

**ANOVA**  
METALS LIMITED



# INVESTOR PRESENTATION

March 2017

# Overview

## Who is Anova Metals

- 100% owner of Big Springs Gold Project, north-east Nevada, USA
- 1 Mil ounce resource
- Fully permitted to commence mining operations
- Low capex requirement
- Mining expected to commence in Q2 2017
- Potential to expand existing resource with near mine drilling programs
- 2016 exploration drilling program included intersections of:
  - 10.7m @ 30.9 g/t Au, including 3.0m @ 60.4 g/t Au
  - 9.1m @ 7.5 g/t Au, including 4.6m @ 10.9 g/t Au
- Strike intersections targeted for follow up in 2017



# Corporate Structure & Management

## Capital structure (ASX)

Ordinary Shares:	453,400,292
Performance Rights:	2,250,000
Market Cap:	A\$ 49.9 million (13 Mar 2017)
Cash:	A\$ 8.9 million (31 Dec 2016)
Debt:	Nil

## Key Shareholders

Phoenix Gold Fund	8%
Lujeta	7%
Alasdair Cooke	6%
Rex Harbour	5%

**Top 20** shareholding ~ 56%

**Directors/Management** shareholder ~10%



## Board of Directors

Mal James - Non-executive Chairman

Alasdair Cooke - Non-executive Director

Bill Fry - Executive Director

## Management

John Hasleby - VP (US Operations)

Bruce McLarty - General Manager Operations

Lauritz Barnes - Study Manager (Mining & Resources)

Andrew McDonald - Project Manager

Steve Jackson - Company Secretary



# Current Status

- Defined Resource (16.0Mt at 2.0g/t Au for 1.03 Moz's)
- Grade control drilling program completed
- Water pollution control permit granted
- Plan of Operations approved
- Engineering design for open pit undergoing final optimisation
- Metallurgical program completed
- Geotechnical assessment completed
- Mine contractor selected



# Location and Ore Transport Route



# Permitting Status – Approvals granted



## Water Pollution Control Permit (NDEP)

- Draft Permit Received February 2016
- Permit granted in early April 2016
- Expires in April 2021



## Plan of Operations (USFS)

- National Environmental Policy Act (NEPA) Process completed - FONSI
- Plan of Operations approved 31<sup>st</sup> Jan 2017



## Nevada Reclamation Permit and Cost Estimate (NDEP)

- Revised Reclamation Permit completed and lodged
- Rehabilitation bond to be paid this month



# Conceptual Mine Layout



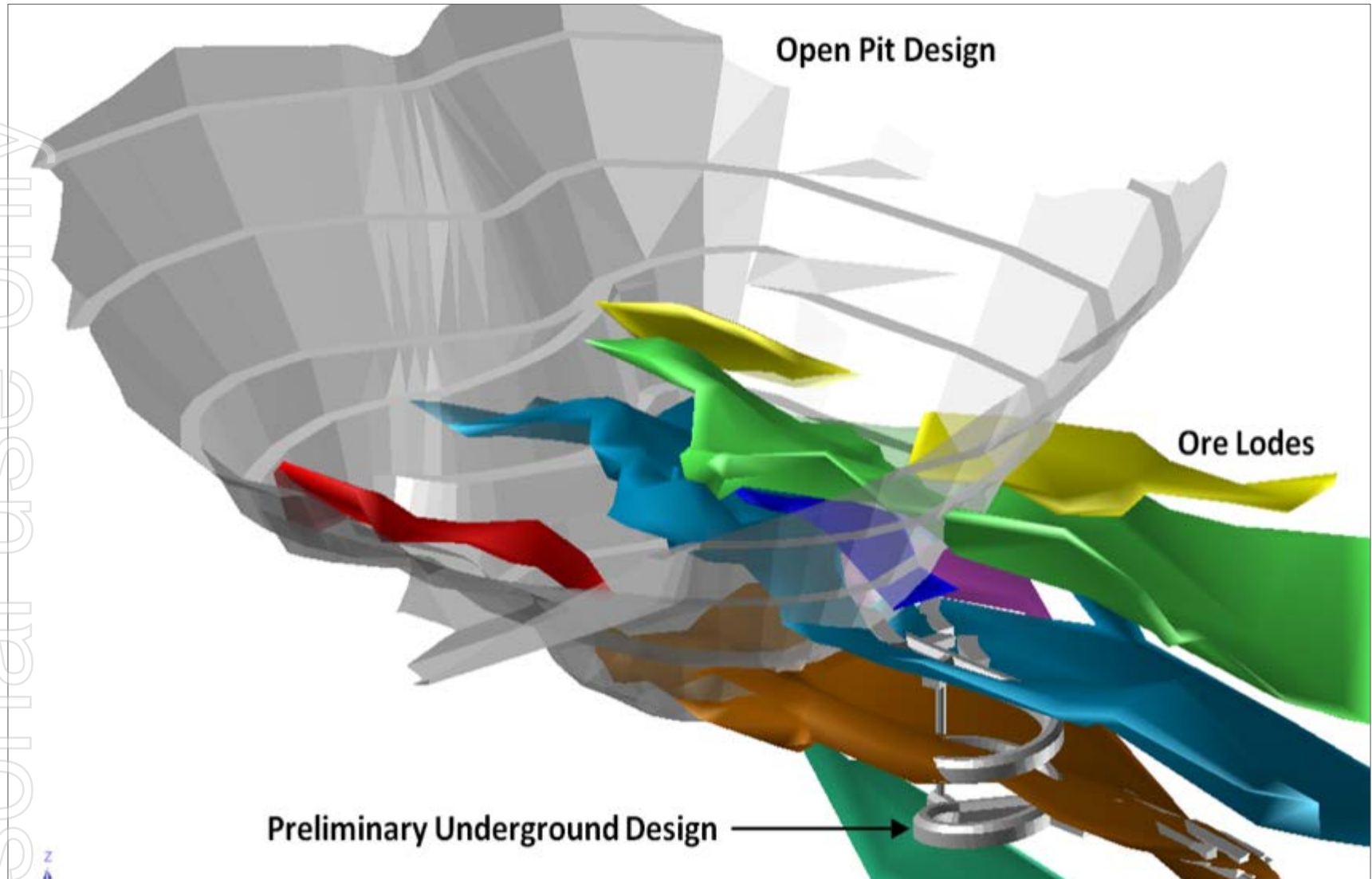


# 601 Pit Location

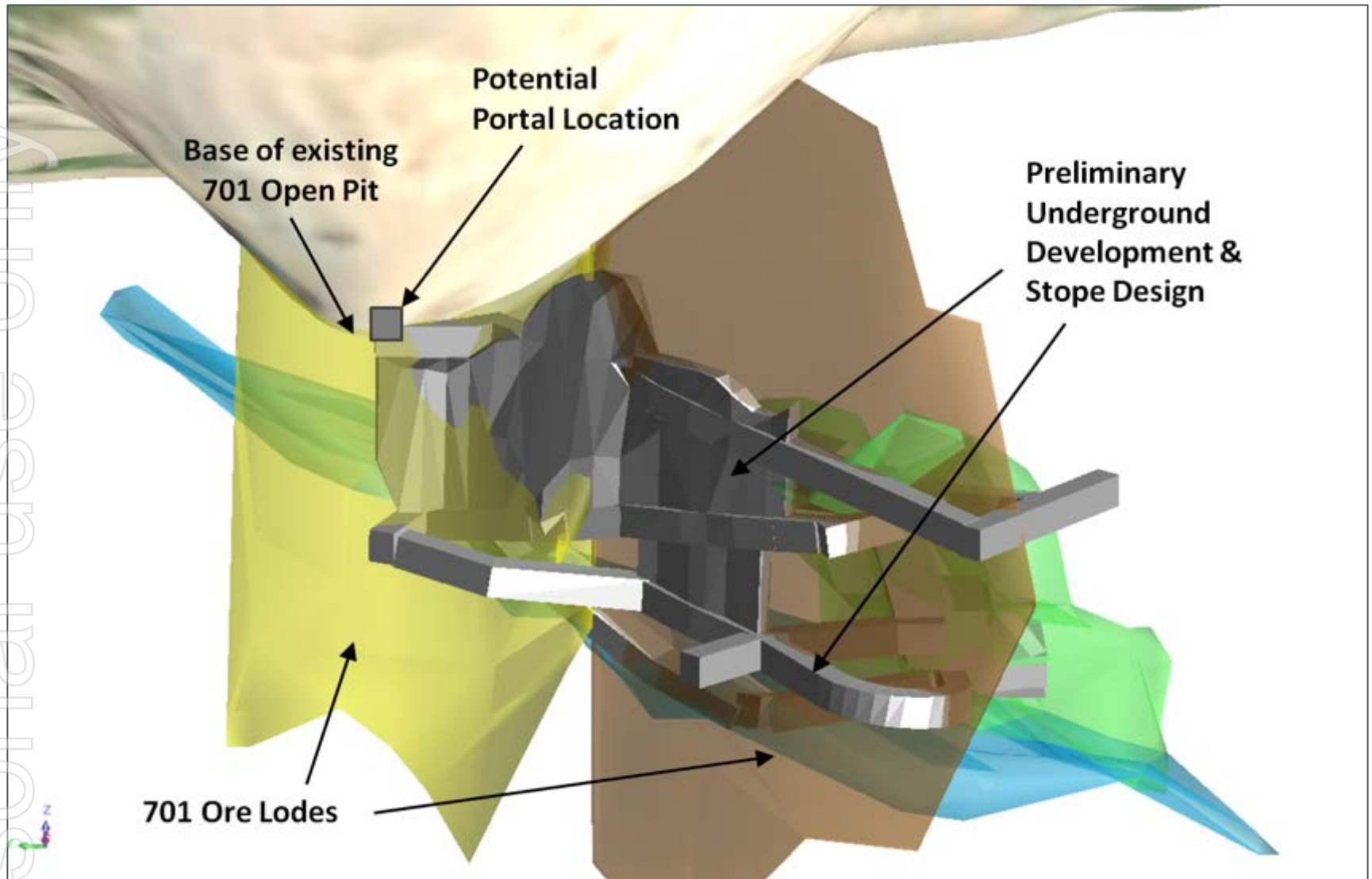




# 601 Open & Underground Design



# 701 Design & Development





# Stage 1: 601 Pit – CapEx and OpEx

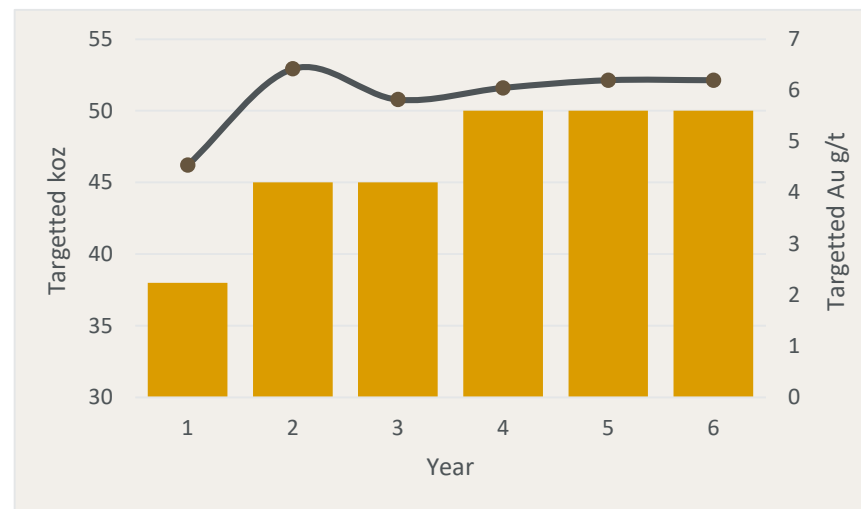
Material Type	Tonnes	Au (g/t)	Oz
Ore	185,800	4.1	24,500
Waste	1,656,500		
Strip Ratio	8.9		

Process	Gold (oz)
Mined	24,500
Recovery	88%
Recovered	21,560

Item	Cost	US\$ per oz produced
Capital Cost	US \$ 2,000,000	US \$ 98.80

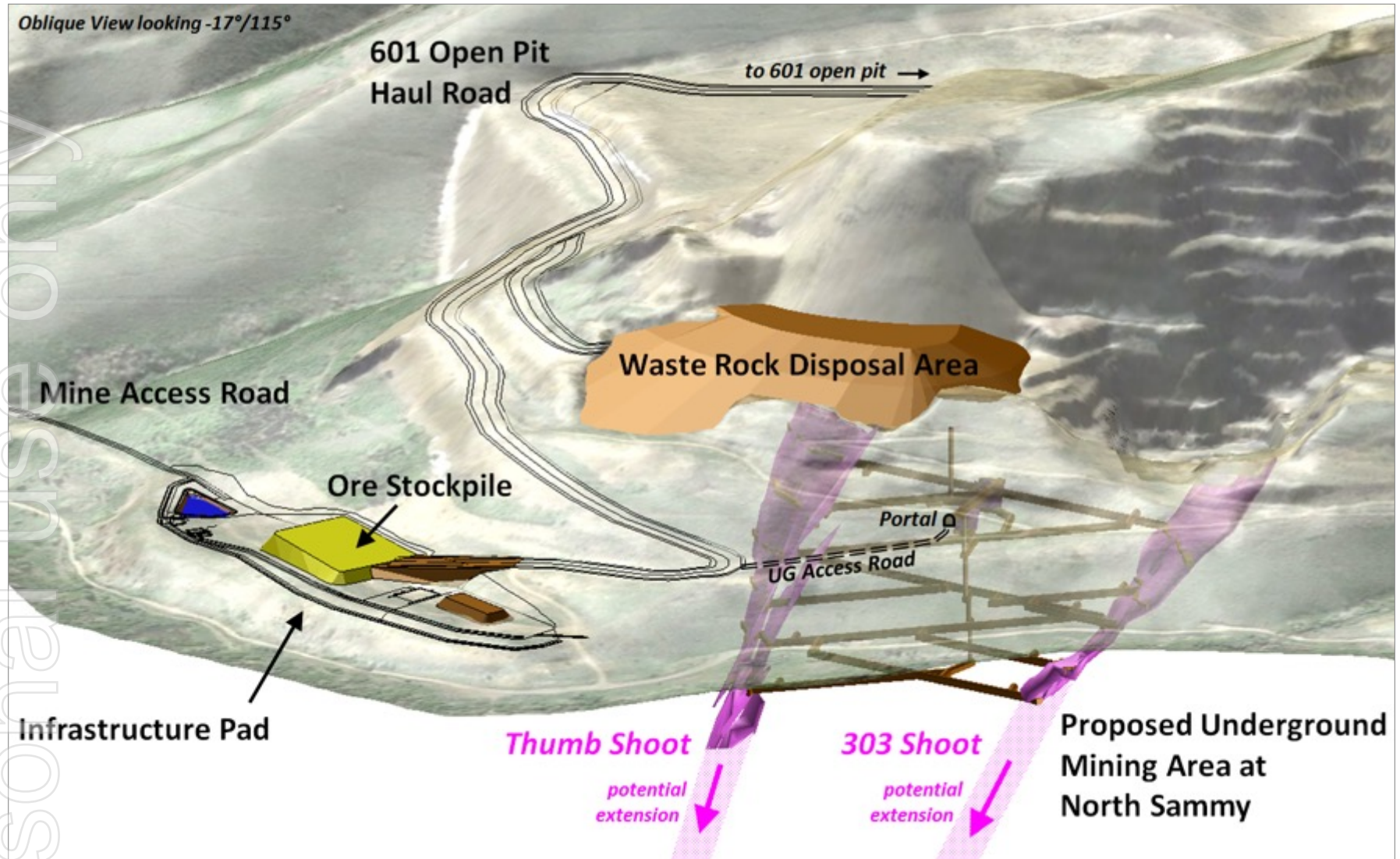
Item	Life of Mine (US\$/oz produced)
Mining (ore and waste)	US \$181.05
Ore transport	US \$ 54.60
Processing and refining	US \$592.55
Administration	US \$ 25.30
<b>Total Cash Cost</b>	<b>US\$ 853.50</b>

## Forecast Gold Production



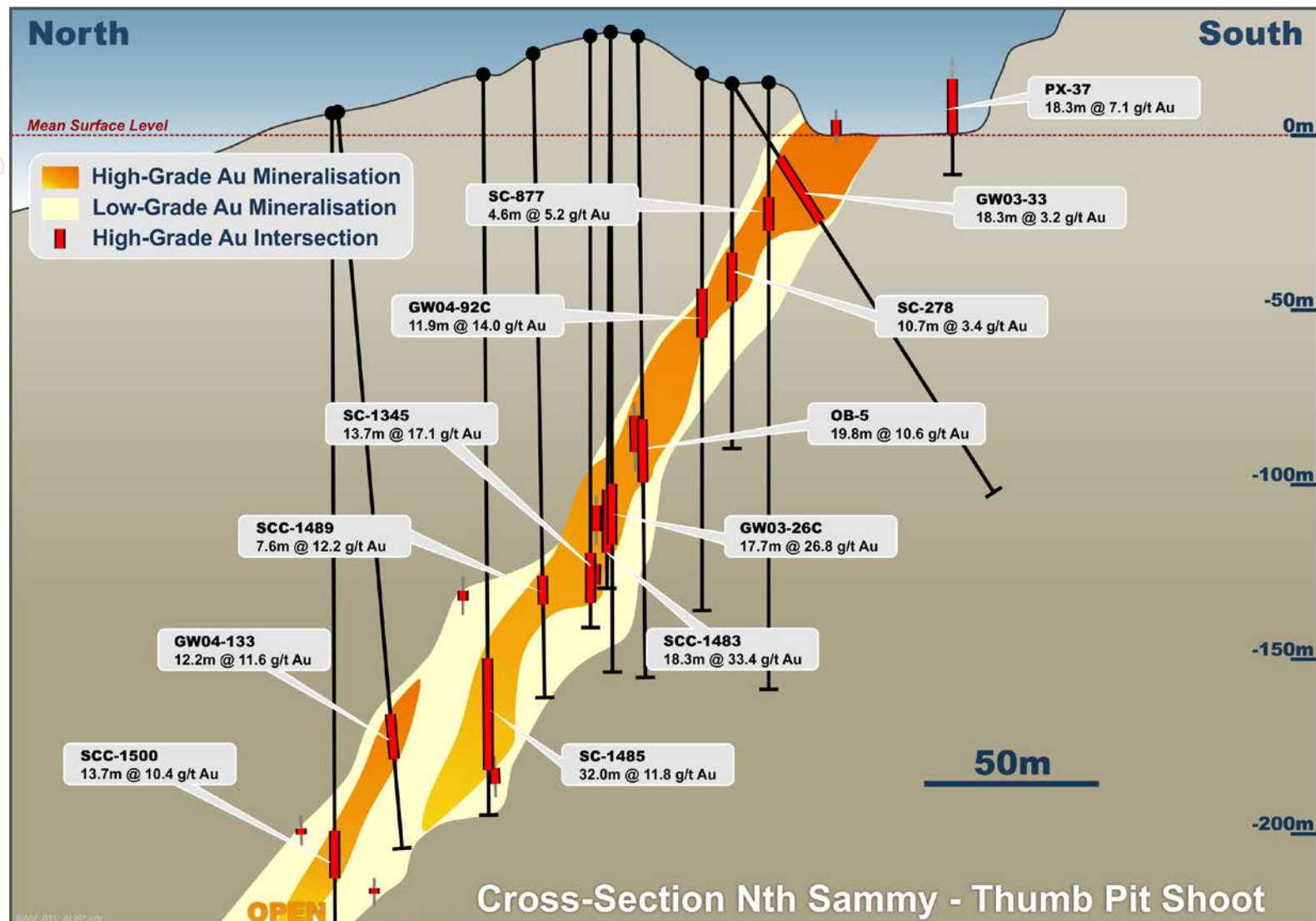
Operating Type	Operating Cost	Cost Unit
Mining – Open Pit	US \$ 20.90	per tonne ore
Ore transport	US \$ 6.30	per tonne ore
Processing and refining	US \$ 68.40	per tonne ore
Administration	US \$ 2.92	per tonne ore

# Conceptual North Sammy Underground

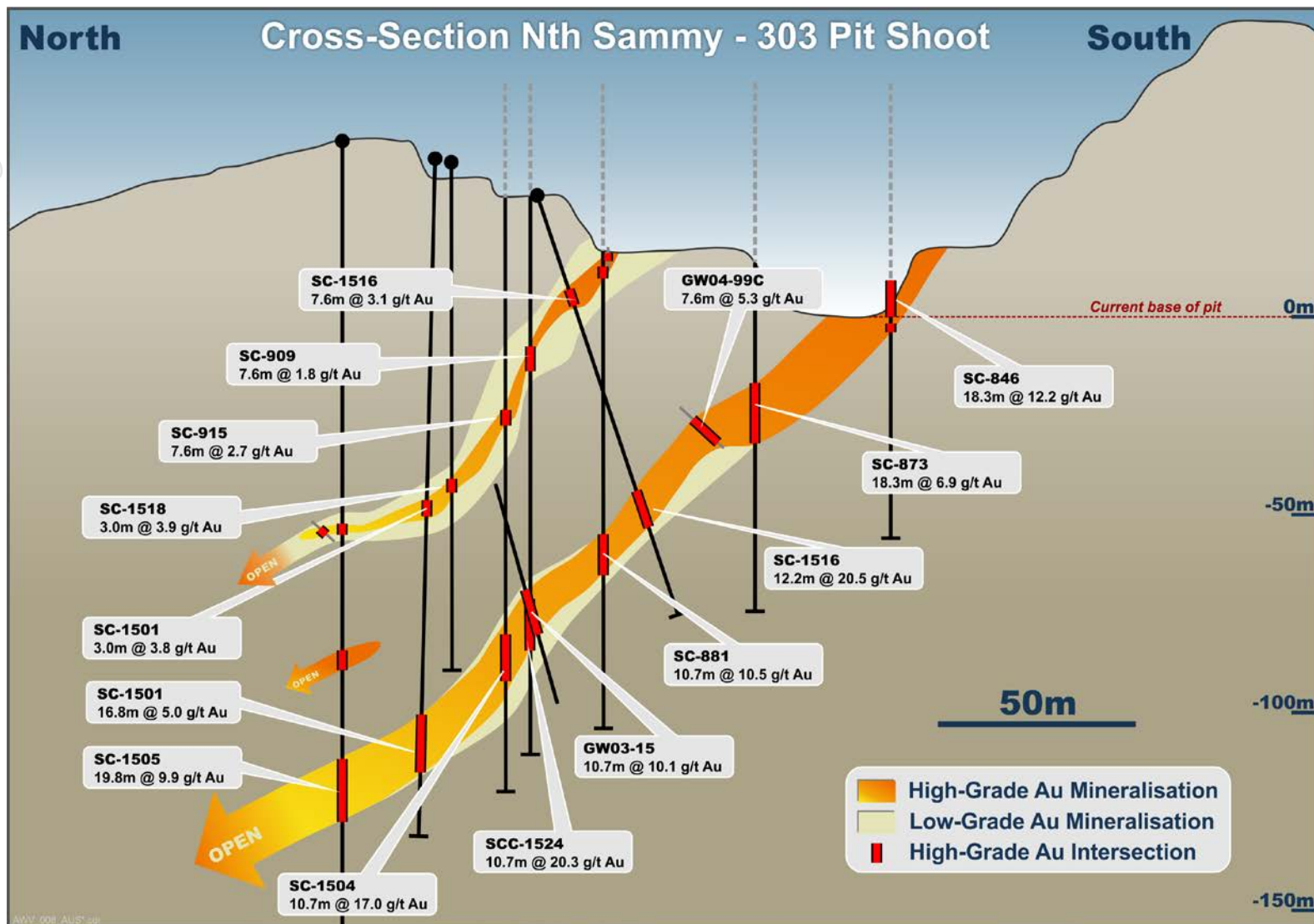




# North Sammy Underground – Thumb Shoot



# North Sammy Underground – 303 Shoot





# Stages 2 to 4: Underground Mining Costs

Stoping Type	Cost per ore tonne
LHOS	US \$ 90.00/tonne
	US \$ 81.65/s. ton
Alimak	US \$ 83 to \$93/tonne
	US\$75.30 to \$84.36/s.ton

## Underground Mining Costs – initial quotes from mining contractors

Operating Type	Cost (US units)	Cost (Metric Units)
Development - Decline	US \$ 1,300 / ft	US \$ 4,265 / m
Development - Access	US \$ 1,175 / ft	US \$ 3,855 / m
Long Hole Open Stopping	US \$ 27.50 / s. ton	US \$ 30.31 / tonne
Alimak Stopping	US \$ 32.50 / s. ton	US \$ 35.83 / tonne

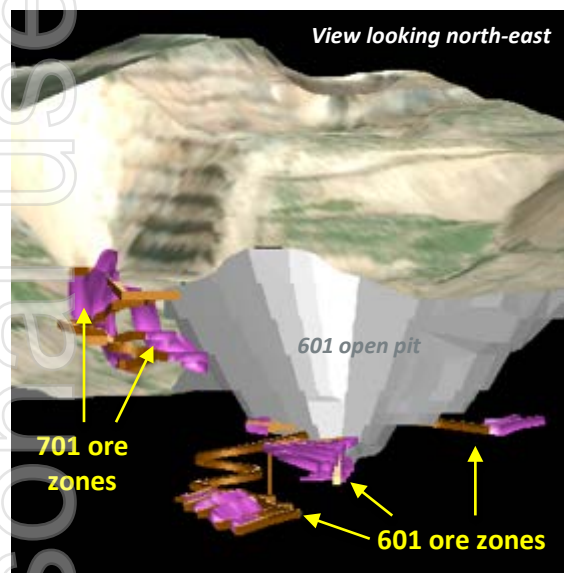
## Distance to first ore

Stage	Area	UG Zone	Feet	Metres
2	South Sammy	601	75 ft	23 m
		701	0 ft	0 m
3	North Sammy	Thumb	860 ft	260 m
4	Beadles Creek	Lode 5	1,000 ft	300 m

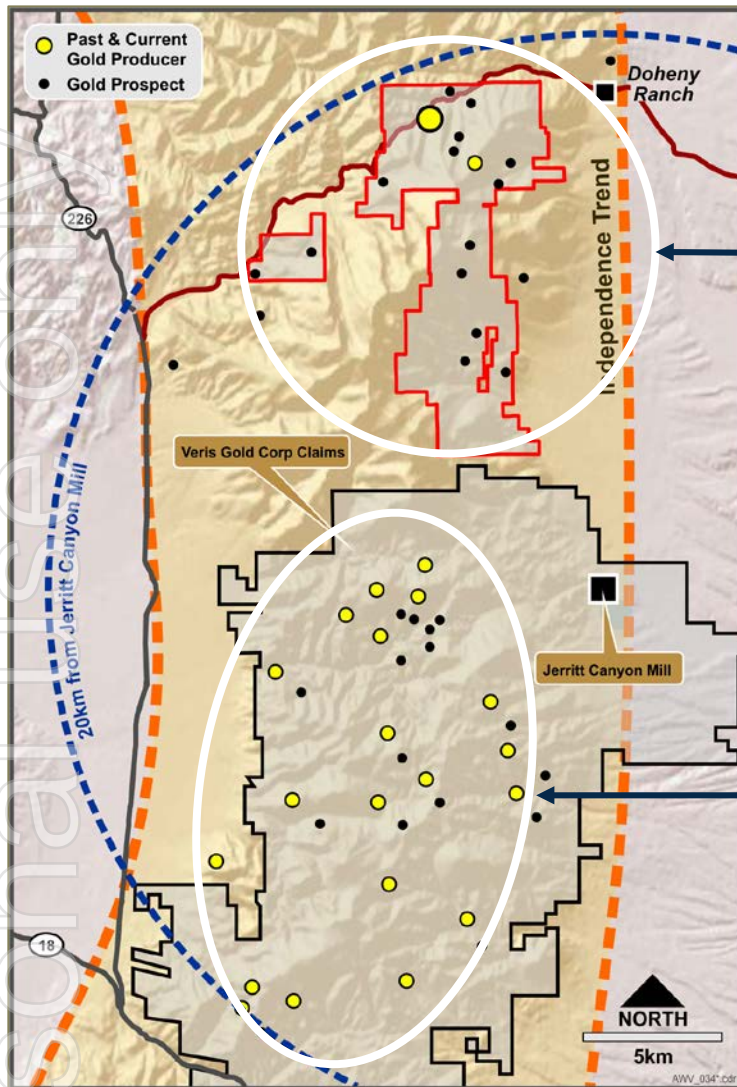
## Modelled zones

Stage	Area	UG Zone	Tonnes	Au (g/t)	Oz
2	South Sammy	601	46,700	5.67	8,500
		701	47,600	5.35	8,200
3	North Sammy	Thumb & 303	357,500	6.42	73,800
4	Beadles Creek	Lode 5	167,150	5.10	27,400

## South Sammy (601 & 701) UG Designs



# Exploration – Endowment Potential



## Big Springs

- Previously mined ~350 Koz produced
- Limited exploration since 1993
- Current resource (16.0Mt at 2.0g/t Au for 1.03 Moz's)
- High grade component 3.1Mt @ 4.2g/t Au for 415,000 oz's

## Jerritt Canyon mine (neighbour)

- 20 km south of Big Springs (42 km by road)
- 11 Moz discovered
- 8 Moz Au produced since 1981
- 20+ years production history
- 30+ years continuous exploration



# Resource and Exploration

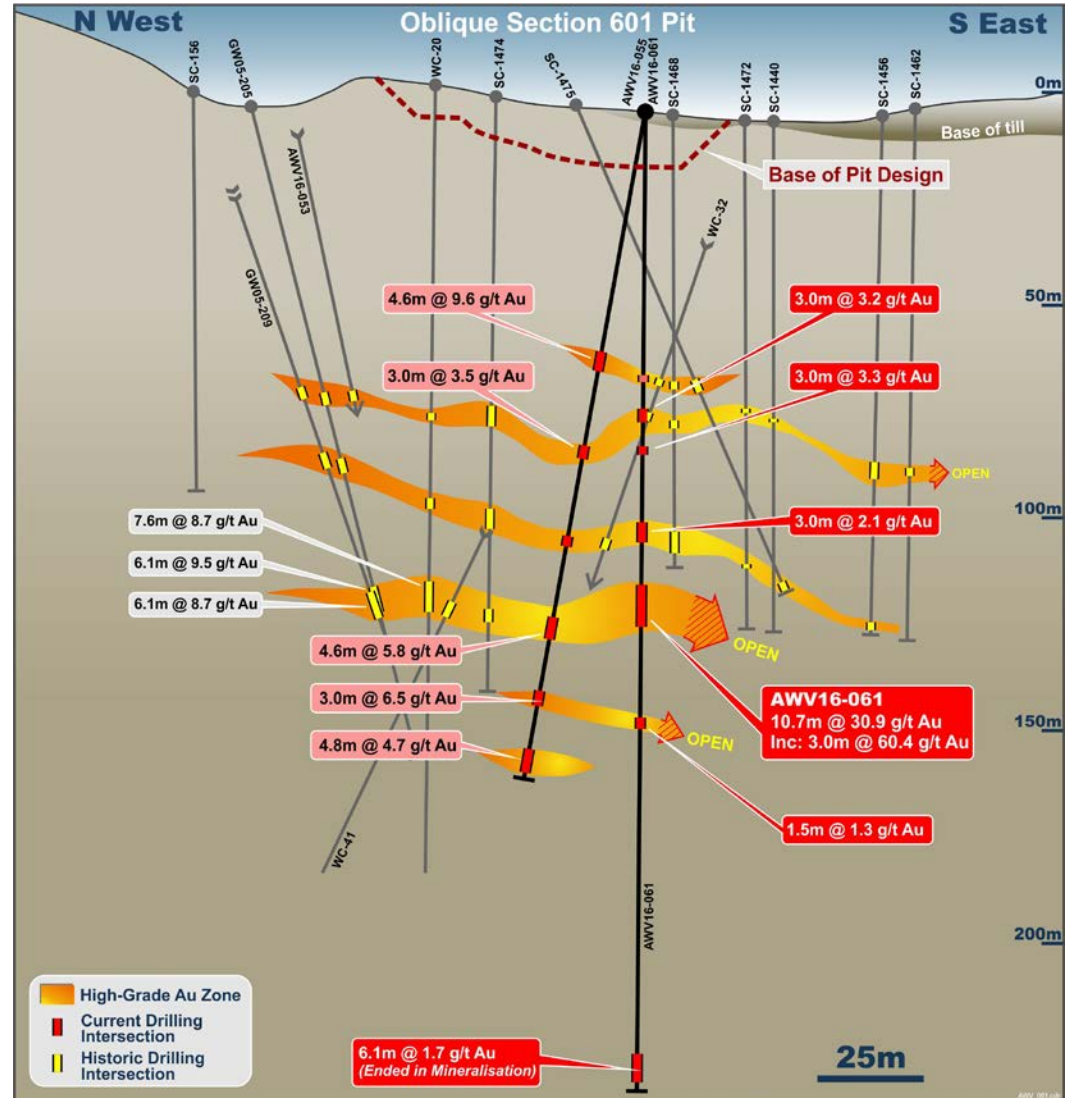
- Defined Resource (16.0Mt at 2.0g/t Au for 1.03 Moz's)
- High grade component of 3.1Mt at 4.2g/t Au for 415,000 oz
- 58 km<sup>2</sup> of prospective claims held
- 17 hole diamond drill program completed in late 2016
- At **South Sammy** intersections included:
  - 10.7m @ 30.9 g/t Au, including 3.0m @ 60.4 g/t Au
  - 4.6m at 9.6 g/t Au from 59.4m
  - 4.6m at 5.8 g/t Au from 121.9m
  - 4.6m at 4.7 g/t Au from 155.4m
  - 3.0m at 6.5 g/t Au from 140.2m
- At **Beadles Creek** intersections included:
  - 18.3m at 6.2 g/t Au from 140.2m
  - 9.1m @ 7.5 g/t Au, including 4.6m @ 10.9 g/t Au
  - 12.2m at 8.5 g/t Au from 150m
  - 7.6m at 4.0 g/t Au from 75m
- Follow up drill program to test strike extensions to be conducted in 2017

## Resource

Resource Category	Cut-off (g/t Au)	Metric Tonnes (Kt)	Grade (g/t Au)	Contained gold (ounces)
Measured	0.9	641	5.7	116,100
Indicated	0.8	4,762	2.2	343,300
Inferred	0.9	10,630	1.7	570,400
<b>Total</b>	<b>0.9</b>	<b>16,032</b>	<b>2</b>	<b>1,029,900</b>
Note: Appropriate rounding applied				

# 2016 Exploration – South Sammy

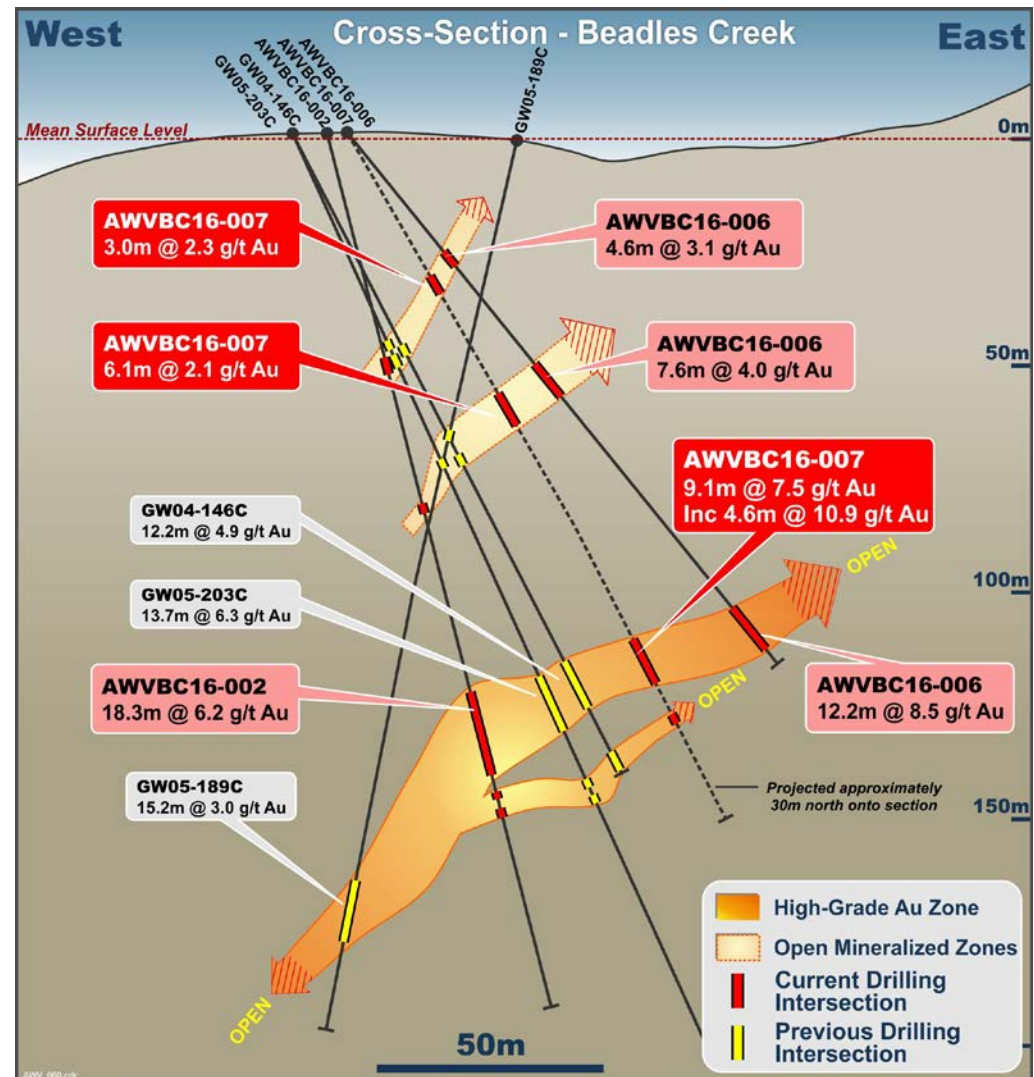
- **Objective:** Additional UG accessible high grade ounces at South Sammy.
- AWW16-055 and AWW16-061 extended existing, and discovered new high grade zones.
- Results include:
  - **10.7m @ 30.9 g/t Au from 113m**, including **3.0m @ 60.4 g/t Au** (AWW16-061)
  - **4.6m @ 9.6 g/t Au from 59m** (AWW16-055)
  - **4.6m @ 5.8 g/t Au from 122m** (AWW16-055)
- Results being incorporated into updated mine designs.



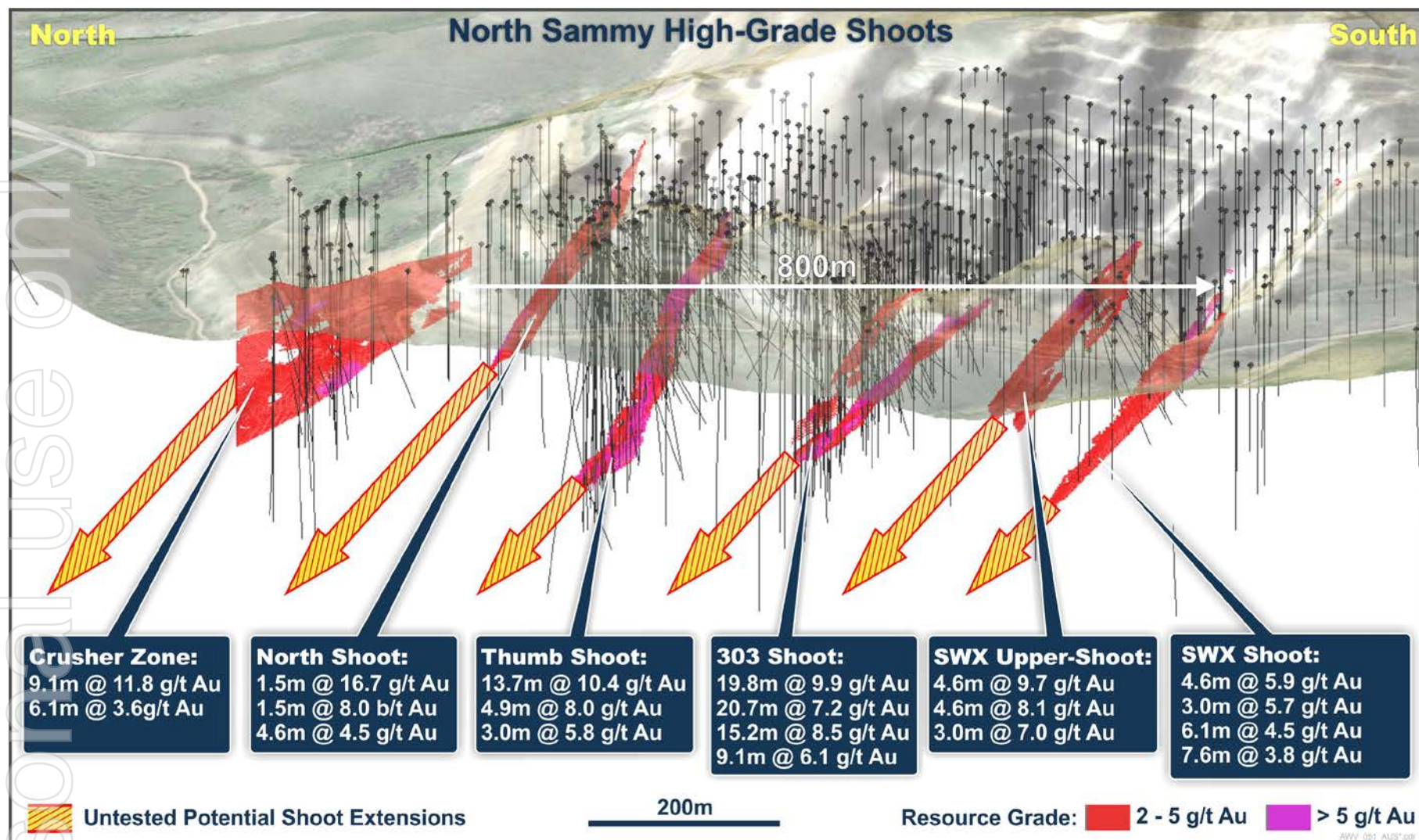


# 2016 Exploration – Beadles Creek

- **Objective:** Test up-dip and down dip extensions of a high grade shoot.
- Shoot intersected both up-dip and down-dip in all 7 holes completed.
- Results include:
  - 12.2m @ 8.5 g/t Au from 149m, including 7.6m @ 9.8 g/t Au (AWVBC16-007)
  - 9.1m @ 7.5 g/t Au from 134m, including 4.6m @ 10.9 g/t Au (AWVBC16-006)
  - 18.3m @ 6.2 g/t Au from 140m, including 7.6m @ 9.4 g/t Au (AWVBC16-002)
- Open along strike (northeast) and dip



# North Sammy Extension Targets





# Company Targets – 2017

- Grant of South Sammy approvals
- Implementation Planning
- Mine design optimisation
- Contractor re-quotation

- Mobilisation of mining contractor
- Site-works
- Commence mining of 601 open pit
- Commencement of exploration program

- Mobilise underground mining contractor
- Commence underground mining at 601 & 701
- Continue Exploration Drilling (North and South Sammy and Beadles)
- Submit North Sammy underground Mine Plan of Operations

Q1/17

Q2/17

Q4/17

# Summary

## Key Points

Permitting completed  
for South Sammy



Low CapEx to  
commence  
production



Open pit mining  
proposed to  
commence Q2 2017



First ore production -  
Q2 2017



Cashflow generation  
to fund expansion of  
operations and  
provide a return to  
shareholders



Exploration and  
resource definition  
drilling to commence  
Q2 2017



Nevada an excellent  
mining jurisdiction





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