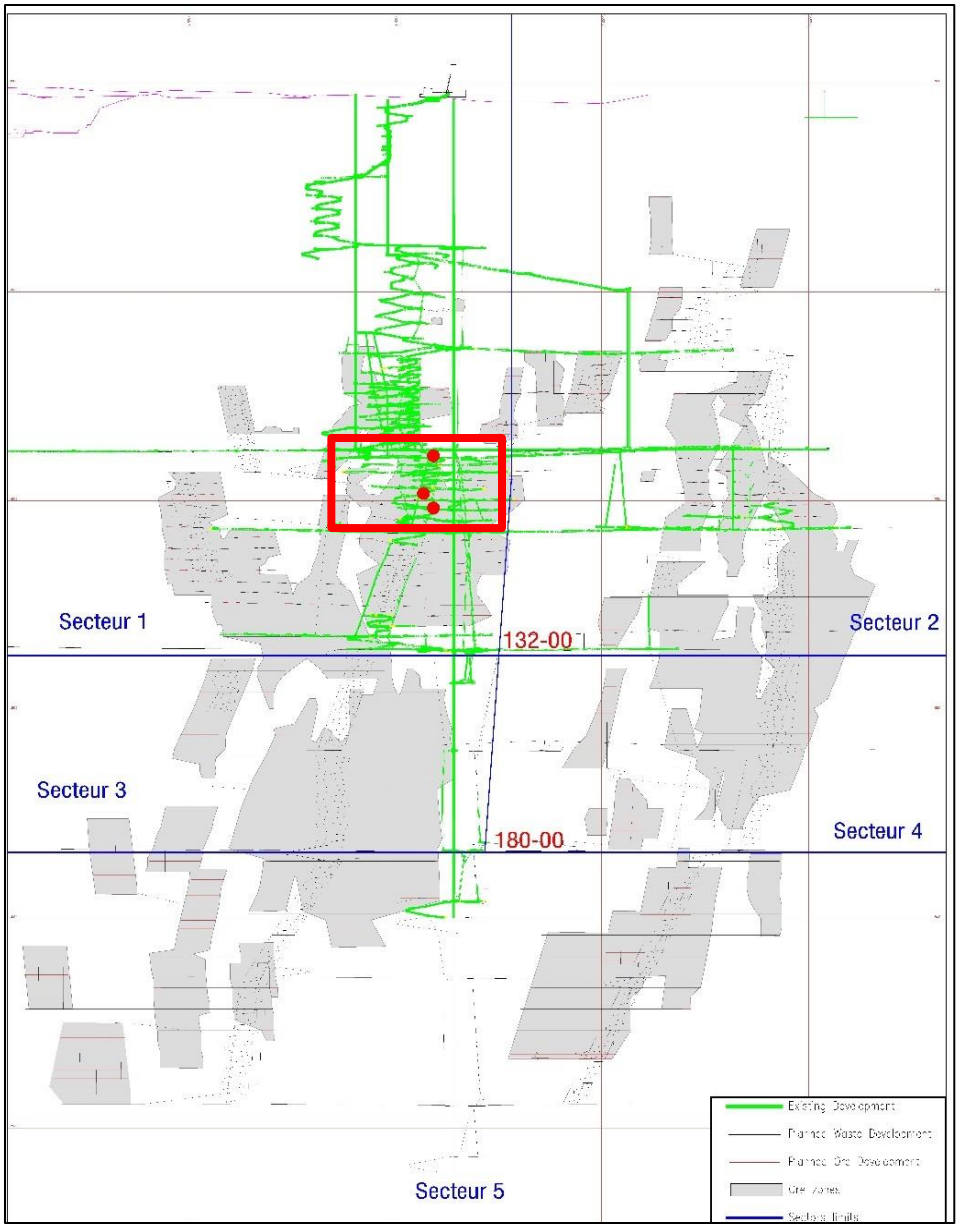
Timeline of Major Seismic Events

Date	Time	Location	Local Moment Magnitude	Regional Magnitude (M_R)	NRCan Magnitude (M_N)
2013-08-31	17:38	104-08*	N/A	1.4	2.2
	17:39	104-08*	N/A	2.4	3.0
2014-12-12	5:23	104-02	1.2	2.8	3.0
2014-12-29	18:35	104-00/02	1.4	1.4	1.8
	18:35	104-00/02	1.3	1.1	N/A
2015-01-22	12:55	104-06*	1.6	2.1	2.8
	12:55	104-06*	1.4	2.0	2.7
2015-05-26	03:28	104-06	2.1	2.7	3.2
2015-05-26	03:38	104-03	1.8	2.3	2.7
2015-05-27	20:11	104-10	1.9	2.0	2.4

Location of Affected Zone



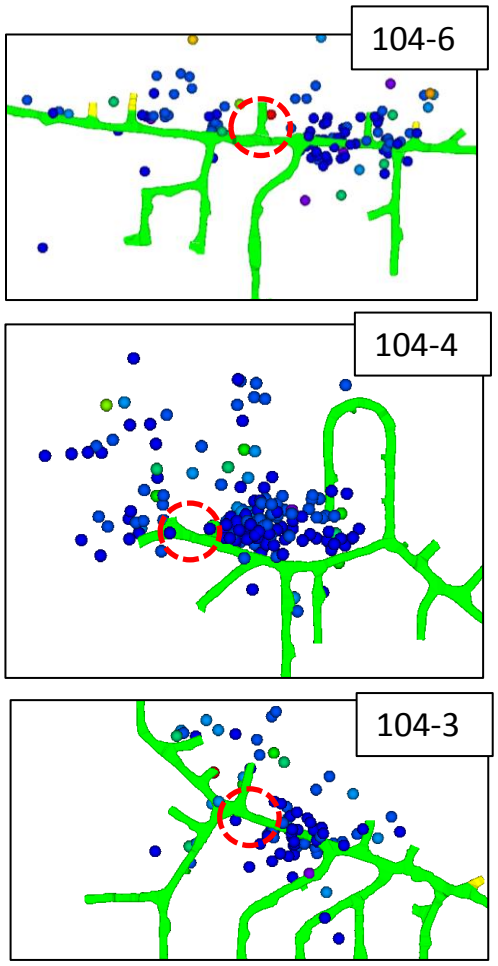
Location of Affected Zone



Review Process

- Technical review in parallel with ICAM investigation
- External experts involved throughout review
- Analysis included:
  - Seismic analysis
    - Frequency and distribution
    - Mechanism
  - Geotechnical drilling
  - Numerical modelling

Seismic Mechanism



- A zone of very complex geology exists near the 104 infrastructure
- Previous development and seismicity led to creation of a highly stressed pillar
- Development of 104-04 sub-level passed through this pillar This drive experienced significant convergence and deformation.

- Seismicity was a result of increased stress and reduced strength due to deconfinement of rock mass
- Peer review concluded that :
  - These events could not have been anticipated
  - Appropriate risk management strategies are available

Five-Year Plan and Operating Parameters

Westwood Potential

- **Westwood has significant resource potential undrilled in existing mining blocks, at depth and to the west**
- **Development completed in 2016 and scheduled for 2017 is essential to Westwood ramp-up and expansion plans**
  - › Diamond drilling rate increases in 2017 with available infrastructure
- **Commissioning of new mining blocks significantly increases operational performance, efficiency and reliability**
- **Rigorous management and application of strategic planning process have contributed significantly to Westwood's recent performance improvements**
- **Westwood continues to build on this foundation to optimize extraction of the current and potential resource**

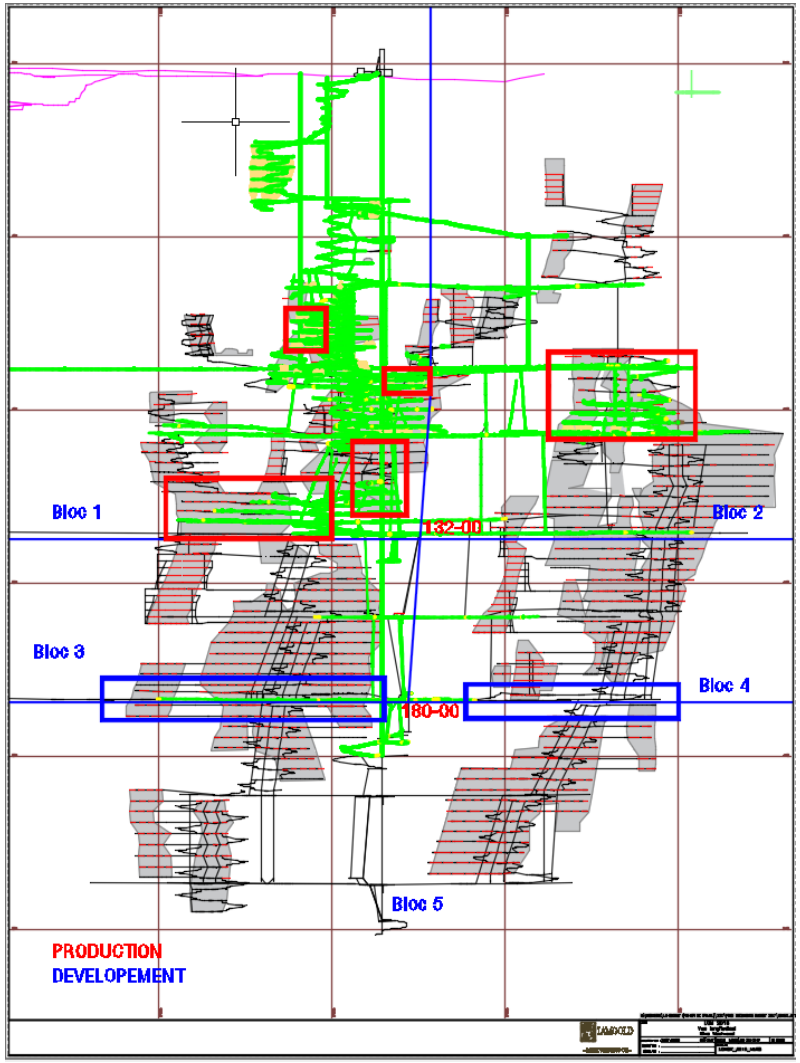
Westwood Strategy Overview

	2017	2020	2021 +
Vision	WESTWOOD Être la différence • Advance strategic plan and priority projects for each of the four pillars of the vision	VISION 2020 • Ramp-up Complete	• Full, sustainable production; maximum profitability
Expansion/Construction	• Infrastructure development for Mining Blocks 3 and 4 • Commissioning of 192 loading facility • Begin development of Block 5-6 access	• Construction of Block 5-6 Infrastructure in progress • Full production from blocks 1-4	• Production from resources at depth
Tonnes Mined/Milled	550,000 tpa	900,000 tpa	900,000 tpa
Production	120,000 oz	180,000 oz	180,000 oz+
Cash Costs	$890 USD/oz	$625 USD/oz	<$600 USD/oz
Zero Harm	10% reduction in TRIR annually		

2017 Strategic Priorities

Labour	Sustainability	Resources	Operations
• Rigorous and proactive labour management • Reinforcement of H&S culture, incident reduction • Management of Raynaud Cases • CLA Negotiation	• Continue deposition plan for waste and tailings • Continue R&D and technical validation of restoration concepts • Validate storage capacity (waste/TSF) to support strategic plan	• Resource conversion • Revise mining strategy for new Block 5/6 plan and "Blue Sky" Scenarios • Continue development and application of Geotechnical Risk Management Plan (GRMP)	• Develop communications network strategy and plans • Continue testing of battery scoops • Expand ventilation network and apply 2016 study recommendations

2017 Production Plan Summary



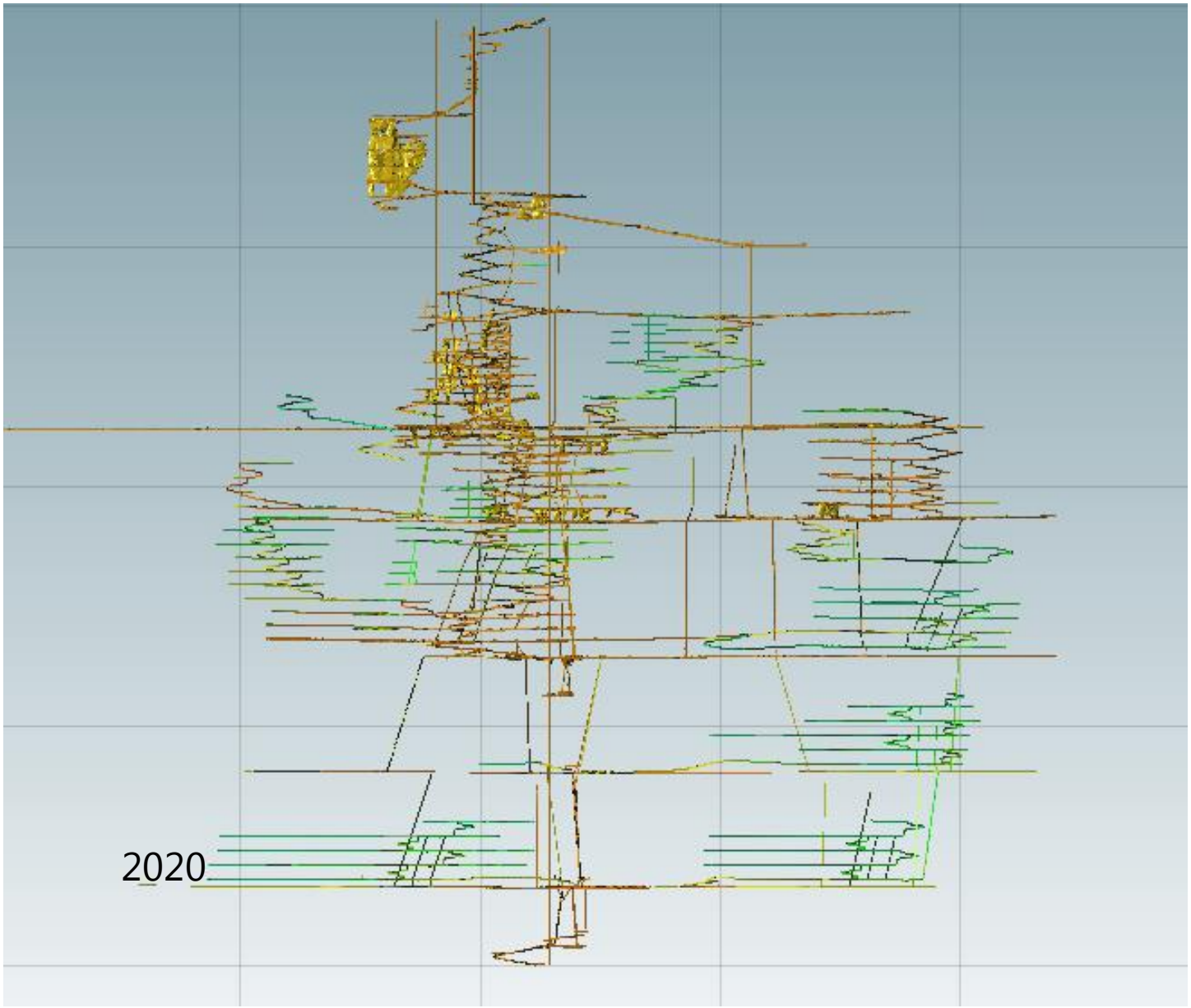
- Production from Blocks 1 and 2
- Reopening of 104 mining area
- Infrastructure and development in blocks 3 and 4
- Diamond drilling begins below 180-level (Blocks 5-6)

Mining Parameters for 5-Year Plan

- **Development:**
  - Trackless: 8.1 m/crew/day
  - Track: 3.9 m/crew/day
  - Alimak Raise: 3.6 m/crew/day
  - Conventional Raise: 1.8 m/crew/day

- **Production:**
  - Longhole Mining (transverse, longitudinal, hybrid)
  - Dilution: 50% for 2-m mining widths
  - Mining recovery: 95%

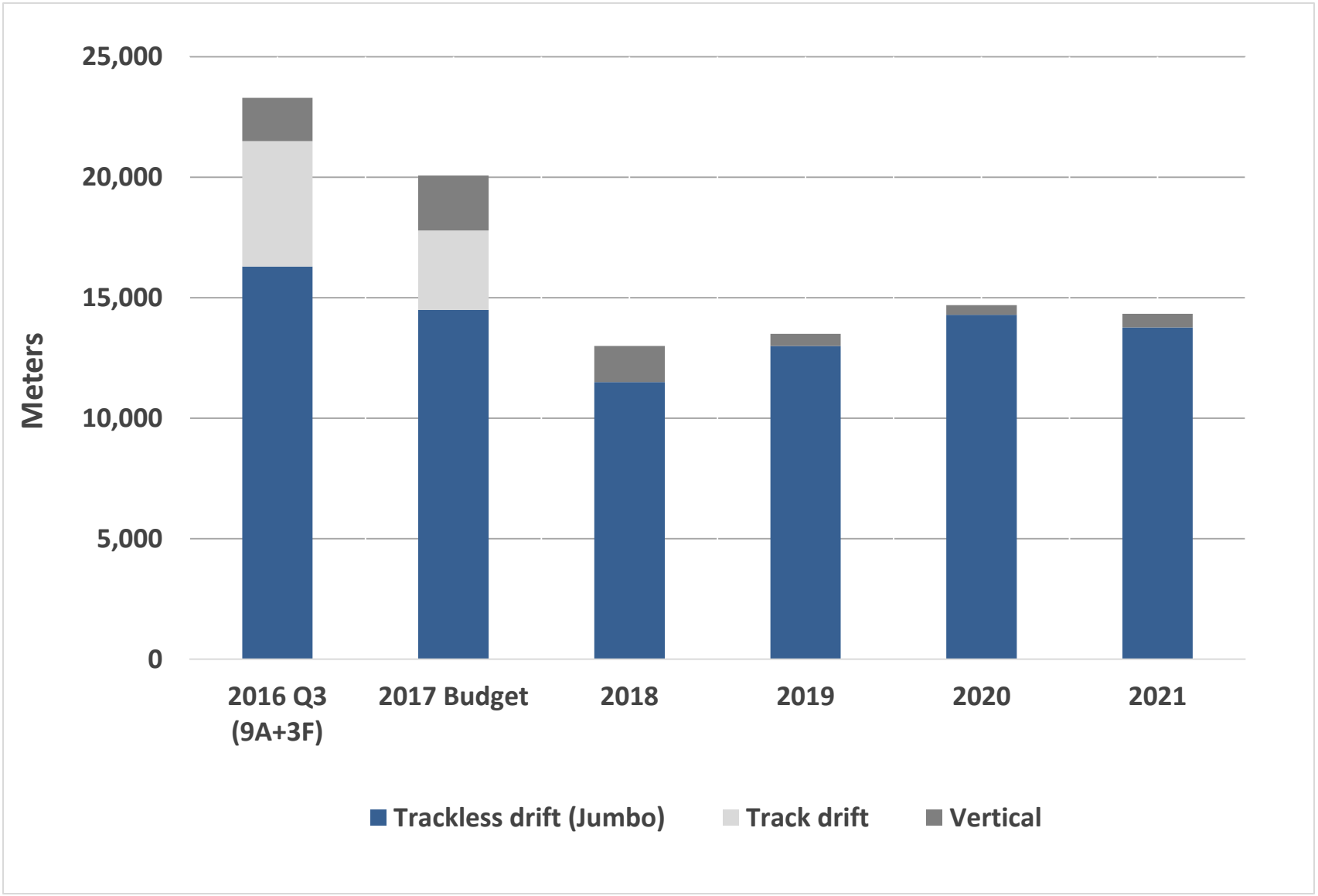
5-Year Plan: Development Sequence



5-Year Plan: Development Summary

	2016 Q3 (9A+3F) Km	2017 Budget Km	2018 Km	2019 Km	2020 Km	2021 Km
Stope Preparation (w/o V30)						
Drift	4.4	6.5	4.0	4.4	5.3	4.8
Deferred Development						
Trackless Drift	8.7	5.9	5.2	5.9	7.0	6.1
Track Drift	5.2	3.3				
Ramp	3.2	2.1	2.3	2.7	2.0	2.8
Total vertical	1.8	2.6	1.5	0.8	0.5	0.6
Summary Vertical	**1.8**	**2.6**	**1.5**	**0.8**	**0.5**	**0.6**
Summary Lateral	**21.5**	**17.8**	**11.5**	**13.0**	**14.3**	**13.7**
Summary Grand Total	**23.3**	**20.4**	**13.0**	**13.5**	**14.8**	**14.3**

5-Year Plan: Development Summary

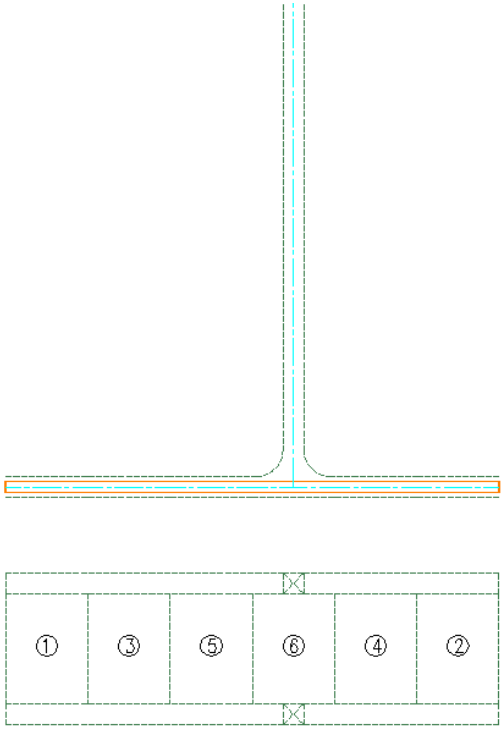


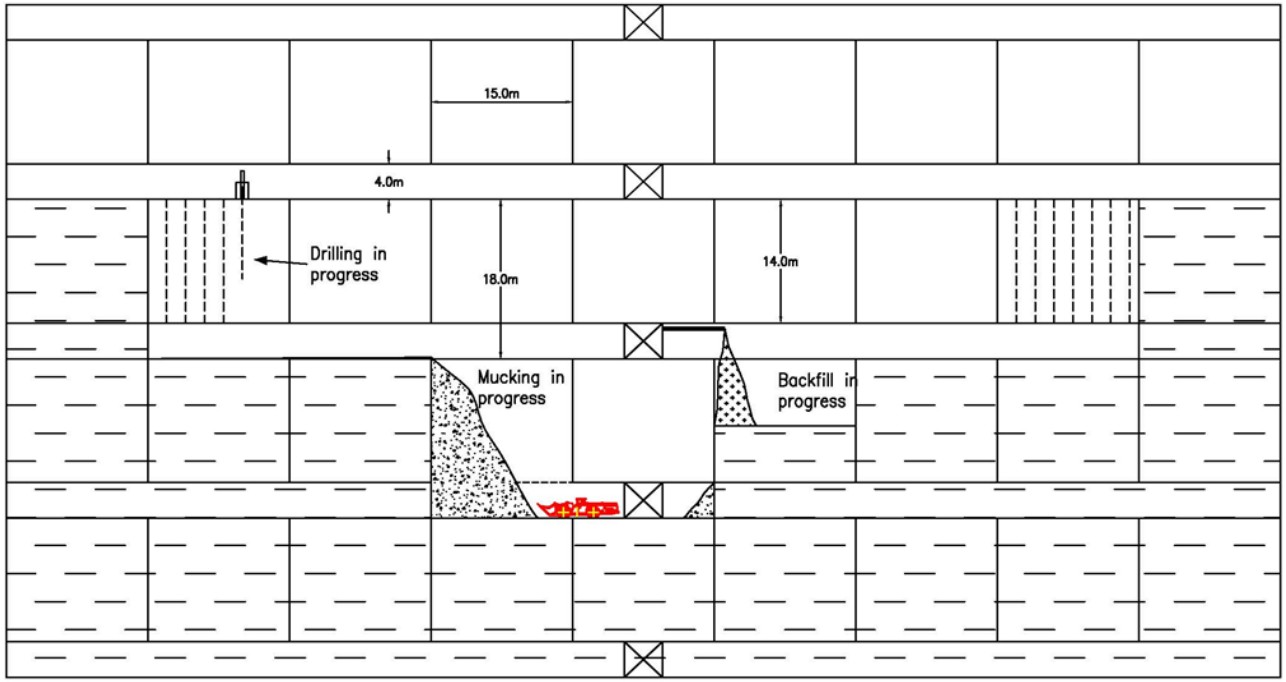
Note: Slot Rse V30 not included

Mining Methods

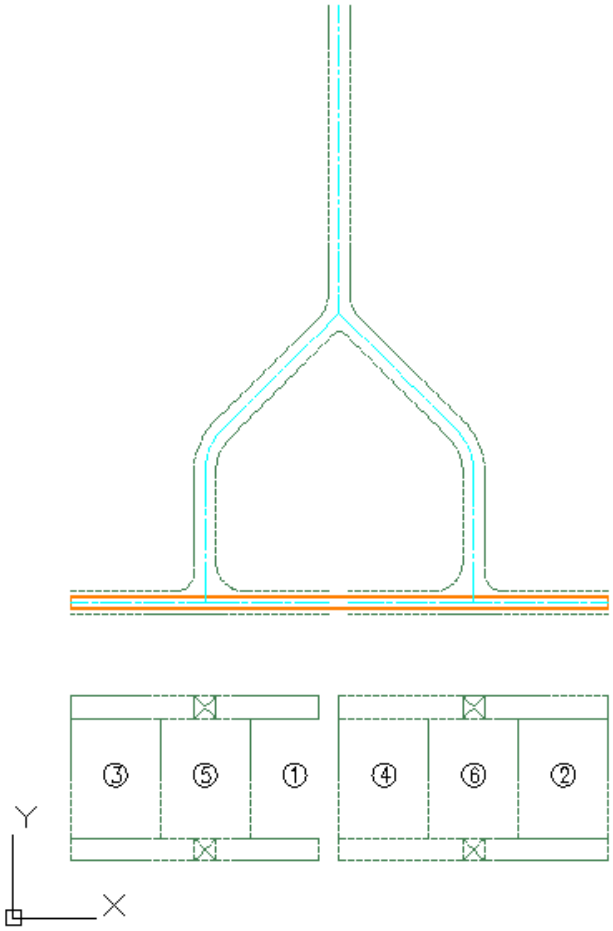
- Production plan based on long-hole mining
- Several variations currently in plan:
  - Transverse
  - Longitudinal Retreat
  - Hybrid
- Method selection a function of:
  - Thickness of ore zone (2-10 meters)
  - Expected stress state
  - Number and configuration of stopes in panel
  - Presence of multiple ore zones
  - Distance from infrastructure

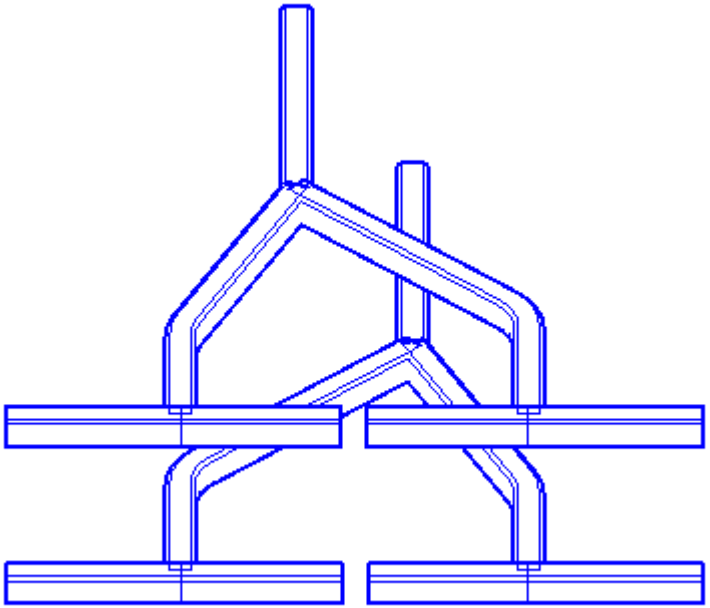
Longitudinal Retreat



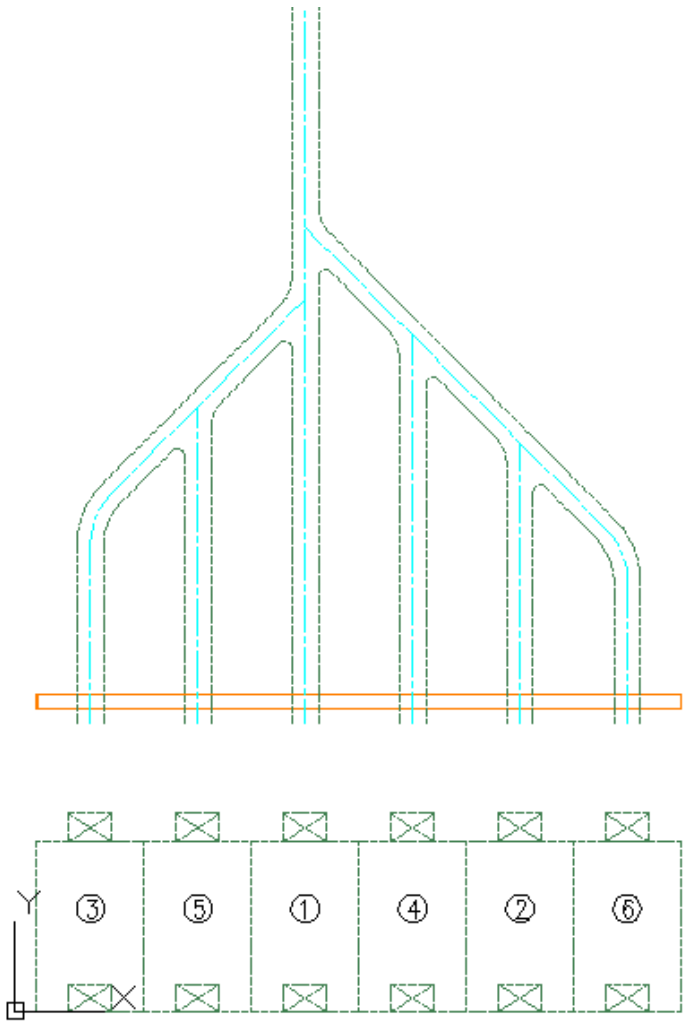


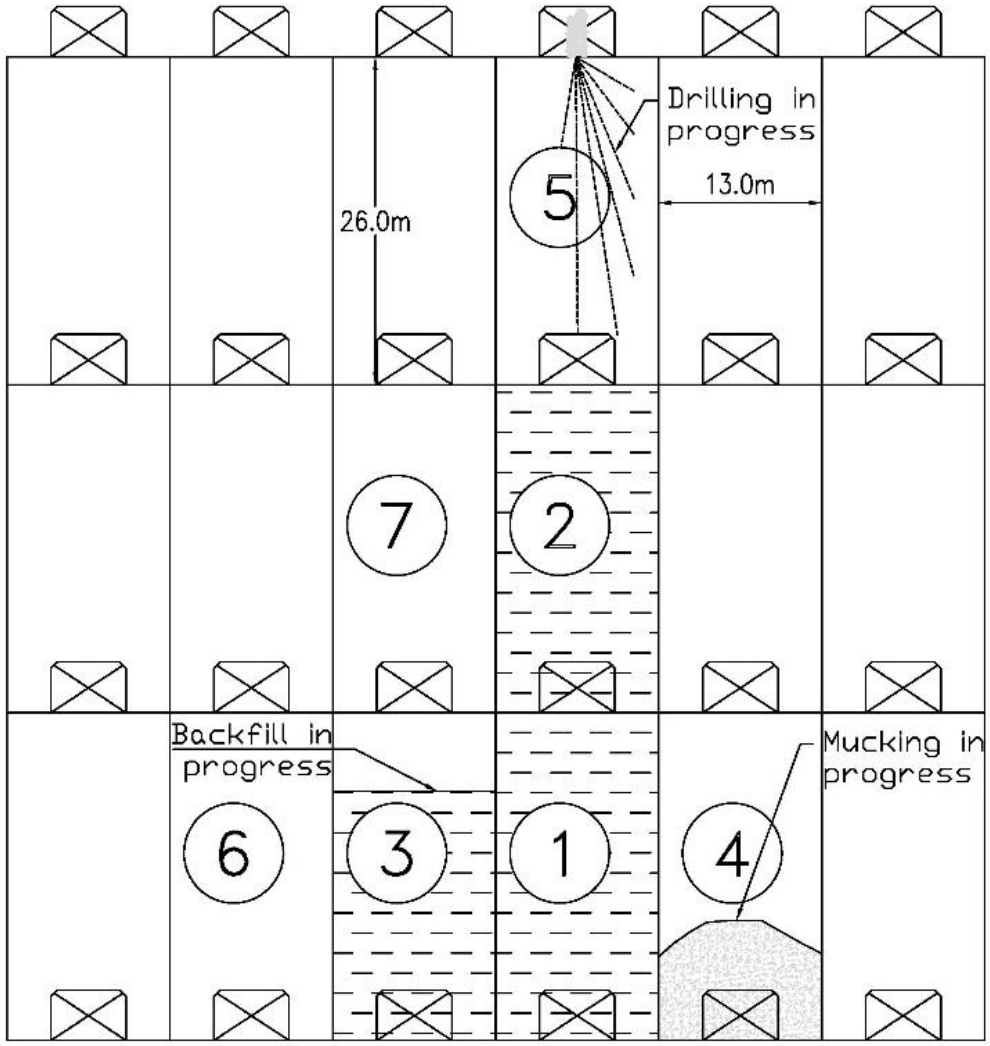
Longitudinal With 2 Accesses



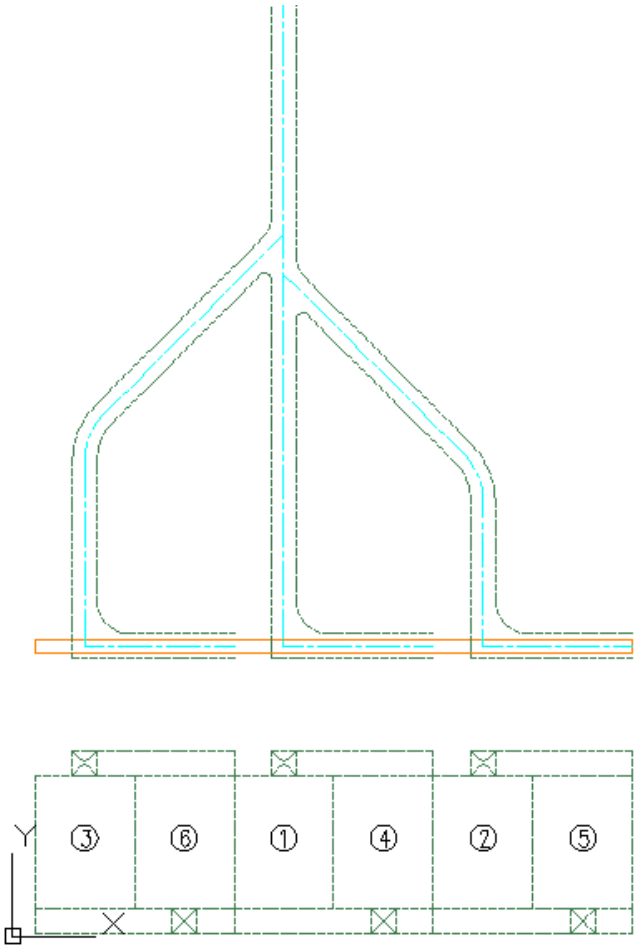


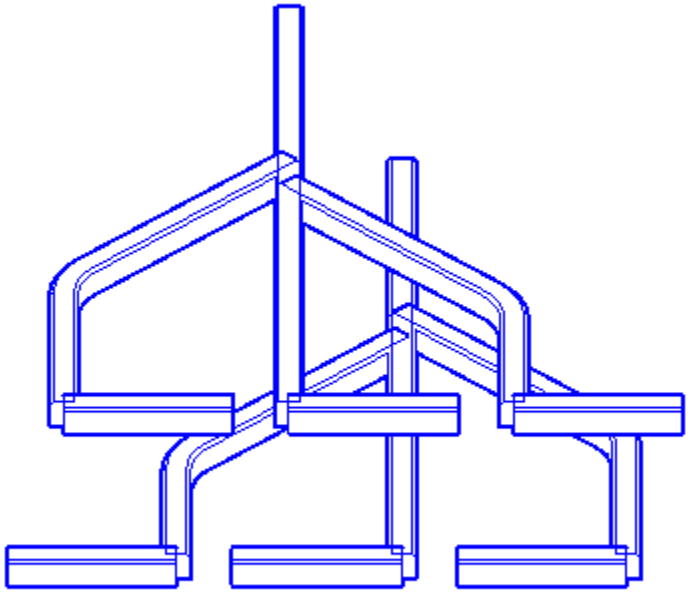
Transverse Sequence



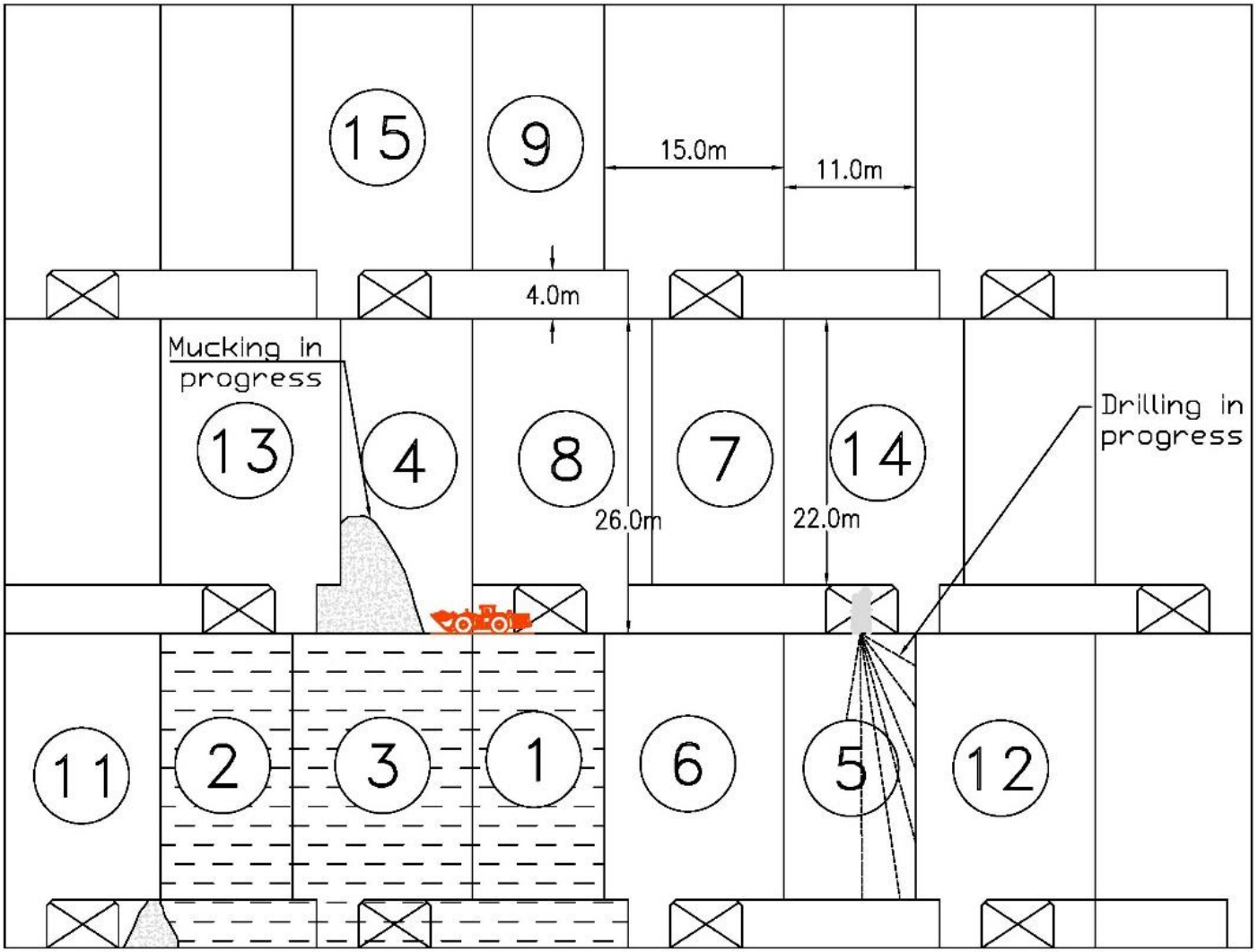


Hybrid (Blade) Accesses

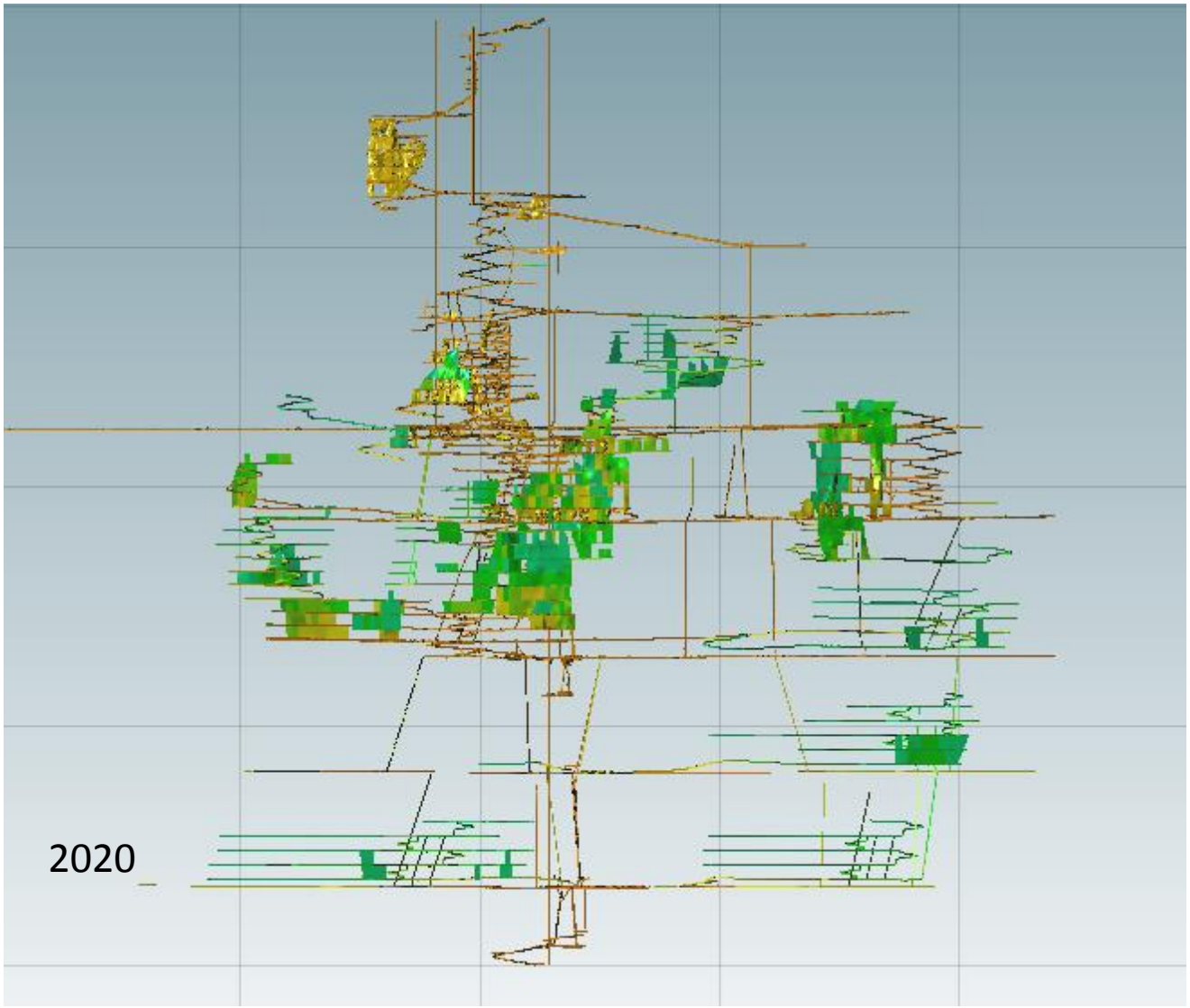




Hybrid Blade Sequence

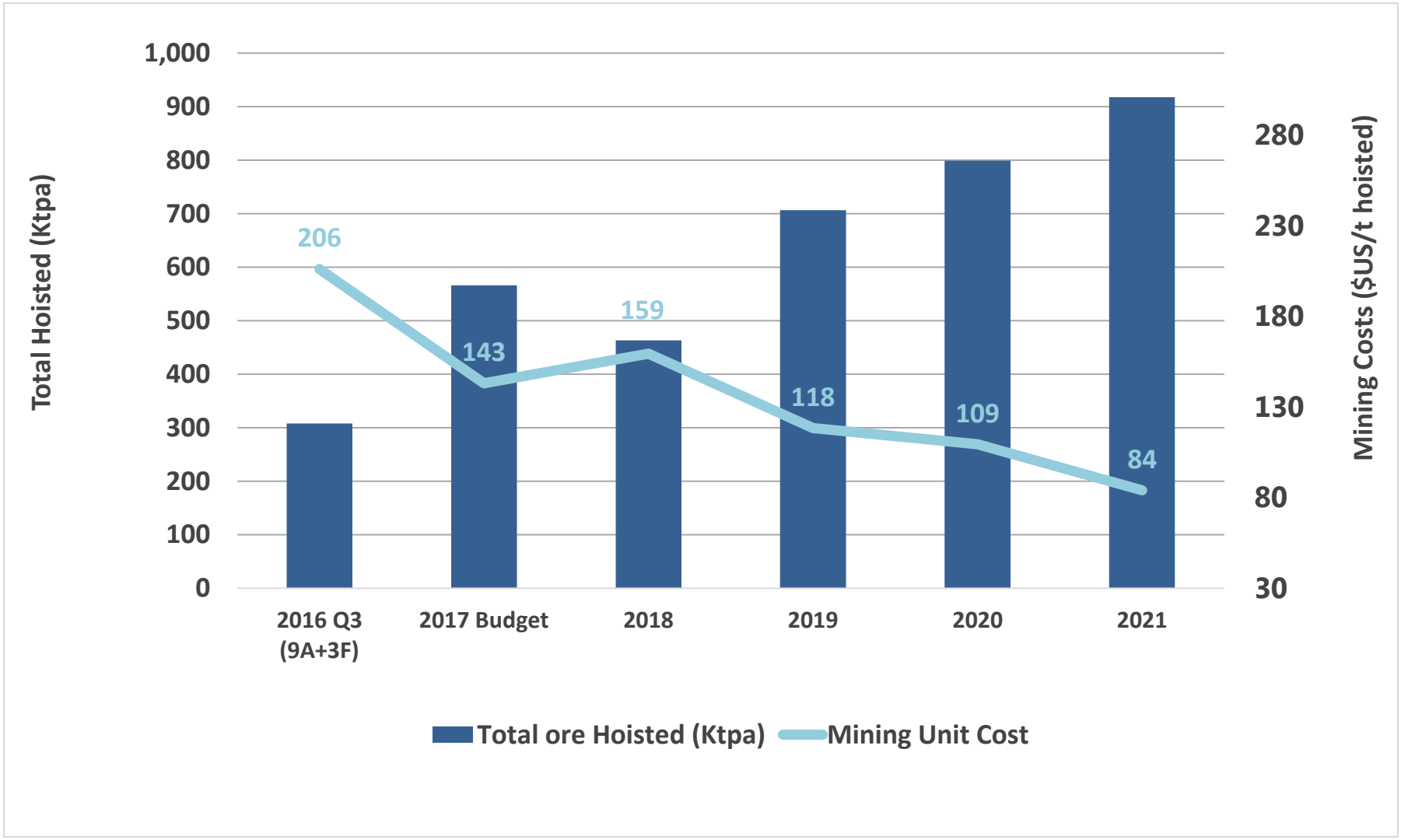


5-Year Plan: Production Sequence



*includes inferred resources

5-Year Plan: Mine Production



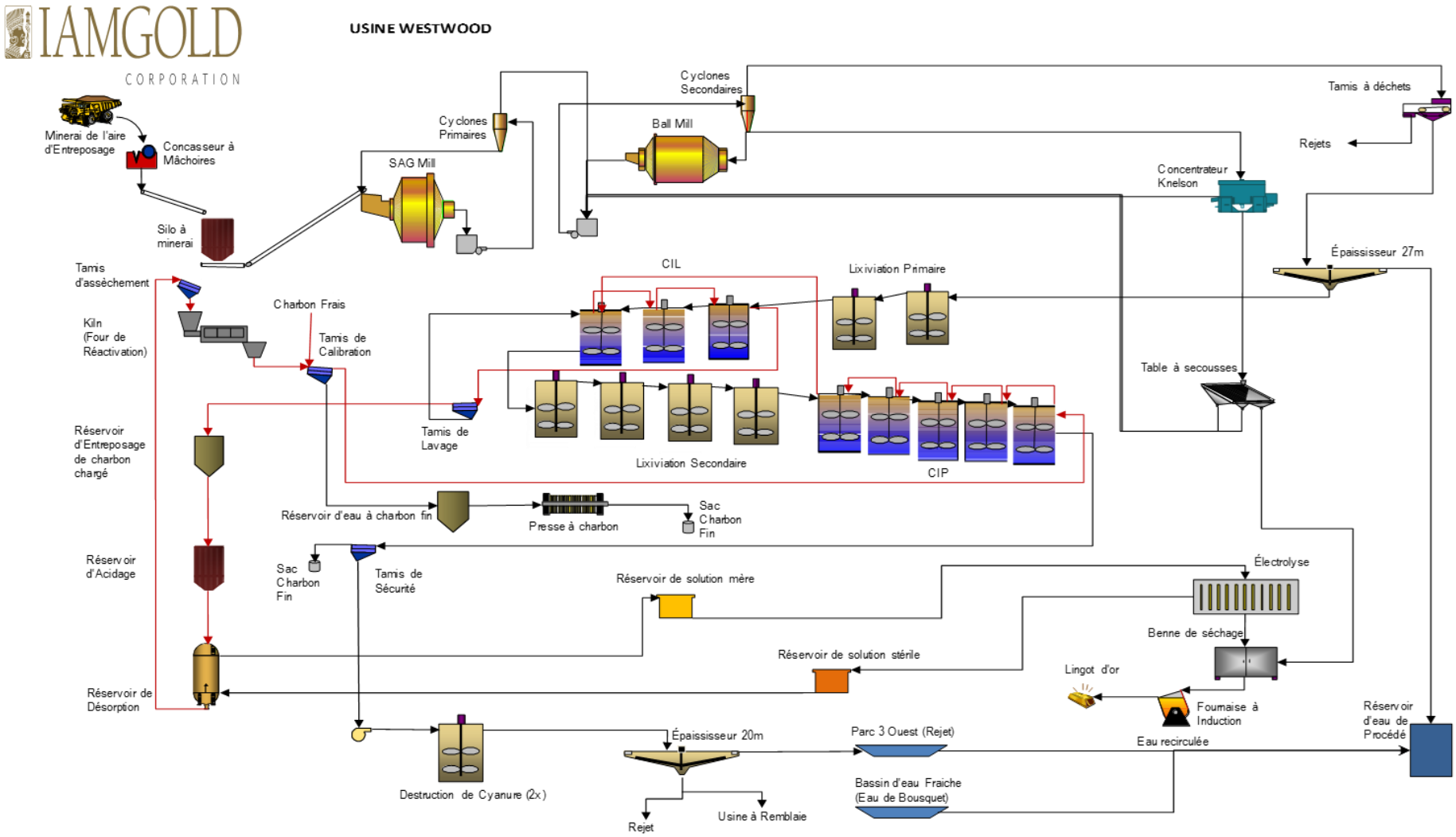
5-Year Plan: Milling Parameters

- Maximum Throughput: 900 000 tpa
- Mill Availability: 95% (345 days/year)
- Average Metallurgical Recovery: 94.6%

Parameters by Corridor

Corridor	Recovery	Au:Ag Ratio
Zone 2	96%	5:1
North	93%	3.5:1
Westwood	93%	1:4

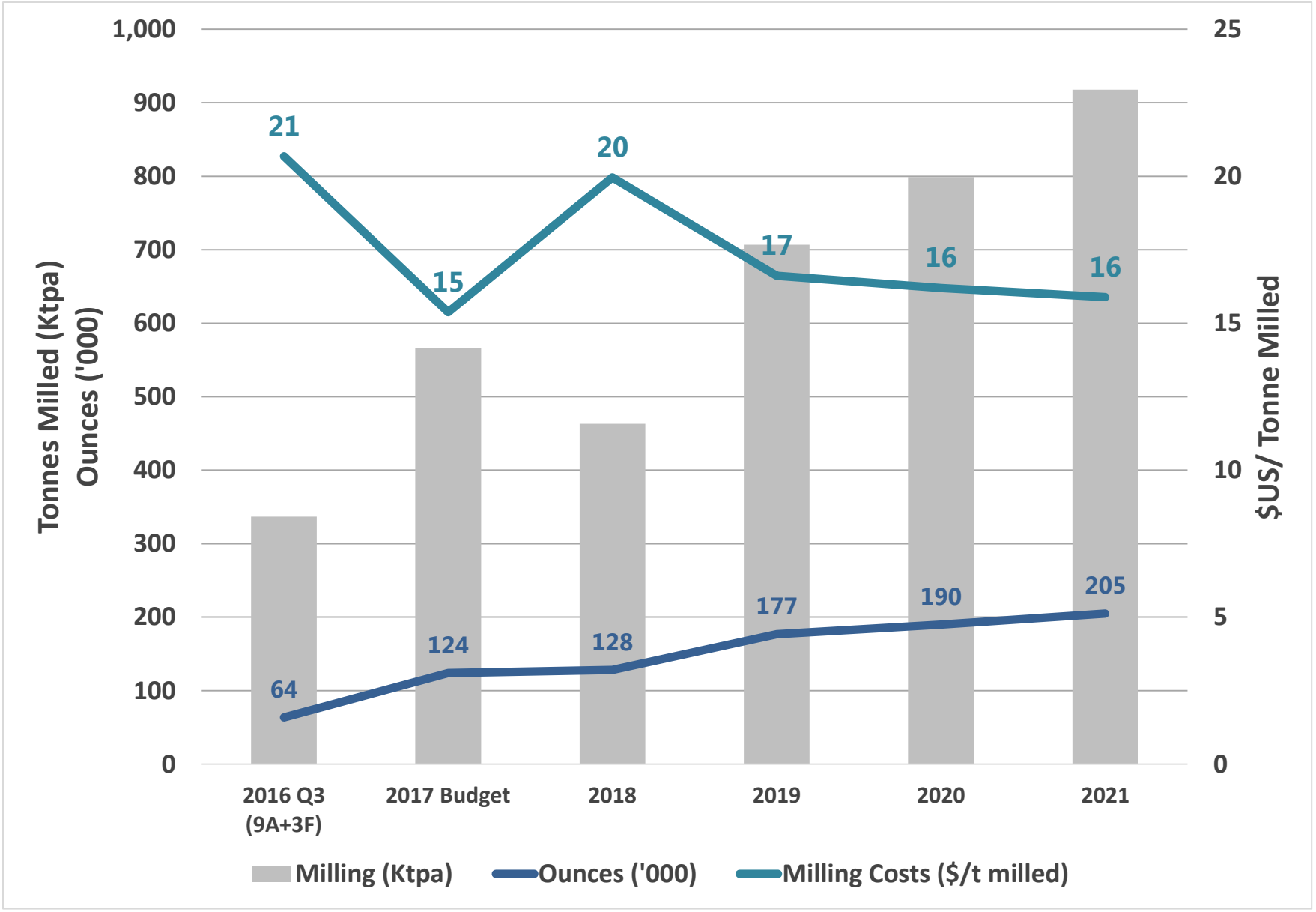
Mill Flowsheet



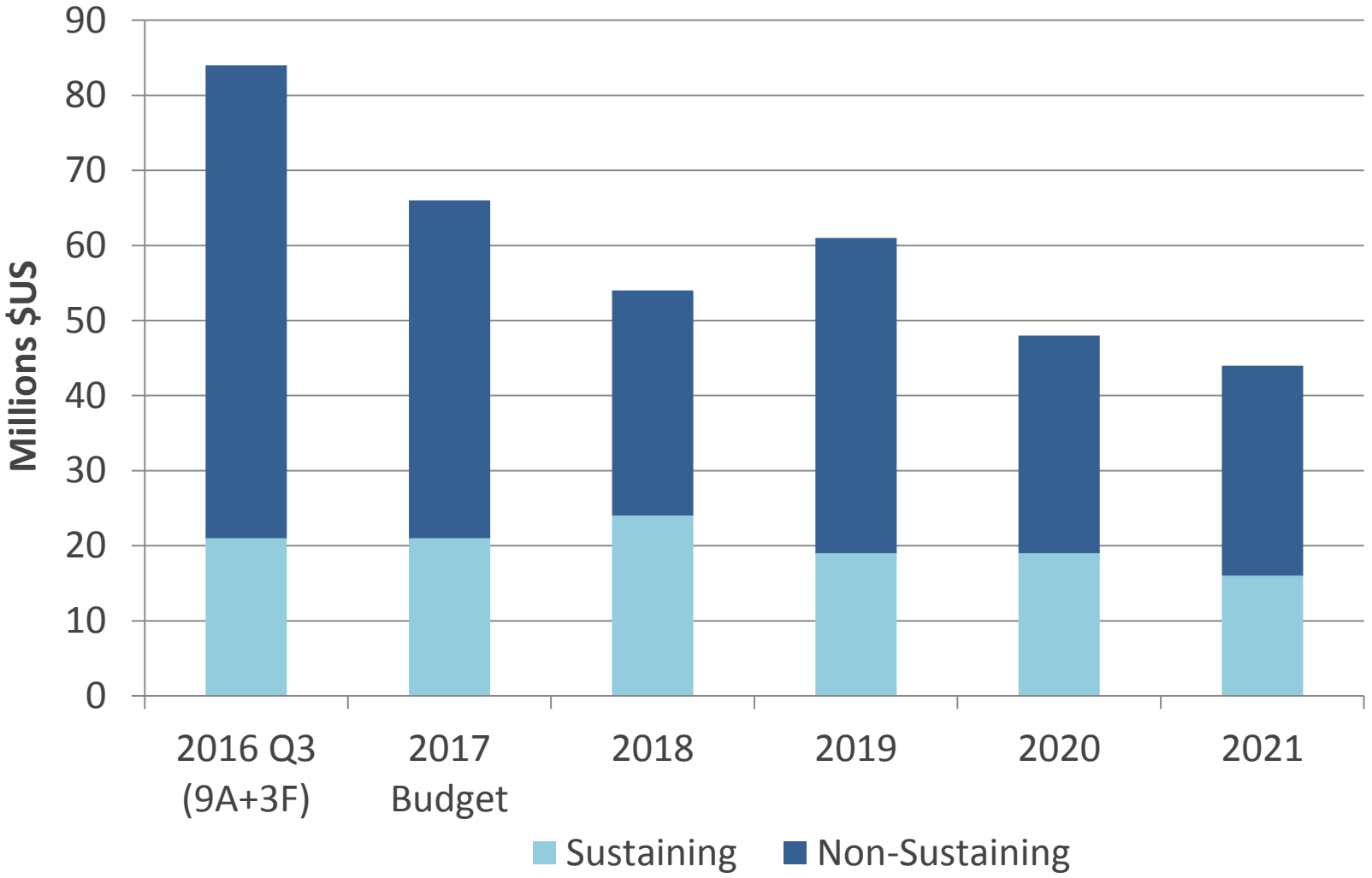
5-Year Plan: Production Summary

	2016 Q3(9A+3F)	2017	2018	2019	2020	2021
Tonnes Milled (‘000t)	337	566	463	707	799	918
Grade Au g/t	6.24	7.23	8.98	8.18	7.78	7.36
Ounces Au (Rec. 94.6%) (000 oz.)	63.6	124.3	128.1	176.9	189.6	204.7
Tonnes waste hoisted (‘000t)	836	632	530	550	611	619
Total tonnes hoisted (‘000t)	1 143	1 198	993	1 257	1 410	1 537

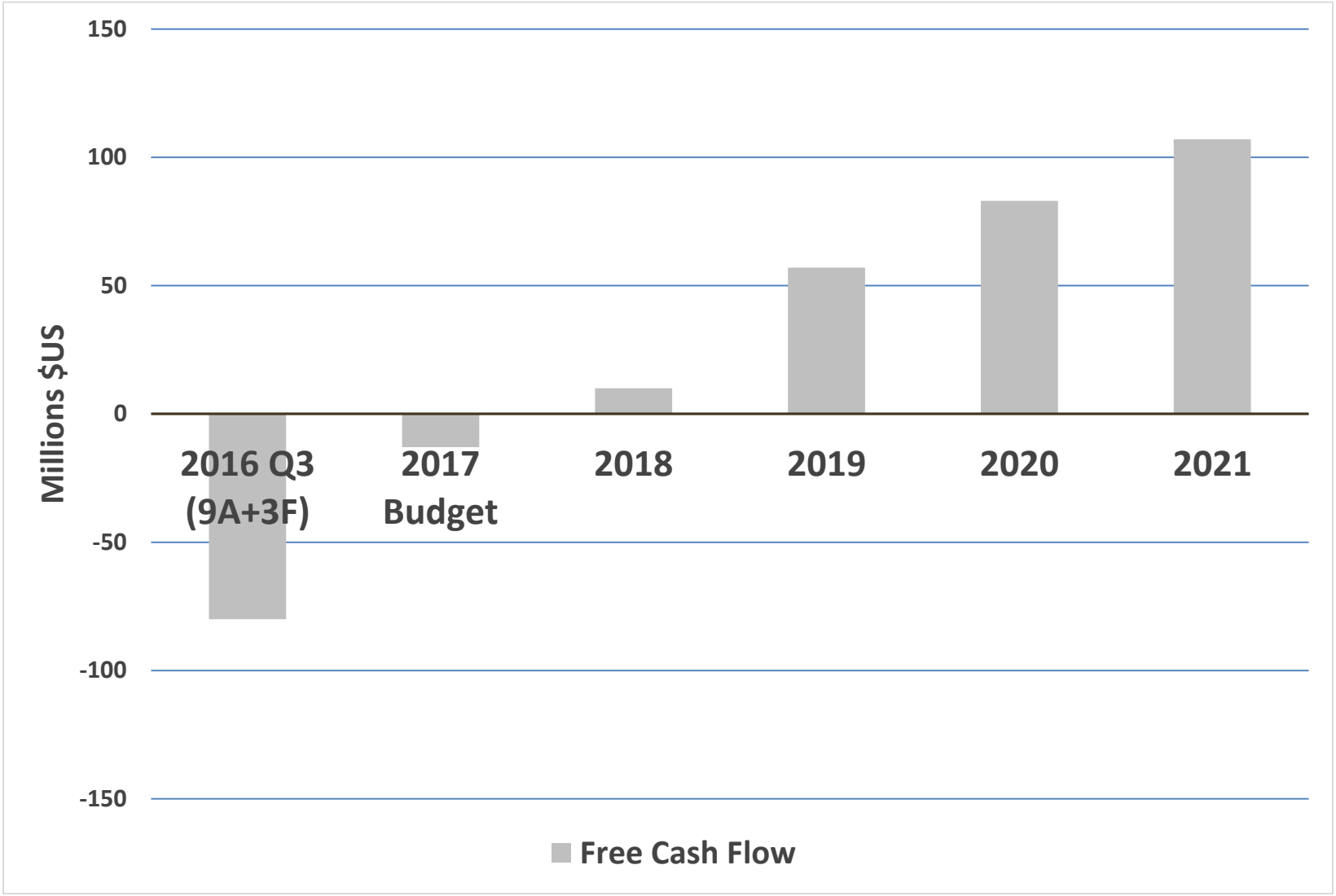
5-Year Plan: Mill Production



5-Year Plan: Capital Spending



5-Year Plan: Westwood Free Cash Flow



Note - Based on gold price assumptions: **2017** - $1,250; **2018** - $1,275; **2019** - $1,275; **2020** - $1,275; **2021** - $1,275

Opportunities

- Resource conversion & exploration
- Optimization mine design (development review)
- Higher volume stopes (thicker ore zones)
- Revision of capital program, including shaft deepening (blocks 5&6)
- Technology, automation, new mining methods, vertical development alternatives
- Continuous Improvement projects and implementation of Strategic Priority Action Plan

Questions?