ASX:AGE

Advancing Samphire Uranium Project into Trial Production

Alligator Energy

Andrea Marsland-Smith CEO

September 2025 – RIU Uranium Investment Day

Disclaimer

Forward Looking Statements

This presentation contains projections and forward-looking information that involve various risks and uncertainties regarding future events. Such forward-looking information can include without limitation statements based on current expectations involving a number of risks and uncertainties and are not guarantees of future performance of the Company. These risks and uncertainties could cause actual results and the Company's plans and objectives to differ materially from those expressed in the forward-looking information. Actual results and future events could differ materially from anticipated in such information. These and all subsequent written and oral forward-looking information are based on estimates and opinions of management on the dates they are made and expressly qualified in their entirety by this notice. The Company assumes no obligation to update forward-looking information should circumstances or management's estimates or opinions change.

Competent Person's Statement – Uranium and Previously Reported Information

Information in this report is based on current and historic Exploration and Resource Drilling Results compiled by Dr Andrea Marsland-Smith, who is a Member of the AusIMM. Dr Marsland-Smith is employed by Alligator Energy as Chief Executive Officer (CEO) and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity she is undertaking (including 21 years working with ISR uranium development and operations) 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. Dr Marsland-Smith consents to the inclusion in this release of the matters based on her information in the form and context in which it appears.

Information in this report that relates to the Exploration Target estimate was compiled by Dr Andrea Marsland-Smith, who is a Member of the AusIMM. Dr Marsland-Smith is employed by Alligator Energy as Chief Executive Officer (CEO) and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity she is undertaking (including 21 years working with ISR uranium development and operations) 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. Dr Marsland-Smith consents to the inclusion in this release of the matters based on her information in the form and context in which it appears.

In relation to Exploration Results, Mineral Resource Estimates and Exploration Target in the ASX announcements referenced on slides 6 and 8 the Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. In relation to Production Target referred to on slide 7 the Company confirms that all material assumptions underpinning the Production Target, and the forecast financial information derived from the Production Target, in the initial announcement continue to apply and have not materially changed.

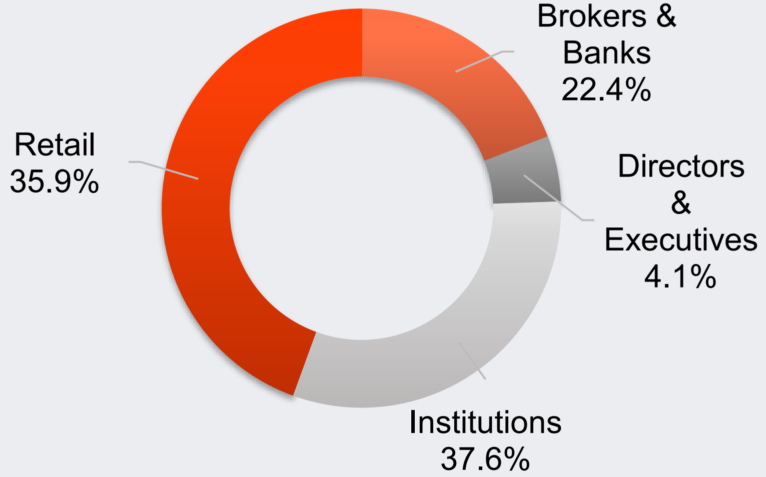
Company Snapshot

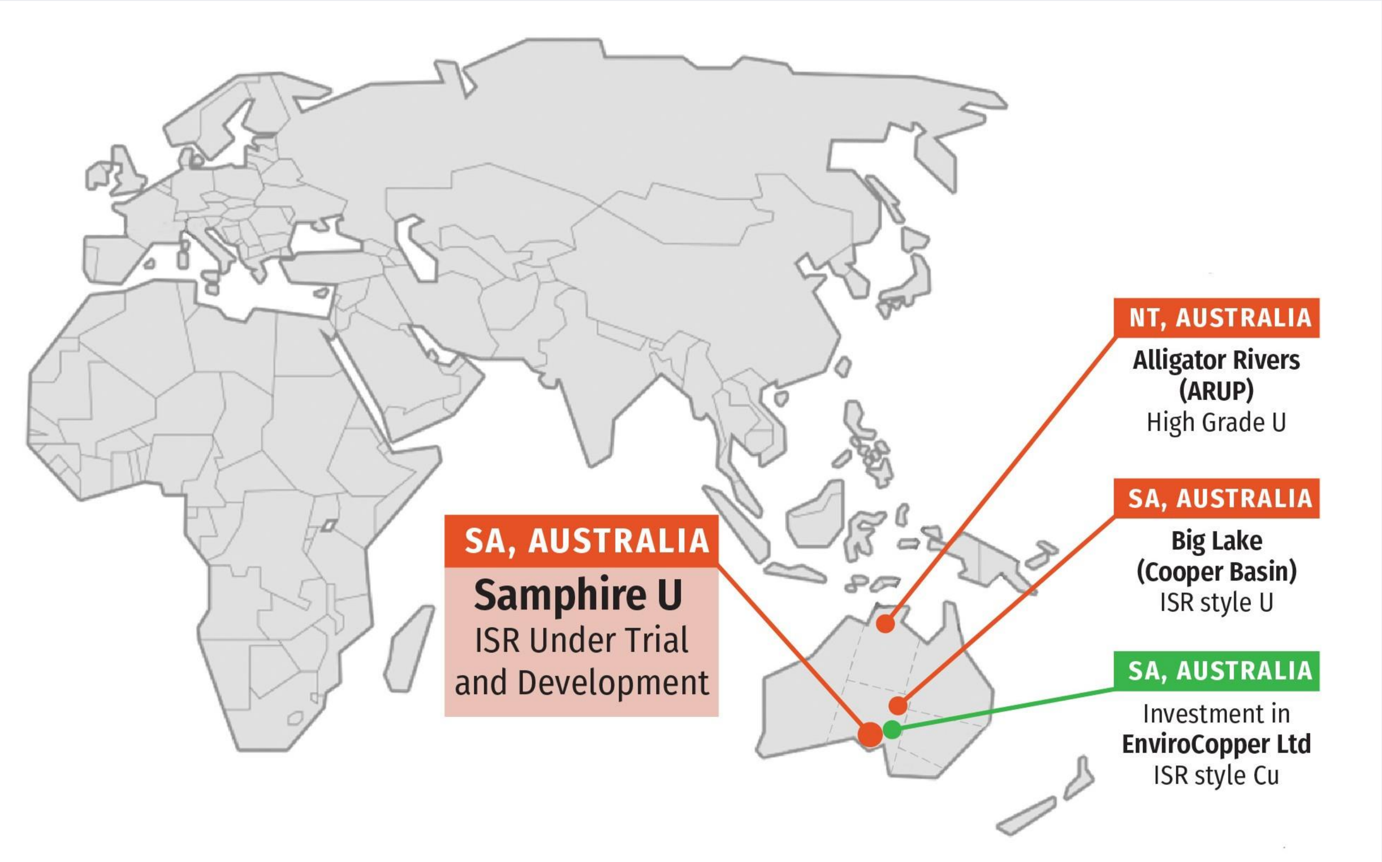
Capital Structure (as at 30 June 2025)

Share Price A$	$0.029
Ordinary Shares	4,430.1 M
Listed & Unlisted Options	460.2M
Cash as at 30 June 2025 (A$)	$ 30.1 M
June Share Placement (post issue costs)	$ 16.2 M
Market Cap A$	$128.5 M

Top 50 Shareholders

30 June 2025





Board & Management – uranium development, operational and marketing exp

Paul Dickson | Non-Executive Chairman

Finance and corporate advisory professional and private equity manager with more than 30 years' experience. Specialising in junior and mid-tier ASX listed resources companies, AGE Board member since inception and Chairman for 3 years.

Gregory Hall | Executive Director

Mining engineer, marketing professional and CEO with 35+ years' experience – uranium, nickel, bauxite, alumina, iron ore.
Uranium projects; Olympic Dam, ERA Ranger & Jabiluka, Uranium marketing for Rio Tinto, CEO of Toro Energy and Alligator Energy Ltd

Peter McIntyre | Non-Executive Director

Civil engineer and experienced CEO – General Manager roles with WMC Ltd, including development of major mining projects.
Founding CEO of Extract Resources - discovery and feasibility of Husab Uranium mine in Namibia.

Fiona Nicholls | Non-Executive Director

30 years across a range of business functions including strategy, planning, ESG and operations, multi-country project development, approvals and due diligence processes
Previously Rio Tinto on the Board of Rössing Uranium and ERA uranium.

Callum McIntyre | Alternate Director

Extensive experience in the finance and technology industries in Australia and overseas. Director Business and Investment at a private investment company, and Business Operations Manager at a private Company focused on exploration and production of gas in the Perth Basin.

Mike Meintjes | CFO & Company Secretary

Chartered Accountant / CFO / Company Secretary. Over 30 years professional services with a Big Four accounting firm and independent consulting. Extensive exposure to mining, oil & gas sectors in WA, QLD and South Africa. CFO and Co Sec for Alligator for 12 years

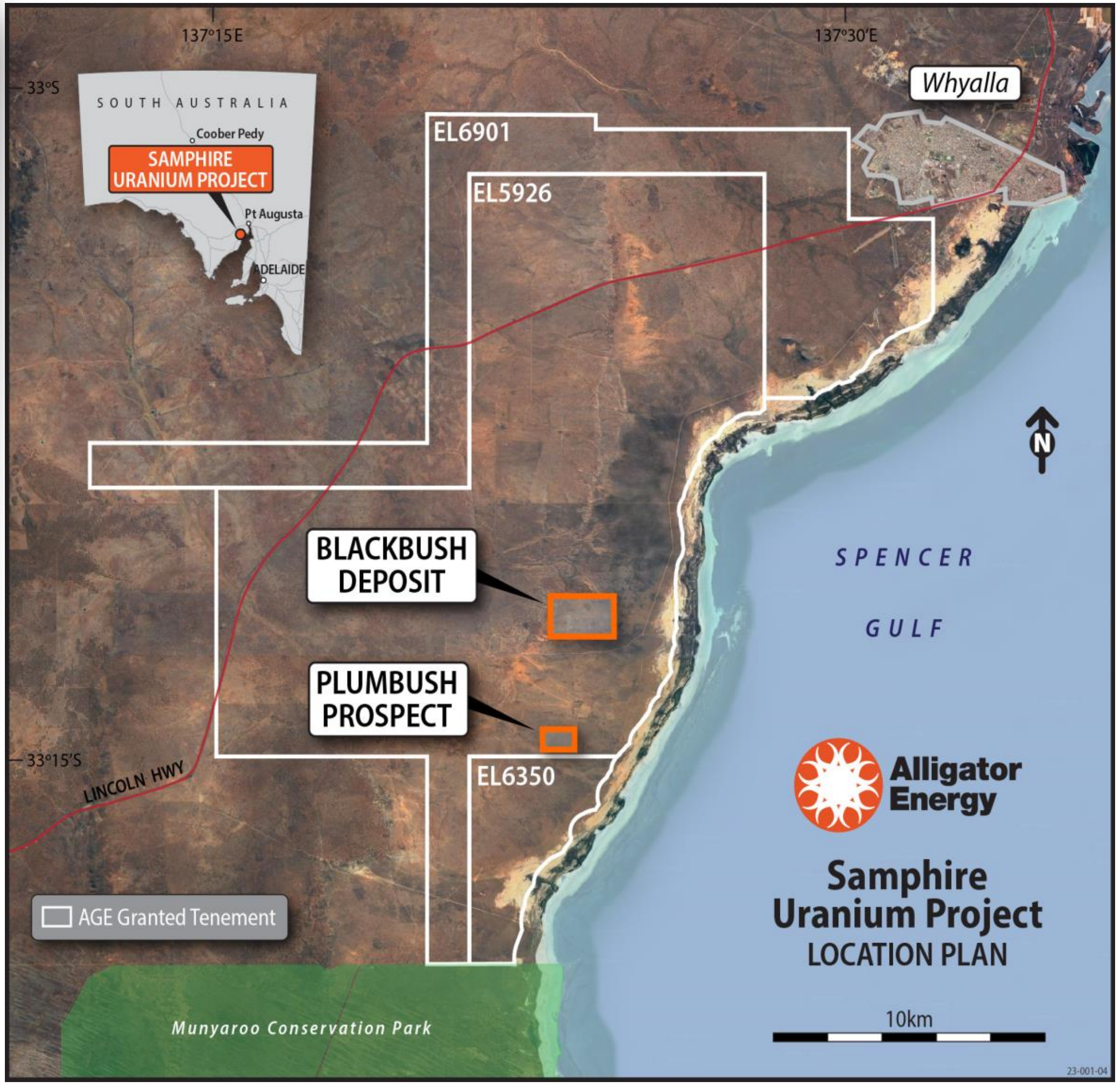
Dr Andrea Marsland-Smith | CEO

Early exploration geologist roles in uranium exploration.
Most recently a member of the Executive Management Team at Heathgate Resources with roles over 17 years covering technical and field positions in Geology, Head of Geology, Head of Regulatory & Compliance, Head of Operations and Head of Government Relations and Indigenous Affairs.

Management and operating team with extensive uranium mine operations experience, particularly with In-Situ Recovery (ISR), including stakeholder engagement, approvals, operations, uranium marketing and contracting, environmental and sustainable production.

Samphire Uranium project: South Australia

- **Tier 1 uranium mining jurisdiction – 5 mines approved**
- **Flagship Samphire Project**
  - Significant ISR resource with known expansion potential
  - Staged long life project
- **Coming to market late this decade**
  - Positioning to be the next uranium mine approved in Australia
- **Experienced USR uranium mining team**
- **Big Lake - new discovery for potential ISR project pipeline**



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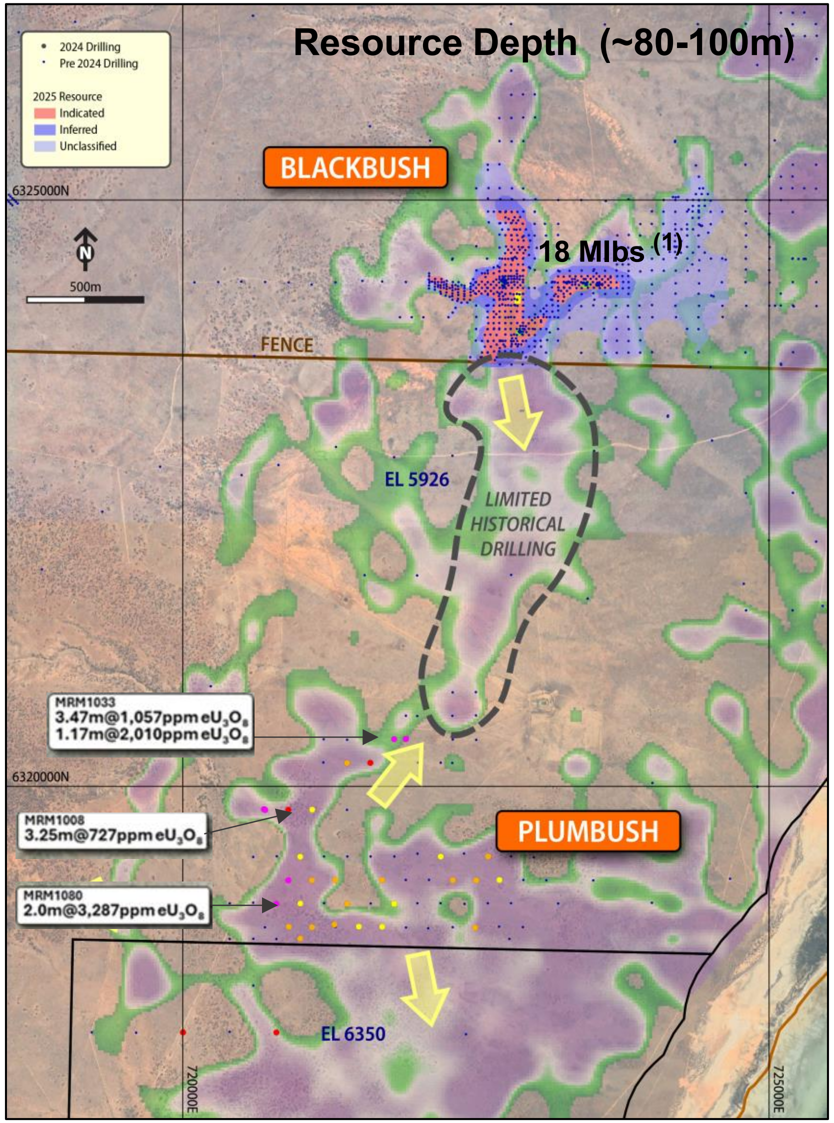
Samphire Uranium Project: A highly competitive In-Situ Recovery Project

- **The right ISR conditions**
- **18 Mlbs** to support startup mining operation with **staged expansion** (**14.2Mlbs Indicated, 3.8Mlbs Inferred**).
  - Second satellite deposit at Plumbush established – requires closer spaced drilling to become a potential resource
- Scoping study (14 Dec 2023) was conducted at US$75/lb which **is below today's LT U price**
  - 12yr mine life at 1.2 Mlbs production rate per annum
  - Size and integrity ready for detailed well field and future mine design
- **Field Recovery Trial-** Q4 2025-Q2 2026
- **Definitive Feasibility Study (DFS)** is expected to consider an increase in production rate upwards from the current **1.2 Mlbs per annum** used in the December 2023 Scoping Study



(1) *Refer AGE ASX Release 6 May 2025 - Increased Mineral Resource Estimate and Upgrade of Indicated Resource for the Blackbush Deposit, Samphire U Project.* *https://wcsecure.weblink.com.au/pdf/AGE/02943740.pdf and ASX release 14 December 2023 "Scoping Study Update"*

Samphire Uranium Project – Dec 2023 Scoping Study† : 1.2 Mlbs pa Project

Study metrics* at US$75 / lb long term uranium price

A$131m	**2.45 years**	**42%**	**A$257m**	**US$33.31/lb**	**US$16.06/lb**
CAPEX (including contingency)	Payback	IRR* (post-tax, real, ungeared)	NPV_8* (post-tax, real, ungeared)	AISC (A$47.58/lb)	Cash Costs (A$22.94 /lb)

Study metrics* based on analyst's current long-term price projections of US$90 / lb

A$131m	**1.93 years**	**55%**	**A$371m**	**US$34.06/lb**	**US$16.06/lb**
CAPEX (including contingency)	Payback	IRR* (post-tax, real, ungeared)	NPV_8* (post-tax, real, ungeared)	AISC (A$48.96/lb)	Cash Costs (A$22.94/lb)

† ***Ref ASX release 14 December 2023 "Scoping Study Update":*** *Alligator confirms that all material assumptions underpinning the 'production target' or the forecast financial information derived from the 'production target' continue to apply and have not materially changed other than the outlook for the long-term uranium price as set out above;* **Calculated using* ***0.70 US/A$ exchange rate*** *inclusion of significant contingencies and inflation of 35%.*

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Further Extensions outside the Exploration Target Envelope

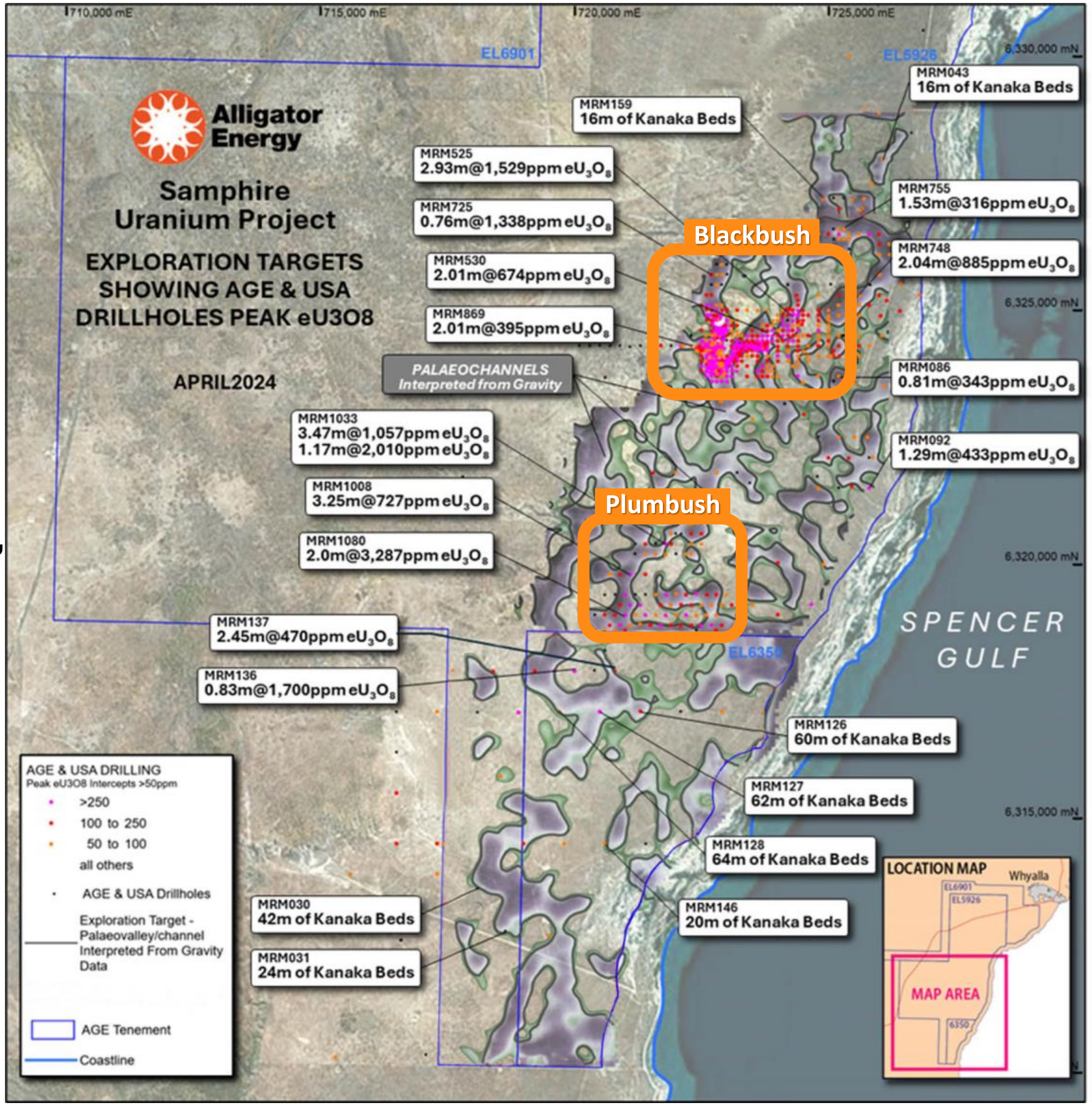
Samphire Uranium Project Area	Million Tonnes (Mt)	eU_3O_8 (ppm)	Million Pounds (Mlbs) eU_3O_8
Total	16 - 37	390 - 903	**14 - 75**

***(Exclusive of the Blackbush Mineral Resource – ASX Announcement 7 Dec 23*).**

The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource. The Exploration Target has been prepared in accordance with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ('the JORC Code')

Refer AGE ASX Release 7 December 2023 - Significant Exploration Target Range established, Samphire Uranium Project, South Australia. https://wcsecure.weblink.com.au/pdf/AGE/02751150.pdf

- **Exploration Target includes extensions to mineralisation at Blackbush, the Plumbush Prospect & areas of known mineralisation and potential extensions.**
- **Over 90kms of channel system.**
- **72% of the prospective areas of the entire Samphire palaeochannel system remain completely untested by drilling.**
- **Significant potential for new discoveries and resource growth in the Project area.**



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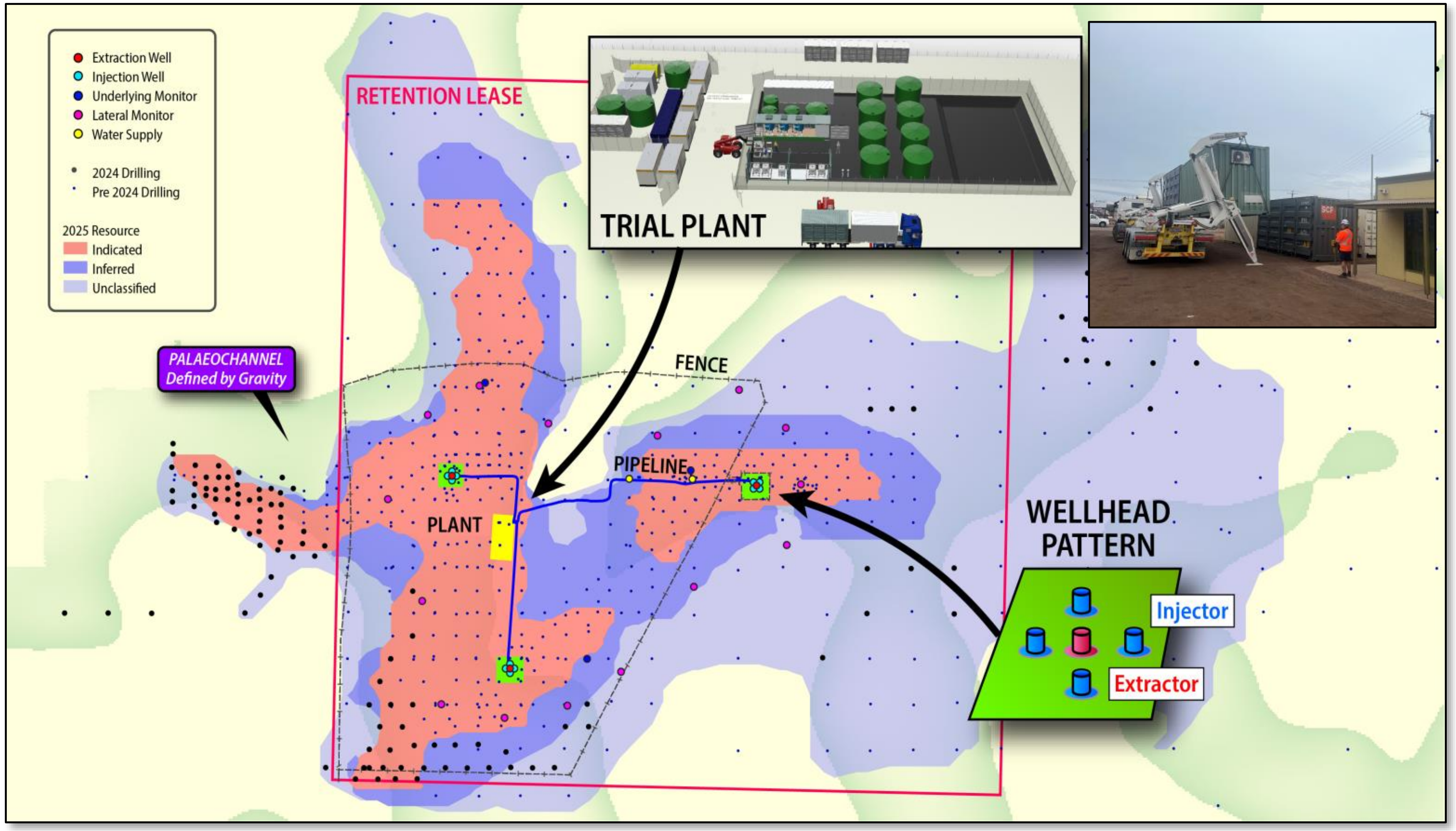
Samphire Uranium Project – Field Recovery Trial (FRT)

- **Field Recovery Trial (FRT)**
  - Approval recently obtained (late August)
  - Final step in de-risking the Project
  - Provides the necessary inputs for DFS
  - Marks an important step toward full Mining Lease Application to commence Q4 2025
- **Plant fully fabricated at AGE's Whyalla yard**
  - Onsite assembly start mid-Oct 2025 construction & commissioning completed late Dec 2025
- **Operation ~ 3+ months (commencing early Jan 2026)**
  - Parameters to be assessed include in-situ chemistry, hydrogeology, uranium recovery, reagent usage, and other environmental and economic factors
- **AGE experienced ISR operational team in place**



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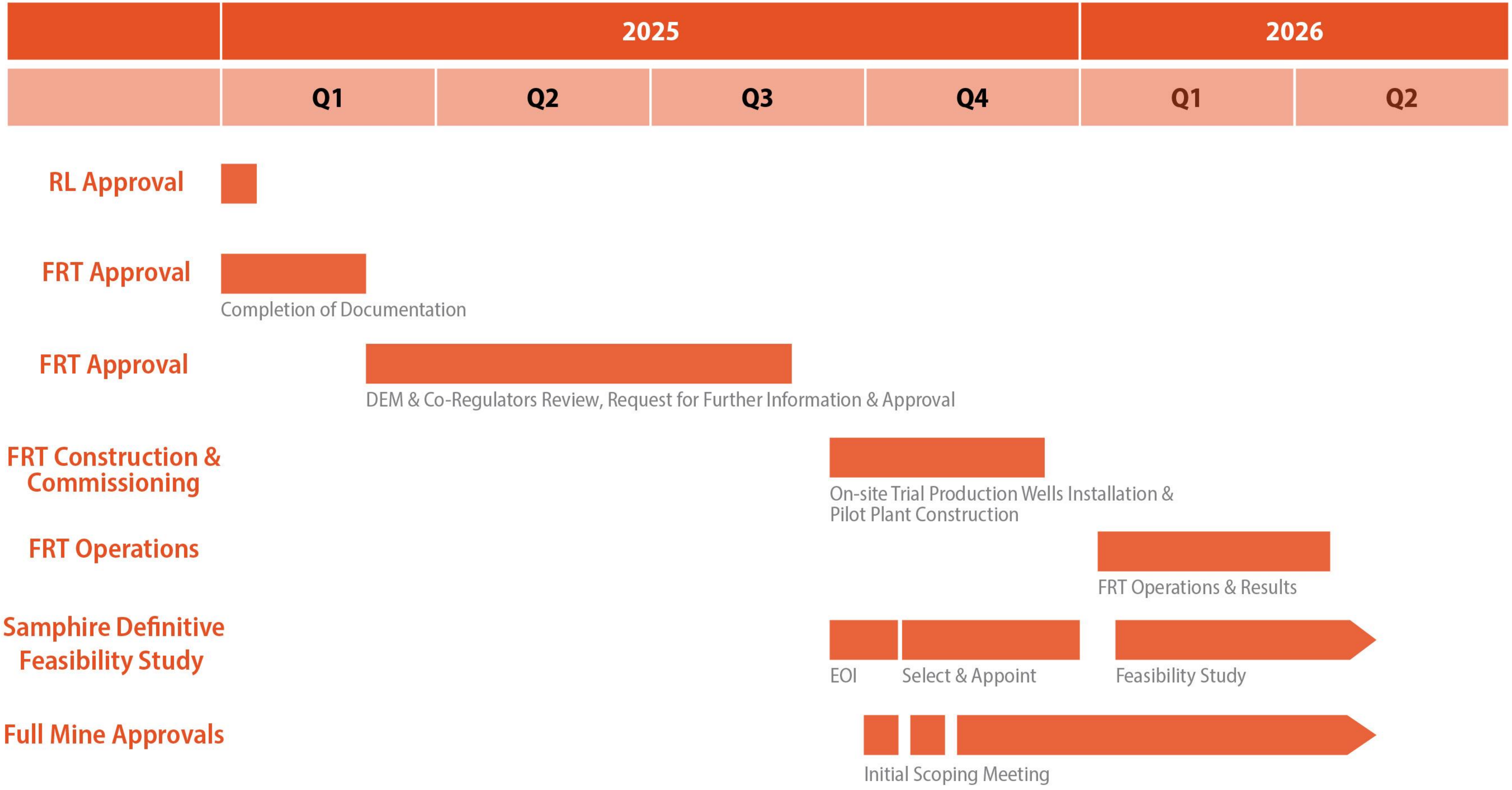
Plans and Targets – 2025 Year and into 2026



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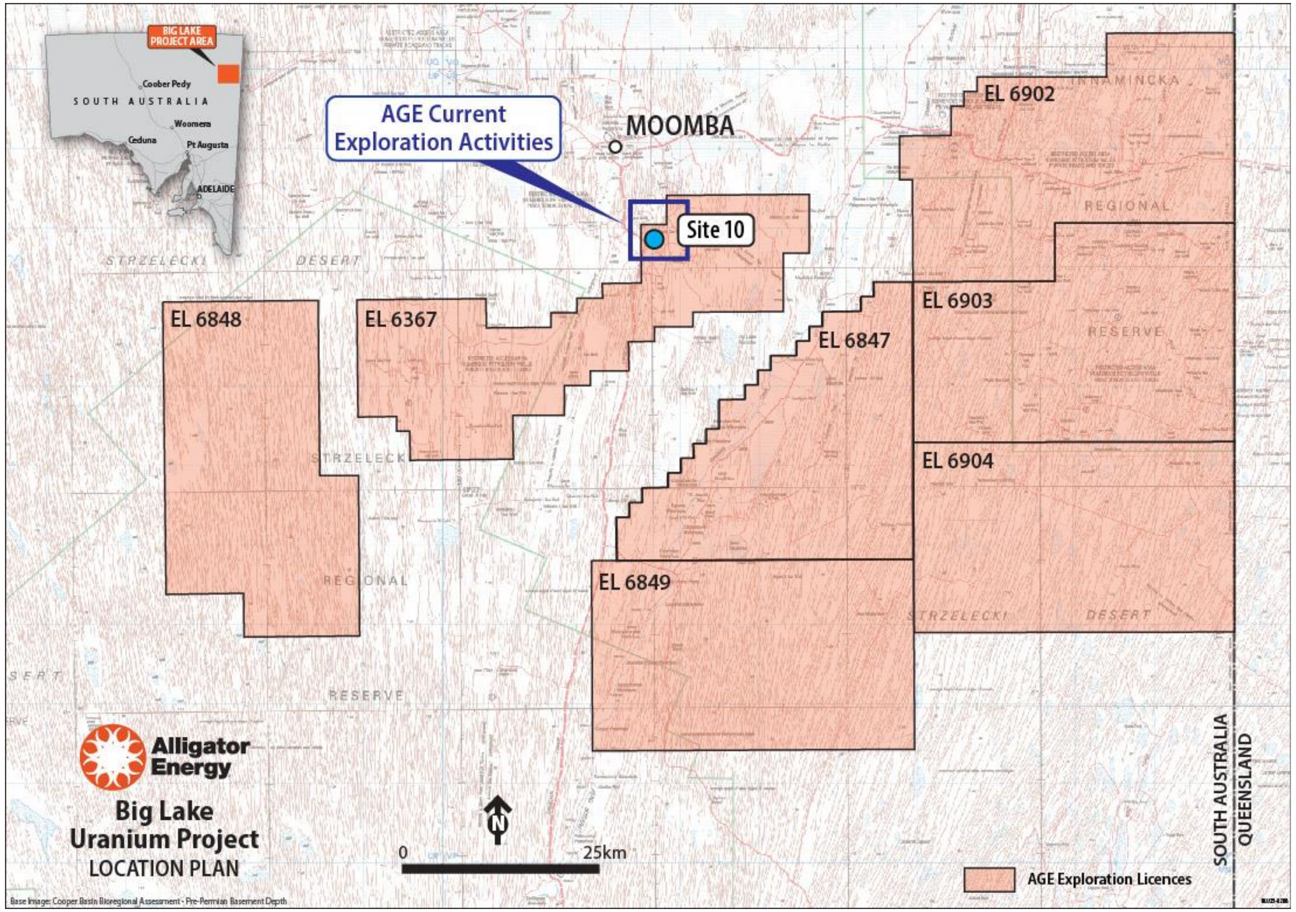
Big Lake Uranium Project, SA – New Discovery

- Geologically analogous to world-class ISR fields in hydrocarbon basins - Kazakhstan, Wyoming, Texas.
- Same host sands as Beverley-Four Mile & Honeymoon.
- Province never-before been drilled exploring for uranium.
- Inaugural drilling program (August 2024) intersected significant thicknesses of anomalous uranium mineralisation.
  - AC24-021 20m (65ft) @ 110 ppm U from 347ft (106m)
  - AC24-022 35m (114ft) @ 117 ppm U from 305ft (93m)
  - AC24-023 5m (16ft) @ 47 ppm U from 341ft (104m)
  - AC24-025 10m (32ft) @ 138 ppm U from 354ft (108m)
- 2025 - Second drilling program commenced but delayed due to QLD floodwaters.
- Potential to become a new uranium province in South Australia.
- Alligator's large exploration licence holding secures first mover advantage.



Refer ASX Announcements: 23 October 2024 – BLU Uranium Discovery, and 27 Feb 2025 – Follow Up drilling at BLU

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Andrea Marsland-Smith

CEO

+61 (0) 7 3839 3904
ams@alligatorenergy.com.au

www.alligatorenergy.com.au