

E 09/1325

Generated 18 August 2026 · Focused — gold

Gold Prospectivity Assessment: E 09/1325

*Focused-mode summary. Commodity: **Gold**.*

- **Holder:** GASCOYNE RESOURCES (WA) PTY LTD
- **Status:** LIVE
- **Reports processed:** 56 A-numbers
- **Report overlap with this ground:** 4 high / 19 partial / 33 marginal (marginal = <5% of that report's ground lies in this area)
- **Verdict:** Prospectivity: High | Exploration maturity: High | Priority: Follow-up

0. Geological Setting

The Glenburgh Project area lies within the Capricorn Orogen, which records the punctuated assembly of the Pilbara and Yilgarn Cratons with the exotic, late Archean Glenburgh Terrane to form the West Australian Craton [A133227 (2022)]. The Glenburgh Terrane is the dominant architectural element and consists predominantly of foliated and gneissic granites, intruded Palaeoproterozoic metasediments, and Late Archean granitic rocks [A102218 (2014), A104489 (2015)]. A major component is the 2005 - 1970 Ma Dalgaringa Supersuite, which forms an extensive batholith along the southern margin of the terrane [A133227 (2022)].

The basement includes heterogeneous granitic gneisses of the 2555 - 2430 Ma Halfway Gneiss, with gneissic and migmatised Archean sedimentary and igneous rocks, including mafic granulites, also common [A133227 (2022), A108969 (2016)]. High-grade metasedimentary rocks form decametre- to kilometre-scale rafts and inclusions within the Dalgaringa Supersuite, comprising predominantly quartz-biotite-garnet±cordierite migmatitic paragneisses with minor ferruginous metasandstone, psammitic rocks, and thin discontinuous layers of mafic granulite, amphibolite, and metagranitic rocks [A133227 (2022)].

Regionally, the northwest margin of the Yilgarn Craton with the Gascoyne Complex features large fault systems including the Errabiddy Shear Zone, Deadman Fault, and Cardilya Fault [A97307 (2012)].

1. Commodity Evidence

The tenement contains verified gold mineralisation. Coordinate-verified MINEDEX records place an Au - Ag deposit at Thunderbolt [MINEDEX S0226241], Au - Ag infrastructure at SW Area WRD [MINEDEX S0233192], and a Cu - Pb - Au mine at Dalgety Downs 3 [MINEDEX S0032242] inside E

09/1325. The SW Area and SWA drilling prospects (322 and 11 holes respectively) also lie within this ground.

Structured drillhole data show 165 holes within the area reported under A120090 (2019), with the best in-area assay reaching 18.8 ppm Au (116.050322°E, 25.424885°S). A116644 (2018) contributed six in-area holes. Earlier vacuum drilling under A78184 (2008) included holes [hole GVC1047] to [hole GVC1086]. In-area surface geochemistry from A97099 (2013) peaks at 1.75 ppm Au. The overall in-area surface Au population (n=4366) has a mean of 0.01196 ppm and maximum of 1.75 ppm, with significance rated High.

Project reports A101909 (2014) and A105486 (2015) describe the wider Glenburgh project and record drill intersections at the South West Area deposit, which the coordinate list places within this tenement. The gold evidence is therefore direct, in-area, and supported by drilling rather than inferred solely from neighbours.

2. Structural & Mineralisation Controls

The tenement is underlain by Archaean metasediments of the Glenburgh Terrane - dominated by quartz - feldspar - biotite±garnet±magnetite gneiss with interlayered amphibolite, BIF and calc-silicate - as described in district reports [A48124 (1996)] [A62826 (2000)].

Gold is controlled by ENE-trending, late-syntectonic shear zones that cut this gneissic package. Mineralisation is associated with silica-flooded gneiss, quartz veining, chlorite - garnet alteration, disseminated pyrite and fine free gold [A48124 (1996)] [A62826 (2000)]. The SW Area and Thunderbolt occurrences lie on the same ~20 km shear corridor documented for the Glenburgh project [A101909 (2014)]. District accounts identify cross-cutting structures trending ~045° as localisers of high-grade lodes (e.g. at Apollo and Zone 126 in the wider area [A48124 (1996)]), and brittle NE faults such as the Deadman Fault bound and offset the sequence, potentially providing remobilisation pathways [A62826 (2000)]. These controls traverse the tenement and give a specific structural trap framework for gold.

3. Historical Work Performed

Initial district exploration predated this licence: Endeavour Resources tested small copper workings on Dalgety Downs in 1988 [A48124 (1996)]. Helix Resources then discovered the broader Glenburgh gold system in 1994, with BLEG stream sampling and gridded soil geochemistry defining the Southwest Grid as well as the Victoria Bore anomalies [A48124 (1996)] [A62826 (2000)]. On the predecessor tenure that included the southwest ground, 216 RAB holes were drilled for 7,344 m across the Geeradoo Gap and Southwest Grid [A48124 (1996)], and Eagle Mining/Normandy continued drilling through the late 1990s [A55731 (1998)] [A62826 (2000)].

After E 09/1325 was granted in 2007, Gascoyne Resources focused on the SW Area deposit. A101909 (2014) records AC and RC intersections at the South West Area deposit, and A105486 (2015) reports further RC and AC drilling plus project-wide resource updates. Recent structured data show extensive in-area drilling: 165 holes under A120090 (2019) and six under A116644 (2018). Surface sampling programmes include A97099 (2013) with in-area Au to 1.75 ppm.

4. Extracted Signals

In-area drillhole assays (n=441) have a mean of 0.2116 ppm Au and a maximum of 18.8 ppm Au, with significance High; the deposit-style suite score for orogenic gold is 38% (Moderate). In-area surface Au (n=4366) has a mean of 0.01196 ppm and maximum of 1.75 ppm, significance High. The surface suite also shows elevated Cu (n=138, mean 205.7 ppm, 7.6× WA median, max 13,020 ppm), Zn (n=63, mean 90.92 ppm, max 1,250 ppm), W (n=95, mean 5.516 ppm, max 39.5 ppm) and Bi (n=19, mean 2.521 ppm, max 44.3 ppm). Deposit-style scores for orogenic gold and Cu - Au (porphyry/IOCG) are both 51% (High). Tungsten and bismuth enrichment is consistent with the distal-to-core pathfinder halo described for Glenburgh gold [A101909 (2014)] [A105486 (2015)], and the copper and zinc anomalies likely mark the shear-related basemetal response around gold.

5. Prospectivity Assessment

The in-area case for gold is strong and mature. The tenement hosts an Au - Ag deposit (Thunderbolt), an associated waste-rock infrastructure designation, and a densely drilled SW Area prospect, with an in-area drill maximum of 18.8 ppm Au and coherent High-significance surface Au anomalism. Structural controls - ENE shear zones and cross-cutting 045° faults - are well documented across the district and pass through this ground. The tenement therefore merits a High prospectivity rating based on its own data, not on the adjacent Apollo/Icon/Tuxedo deposits.

Gaps remain. The structured data do not separately state a tenement-specific resource: project-wide resource figures in A101909 (2014) and A105486 (2015) span multiple tenements and cannot be attributed wholly to E 09/1325. The NE Area (7 holes) is sparsely tested relative to the SW Area, and the depth continuity and strike limits of the Thunderbolt - SW Area trend remain partly open.

Recommended Next Steps: - Resource-focused infill RC drilling along the Thunderbolt - SW Area trend to constrain a tenement-specific resource, prioritising the 18.8 ppm in-area intercept. - Step-out AC/RAB drilling in the NE Area to test the 1.75 ppm surface Au anomaly and any along-strike continuation. - Systematic multielement soil/rock sampling (Au, W, Bi, Cu) across untested portions to delineate pathfinder halos and vector to high-grade cores. - Structural review of 045° cross-cutting fault intersections with the ENE shear corridor for additional high-grade localisation targets.

Tenement Context: E 09/1325

Generated: 18/08/2026

This context is generated by the NextMaps pipeline from SLIP public data and the NextMaps register. It supplements the WAMEX report corpus. For full due diligence data including tenure history, expenditure compliance, and spatial datasets, see the Tenure Pack at nextmaps.com.au.

Register Intelligence

Register Status

- District: GASCOYNE M.F.
- Granted: 29 Mar 2007
- Term: 5 Years (Extended)

- Commenced: 29 Mar 2007
- Area: 8,060.0 ha
- Expiry: 28 Mar 2027
- Renewal Pending
- Rent: PAID IN FULL

Compliance & Expenditure

- **Compliance:** Excellent (323%)
- Term: 323% | Last year: 765%
- **Most Recent Year:** Actual \$596,913 | Min \$78,000
- **5-Year Track Record:** Actual \$1.15M | Min \$408,000
- **Spend Trend:** (+) Improving

Annual Expenditure (recent):

Year	Actual	Minimum	Ratio	Lodged
2026	\$596,913	\$78,000	765%	8 May 2026
2025	\$171,575	\$78,000	220%	23 May 2025
2024	\$131,112	\$78,000	168%	28 May 2024
2023	\$28,030	\$78,000	156%	26 May 2023
2022	\$139,610	\$78,000	179%	6 May 2022
2021	\$86,170	\$78,000	110%	14 May 2021

Ownership

Current Holders:

- GASCOYNE RESOURCES (WA) PTY LTD — 100/100
- **Transfer History:** 1 recorded transfer · most recent: 29 Sep 2010

Holder change history (oldest → newest): - HELIX RESOURCES LTD → GASCOYNE RESOURCES (WA) PTY LTD

Tenement Timeline

Historical tenure on this ground — shows who explored here, for how long, and what happened.

Timeline Summary — 16 (15 historical + current)

- Unique holders: 4 · Avg duration: 5.4 yrs · Oldest record: 13 Mar 1979
- Status: Lapsed (6) | Cancelled (2) | Expired (2) | Surrendered (2) | Withdrawn (2) | Active (1) | PENDING (1)

Most active holder: HELIX RESOURCES LTD (10 tenements) **Longest tenure:** 20.8 yrs — E 09/1325 (GASCOYNE RESOURCES (WA) PTY LTD)

Tenement	Status	Holder	Start	End	Overlap
M 09/181	PENDING	GASCOYNE RESOURCES (WA) PTY LTD	28 Mar 2021	18 Aug 2026	7%
P 09/474	Expired	GASCOYNE RESOURCES (WA) PTY LTD	18 Jul 2011	28 Mar 2014	1%
E 09/1325	LIVE	GASCOYNE RESOURCES (WA) PTY LTD	9 Jun 2006	28 Mar 2027	Current
M 09/123	Lapsed	HELIX RESOURCES LTD	8 Sep 2005	29 Mar 2007	5%
M 09/124	Lapsed	HELIX RESOURCES LTD	8 Sep 2005	29 Mar 2007	7%
M 09/125	Lapsed	HELIX RESOURCES LTD	8 Sep 2005	29 Mar 2007	8%

...and 10 earlier tenements not shown — see *Tenure Pack* for full history.

Context sourced from DMPE SLIP WA public datasets and NextMaps register. Verify against primary sources before reliance.

Fidelity check

Heuristic only - checked against a sample of top-scored chunks, not the full corpus.

"the best in-area assay reaching 18.8 ppm Au (116.050322°E, 25.424885°S)" — no citation for the coordinate and it appears nowhere in the provided chunks or pipeline-computed data.