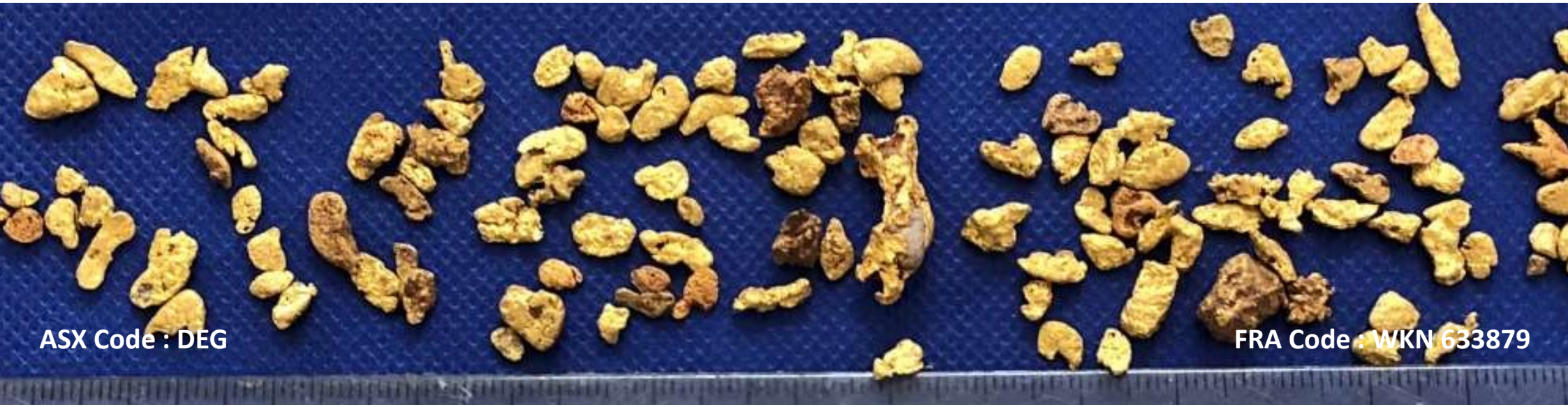
Pilbara Conglomerate Gold Conference
De Grey's X factor

March 2018



Statements

Competent Persons Statements

The information in this report that relates to **Exploration Results for the Turner River Project and Indee Gold Project** is based on, and fairly represents information and supporting documentation compiled by Mr Andy Beckwith, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy. Mr Beckwith is a consultant to De Grey Mining Limited. Mr Tornatora has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves". Mr Beckwith consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

The Information in this report that relates to **Mineral Resources for the Turner River and Indee Gold Projects** is based on information compiled by Mr Paul Payne, a Competent Person who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Payne is a full-time employee of Payne Geological Services. Mr Payne has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Payne consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. De Grey advises that no material changes have occurred to the resource estimates since the date of publication of September 2017. (Refer ASX Release "Pilbara Gold Project increases gold resources by >20% to over 1.2Moz", 28 September 2017.)

Forward Looking Statements

Statements regarding De Grey's plans with respect to the mineral properties, resource reviews, programmes, economic studies and future development are forward-looking statements. There can be no assurance that De Grey's plans for development of its mineral properties will proceed any time in the future. There can also be no assurance that De Grey will be able to confirm the presence of additional mineral resources/reserves, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of De Grey's mineral properties.

Indee Gold Option Agreement

De Grey has executed a Share Sale purchase Agreement on 9 February 2018, to acquire 100% of the Indee Gold Pty Ltd, holder of the Indee Gold Project tenements. Under the executed Share Sale Agreement, the total acquisition price is A$15 Million, with payments of and Initial Exclusivity Fee of $100,000 (paid in Jan 2017), Initial Deposit of $1.5 Million (paid on SSA execution - 9 February 2018); $10.4 Million to be paid on Settlement scheduled for 24 January 2019 and $3 Million of Consideration Shares (new De Grey fully paid ordinary shares) to be issued on Settlement. De Grey has the right to extend Settlement by 6 months to 24 July 2019 by payment of an Extension Deposit of $700,000, before 24 January 2019, which would reduce the cash payable at Settlement to $9.7 Million.

Corporate Snapshot

DE GREY MINING LTD

Evidence of fine gold (<1.7mm) from historic working at Loudens

Capital Structure (31 Dec 2017)

Ordinary Shares	325M
Listed Options ($0.10, 30/11/18)	53M
Unlisted Options (Various)	66M
Market Cap ($0.14)	$45M
Share Price	$0.14
Cash	6.1M*
Enterprise Value	$39M

*$1.5M Jan 2018 Indee Gold deposit paid

Board & Management

Simon Lill - Exec Chairman (Corporate)

Andy Beckwith - Exec Technical (Geologist)

Brett Lambert - NED (Mining Engineer)

Steve Morris - NED (Corporate)

Impact of Conglomerate Gold

Sept 2017 Kirkland Lake Gold invest $5M to become 10% shareholder of DEG

Watermelon seed shaped nuggets

De Grey's Point of Difference

DE GREY MINING LTD

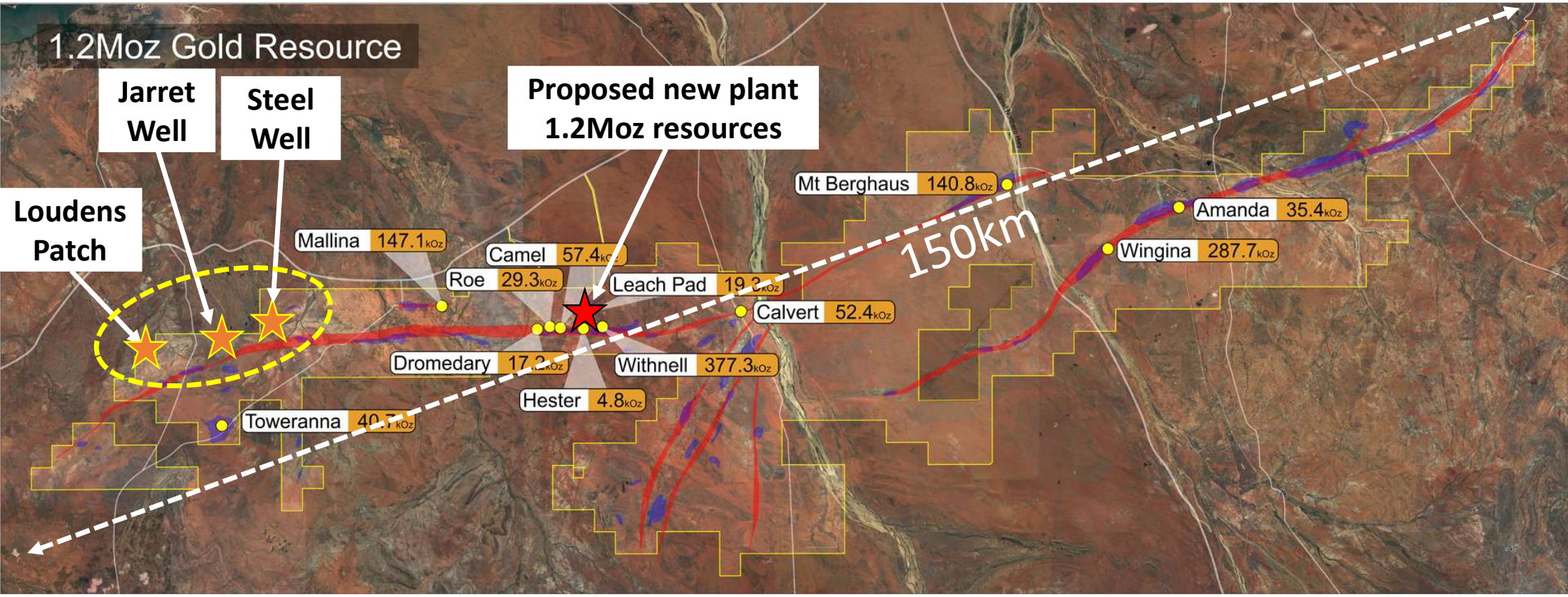
Conglomerate Gold "X factor" backed by near term development based on already defined 1.2Moz Au.

Pilbara Gold Project, Australia

- ✓ **Low risk Australian gold asset +1.2Moz Au and growing**
- ✓ **Near term development opportunity**
  - ➢ **Positive scoping study economics**
  - ➢ **PFS underway** – initial simple open pit strategy with HG underground to come
  - ➢ **Increasing resources with drilling underway**
  - ➢ **Excellent exploration pipeline including Conglomerate Gold**
- ✓ **Advanced Conglomerate Gold Targets**
  - ➢ **3 x Conglomerate Gold Targets** – Loudens, Jarret and Steel Well
- ✓ **Upside from new lithium pegmatite drilling and zinc resources**

Conglomerates - an economic game changer?

Conglomerate gold targets, potential high grade deposits, all within easy trucking distance of proposed new processing plant.

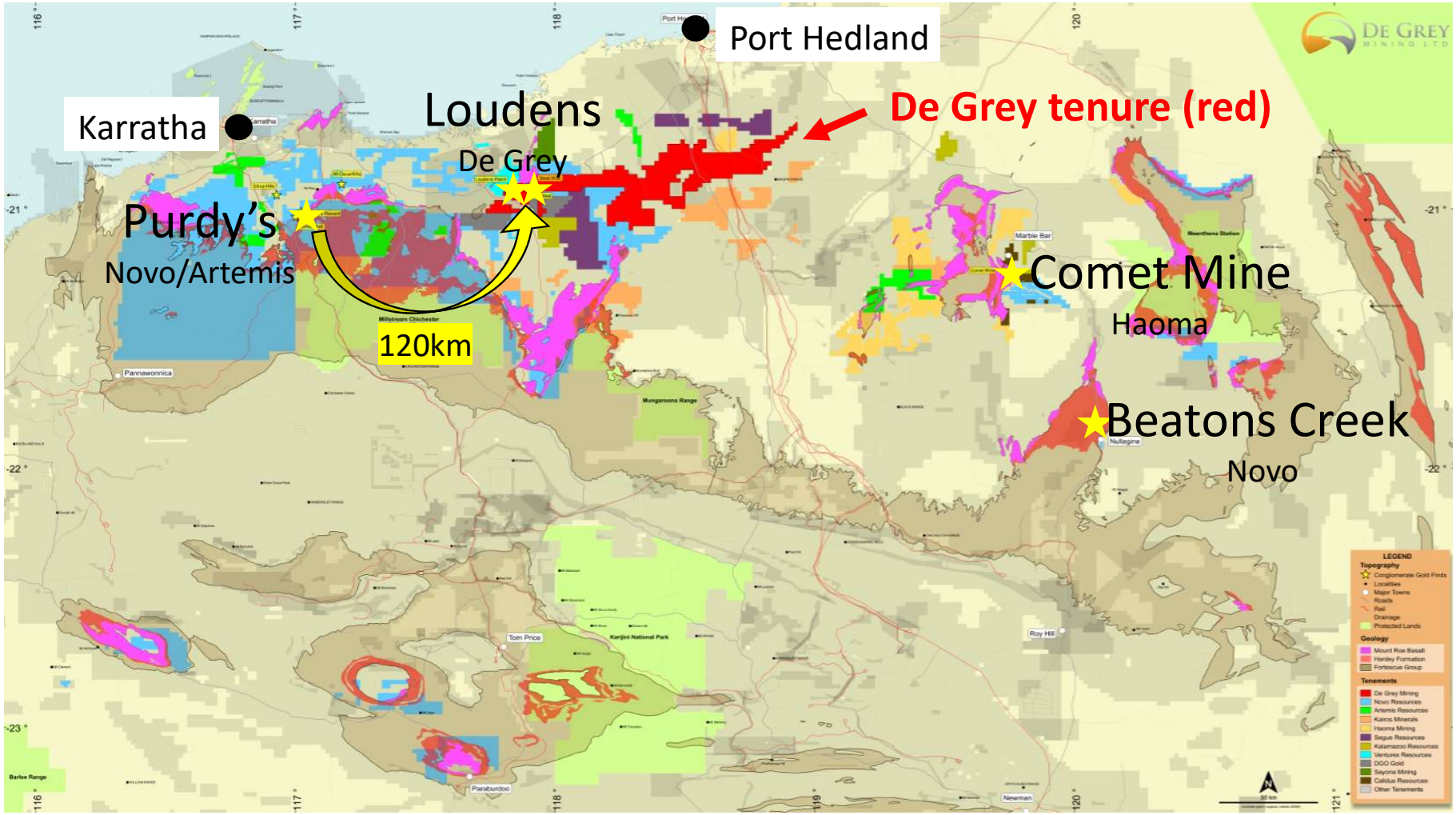


Bonus to current Development Opportunity

Total Resources (JORC)	**23.88Mt @ 1.6g/t for 1,210,000 ounces Au**	(Fresh 750,400oz, Oxide 459,600oz)
Measured	4.46Mt @ 1.7g/t for 249,600 ounces Au	(Fresh 200,200oz, Oxide 49,400oz)
Indicated	7.15Mt @ 1.5g/t for 340,900 ounces Au	(Fresh 223,300oz, Oxide 117,600oz)
Inferred	12.26Mt @ 1.6g/t for 619,600 ounces Au	(Fresh 477,800oz, Oxide 141,800oz)

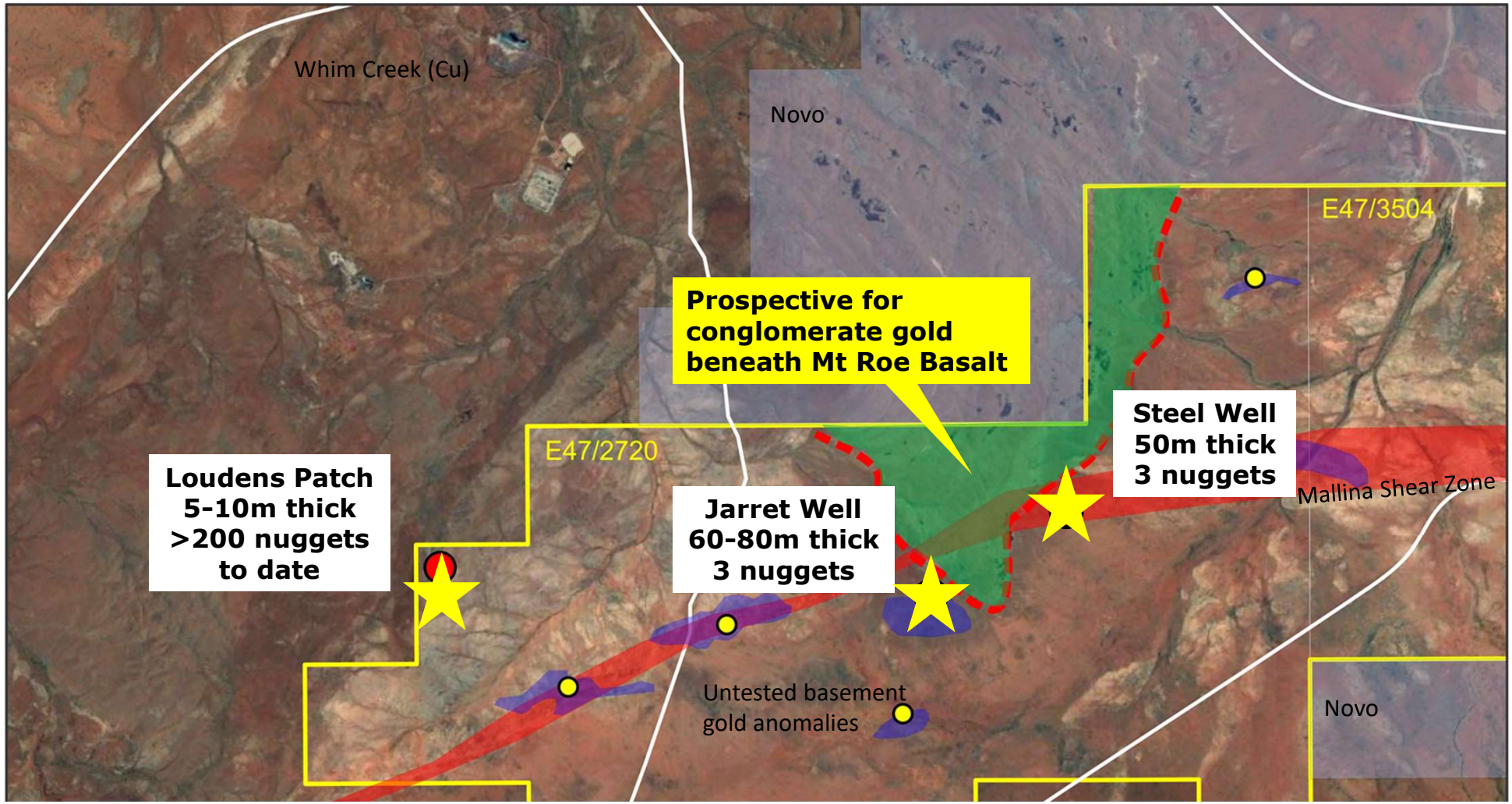
Conglomerate targets provide added opportunity

Regional Scale Gold System



3 x Conglomerate Gold Targets Confirmed

Gold nuggets shedding from conglomerate outcrops and in streams, 9km remains to be tested

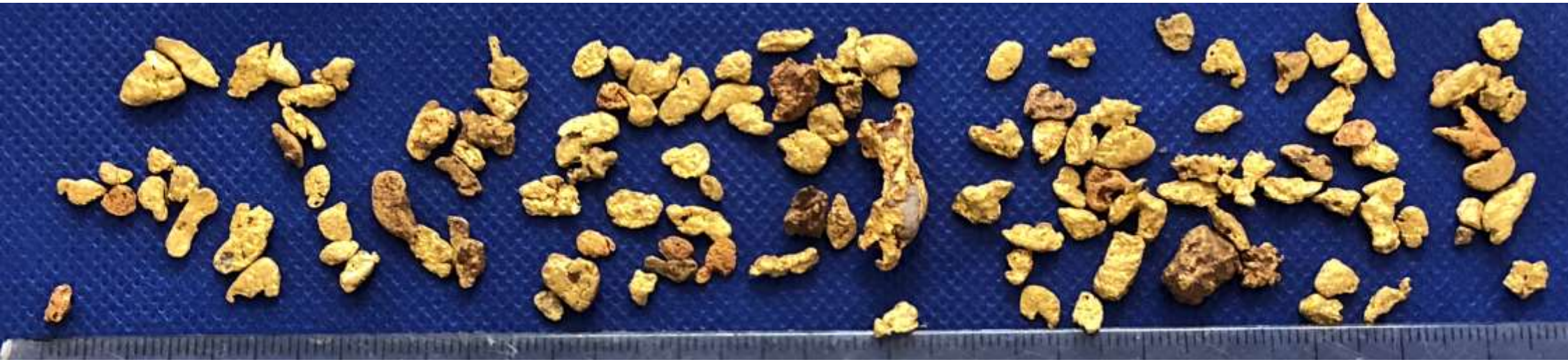


Loudens Patch

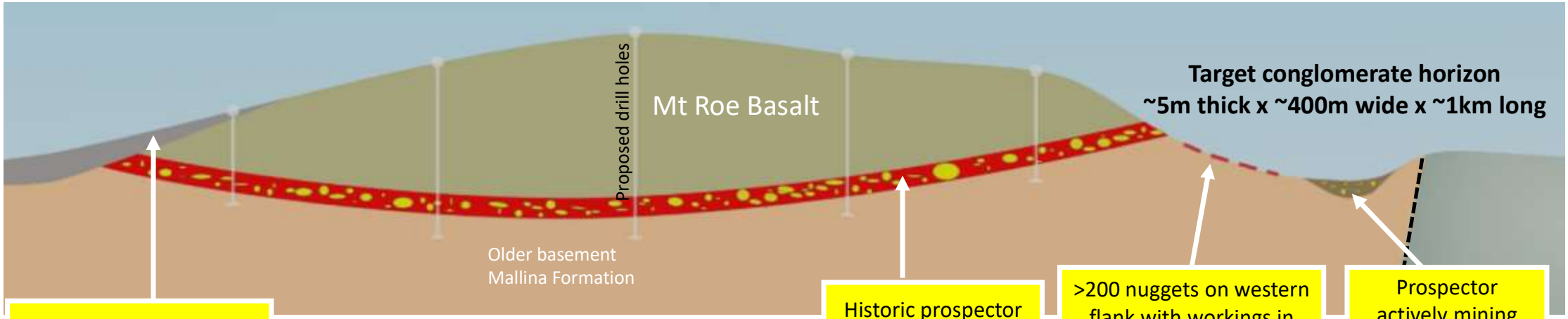
Initial discovery
91 nuggets first detected at Loudens

Pitted, waterworn, folded, rounded to "water melon seed" shaped

Now, in excess of 200 nuggets by metal detecting at Loudens



Loudens Patch – Highest Priority

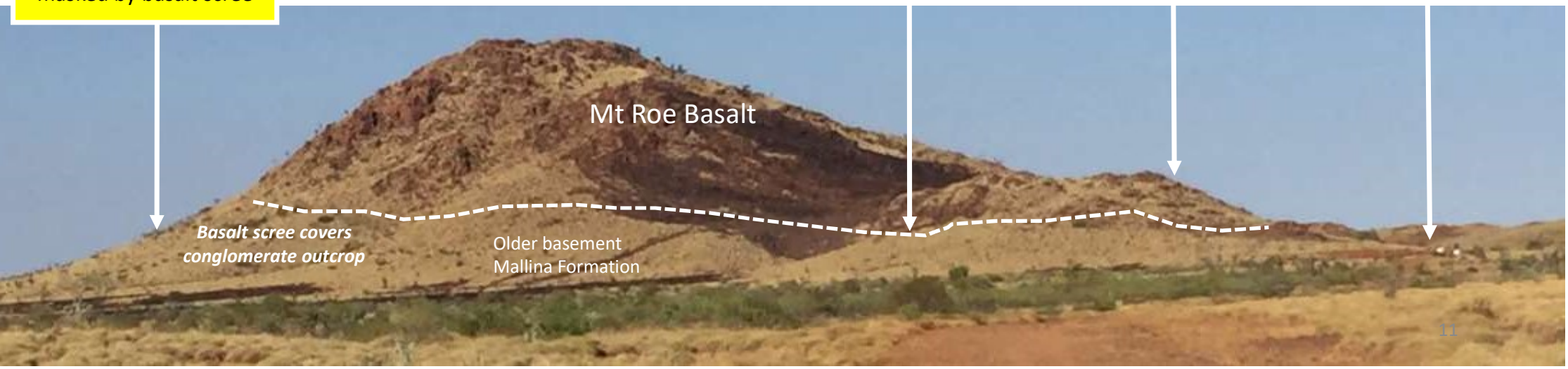


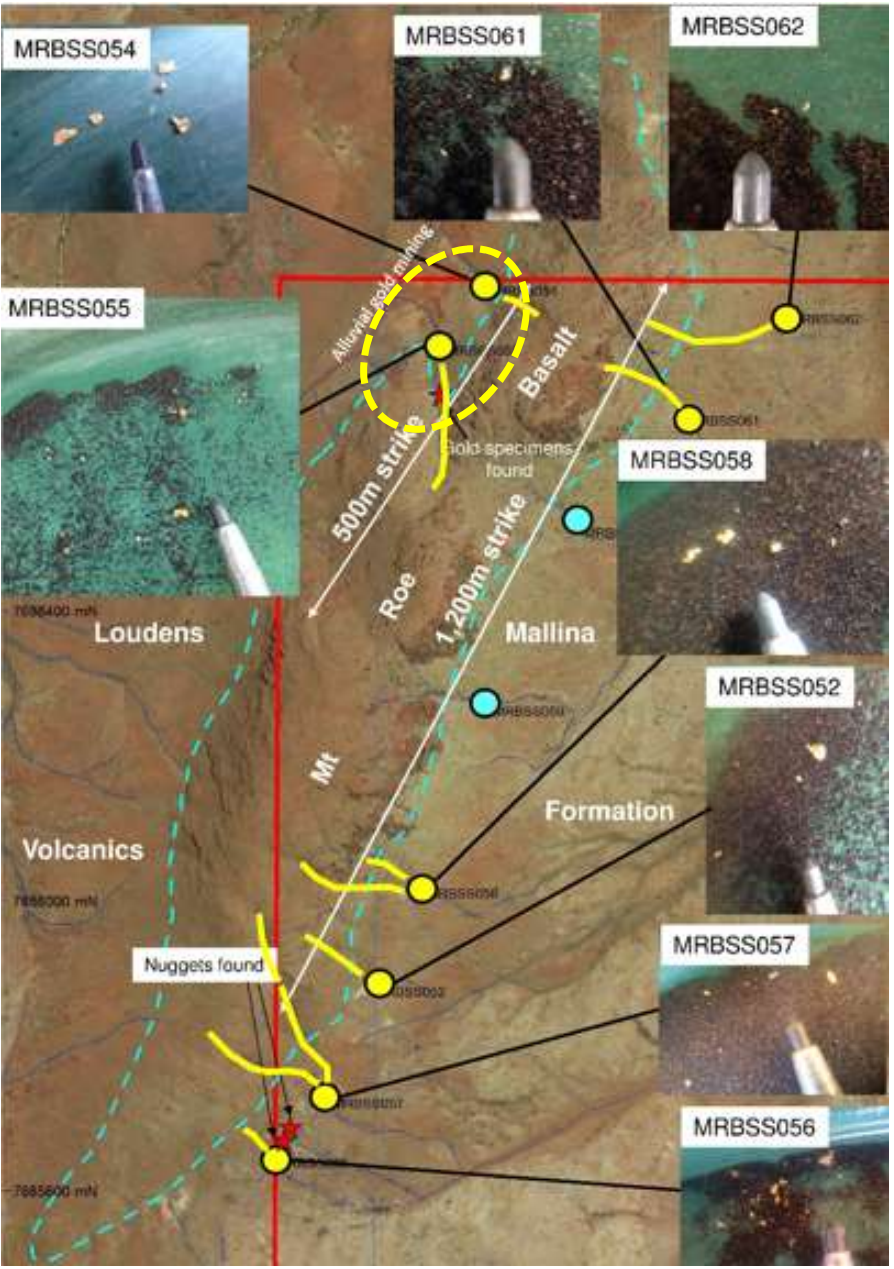
Interpreted flat lying conglomerate horizon masked by basalt scree

Historic prospector workings at base of conglomerate

>200 nuggets on western flank with workings in conglomerate (400m further south)

Prospector actively mining alluvial gold from western creek





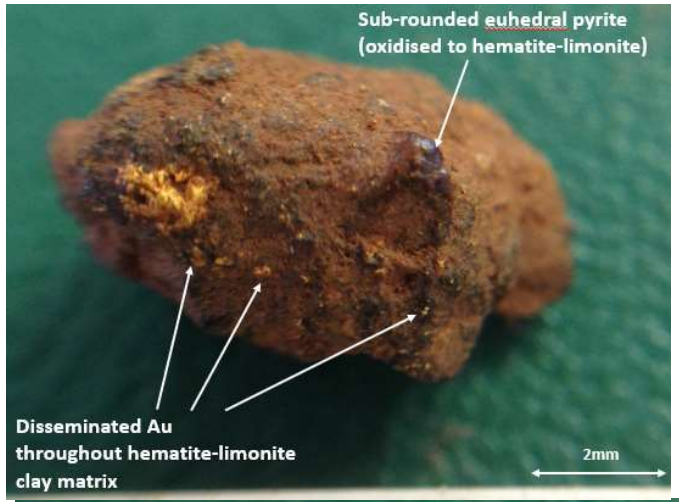
Loudens Patch

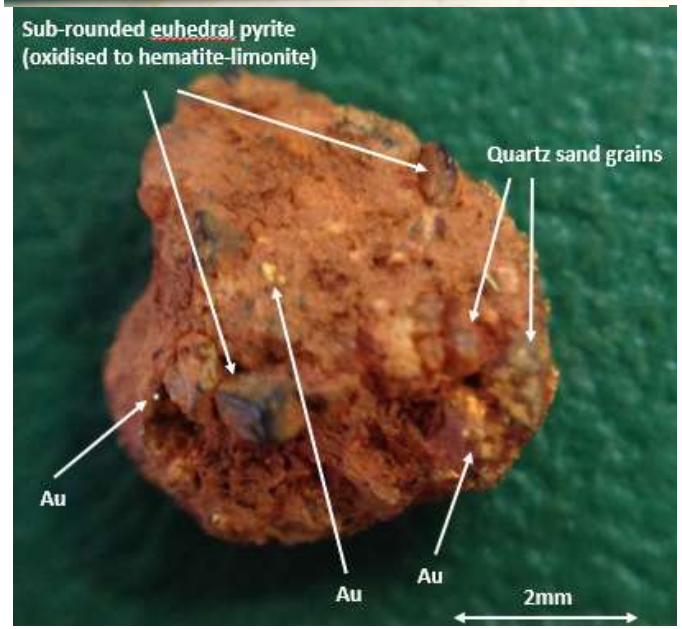
Positive Stream Sampling

- Recent stream sediment sampling provides reliable and repeatable sampling media.
- Larger sample volume important (15kg used)
- Sieved to smaller size fraction (minus 1.7mm) to reduce dilution by larger unmineralised rock fragments
- Concentrated for “in-field” visual identification
- Allows rapid follow-up
- Positive or negative result through “gold colours”

- Back to sampling basics
- Essentially how the old timers did it!!

Loudens Patch – Gold Specimens



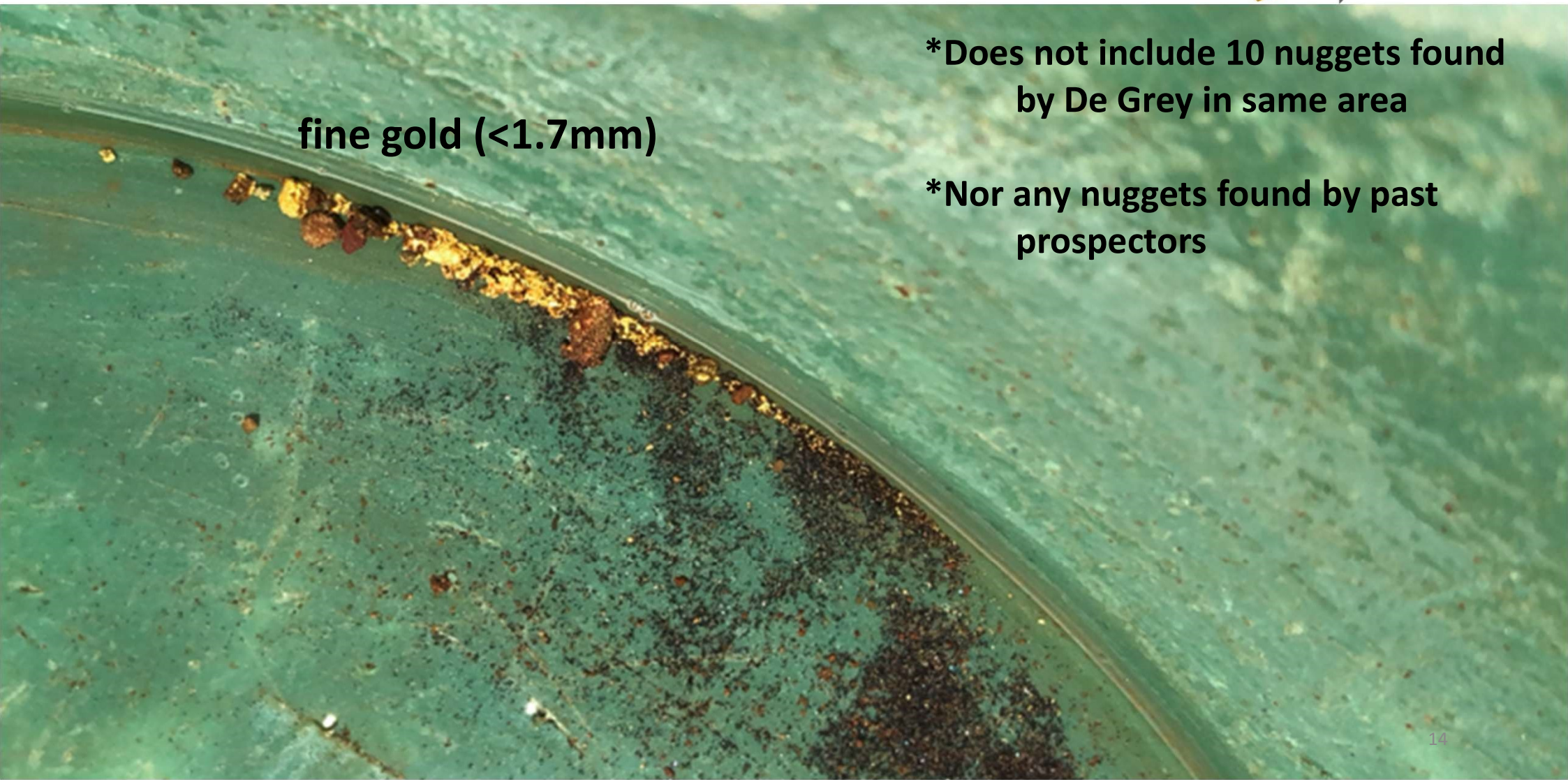


Similar features to Purdy's Reward & Comet Well

First physical evidence gold hosted in conglomerate sequence.

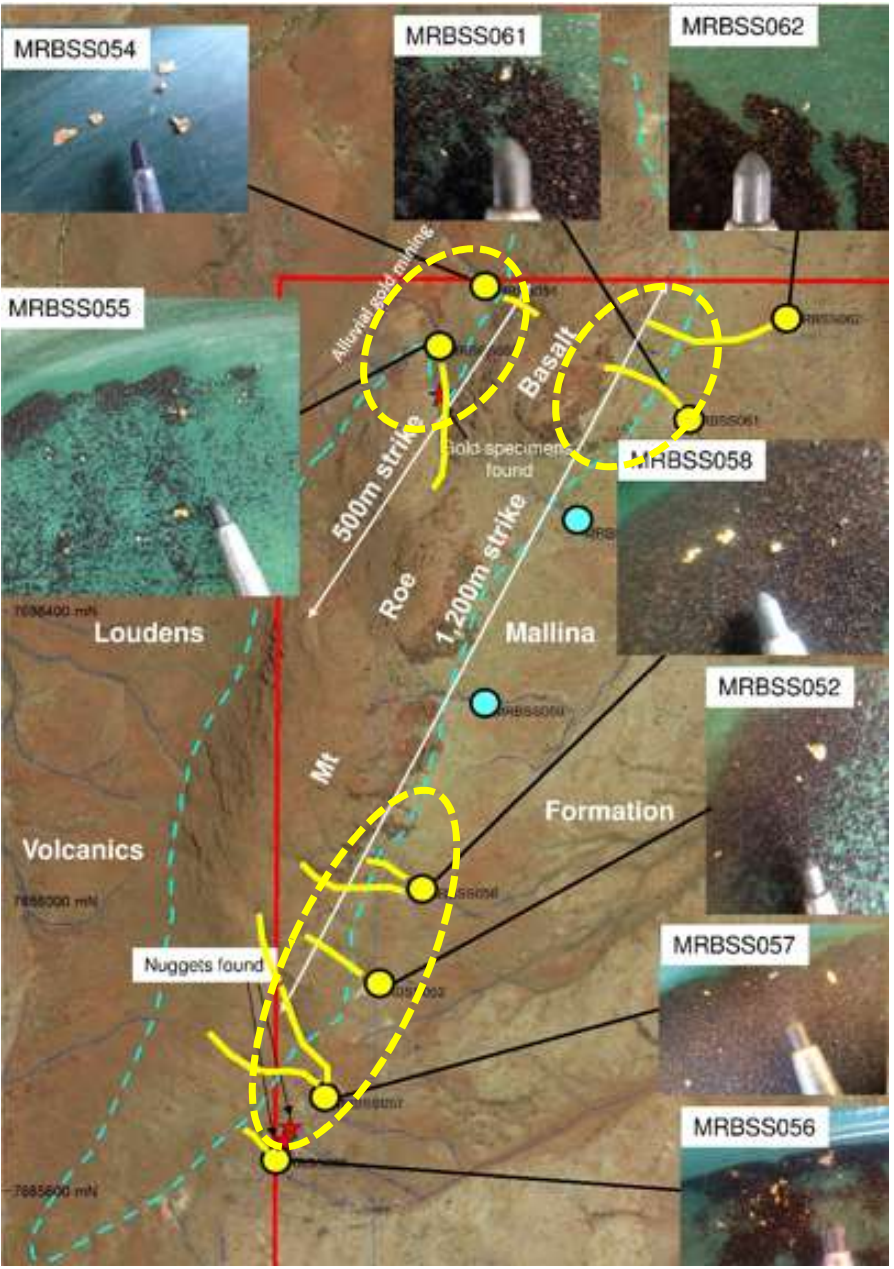
- Intact gold nugget
- Outer fined grained "halo" gold
- Pyrite pseudomorphs
- Chlorite alteration
- Laminated finer grained clastic sediments.

Fine Gold in 100kg sample



*Does not include 10 nuggets found by De Grey in same area

*Nor any nuggets found by past prospectors



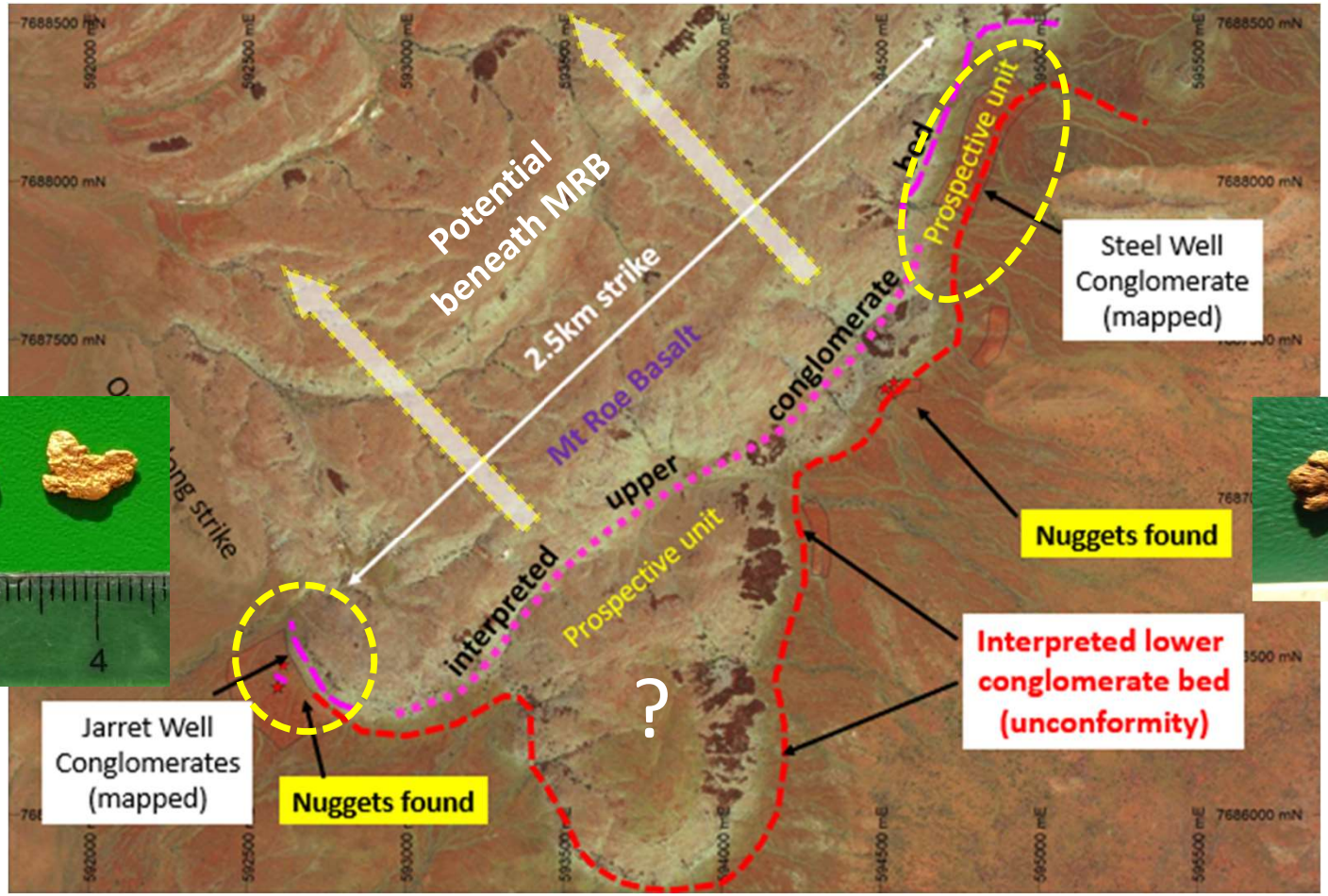
Loudens Patch

Bulk Sampling

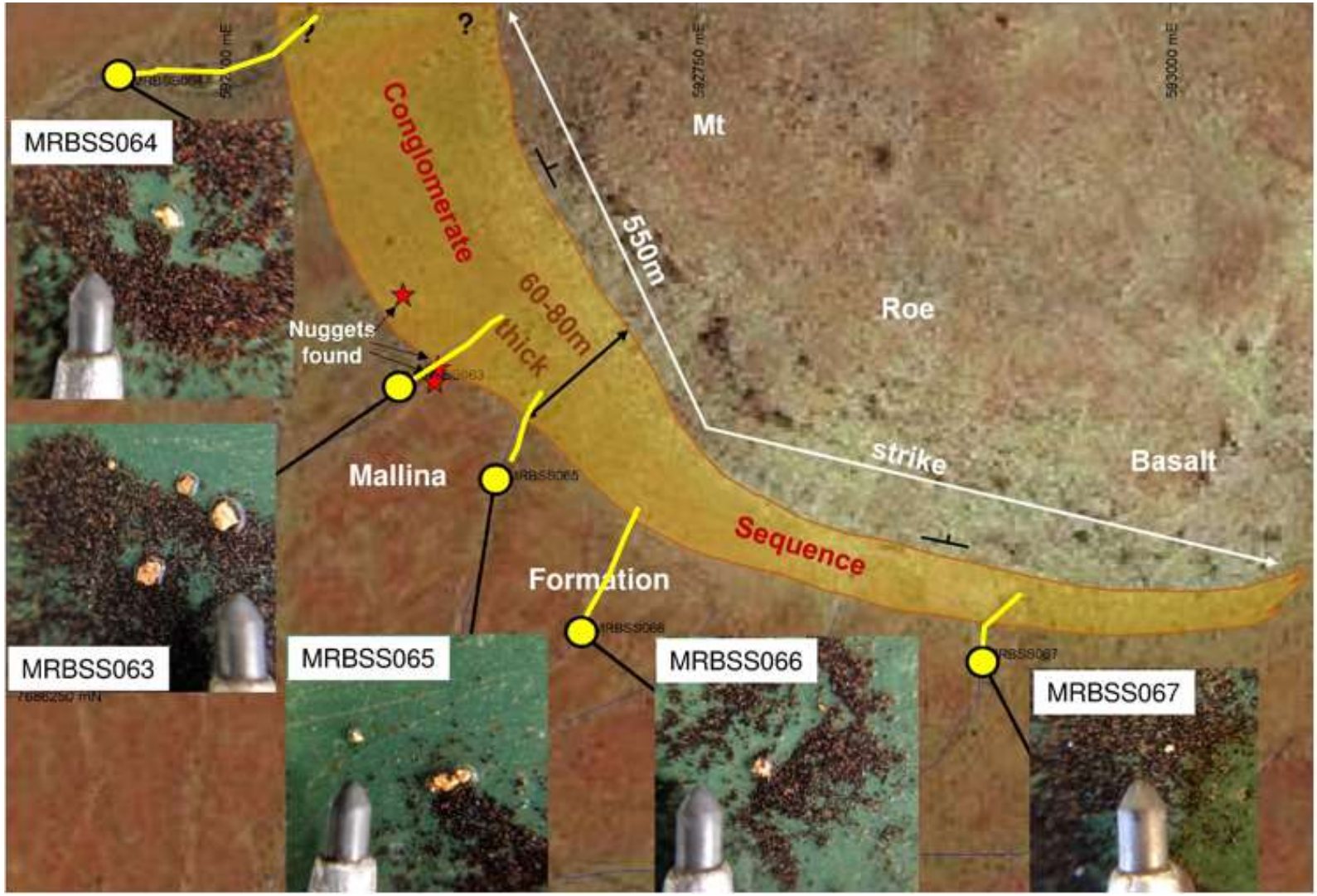
- Heritage Survey pending
- Excavator to expose conglomerates along rim of range
- Target northern and southern anomalous areas
- Large volume panel sampling
- Define preferred geological horizon(s)
- Metal detecting
- Detailed geological mapping
- Expect to carry out initial “in-field” coarse gold identification similar to stream sediment sampling
- Follow-up analytical and certified bulk sampling to accredited laboratory

Jarret and Steel Well Conglomerates

Large scale (>10km^2), thick (up to ~80m) outcropping conglomerate sequence dipping below Mt Roe Basalt



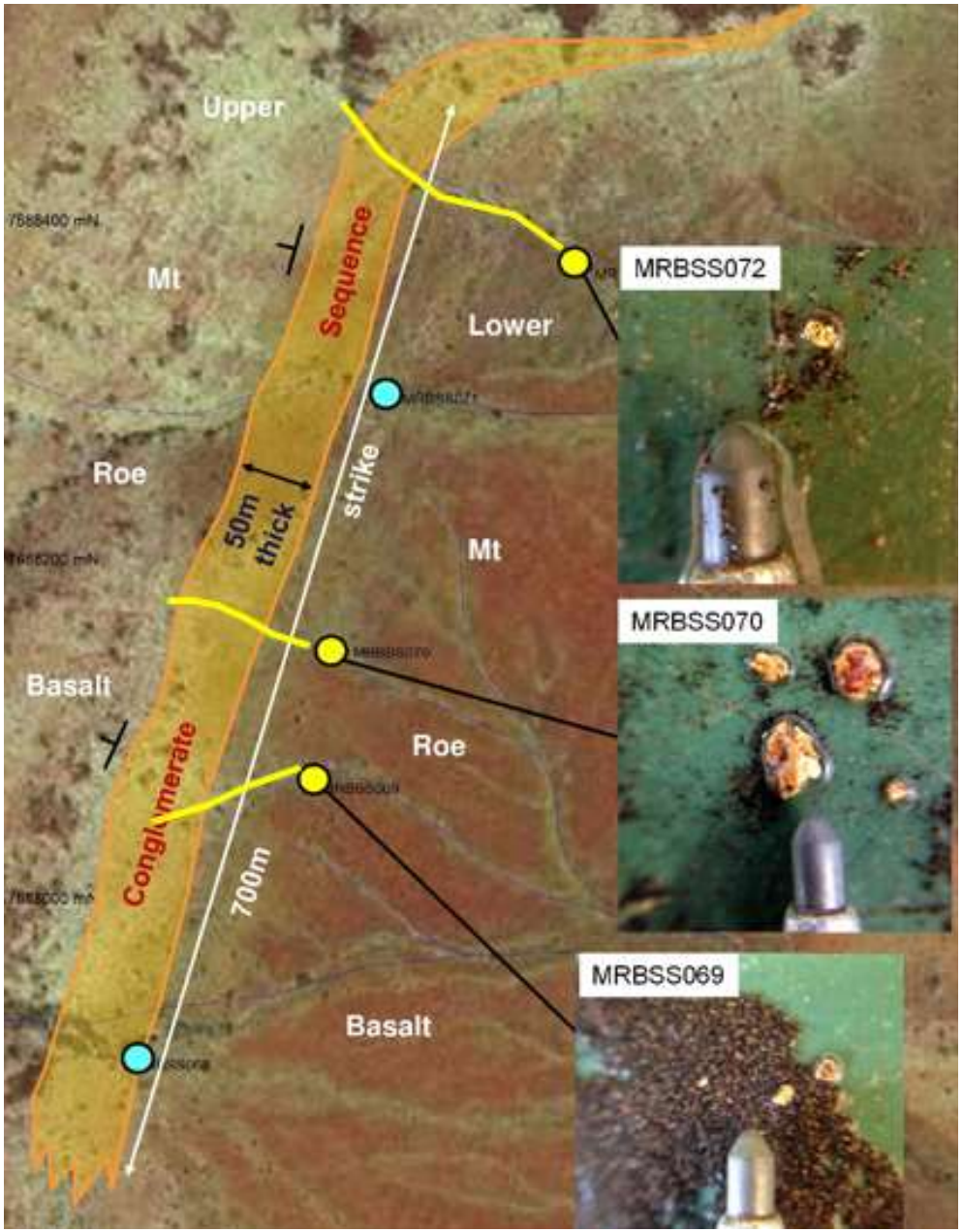
Jarret Well – Positive Stream Sampling



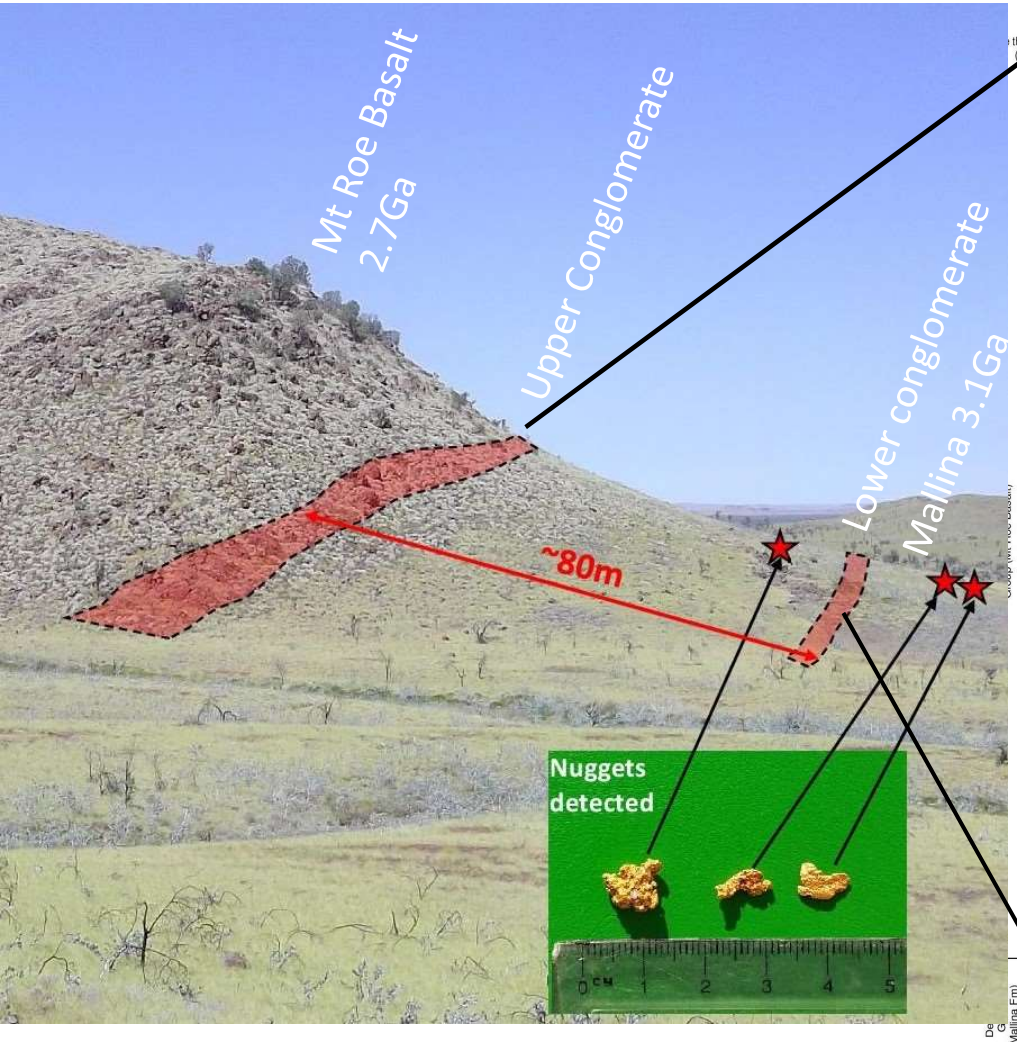
Steel Well

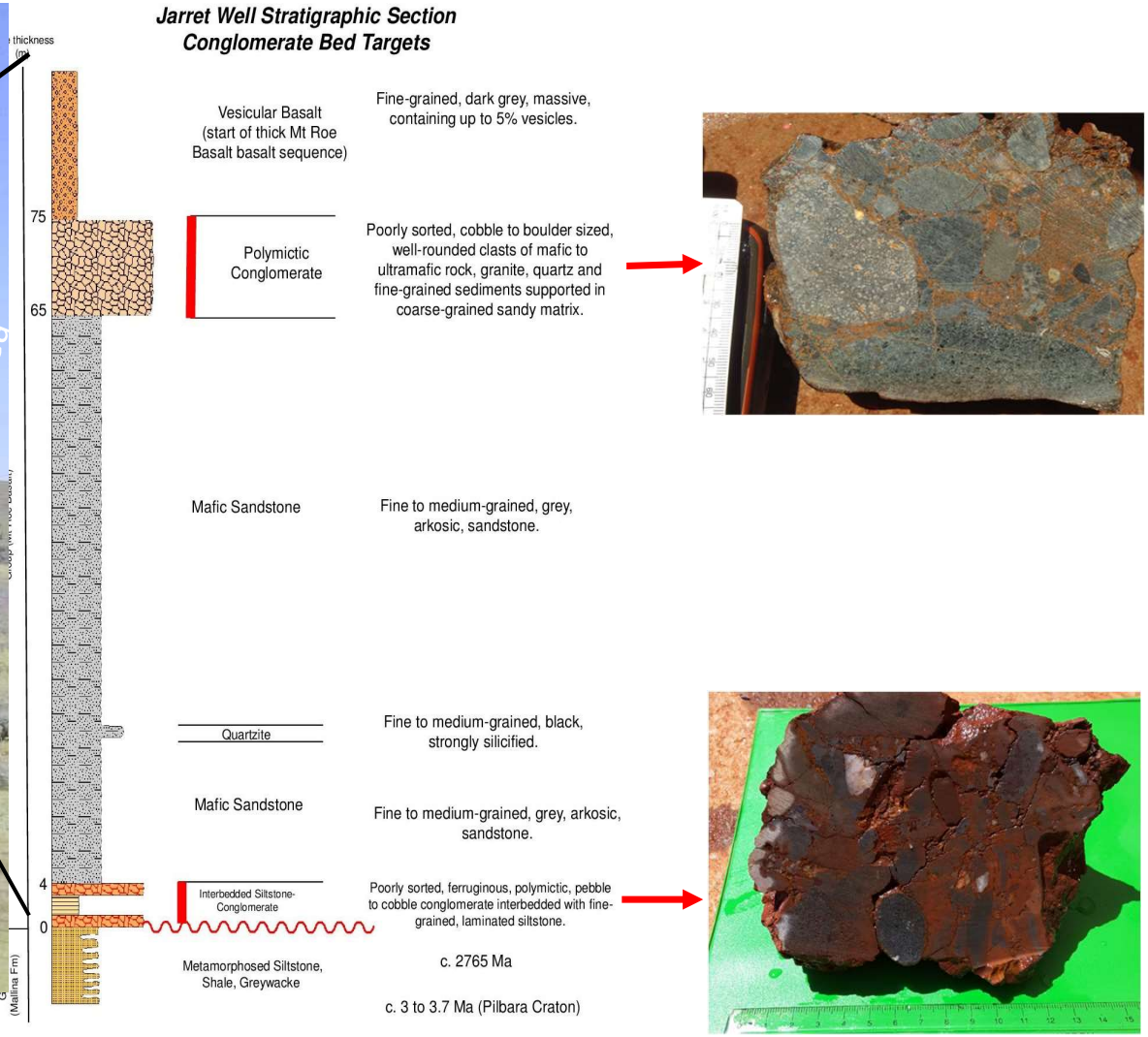
Positive Stream Sampling

- 3 from 5 samples
- > 700m strike
- 3 nuggets previous located 500m to south
- Mallina outcrops ~500m to east
- Vesicular basalt at base of known sequence
- Is there a lower conglomerate sequence to east under cover



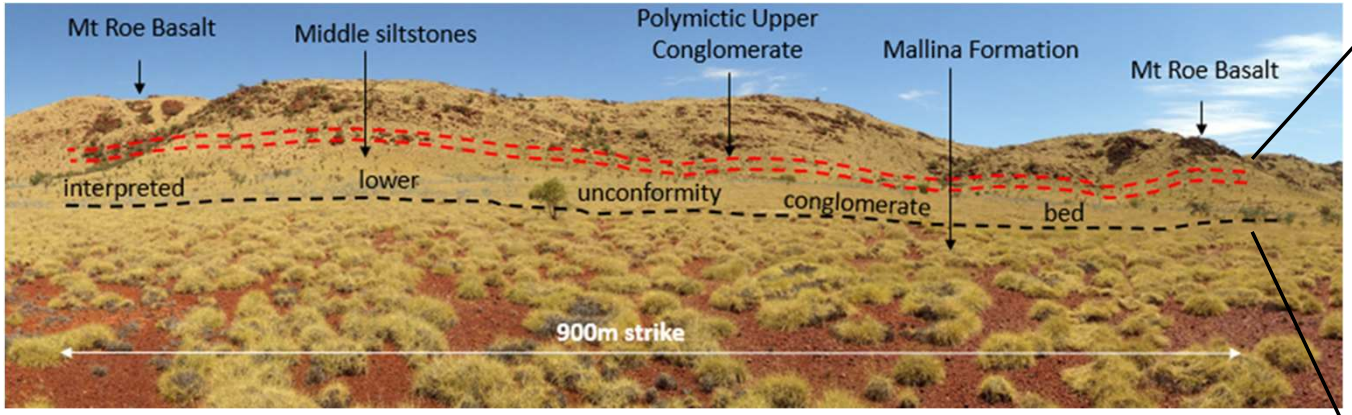
Jarret Well - Stratigraphy

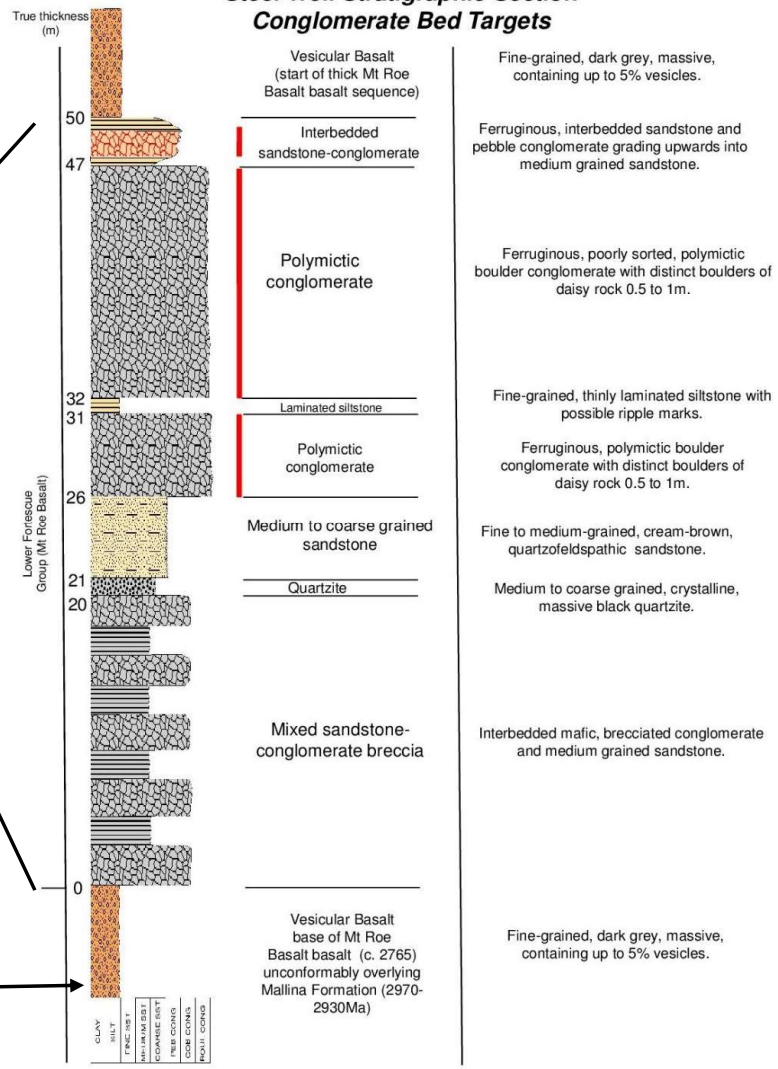




Steel Well - Stratigraphy

Gold shedding from this 700m strike
Nuggets found 500m south
Are we looking at the basal conglomerate?





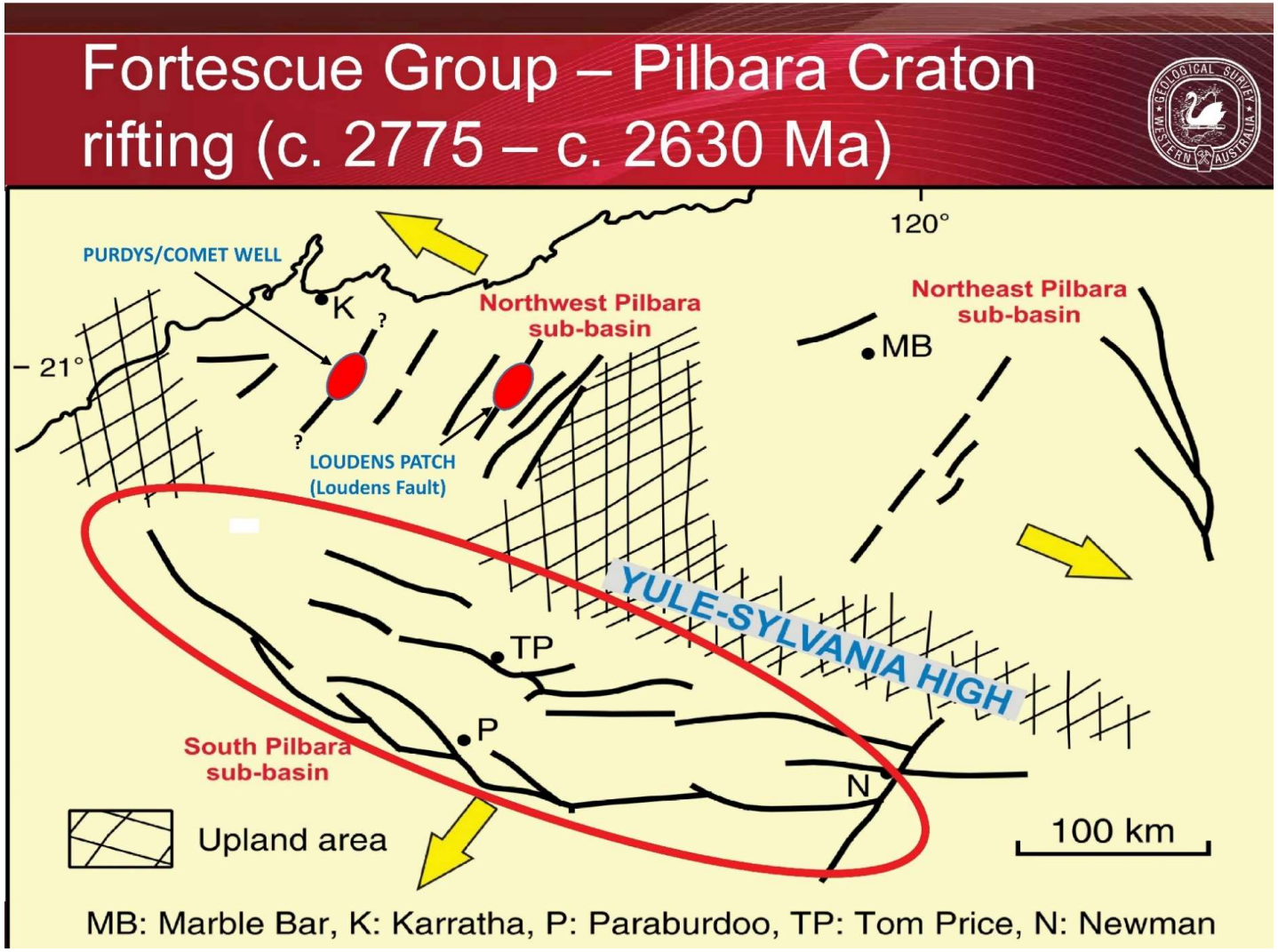
Lower vesicular basalt
Is there more conglomerate sequence under cover to east?

Importance of Regional Architecture

Northwest Pilbara Sub-basin

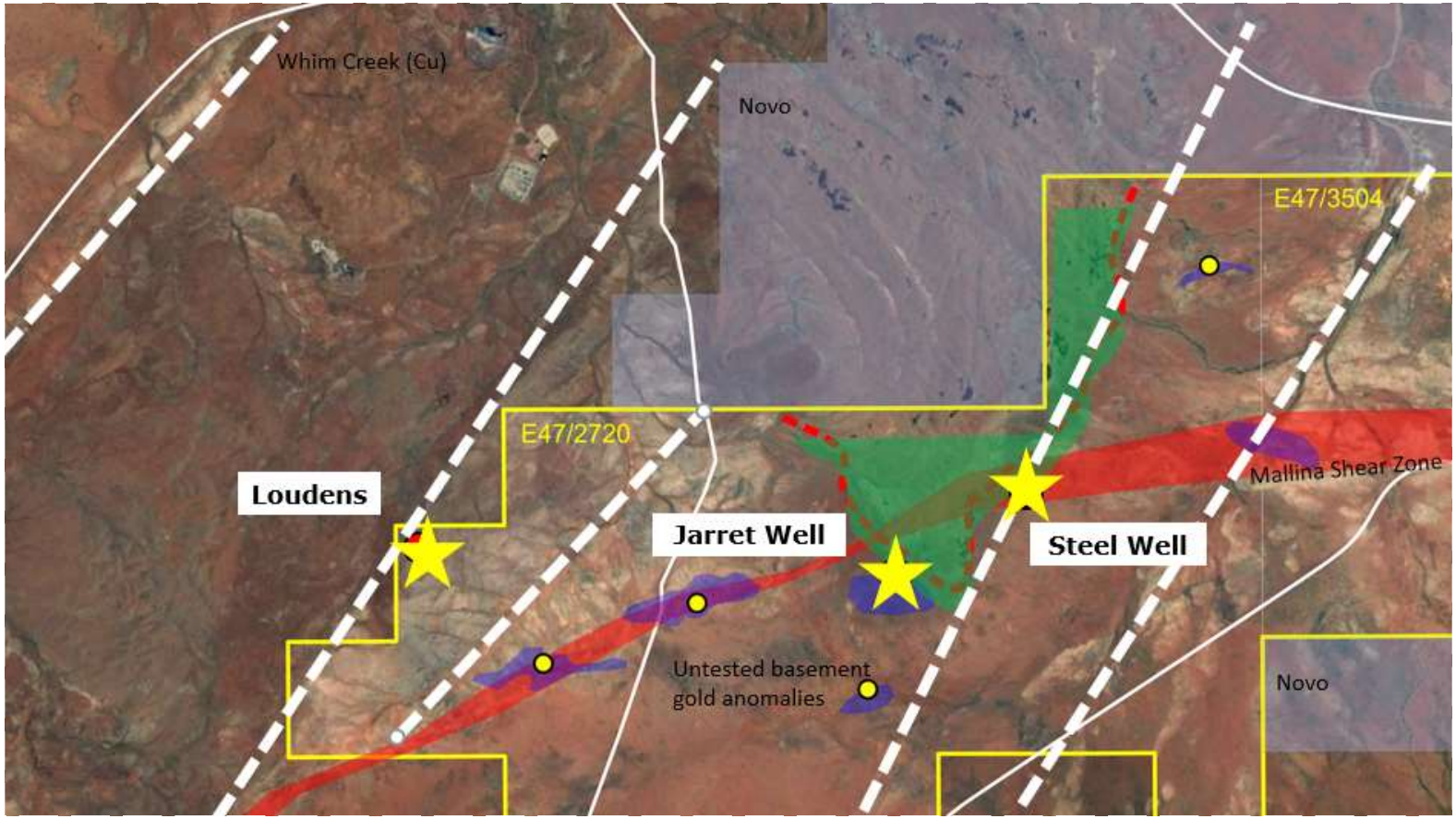
- NE trending structures
- Early graben development
- WNW – ESE crustal rifting (>2780Ga)
- Opening up of NE structures
- Grabens filled with conglomerates
- NE gold mineralised structures , hydrothermal veining and alteration
- Are NE structures the plumbing for hydrothermal gold input into basins?
- Mt Roe Basalt floods along structures

➢ NE controls evident in older basement rocks and deposition of gold mineralisation



NE Graben Development

- Conglomerate deposited in NE controlling grabens
- Preservation also controlled by NE structures
- Potential source of gold and hydrothermal activity?



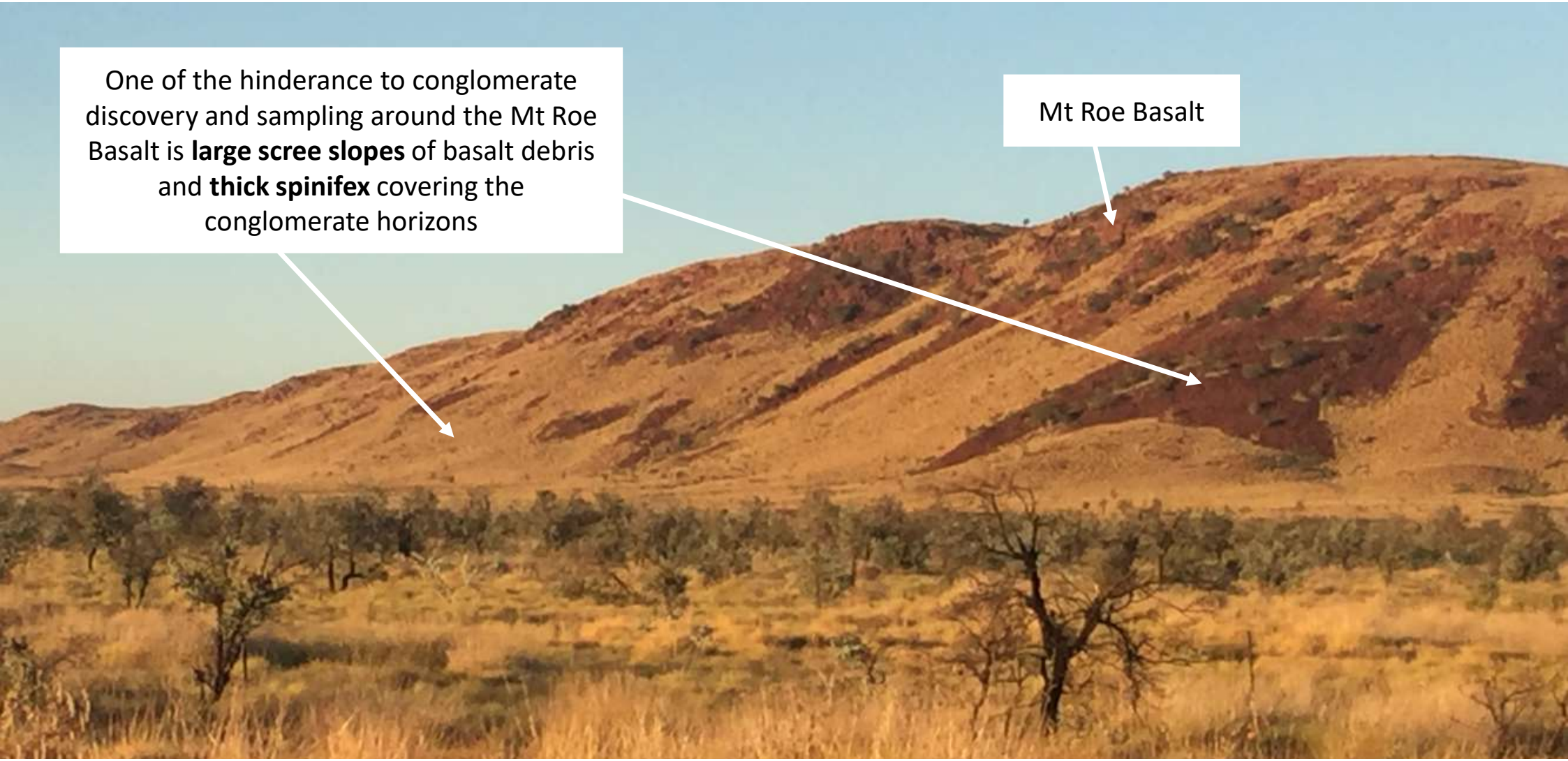
Gold Precipitation or Hydrothermal Activity

Did hydrothermal activity aid gold enrichment along regional structures?

Pervasive chlorite alteration of Mallina Formation adjacent to Loudens Fault

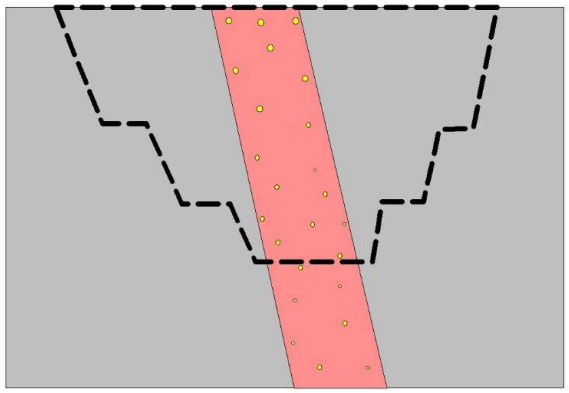
High level quartz veining near base of Mt Roe Basalt at Loudens Patch

Conglomerate Gold Challenges



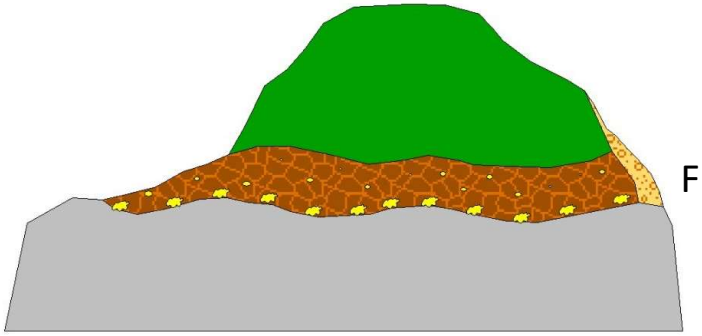
Conglomerate Gold Bulk Sampling the Key

Structural Gold

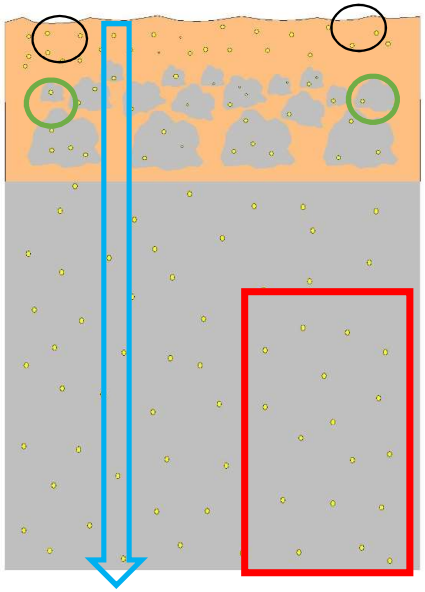


Sub vertical

Conglomerate Gold



Flat lying to dipping

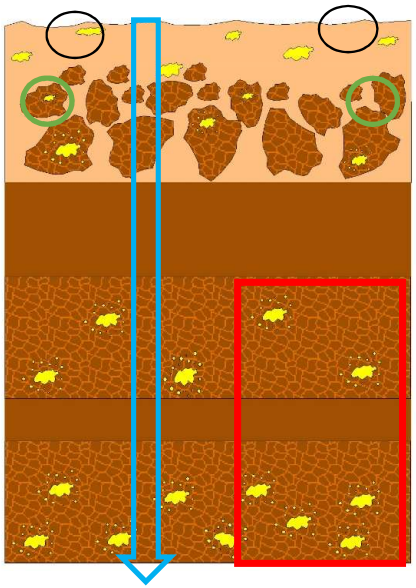


Soil sampling likely

Rock Chip sampling likely

Drilling - high probability representative

Bulk Sampling Highest probability

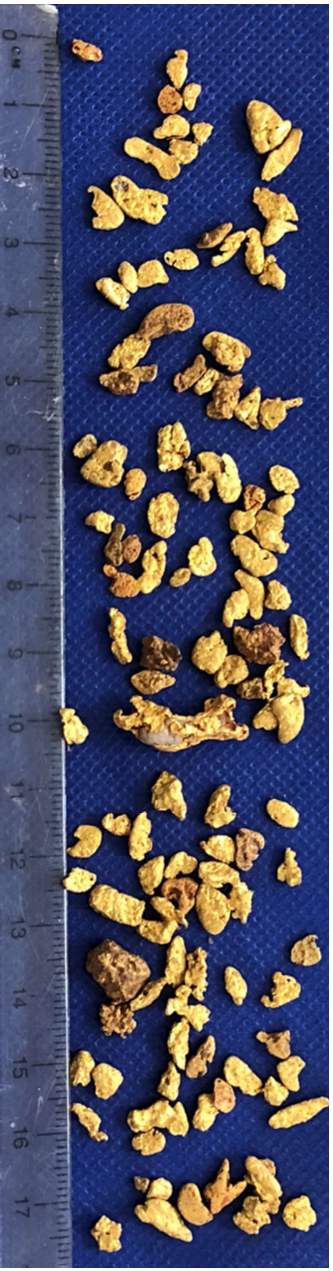


Soil sampling hit or miss

Rock Chip sampling Hit or miss

Drilling - low probability representative

Bulk Sampling Highest probability



Positive Financial Impacts

- ✓ **Resources now 1.2Moz**
- ✓ **Pre-Feasibility Study underway**
  - Stage 1 Open Pit Mining
  - Additional high grade underground mining potential
  - Additional conglomerate gold potential
- ➢ **Grade is King - substantial positive financial impact**
  - Cheap unit processing costs
  - Improves funding options
- ➢ **Longer mine -life**
  - Any new resources adds to overall mine-life
- ➢ **Proposed CIL plant suitable for conglomerate gold**
  - Minimal extra capex
  - Easy trucking distance

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www.degreymining.com.au

Total Resources (JORC 2012), Sept 2017

(Refer ASX Release "Pilbara Gold Project increases gold resources by >20% to over 1.2Moz", 28 September 2017)

DE GREY MINING LTD

Gold Resources

	Type	Measured			Indicated			Inferred			Total		
		Mt	Au g/t	Au Oz	Mt	Au g/t	Au Oz	Mt	Au g/t	Au Oz	Mt	Au g/t	Au Oz
Turner River Total	Oxide	2.68	1.8	152,100	0.72	1.4	31,400	1.72	1.3	72,000	5.12	1.6	255,500
	Fresh	0.40	1.6	20,500	0.48	1.6	24,200	3.69	1.4	163,600	4.57	1.4	208,400
	Total	3.08	1.7	172,700	1.20	1.4	55,600	5.41	1.4	235,600	9.69	1.5	463,900
Indee Total	Oxide	0.85	1.8	48,100	2.02	1.3	86,200	1.51	1.4	69,800	4.39	1.4	204,100
	Fresh	0.52	1.7	28,800	3.93	1.6	199,100	5.34	1.8	314,100	9.80	1.7	542,000
	Total	1.38	1.7	76,900	5.95	1.5	285,300	6.85	1.7	384,000	14.19	1.6	746,200
De Grey Total	Oxide	3.53	1.8	200,200	2.74	1.3	117,600	3.23	1.4	141,800	9.51	1.5	459,600
	Fresh	0.93	1.7	49,400	4.42	1.6	223,300	9.03	1.6	477,800	14.37	1.6	750,400
	Total	4.46	1.7	249,600	7.15	1.5	340,900	12.26	1.6	619,600	23.88	1.6	1,210,000

Base Metal Resources

	Class	Tonnes	Zn	Pb	Cu	Au	Ag	Zn	Pb	Cu	Au	Ag
		Mt	%	%	%	g/t	g/t	Metal Tonnes			Oz	kOz
Discovery Deposit	Indicated	0.41	3.7	1.7	0.2	1.6	140	15,200	7,100	700	20,600	1,900
	Inferred	0.98	2.6	1.0	0.1	0.8	108	25,100	10,000	900	25,800	3,400
	Total	1.39	2.9	1.2	0.1	1.0	118	40,300	17,100	1,700	46,400	5,300
Orchard Tank Deposit	Indicated	0.00	0.0	0.0	0.0	0.0	0	0	0	0	0	0
	Inferred	2.08	3.4	1.4	0.1	0.7	105	70,800	28,900	2,400	45,500	7,000
	Total	2.08	3.4	1.4	0.1	0.7	105	70,800	28,900	2,400	45,500	7,000
De Grey Total	Indicated	0.41	3.7	1.7	0.2	1.6	140	15,200	7,100	700	20,600	1,900
	Inferred	3.06	3.1	1.3	0.1	0.7	106	95,800	39,000	3,400	71,300	10,400
	Total	3.47	3.2	1.3	0.1	0.8	110	111,000	46,100	4,100	91,900	12,300

Total Resources (JORC 2012), Sept 2017

(Refer ASX Release "Pilbara Gold Project increases gold resources by >20% to over 1.2Moz", 28 September 2017)

Deposit	Type	Measured			Indicated			Inferred			Total		
		Mt	Au g/t	Au Oz	Mt	Au g/t	Au Oz	Mt	Au g/t	Au Oz	Mt	Au g/t	Au Oz
Calvert	Oxide				0.43	1.3	17,900	0.05	0.8	1,400	0.48	1.3	19,300
	Fresh				0.56	1.3	23,800	0.23	1.2	9,300	0.79	1.3	33,100
	Total				0.99	1.3	41,700	0.28	1.2	10,700	1.27	1.3	52,400
Camel	Oxide	0.14	3.1	14,000	0.26	3.0	25,100	0.11	1.6	5,500	0.51	2.7	44,600
	Fresh				0.03	1.7	1,600	0.20	1.7	11,200	0.23	1.7	12,800
	Total	0.14	3.1	14,000	0.29	2.9	26,700	0.31	1.7	16,700	0.74	2.4	57,400
Roe	Oxide	0.04	2.8	3,700	0.05	2.5	4,400	0.11	1.5	5,400	0.20	2.0	13,500
	Fresh	0.07	3.5	8,000	0.03	3.4	3,100	0.09	1.9	5,400	0.19	2.7	16,400
	Total	0.11	3.2	11,700	0.08	2.8	7,500	0.20	1.7	10,700	0.39	2.4	29,900
Dromedary	Oxide	0.10	2.2	7,200	0.03	1.6	1,400	0.04	1.6	2,200	0.17	1.9	10,800
	Fresh				0.03	1.6	1,700	0.08	1.8	4,700	0.12	1.7	6,400
	Total	0.10	2.2	7,200	0.06	1.6	3,200	0.12	1.7	6,900	0.29	1.9	17,200
Withnell	Oxide	0.57	1.3	23,300	0.22	1.6	11,400	0.15	1.1	5,400	0.94	1.3	40,000
	Fresh	0.45	1.4	20,900	2.57	1.8	145,200	2.41	2.2	171,200	5.43	1.9	337,300
	Total	1.02	1.3	44,100	2.79	1.7	156,600	2.56	2.1	176,600	6.37	1.8	377,300
Hester	Oxide							0.07	1.6	3,500	0.07	1.6	3,500
	Fresh							0.03	1.2	1,300	0.03	1.2	1,300
	Total							0.10	1.5	4,800	0.10	1.5	4,800
Mallina	Oxide				0.18	1.2	6,700	0.85	1.2	34,000	1.02	1.2	40,700
	Fresh				0.72	1.0	23,700	2.00	1.3	82,800	2.72	1.2	106,400
	Total				0.90	1.1	30,300	2.85	1.3	116,800	3.74	1.2	147,100
Toweranna	Oxide							0.14	2.7	12,500	0.14	2.7	12,500
	Fresh							0.29	3.1	28,300	0.29	3.1	28,300
	Total							0.43	2.9	40,700	0.43	2.9	40,700
Leach Pad	Oxide				0.86	0.7	19,300				0.86	0.7	19,300
	Fresh												
	Total				0.86	0.7	19,300				0.86	0.7	19,300
Wingina	Oxide	2.68	1.76	152,100	0.65	1.3	27,000	0.34	1.3	14,400	3.67	1.6	193,500
	Fresh	0.40	1.59	20,500	0.34	1.5	16,300	1.08	1.7	57,400	1.82	1.6	94,200
	Total	3.08	1.74	172,700	0.99	1.4	43,300	1.42	1.6	71,700	5.49	1.6	287,700
Mt Berghaus	Oxide				0.07	2.0	4,400	1.24	1.3	50,000	1.30	1.3	54,400
	Fresh				0.14	1.7	7,900	2.07	1.2	78,500	2.21	1.2	86,400
	Total				0.21	1.8	12,300	3.30	1.2	128,500	3.52	1.2	140,800
Amanda	Oxide							0.15	1.6	7,600	0.15	1.6	7,600
	Fresh							0.54	1.6	27,800	0.54	1.6	27,800
	Total				0.86	0.7	19,300	0.69	1.6	35,400	0.69	1.6	35,400
De Grey Total	Oxide	3.53	1.8	200,200	2.74	1.3	117,600	3.23	1.4	141,800	9.51	1.5	459,600
	Fresh	0.93	1.7	49,400	4.42	1.6	223,300	9.03	1.6	477,800	14.37	1.6	750,400
	Total	4.46	1.7	249,600	7.15	1.5	340,900	12.26	1.6	619,600	23.88	1.6	1,210,000

Agreements

Indee Gold Option Agreement

De Grey has executed a Share Sale purchase Agreement on 9 February 2018, to acquire 100% of the Indee Gold Pty Ltd, holder of the Indee Gold Project tenements. Under the executed Share Sale Agreement, the total acquisition price is A$15 Million, with payments of and Initial Exclusivity Fee of $100,000 (paid in Jan 2017), Initial Deposit of $1.5 Million (paid on SSA execution - 9 February 2018); $10.4 Million to be paid on Settlement scheduled for 24 January 2019 and $3 Million of Consideration Shares (new De Grey fully paid ordinary shares) to be issued on Settlement. De Grey has the right to extend Settlement by 6 months to 24 July 2019 by payment of an Extension Deposit of $700,000, before 24 January 2019, which would reduce the cash payable at Settlement to $9.7 Million.

Farno McMahon Joint Venture Agreement

De grey has secured a joint venture earn in agreement to acquire 75% interest in E47/2502. De Grey has made a cash payment of $40,000 to the vendor on signing and must also completed a minimum expenditure of $30,000 before 30th September 2017 and elect to enter into the joint venture. The terms of the joint venture earn-in are

Stage 1 - DEG to spend a minimum of $1.0M over a period of 3 years to earn 30%, with expenditure requirement of $100,000, before 13 Dec 2017, further expenditure of $300,000 before 13 Dec 2018, further expenditure of $600,000 before 13 Dec 2019. Stage 2 - DEG may elect to spend a further $1.0M expenditure over an additional 1 year period to earn an additional 45% equity in the tenement for a total equity of 75%. Vendor retains all alluvial rights excluding bedrock deposits. Upon DEG earning 75% at the completion of Stage 2, Farno McMahon may convert its joint venture interest to a 3% Net Smelter Return Royalty.

Vanmaris Option Agreement

De Grey has secured an option to acquire 80% interest in tenements, E47/3399, E47/3428-3430, P47/1732-1733, whereby De Grey has paid $30,000 cash and 150,000 De Grey shares on signing the agreement. The agreement allows De Grey to explore the tenement at De Grey's sole discretion and cost for a period of 4 years and subject to meeting minimum statutory expenditure requirements. Within the 4 year option period, De Grey may elect to acquire 80% interest in the tenement below 3m depth on payment of $500,000 cash. Vendor retains all the mineral rights to a depth of 3 metres.

Blue Moon Option Agreement

De Grey has secured an option to acquire 70% interest in P47/1773 (Blue Moon Prospect) whereby De Grey has paid $125,000 cash and 600,000 De Grey shares on signing the agreement. The agreement allows De Grey to explore the tenement at De Grey's sole discretion and funding for a period of 2 years. Within the 2 year option period, De Grey may elect to acquire 70% interest in the tenement below 6m depth on payment of $500,000 cash. Vendor retains all the mineral rights to a depth of 6 metres.