

14 August 2025



Tomingley Exploration Intersects Significant Gold at El Paso

- Exploration within the Tomingley Gold Project (TGP) has focussed on defining targets that will add to the resource inventory and further extend mine life for the Tomingley Gold Operations (TGO). Exploration comprised diamond core, RC and air-core drilling at several targets within 5km of TGO.
- Drilling at the El Paso prospect, 2km south of the San Antonio deposit comprised four diamond core drill holes, totalling approximately 1,200 metres, and targeted a prospective dacite unit which is geochemically identical to the dacite unit that is the host for high-grade mineralisation in the southern part of the San Antonio deposit. Significant gold intercepts, that are near to true thickness, highlight the potential of the mineralisation associated with the dacite:

EPD016	8.2 metres grading 3.74 g/t Au from 224.8 metres;
Incl	1 metres grading 25.0 g/t Au from 225.6 metres.
EPD017	32.1 metres grading 1.65 g/t Au from 66.9 metres;
incl	4 metres grading 3.21 g/t Au from 83 metres;
also	2 metres grading 3.00 g/t Au from 95 metres;
and	14 metres grading 1.71 g/t Au from 119 metres;
incl	6.1 metres grading 3.03 g/t Au from 120.9 metres;
and	8 metres grading 1.19 g/t Au from 138 metres.

- 2,000 metres of diamond core drilling is planned to begin next month to further define an exploration target for El Paso.
- Five RC drill holes were completed to test along the 5km long Au-As 'Tomingley Structure' that extends north from the historic Tomingley workings. The assay results support the prospectivity of the Tomingley Structure to host significant gold mineralisation that includes the Tomingley Two prospect:

TORC007	14 metres grading 0.58 g/t Au from 213 metres;
Incl	5 metres grading 1.11 g/t Au from 222 metres;
and	2 metres grading 1.26 g/t Au from 262 metres.
TORC011	6 metres grading 0.78 g/t Au from 149 metres;
incl	2 metres grading 1.38 g/t Au from 151 metres.

- Two diamond core drill holes were completed to separately test beneath the historic Tomingley gold workings and to map the andesite that is host to the majority of the Caloma gold deposit north into the EL. A low gold grade, large quartz reef was intersected beneath the Tomingley workings, and the Caloma andesite was intersected 600m north of the Caloma open cut.

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- **17,000 metres of air-core drilling has identified new areas of gold mineralisation between El Paso and Peak Hill within the Mingelo Volcanic belt. Significant gold results were received in several new areas including El Paso SE, Jounama and Westray prospects including:**

EPAC201 incl	12 metres grading 0.35 g/t Au from 75 metres; 3 metres grading 0.93 g/t Au from 84 metres.
EPAC214	9 metres grading 0.29 g/t Au from 72 metres.
JNAC035	3 metres grading 0.39 g/t Au from 63 metres.
WSAC092	3 metres grading 0.55 g/t Au from 54 metres.
WSAC094	3 metres grading 0.59 g/t Au from 24 metres.

- **Planned regional exploration around Tomingley for the next 12 months comprises a high-resolution drone magnetic survey over the area surrounding and including Peak Hill to aid delineate fertile structures and map new prospective volcanic terrain beneath cover. Other target generation work includes mapping, soil sampling and air-core drilling at various prospects including Glen Isla, Gundong and Trewilga. RC and diamond core drilling for a total of 6,000m is planned to test targets at El Paso, El Paso SE, Tomingley Two, Glen Isla and Westray.**
- **In parallel with routine grade control drilling at the planned San Antonio open pit and Roswell underground at TGO, a significant underground drilling program is testing McLeans, Roswell North and the Roswell Western Monzodiorite. Results are anticipated in October.**

Alkane Resources Limited (ASX: ALK; TSX: ALK; OTCQX: ALKEF) ('Alkane' or 'the Company') is pleased to announce the latest exploration results for drilling in the region around the Company's Tomingley Gold Operations (TGO) in Central New South Wales.

Alkane Managing Director & CEO, Nic Earner, said: *"We continue to explore at Tomingley within our approved mining areas and regionally, seeking to add further mine life, scale, and grade to Tomingley. It is pleasing to see the extent of mineralisation in the broader Tomingley region, and we look forward to continuing to add to our resource base."*



Tomingley Gold Project

Alkane Resources Ltd 100%

The Tomingley Gold Project (TGP) covers an area of approximately 440 km² stretching 60 km north-south along the Newell Highway from Tomingley in the north, through Peak Hill and almost to Parkes in the south. The TGP contains Alkane's currently operating TGO, an open pit and underground operation with a 1 Mtpa processing facility.

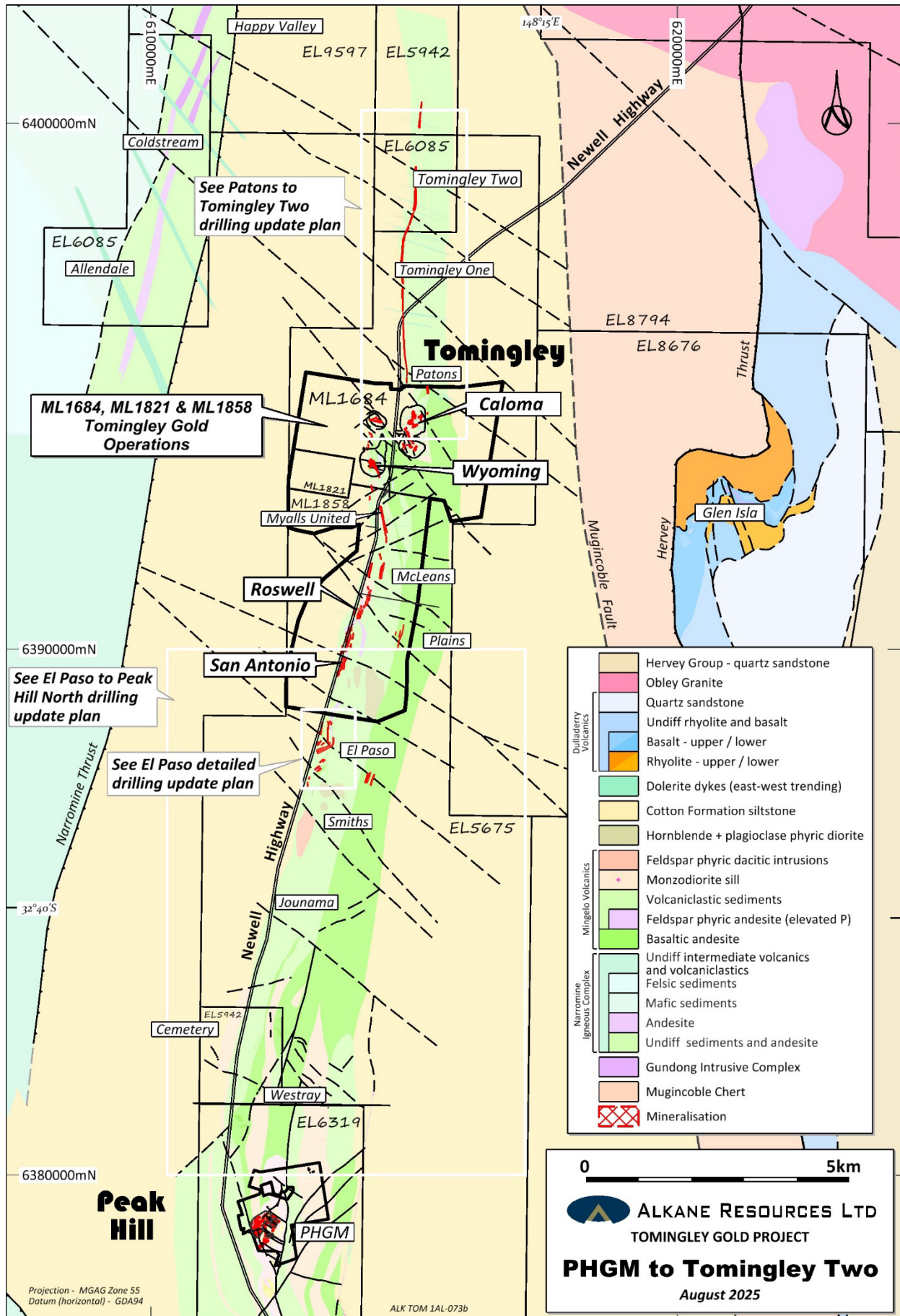
Over the past several years Alkane has conducted an extensive regional exploration program that led to the definition of Mineral Resources at the Roswell and San Antonio deposits (ASX Announcement 2 May 2022 and ASX Announcement 16 February 2021), separate from the established resources and reserves at TGO. Alkane has completed a 2.7 km long drive from the Wyoming One open cut to Roswell. Roswell and San Antonio now form part of TGO, with processing of ore mined from underground at Roswell beginning in April 2024. The focus for the exploration team has turned to other targets within the TGP, both near-mine and further out from TGO.

Exploration over the previous 12 months for TGP comprised high-resolution drone magnetics, air-core drilling testing the Mingelo Volcanic belt between El Paso prospect and Peak Hill, and deeper RC/DD drilling testing El Paso, Tomingley Structure, and the historic Tomingley workings that are all located within 7 km of the Tomingley processing facility.

As part of the recent exploration drilling, assay results were received from 233 air-core (AC) drill holes for a total of 16,693 metres; 6 reverse circulation (RC) drill holes for a total of 1,442 metres; and 6 diamond core (DD) drill holes for a total of 1,883 metres.

The exploration undertaken:

- Targeted a highly prospective dacite volcanic host unit at the El Paso prospect with 4 DD holes;
- To test gold mineralisation intersected by previous AC drilling SE of El Paso prospect with 1 RC hole;
- Tested 2 km x 7 km segment of the Mingelo Volcanic belt (TGO host rock) between El Paso and Peak Hill for Au-As anomalism with 233 AC drill holes;
- Completed 2 DD holes north of the Caloma open cut to map near-mine stratigraphy and to test beneath the historic Tomingley workings;
- Further test the Au-As 'Tomingley Structure' around the Tomingley Two prospect and north of the historic Tomingley Workings with 5 RC holes; and
- Surveyed a section of Mingelo Volcanic Belt north of Peak Hill with a high-resolution drone magnetic survey to aid delineation of major structures, and volcanic units for drill targeting.





El Paso

The El Paso prospect is ~2 km south of the San Antonio deposit (406,000 oz Au * details in appended table). Mineralisation associated with attenuated volcanic units was discovered at this prospect in 2017. Several programs of drilling intersected multiple zones of mineralisation, however the complexity of the geology, the widespread alteration and difficult drilling conditions has so far impeded the effective delineation of substantial gold resources.

Four mud rotary collared DD holes were recently completed to further test significant gold mineralisation associated with a dacite volcanic unit intersected in the previous round of drilling by EPD013 – 12 m @ 1.50 g/t Au from 297 m (ASX announcement 7 October 2024). Significant gold mineralisation includes intercepts that are approximately true thickness (estimated at 90%):

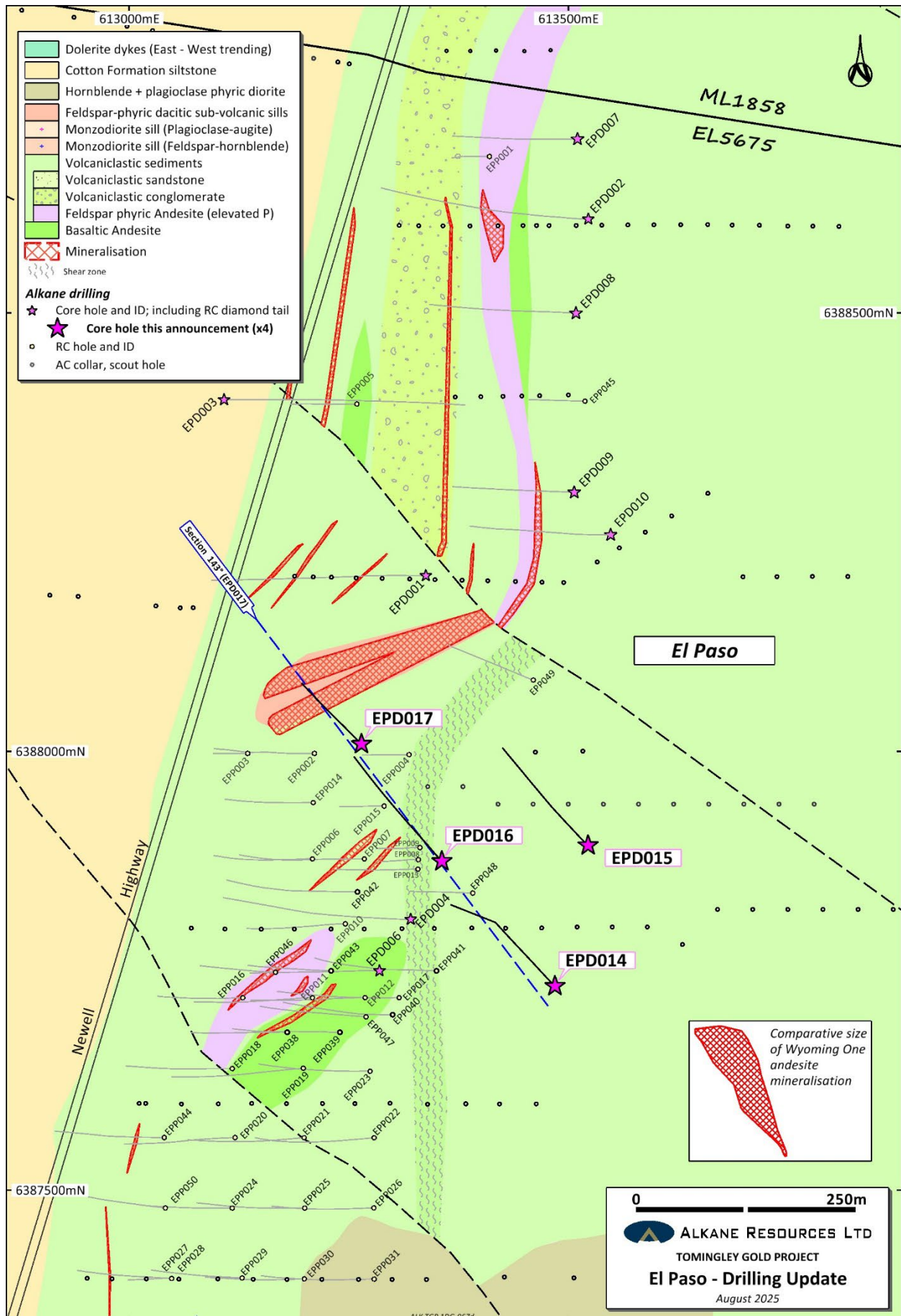
EPD014	7 metres grading 1.15 g/t Au from 284 metres;
incl	1 metre grading 3.93 g/t Au from 284 metres;
and	1 metre grading 1.73 g/t Au from 324 metres.
EPD016	8.2 metres grading 3.74 g/t Au from 224.8 metres;
incl	1 metres grading 25.0 g/t Au from 225.6 metres.
EPD017	32.1 metres grading 1.65 g/t Au from 66.9 metres;
incl	4 metres grading 3.21 g/t Au from 83 metres;
also	2 metres grading 3.00 g/t Au from 95 metres;
and	14 metres grading 1.71 g/t Au from 119 metres;
incl	6.1 metres grading 3.03 g/t Au from 120.9 metres;
and	8 metres grading 1.19 g/t Au from 138 metres.

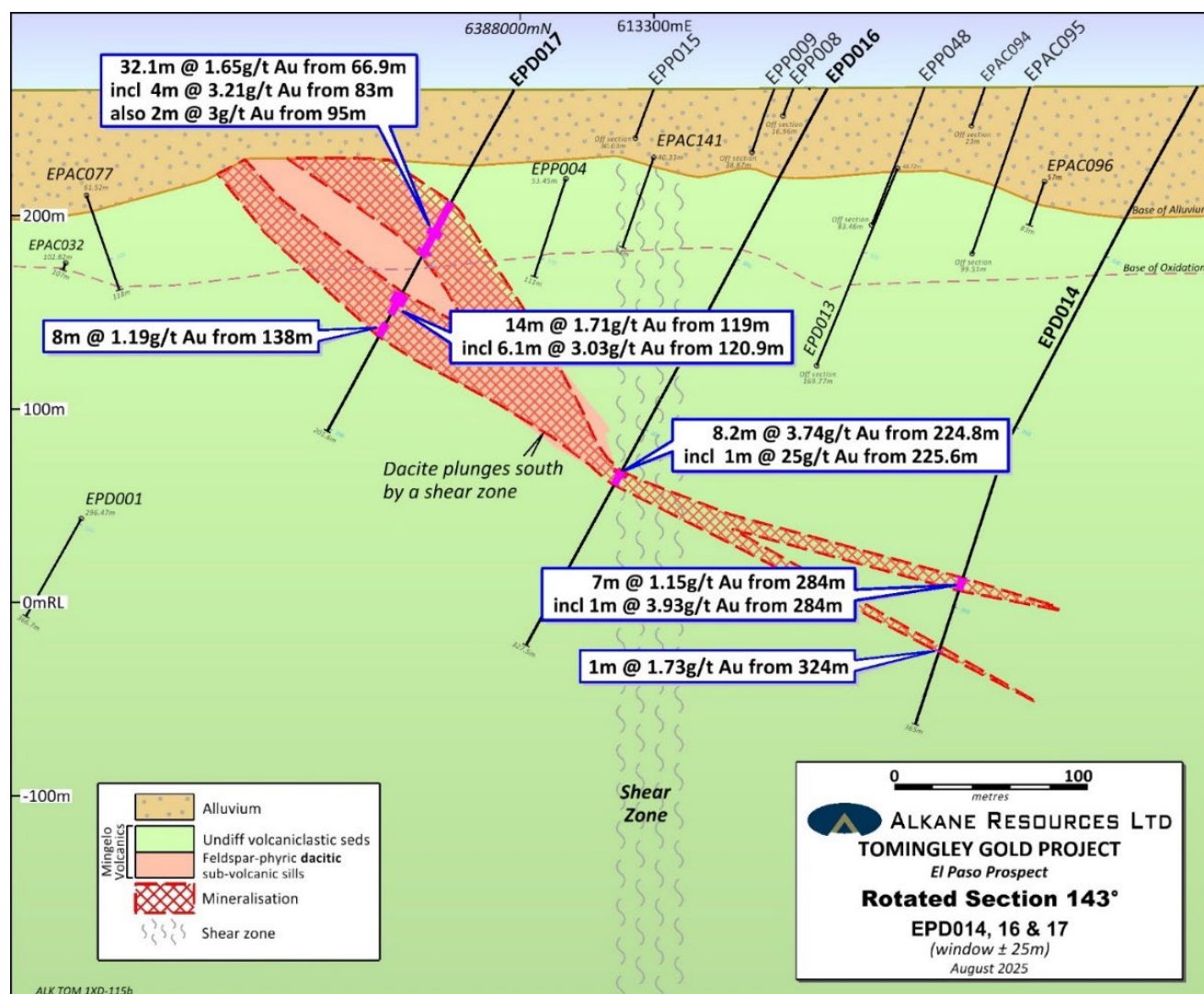
The dacite has a northeast strike length of over 400m, dips to the southeast and appears truncated by a subvertical north-trending shear zone along strike and down dip to the east. The dacite is believed to continue at depth to the south (west of the shear zone). The mineralisation appears to continue down dip (across the shear zone) within the volcanoclastic sediments, as a possible conduit structure to the mineralisation hosted in the dacite. A further 2,000m of mud rotary diamond core drilling is planned to begin in September to contribute to defining an exploration target for El Paso.

One RC drill hole was planned to test an Au-As zone of mineralisation previously intersected by three AC drill holes, 1 km southeast of El Paso (ASX announcement 7 October 2024). Unfortunately, the RC drill hole failed to overcome the sandy alluvial overburden and underlying saprolitic regolith, terminating in gold mineralised bedrock at 124m, grading 0.22 g/t Au. Mud rotary diamond drilling is being prioritised to test this new prospect properly.



EPD017 – Sericite-carbonate altered dacite with sheeted quartz-albite veins and pyrite-arsenopyrite selvages from 6.1m interval grading 3.03 g/t Au from 120.9 m.





The 'Tomingley Structure' is an Au-As mineralised structure that extends north 5km from the historic Tomingley workings and transects the Tomingley Two prospect. The Tomingley Structure was originally delineated by reconnaissance air-core drilling north of Tomingley and identified the Tomingley One and Tomingley Two prospects (ASX announcement 8 June 2004). Mineralisation associated with the structure comprises strong quartz veining/silicification and intense sericite alteration with pyrite-arsenopyrite hosted in meta-sediments. The structure is covered by shallow alluvium immediately south of the historic Tomingley workings, deepening to approximately 30 metres at Tomingley One and to over 100 metres north of Tomingley Two.

Five RC drill holes for a total of 1,318 metres tested along the 'Tomingley Structure'. Significant gold (+0.2 g/t Au) was intersected in three holes and in addition significant arsenic (+0.1 % As) was intersected in a fourth hole. The fifth RC hole did not reach target depth due to sandy alluvium bogging the rod string, terminating the hole at 148 metres. Significant gold mineralisation from the drilling includes:

TORC007	14 metres grading 0.58 g/t Au from 213 metres;
incl	5 metres grading 1.11 g/t Au from 222 metres;
and	6 metres grading 0.56 g/t Au from 258 metres;
incl	2 metres grading 1.26 g/t Au from 262 metres.
TORC011	6 metres grading 0.78 g/t Au from 149 metres;
incl	2 metres grading 1.38 g/t Au from 151 metres.



Work is planned at Tomingley One (e.g. TO035 – 2m @ 10.9g/t Au from 34m; ASX announcement 8 June 2004) and Tomingley Two (e.g. TORC005 – 11m @ 1.7 g/t Au from 158m including 4m @ 3.87 g/t Au from 159m; ASX announcement 16 September 2021) prospects to better characterise the structures and lithologies integral for significant gold mineralisation. Two diamond core drill holes are planned, to collect structural measurements and to define any key lithologies focussing mineralisation.

Tomingley Gold Workings and near-mine exploration

Two diamond core holes were completed from surface to test near-mine targets immediately north of the mining lease. Diamond hole (PATD002) targeted 600m north of the Caloma open cut to test for an extension to the andesite that hosts the majority of the Caloma gold resources (pre-mining Caloma resource 369,400 oz Au – ASX announcement 29 March 2012). The hole intersected a package of carbonaceous shales, fine-grained volcanoclastic sediments and the Caloma andesite with an estimated true thickness of 60 metres (similar thickness as observed at Caloma). Mineralised quartz veining was observed in the footwall sediments to the andesite with a best intercept of:

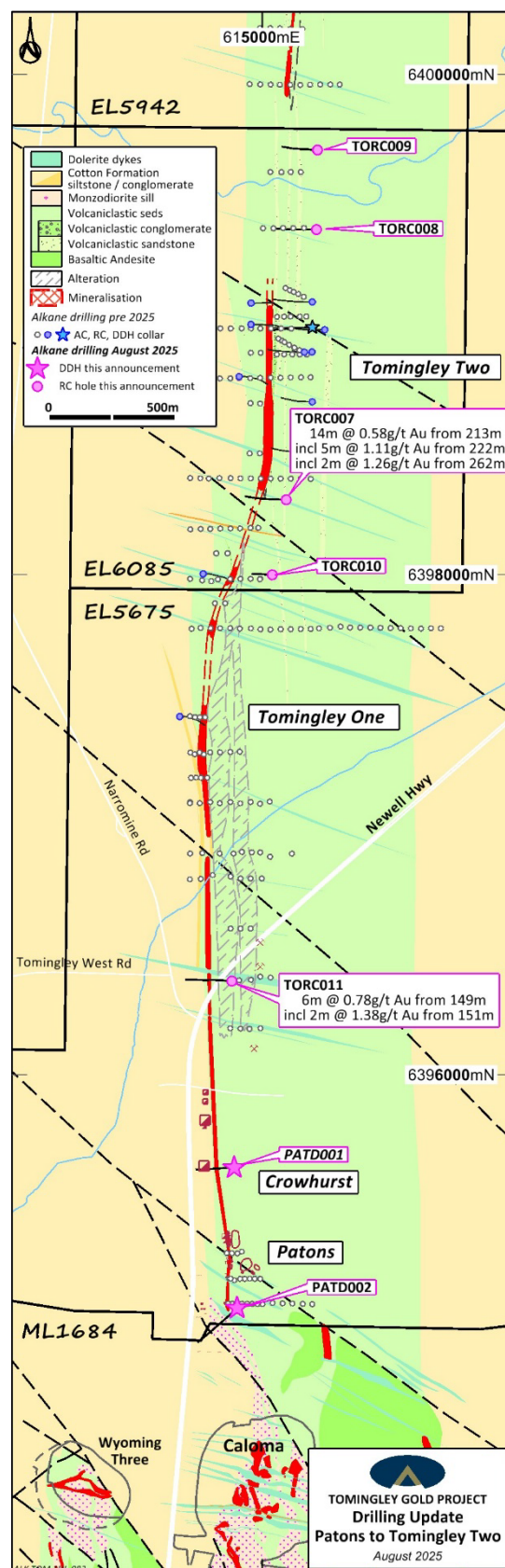
PATD002 5 metres grading 0.44g/t Au from 80.3 metres.

Whilst only minor alteration and mineralisation was observed in the andesite, PATD002 was collared to the southwest which is not optimal for targeting Caloma's moderately west-dipping mineralisation. Further drilling is planned to target this prospective lithology with diamond drill holes collared to the east, from the west side of the Newell Highway.

The historic Tomingley gold workings were targeted for the first time in Alkane's history, with one diamond core hole (PATD001). The workings (Crowhurst & Sons Mine – 62kg Au production 1883-1911) are an estimated 117m deep, PATD001 was targeted 30 metres below this depth. The drilling intersected a package of carbonaceous shales and volcanoclastic siltstones that was host to a 30-m-thick quartz reef with significant pyrite (and trace arsenopyrite) mineralisation. The quartz reef below the workings returned a best intercept of:

PATD001 9.5 metres grading 0.27 g/t Au from 175.5 metres.

The historic average head grade at Crowhurst is recorded as 26 g/t Au, so there are likely strong plunge controls to any high-grade ore shoots. Structural work is underway to determine an orientation for the existence of these shoots prior to further drill-testing.





Reconnaissance AC drilling

233 air-core drill holes were completed for 16,693 metres along nominal 800 m-spaced traverses to test an approximate 2 km x 7 km section of the Mingelo Volcanic Belt between El Paso prospect and Peak Hill. The section of the belt is blind, covered by alluvium ranging from only a few metres to over 50 metres. Three potential new zones of mineralisation were discovered:

Southeast of El Paso – Two holes (EPAC213 - 4) intersected Au-As mineralisation in weathered basaltic andesite, approximately 1 km southeast of El Paso, and 400 m southwest of previously AC defined Au-As mineralisation. This apparent northeast mineralisation trend parallels the orientation observed at El Paso. Significant Au-As anomalism was also intersected (EPAC201 – 2, JNAC042) along the eastern margin for 800 m of the extensive basaltic-andesite unit.

Best Au intercepts include:

EPAC201 incl	12 metres grading 0.35 g/t Au from 75 metres; 3 metres grading 0.93 g/t Au from 84 metres.
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EPAC214	9 metres grading 0.29 g/t Au from 72 metres.
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Westray – Two holes (WSAC092, 94) intersected significant Au-As anomalism in volcanoclastic sediments proximal to andesites.

Best Au intercepts include:

WSAC092	3 metres grading 0.55 g/t Au from 54 metres.
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WSAC094	3 metres grading 0.59 g/t Au from 24 metres.
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Two deeper RC or DD drill holes are planned to test the coincident AC and soils Au-As target at Westray and the El Paso SE prospect.

Planned exploration program

Planned exploration around the Tomingley Gold Operations (TGO) for the next 12 months comprises a high-resolution drone magnetic survey over the area surrounding and including Peak Hill to delineate fertile structures and to map new volcanic terrain beneath the cover sequence to the east of Peak Hill. Other exploration involves work at numerous prospects, including 6,000m of deeper RC/DD drilling, comprising:

El Paso, El Paso SE, Tomingley One, Tomingley Two, Caloma North (orogenic Au) – diamond drilling;

Glen Isla (epithermal Au) – mapping, induced polarisation (IP) survey and diamond drilling;

Westray (orogenic Au) – RC drilling;

Reconnaissance, McGregors (orogenic Au) – air-core drilling;

Gundong (magmatic Ni, orogenic Au) – air-core drilling;

Trewilga (orogenic Au) – soil sampling.

In parallel with routine grade control surface drilling at the planned San Antonio open cuts and underground drilling at Roswell underground, a significant underground drilling program is testing McLeans, Roswell North and the Roswell Western Monzodiorite. These results are anticipated in October.

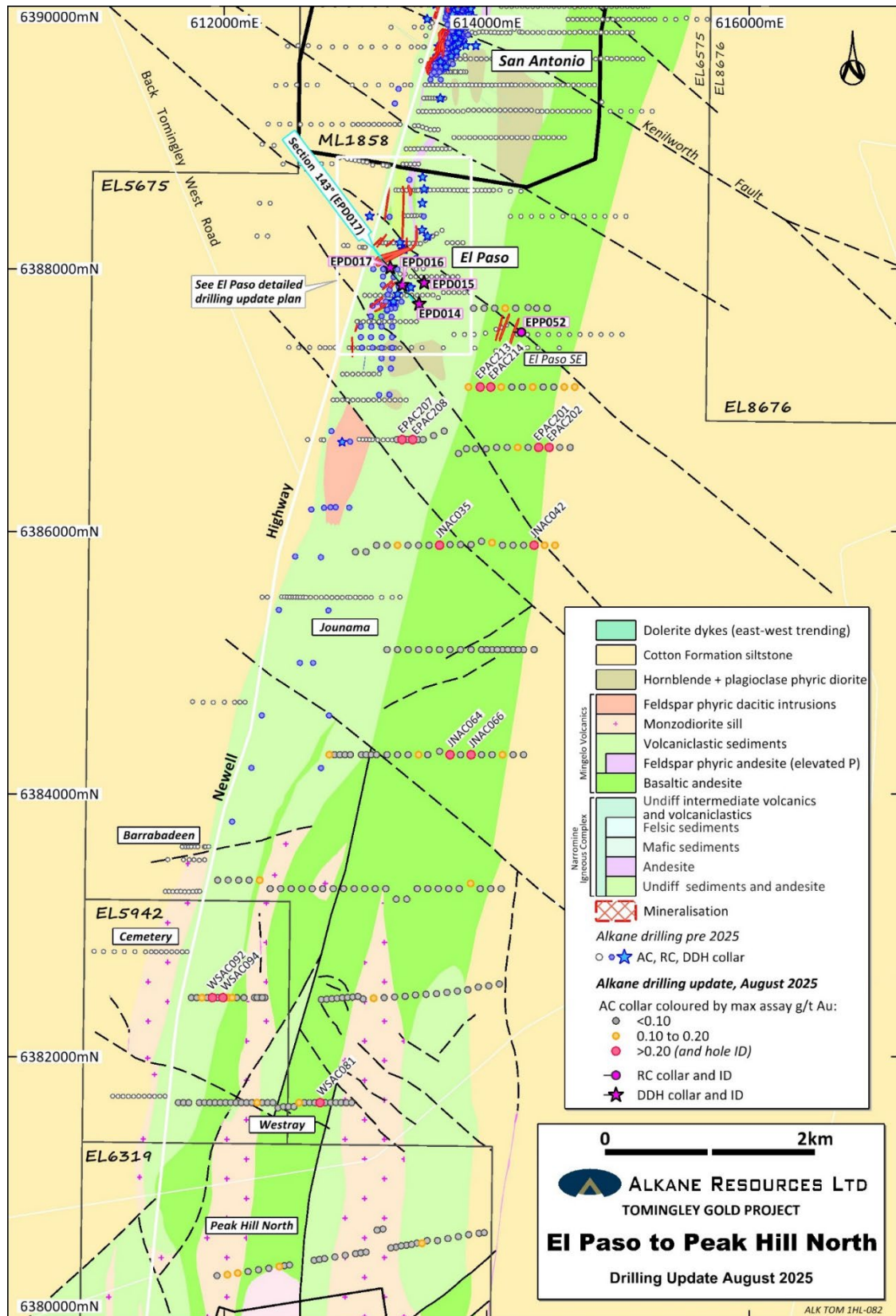




Table 1 - Tomingley Gold Project Significant Gold Results – August 2025 (>0.2g/t Au)												
Hole ID	Easting (MGA)	Northing (MGA)	RL (m)	Dip	Azimuth (Grid)	Total Depth	Interval From (m)	Interval To (m)	Intercept (m)	Au (g/t)	Prospect	
EPD014	613485	6387733	267	-60	315	365	284	291	7	1.15	El Paso	
incl							284	285	1	3.93		
and							318	319	1	0.27		
and							324	325	1	1.73		
EPD015	613522	6387893	266	-60	315	327.7	No significant results or dacite					
EPD016	613356	6387875	266	-62	318	327.5	180	181.1	1.1	0.24		
and							224.8	233	8.2	3.74		
incl							225.6	226.6	1	25.0		
and							294	295	1	0.71		
EPD017	613264	6388008	265	-61	315	201.6	58	59	1	0.65		
and							66.9	99	32.1	1.65		
incl							83	87	4	3.21		
also							95	97	2	3.00		
and							119	133	14	1.71		
incl							120.9	127	6.1	3.03		
and							138	146	8	1.19		
EPP052	614264	6387518	271	-61	273	124**	123	124	1*	0.22		
PATD001	614887	6395628	278	-61	268	300.7	175.5	185	9.5	0.27	Tomingley Workings	
PATD002	614899	6395066	275	-56	228	360.7	17	18	1	0.23		
and							65.1	66	0.9	0.21		
and							73	74	1	0.20		
and							80.3	85.3	5	0.44		
TORC011	614878	6396374	278	-60	274	300	149	155	6	0.78		
incl							151	153	2	1.38	Tomingley Structure	
TORC007	615095	6398299	283	-61	272	304	213	227	14	0.58		
incl							222	227	5	1.11		
and							235	236	1	0.33		
and							240	243	3	0.40		
and							258	264	6	0.56		
incl							262	264	2	1.26		
TORC008	615216	6399379	283	-61	270	310	126	129	3	0.24		
TORC009	615220	6399698	283	-61	273	256	No significant results					
TORC010	615040	6397999	282	-61	273	148**	Hole abandoned early					

* hole finished in mineralisation. ** hole abandoned early.

True widths are approximately 90% (El Paso) and 60% (Tomingley Two and Tomingley Workings) of intercept width.



Table 2 - Tomingley Gold Project Significant Gold Aircore Results – August 2025 (>0.2g/t Au)											
Hole ID	Easting (MGA)	Northing (MGA)	RL (m)	Dip	Azimuth (Grid)	Total Depth	Interval From (m)	Interval To (m)	Intercept (m)	Au (g/t)	Prospect
EPAC201	614395	6386640	265	-60	270	106	63	66	3	0.20	Regional
<i>and</i>							75	87	12	0.35	
<i>incl</i>							84	87	3	0.93	
EPAC202	614475	6386640	265	-60	270	114	69	72	3	0.25	
EPAC207	613355	6386700	265	-60	270	80	57	60	3	0.23	
EPAC208	613435	6386700	265	-60	270	81	24	27	3	0.62	
EPAC213	613950	6387100	270	-60	282	119	102	105	3	0.64	
EPAC214	614030	6387100	270	-60	270	106	72	81	9	0.29	
JNAC035	613640	6385895	265	-60	270	117	63	66	3	0.39	
JNAC042	614360	6385895	265	-60	270	90	51	54	3	0.24	
JNAC064	613720	6384300	265	-60	270	97	78	81	3	0.33	
JNAC066	613880	6384300	265	-60	270	75	48	51	3	0.25	
WSAC081	612730	6381650	270	-60	270	71	36	39	3	0.38	
WSAC092	611910	6382450	270	-60	270	82	54	57	3	0.55	
WSAC094	611990	6382450	270	-60	270	64	24	27	3	0.59	



Mineral Resources

Tomingley Gold Operations Mineral Resources (30 June 2024)

DEPOSIT	MEASURED		INDICATED		INFERRED		TOTAL		Total Gold (koz)
	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	
Open Pittable Resources (cut-off 0.4g/t Au)									
Caloma One	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	0	0
Underground Resources (cut-off 1.3g/t Au)									
Wyoming One	1013	2.7	763	2.2	108	2.1	1,884	2.5	149
Wyoming Three	46	2.2	24	2.0	20	1.9	90	2.1	6
Caloma One	602	2.2	916	2.0	469	2.0	1,987	2.1	132
Caloma Two	351	2.4	1261	2.4	462	1.8	2,074	2.3	153
Subtotal	2,012	2.5	2,964	2.2	1,059	1.9	6,035	2.3	444
TOTAL	2,012	2.5	2,964	2.2	1,059	2.1	6,035	2.3	441

Apparent arithmetic inconsistencies are due to rounding.

Tomingley Gold Extension Project Mineral Resources (30 June 2024)

DEPOSIT	MEASURED		INDICATED		INFERRED		TOTAL		Total Gold (koz)
	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	
Open Pittable Resources (cut-off 0.4g/t Au Roswell and 0.5g/t Au San Antonio)									
Roswell			3,900	1.7	0	0	3,900	1.7	213
San Antonio			5,930	1.8	1,389	1.3	7,319	1.7	406
Subtotal	0	0	9,830	1.8	1,389	1.3	11,219	1.7	619
Underground Resources (cut-off 1.3 g/t Au and 1.3g/t Au McLeans)									
Roswell	825	3.0	3,123	2.8	1,957	2.5	5,905	2.7	517
McLeans			0	0	870	2.5	870	2.5	70
Subtotal	825	3.0	3,123	2.8	2,827	2.5	6,775	2.7	587
TOTAL	825	3.0	12,953	2.0	4,216	2.1	17,994	2.1	1,206

Apparent arithmetic inconsistencies are due to rounding.

Peak Hill Mineral Resources (30 June 2024)

DEPOSIT	Resource Category	Cut-Off	Tonnes (Mt)	Gold Grade (g/t)	Gold Metal (koz)	Copper Metal (%)
Proprietary U/G	Inferred	2g/t Au	1.02	3.29	108	0.15
TOTAL			1.02	3.29	108	0.15

Apparent arithmetic inconsistencies are due to rounding



Ore Reserves

Tomingley Gold Operations Ore Reserves (30 June 2024)

DEPOSIT	PROVED		PROBABLE		TOTAL		Total Gold (koz)
	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	
Open Pittable Reserves (cut-off 0.4g/t Au)							
Stockpiles	241	1.1	0	0	241	1.1	9
Subtotal	241	1.1	0	0	241	1.1	9
Underground Reserves (cut-off 1.3g/t Au)							
Wyoming One	87	1.9	105	1.7	192	1.8	11
Caloma One	86	1.8	105	1.8	190	1.8	11
Caloma Two	48	1.8	3	1.2	50	1.8	3
Subtotal	220	1.8	213	1.8	433	1.8	25
TOTAL	461	1.5	213	1.8	674	1.6	34

Apparent arithmetic inconsistencies are due to rounding.

Tomingley Gold Extension Project Ore Reserves (30 June 2024)

DEPOSIT	PROVED		PROBABLE		TOTAL		Total Gold (koz)
	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	Tonnage (kt)	Grade (g/t Au)	
Open Pittable Reserves (cut-off 0.4g/t Au)							
Roswell	0	0	3,900	1.7	3,900	1.7	213
San Antonio	0	0	4,100	1.6	4,100	1.6	214
Subtotal	0		8,000	1.6	8,000	1.6	427
Underground Reserves (cut-off 1.6g/t Au)							
Roswell	881	2.4	2,202	2.4	3,082	2.4	236
San Antonio*	0	0	0	0	0	0	0
Subtotal	881	2.4	2,202	2.6	3,082	2.5	236
TOTAL	881	2.4	10,202	1.8	11,082	1.9	663

Apparent arithmetic inconsistencies are due to rounding.

*San Antonio underground reserves not determined at this time.

Annual revised Resources and Resources to take account of depletion and expansion from exploration and improved gold price, are being compiled for release in September 2025.



Disclaimer

Nothing in this report should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities.

This report contains certain forward-looking statements and forecasts, including possible or assumed reserves and resources, production levels and rates, costs, prices, future performance or potential growth of the Company, growth or other trend projections. These statements are based on expectations as at the date of the report. Forward-looking statements inherently involve known and unknown risks, uncertainties and other factors outside of Alkane's control and actual results, performance and achievements may differ materially from those expressed or implied from these forward-looking statements depending on a variety of factors. Alkane makes no representation, assurance or guarantee as to the accuracy or likelihood or fulfilment of any forward-looking statement or any outcomes expressed or implied in any forward-looking statement. You should not put undue reliance on forward-looking statements.

Ore Reserves and Mineral Resources Reporting Requirements

As an Australian Company with securities listed on the Australian Securities Exchange (ASX), Alkane is subject to Australian disclosure requirements and standards, including the requirements of the Corporations Act 2001 and the ASX. Investors should note that it is a requirement of the ASX Listing Rules that the reporting of ore reserves and mineral resources in Australia is in accordance with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code) and that Alkane's ore reserve and mineral resource estimates and reporting comply with the JORC Code.

Alkane is also subject to certain Canadian disclosure requirements and standards as a result of its secondary listing on the Toronto Stock Exchange (TSX), including the requirements of National Instrument 43-101 – Standards of Disclosure for Mineral Projects (NI 43-101). Investors should note that it is a requirement of Canadian securities law that the reporting of mineral reserves and mineral resources in Canada and the disclosure of scientific and technical information concerning a mineral project on a property material to Alkane comply with NI 43-101.

Unless otherwise advised above or in the relevant market announcements referenced, the information in this report that relates to exploration results, mineral resources and ore reserves is based on information compiled by Mr David Meates, MAIG, (Exploration Manager NSW) who has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the JORC Code and who qualifies as a "qualified person" under NI 43-101. Mr Meates consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Mineral resource and reserve information included in this announcement is derived from Alkane's ASX announcement titled "Annual Mineral Resources and Reserves Statement" released to the ASX on 4 September 2024 and the technical report entitled "Tomingley and Peak Hill Gold Projects, NSW, Australia—Technical Report for NI 43-101", with an effective date of June 6, 2025, which is available for review on SEDAR+ (www.sedarplus.ca) under Alkane's issuer profile and on Alkane's website at <https://alkane.com.au/>. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original announcements and that the form and context in which the Competent Person's findings are presented have not been materially altered.

This document has been authorised for release to the market by Nic Earner, Managing Director and CEO.

ABOUT ALKANE - www.alkane.com.au - ASX:ALK | TSX: ALK | OTCQX: ALKEF

Alkane Resources (ASX:ALK; TSX:ALK; OTCQX:ALKEF) is an Australia-based gold and antimony producer with a portfolio of three operating mines across Australia and Sweden. The Company has a strong balance sheet and is positioned for further growth.

Alkane's wholly owned producing assets are the **Tomingley** open pit and underground gold mine southwest of Dubbo in Central West New South Wales, the **Costerfield** gold and antimony underground mining operation northeast of Heathcote in Central Victoria, and the **Björkdal** underground gold mine northwest of Skellefteå in Sweden (approximately 750km north of Stockholm). Ongoing near-mine regional exploration continues to grow resources at all three operations.

Alkane also owns the very large gold-copper porphyry **Boda-Kaiser Project** in Central West New South Wales and has outlined an economic development pathway in a Scoping Study. The Company has ongoing exploration within the surrounding Northern Molong Porphyry Project and is confident of further enhancing eastern Australia's reputation as a significant gold, copper and antimony production region.



The following tables are provided to ensure compliance with the JORC Code (2012) edition requirements for the reporting of exploration results.

JORC Code, 2012 Edition – Table 1 TOMINGLEY GOLD PROJECT – Regional Exploration August 2025

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.	- Diamond core drilling (DD) was undertaken by Ophir Drilling Pty Ltd - DD sample intervals were defined by geologist during logging to honour geological boundaries, cut in half by diamond saw, with half core sent to ALS Laboratories - RC drilling was undertaken by Strike Drilling Pty Ltd - Air-core (AC) drilling was undertaken by Drillit Pty Ltd - RC and AC samples are collected at one metre intervals via a cyclone on the rig. The cyclone is cleaned regularly to minimise any contamination
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Sampling and QAQC procedures are carried out using Alkane protocols as per industry best practice.
	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	- Core was laid out in suitably labelled core trays. A core marker (core block) was placed at the end of each drilled run (nominally 3m) and labelled with the hole number, down hole depth, length of drill run. Core was aligned and measured by tape, comparing back to this down hole depth consistent with industry standards. Half core is sampled with a Corewise automatic core saw. - RC and AC Drilling – the total sample (~20-30kg) is delivered via cyclone into a large plastic bag which is retained for future use if required. A sub-sample of approximately 1kg is spear sampled from each plastic bag and composited to make a 3 metres sample interval. If strong mineralisation is observed by the site geologist this is sampled as a final 1m interval instead. - Gold was determined by fire assay fusion of a 50g charge with an AAS analytical finish. - A multi-element suite was determined using either aqua regia or a multi-acid digest with a ICP Atomic Emission Spectrometry or ICP Mass Spectrometry analytical finish.



Criteria	JORC Code explanation	Commentary
<i>Drilling techniques</i>	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	- Reverse circulation (RC) drilling using 110mm rods 144mm face sampling hammer. - Triple tube diamond drilling with PQ3/HQ3 wireline bit producing 83mm diameter (PQ3) and 61.1mm diameter (HQ3) sized orientated core (using a Reflex orientation tool). In areas of deep cover, the collars were emplaced using mud rotary through the cover sequence and not sampled. - Air-core (AC) drilling using 89mm rods and bit to refusal.
<i>Drill sample recovery</i>	Method of recording and assessing core and chip sample recoveries and results assessed.	- DD - core loss was identified by drillers and calculated by geologists when logging. Core was only lost in the saprolite for approximately $\geq 95\%$ recovery in the oxide material. - RC and AC sample quality is assessed by the sampler by visual approximation of sample recovery and if the sample is dry, damp or wet.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	- Sample quality is qualitatively logged. - A high capacity RC rig was used to enable dry samples collected. Drill cyclone is cleaned between rod changes and after each hole to minimise cross-hole contamination. - A high capacity AC rig was used to maximise penetration through the clays to refusal on fresh bedrock. Drill cyclone was cleaned after each hole to minimise cross-hole contamination. - Triple tube coring is used at all times to maximise core recovery for diamond drilling.
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	There is no known relationship between sample recovery and grade.
<i>Logging</i>	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	- Each one metre interval is geologically logged for characteristics such as lithology, weathering, alteration (type, character and intensity), veining (type, character and intensity) and mineralisation (type, character and volume percentage) - A detailed geotechnical log on the diamond core is also undertaken collecting parameters such as core recovery, RQD, fracture count, and fracture type and orientation.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography	- Mostly logging was qualitative with visual estimates of the various characteristics. In addition, magnetic susceptibility data (quantitative) was collected as an aid for logging. - All drill holes were geologically logged into Geobank Mobile, followed by validation before importing into Alkane's central Geobank database. - All drill holes were logged by qualified and experienced geologists.



Criteria	JORC Code explanation	Commentary
	<i>The total length and percentage of the relevant intersections logged</i>	All drill holes were logged in full, except for the mud rotary technique through the cover sequence.
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	Core sawn with half core samples submitted for analysis
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	- Each one metre interval is spear sampled with 3m composite samples collected in a calico sample bag and forwarded to the laboratory. Where strong mineralisation is observed by the site geologist, instead of compositing, this is individually sampled from the cone splitter on the RC rig as a 1 metre interval into a calico bag and forwarded to the laboratory. - Laboratory Preparation – the entire sample (~3kg) is dried and pulverised in an LM5 (or equivalent) to ≥85% passing 75µm. Bulk rejects for all samples are discarded. A pulp sample (±100g) is stored for future reference.
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	Samples were delivered by Alkane personnel to ALS Minerals Laboratory, Orange NSW. Crushed with 70% <2mm (ALS code CRU-31), split by riffle splitter (ALS code SPL-21), and pulverised 1000g to 85% <75µm (ALS code PUL-32). Crushers and pulverisers are washed with QAQC tests undertaken (ALS codes CRU-QC, PUL-QC).
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples</i>	Internal QAQC system in place to determine accuracy and precision of assays.
	<i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling</i>	- Non-biased core cutting using an orientation line marked on the core. - Duplicate RC and AC samples are collected for both composite intervals and re-split intervals.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	Sample are of appropriate size.
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	- All samples were analysed by ALS Minerals - Gold is determined using a 50g charge fused at approximately 1100°C with alkaline fluxes, including lead oxide. The resultant prill is dissolved in aqua regia with gold determined by flame AAS. - Other geochemical elements, DD core and bottom of hole AC samples are digested by near-total mixed acid digest with each element determined by ICP Atomic Emission Spectrometry or ICP Mass Spectrometry. RC and AC samples are digested by aqua regia with a ICP Atomic Emission Spectrometry for As, Cu, Fe, Ni, P, Pb only.



Criteria	JORC Code explanation	Commentary
	For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	No geophysical tools were used to determine any element concentrations
	Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	- Commercially prepared Certified Reference Materials (CRM) are inserted at 1 in 40 samples. CRM's are not identifiable to the laboratory. - Field duplicate samples are inserted at 1 in 40 samples (alternate to CRM's). - Laboratory QAQC sampling includes insertion of CRM samples, internal duplicates and screen tests. This data is reported for each sample submission. - Failed standards result in re-assaying of portions of the affected sample batches.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Drill data is compiled and reviewed by senior staff. External consultants do not routinely verify exploration data until resource estimation procedures are deemed necessary.
	The use of twinned holes.	No twinned holes have been drilled.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	- All drill hole logging and sampling data is entered directly into Geobank Mobile in the field for validation, transfer and storage into Geobank database with verification protocols in place. - All primary assay data is received from the laboratory as electronic data files which are imported into sampling database with verification procedures in place. QAQC analysis is undertaken for each laboratory report. - Data is also verified on import into mining related software.
	Discuss any adjustment to assay data.	No assay data was adjusted. In the case of assay checks the original assay is utilised as there was no statistical variability.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Drillholes are laid out using hand-held GPS (accuracy $\pm 2\text{m}$) then all RC and DD collars are DGPS surveyed accurately ($\pm 0.1\text{m}$) by trained surveyors on completion.
	Specification of the grid system used.	GDA94, MGA (Zone 55)
	Quality and adequacy of topographic control.	DD and RC drillhole collars DGPS surveyed accurately ($\pm 0.1\text{m}$) by trained surveyors on completion. A site based digital terrain model was developed from accurate ($\pm 0.1\text{m}$) survey control by licenced surveyors.



Criteria	JORC Code explanation	Commentary
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results..</i>	At this exploration stage, data spacing is variable with the focus on identifying new zones of mineralisation.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied</i>	All the results are early stage, reconnaissance drilling, and as such are spaced to test strike and dip extents of any significant mineralisation.
	<i>Whether sample compositing has been applied</i>	- RC – samples with no visible mineralisation or alteration are composited to 3m. One metre samples override 3m composites in the database. - DD – core is sampled to geology with sample sizes ranging from 0.3m to 1.3m.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	Drilling suggests a broadly sub vertical geometry at most prospects and moderately SE at El Paso.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material</i>	Estimated true intervals at this early stage of drilling are possibly ~90% of downhole lengths at El Paso and ~60% of downhole lengths at other prospects.
Sample security	<i>The measures taken to ensure sample security.</i>	- All samples are bagged into tied calico bags, before being grouped into polyweave bags and transported ~2hr to ALS Minerals Laboratory in Orange by Alkane personnel. All sample submissions are documented via ALS tracking system with results reported via email. - Sample pulps are returned to site and stored for an appropriate length of time (minimum 3 years). - The Company has in place protocols to ensure data security.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	No audits or reviews have been conducted at this stage



Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	- Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. - The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	- All seven licences (EL5675, EL5942, EL6085, EL6319, EL8676, EL8794 and EL9597) in the Tomingley Gold Project are owned 100% by Alkane. - All exploration licences are in good standing. EL5675 expires on 17 January 2029. EL5942 expires on 3 May 2030. EL6085 expires on 20 May 2030. EL6319 expires on 12 October 2026. EL8676 expires on 27 November 2029. EL8794 expires on 20 September 2030. EL9597 expires on 22 August 2029.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	- Only minor work has been completed by previous companies within EL5675, EL5942 and EL6319 covered by this announcement with many holes that did not penetrate the cover sequence. - Work completed within EL6085 and EL9597 at the Allendale-Coldstream prospect areas can be summarised as: Climax (in JV with Newcrest, Transit, MPI Gold) (1989-2003) – Tenement-wide heli-magnetics, MMI soils (no anomalism as deep cover was prohibitive); 70x air-core drill holes for 7,458m over magnetic targets intersecting broad zones of Au-Cu anomalism. Follow up 3x diamond core tails off air-core pre-collars for 764m with a petrology study.
Geology	Deposit type, geological setting and style of mineralisation.	- Mineralisation at Tomingley is associated with quartz veining and alteration focused within sub-volcanic andesite sills and adjacent volcanoclastic sediments. The deposits appear to have formed as the result of a competency contrast between the sub-volcanic sills and the surrounding volcanoclastic sediments, with the sills showing brittle fracture and the sediments ductile deformation and have many similarities to well documented orogenic - lode-style gold deposits. - Geological nature of the Tomingley Deposits is well documented elsewhere. - Geological nature of Peak Hill is well documented elsewhere. - The Allendale/Coldstream prospect area lies approximately 5km northwest of Tomingley on the western side of a regional east-dipping Narramine Thrust. This regional fault separates the largely undeformed andesitic volcanics and intrusives of the Narramine Igneous Complex, that is host to the Corvette-Kingswood Cu-Au deposit (contained metal of 0.29Mt Cu, 0.24Moz Au – Magmatic Resources Ltd ASX announcement dated 11 July 2023) that is the subject of the Magmatic-Fortescue joint venture, from the highly deformed and faulted volcanics and volcanoclastics to the east that are host to the orogenic gold mineralisation at Tomingley. The entire prospect area is covered by 30 -



Criteria	JORC Code explanation	Commentary
		80m of alluvial quartz-rich sands and clays and all previous exploration was limited to air-core drilling and three diamond drill hole tails.
Drill hole Information	- A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: - easting and northing of the drill hole collar - elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar - dip and azimuth of the hole - down hole length and interception depth - hole length.	See body of announcement.
	If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	- All RC and DD drill holes have been reported in this announcement. - Only AC drill holes with significant assays of $\geq 0.2\text{g/t Au}$ have been reported for Tomingley. Impractical to list all AC holes completed.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.	Exploration results reported for uncut gold grades, grades calculated by length weighted average
	Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	- Reported intercepts ($>0.2\text{g/t Au}$) are calculated using a broad lower cut of 0.2g/t Au although grades lower than this may be present internally (internal dilution). - No top cut has been used. - Short intervals of high grades that have a material impact on overall intersection are reported as separate (included) intervals.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalents are reported.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	The mineralisation is structurally complex and the majority of drilling is reconnaissance in nature. Down hole lengths are reported – true widths estimated to be 90% of the down hole lengths at El Paso and 60% at the other prospects at this early stage exploration stage.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Plans showing geology with drill collars are included in the body of the announcement. An appropriate sectional view for the significant results at El Paso prospect is included.



Criteria	JORC Code explanation	Commentary
<i>Balanced reporting</i>	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Comprehensive reporting has been undertaken with all DD and RC holes listed in the included table.
<i>Other substantive exploration data</i>	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	No other material exploration data to be reported.
<i>Further work</i>	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).	See body of announcement.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive	See figures included in the announcement.