Haoma Mining NL

October 13, 2021

Haoma Mining Shareholder Update

To all shareholders,

This shareholder report updates the following previous Haoma Shareholder Reports:

- **Haoma Mining Shareholder Update, September 15, 2021**
  https://haoma.com.au/wp-content/uploads/2021/09/Haoma-Mining-NL-Shareholder-Update-September-15-2021.pdf

- **Haoma Mining Shareholder Update, June 15, 2021**
  https://haoma.com.au/wp-content/uploads/2021/06/Haoma-Mining-NL-Shareholder-Update-June-15-2021.pdf

- **2020 Annual Report:**
  https://haoma.com.au/wp-content/uploads/2021/03/Haoma-Mining-NL-Annual-Report-June-30-2020.pdf

- **Chairman's Address** shareholders on Monday March 29, 2021**:**
  https://haoma.com.au/wp-content/uploads/2021/03/Haoma-Chairmans-Address-to-2020-AGM-by-Gary-Morgan-March-29-2021.pdf

The report includes important updated information on:

1. Gold recovered from bulk samples of Bamboo Creek Tailings,
2. Recovering gold from concentrates produced after processing a 550t parcel of low-grade Bamboo Creek gold bearing ore through the Bamboo Creek Plant,
3. Haoma's test work on bulk samples of Mt Webber,
4. Haoma's Mt Webber Joint Venture with Atlas Iron,
5. Haoma's current Mt Webber Region Iron Ore Resource estimates,
6. Pilbara Region Magnetic data,
7. Soansville E45/4174 proposed drilling program – 100% Haoma,
8. Haoma's Pilbara Lithium Prospects,
9. Haoma's Blue Bar Gold Exploration Tenement Group,
10. Sales from Haoma's Elazac Quarry at Cookes Hill and
11. Haoma's Top Camp Roadhouse, Ravenswood, Queensland.

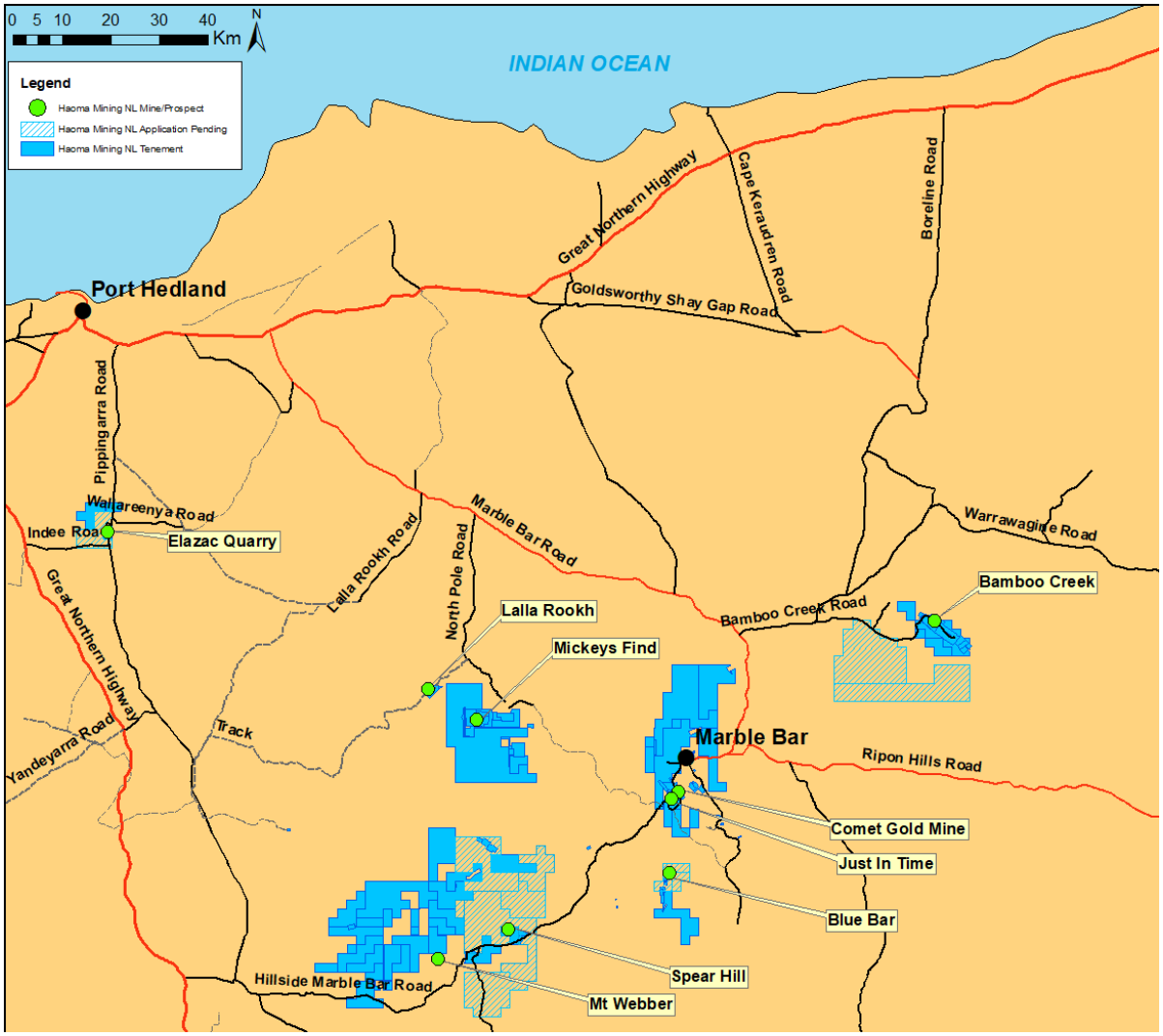


Figure 1: Location map of Haoma Mining Pilbara mining tenements.

1. Gold recovered from bulk samples of Bamboo Creek Tailings

Over the last 4 weeks the Elazac Process has been used to recover gold from processing a 1kg sample of Bamboo Creek Tailings. As previously advised, there is approximately 1 million tonnes of Bamboo Creek Tailings available to be processed at the Bamboo Creek Processing Plant.

Physical gold was recovered which resulted in a Bamboo Creek Tailings gold grade of **11g/t**.

In addition, **20g/t of gold was recovered into cyanide solution** – a check assay of the gold in the cyanide solution is being conducted by ALS, Perth.

The total gold grade in the 1kg sample of Bamboo Creek Tailings, based on physical gold recovered plus gold measured in cyanide solution, was 31g/t.

2. Recovering gold from concentrates produced after processing a 550t parcel of low-grade Bamboo Creek gold bearing ore through the Bamboo Creek Plant

During the next 4 weeks the Elazac Process will be used to recover gold from **concentrate** samples produced when 550 tonnes of '**low' gold grade Bamboo Creek gold bearing ore** was recently processed through the Bamboo Creek Plant. (Shareholders were advised on September 15, 2021 that approximately **550 tonnes of 'low' gold grade Bamboo Creek gold bearing ore** was processed through the Bamboo Creek Plant's crusher and gravity circuit.)

3. Haoma's test work on bulk samples of Mt Webber Ore

On September 15, 2021 shareholders were advised that test work was conducted on **three separate bulk samples of 'goethite ore'** collected from the Dalton's 'Northern Zone' (known as 'Lookout Point') north of the current Mt Webber mine pit. (Haoma believes the current **iron ore resource in the 'Northern Zone'** is **about 3+ million tonnes of lower grade 'goethite ore', see Table 1 below.)**

Haoma's tests recovered **gold dore** from smelting the 'fines' fraction (<0.85mm) separated after crushing the three bulk samples to 10mm. The quantity of the <0.85mm fraction recovered varied for each of the three samples depending on the % Fe in each sample and whether the sample contained mainly 'large rocks' or 'fines' – in total about 3.4% of the bulk samples collected were <0.85mm fines.

The gold grade in each sample varied. The average gold grade was 21.16g/t based on gold dore recovered from each of the three samples of <0.85mm 'fines' – obviously a significant result.

An additional 'finding' showed the average percentage of 'Iron' (measured by ALS) in the '<0.85mm' fraction (**average 31.06% Fe)** was **significantly lower than the average % Iron 'Head grade' (average 40.07% Fe) for the three samples.** I.e., the percentage of 'Iron' in the sample remaining was 'upgraded' after the fines were removed.

The test is continuing as additional gold is expected to be recovered from 'other fractions' from each sample.

Over the next month Haoma expects to process **through the Bamboo Creek Plant**:

1) **100t of Mt Webber low grade iron ore, and**
2) **300t of Mt Webber waste produced from Atlas Iron mining of iron ore at Mt Webber.**

The processing of the above bulk Mt Webber ore samples will produce both **fines** and **concentrates from the fines. The Elazac Process will be used to recover gold from each ore fraction produced.**

4. Haoma's Mt Webber Joint Venture with Atlas Iron

Atlas Iron management has provided Haoma with their proposed 'Programs of works' for Mt Webber for the next 3 years. The present Atlas proposed 'Programs of works' over the next 3 years shows Atlas does not intent mining more than the 24,373,446t of iron ore from Mt Webber than that Atlas has paid Haoma a royalty.

Over the last month there has been considerable press on 'green steel' being produced with the use of hydrogen. Haoma believes there will be an increase in demand for **goethite iron ore** and **magnetite iron ore** from new smelters designed to **produce 'Green steel'**.

The Mt Webber tenement and Haoma's many nearby tenements (now held 100% by Haoma) **contain significant quantities of 'goethite' iron ore (FeO (H2O))** which is usually of a lower iron ore grade than 'hematite' but contains fewer impurities and has a higher LOI (Loss on Ignition) of between 7% and 10% - these features of 'goethite' mean that when blended with say 20% 'magnetite' and 70% 'hematite' the 'combined' iron ore mix can be **smelted by an 'induction furnace' using just gas and no coking coal – resulting in low Co2 emissions and 'Green steel'!**

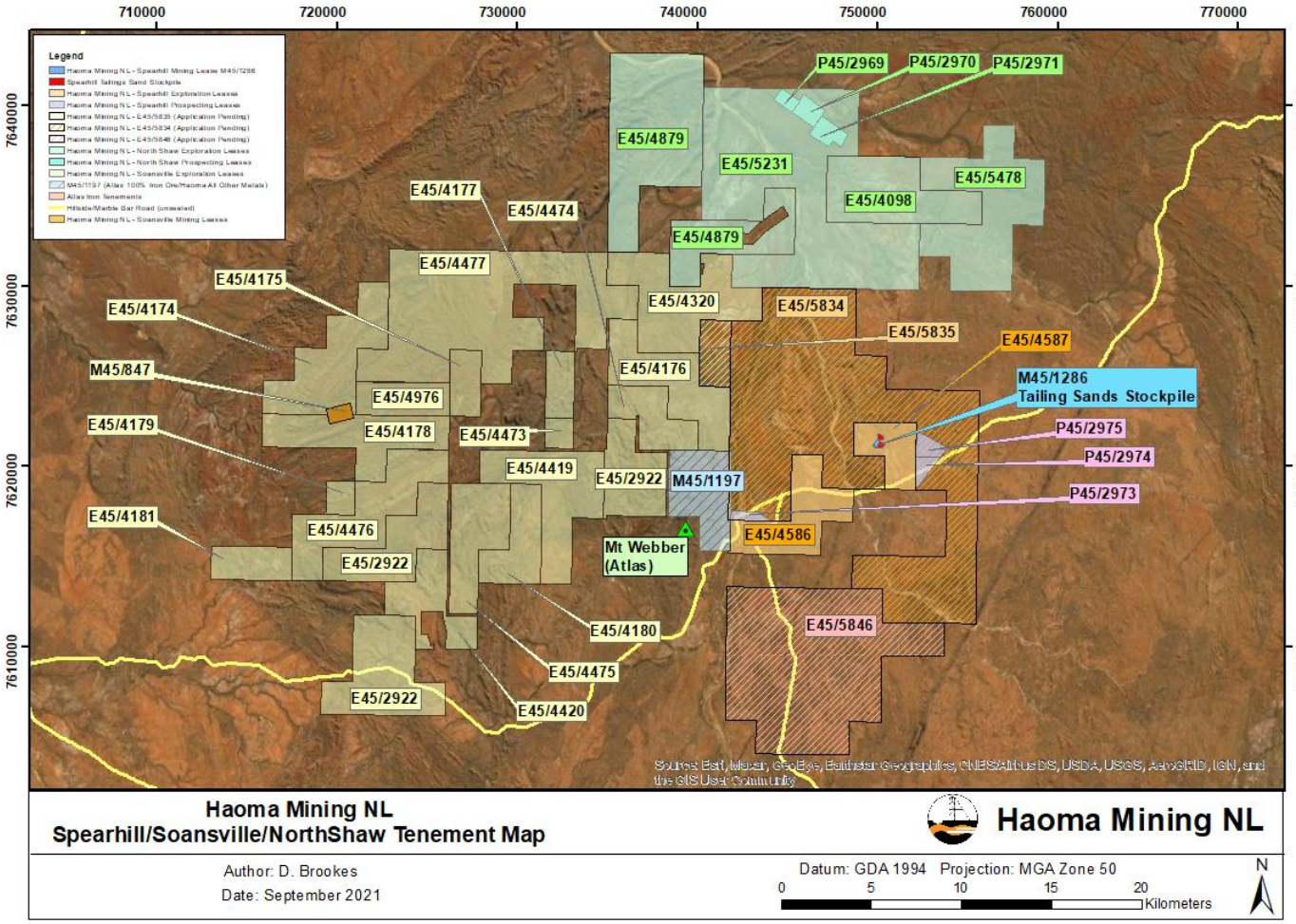


Figure 2: Atlas's Mt Webber, Haoma's 'Soansville' Iron Ore Tenements and Haoma's Spear Hill Tenement Group (C145/2016) comprising M45/1286 (under application), E45/4586, E45/4587, E45/5834 (under application), E45/5835 (under application), and E45/5846 (under application) adjoining Mt Webber.

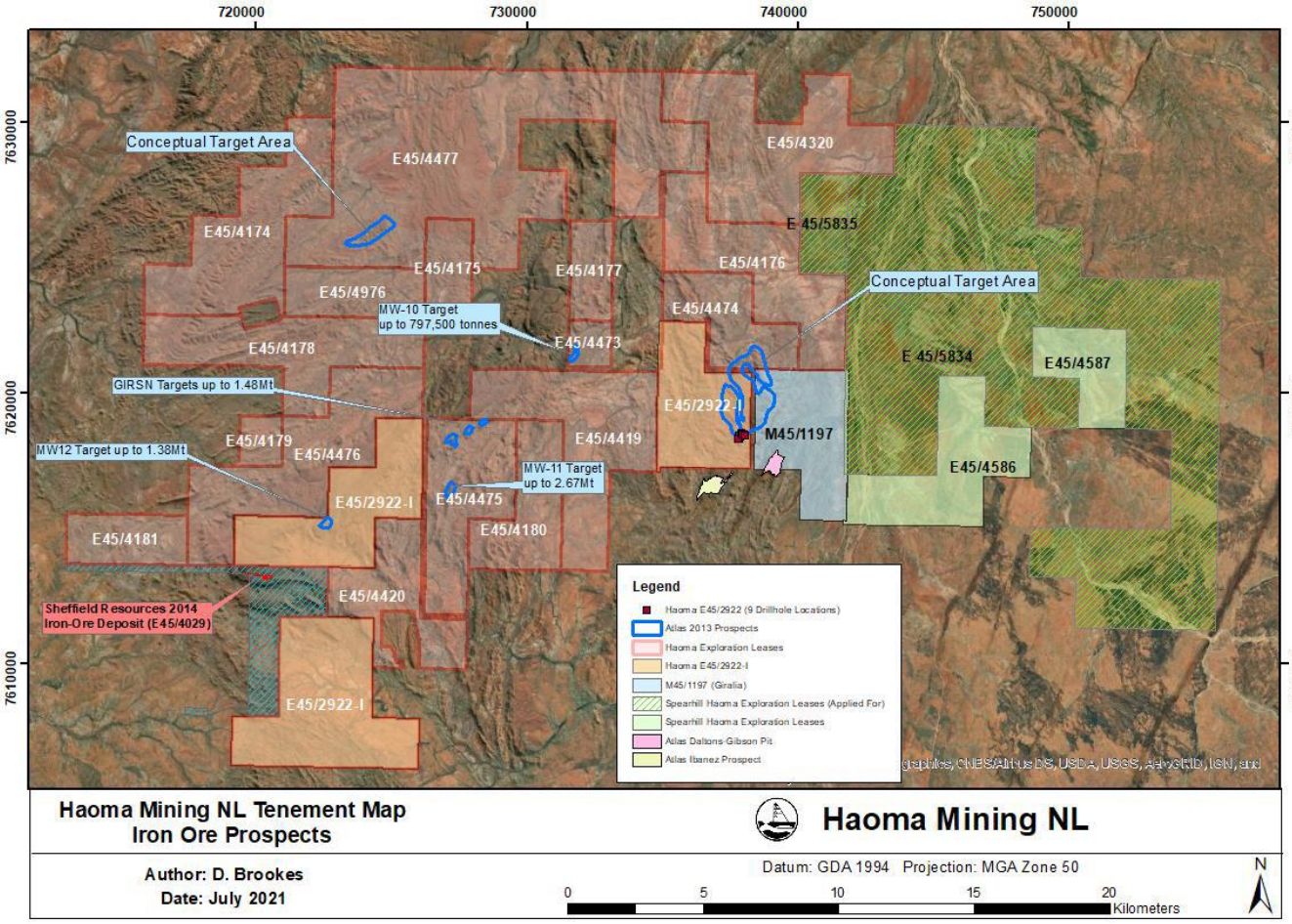
5. Haoma's current Mt Webber Region Iron Ore Resource estimates

Table 1 below lists Haoma's current iron ore resource estimates in the **Mt Webber Region**.

Haoma's planned drilling program **in the coming Quarter could increase** the iron ore resources estimates on **Haoma's 100% owned 'twenty' plus tenements surrounding Mt Webber**.

Table 1: Haoma's current Mt Webber Region Iron Ore Resource estimates.

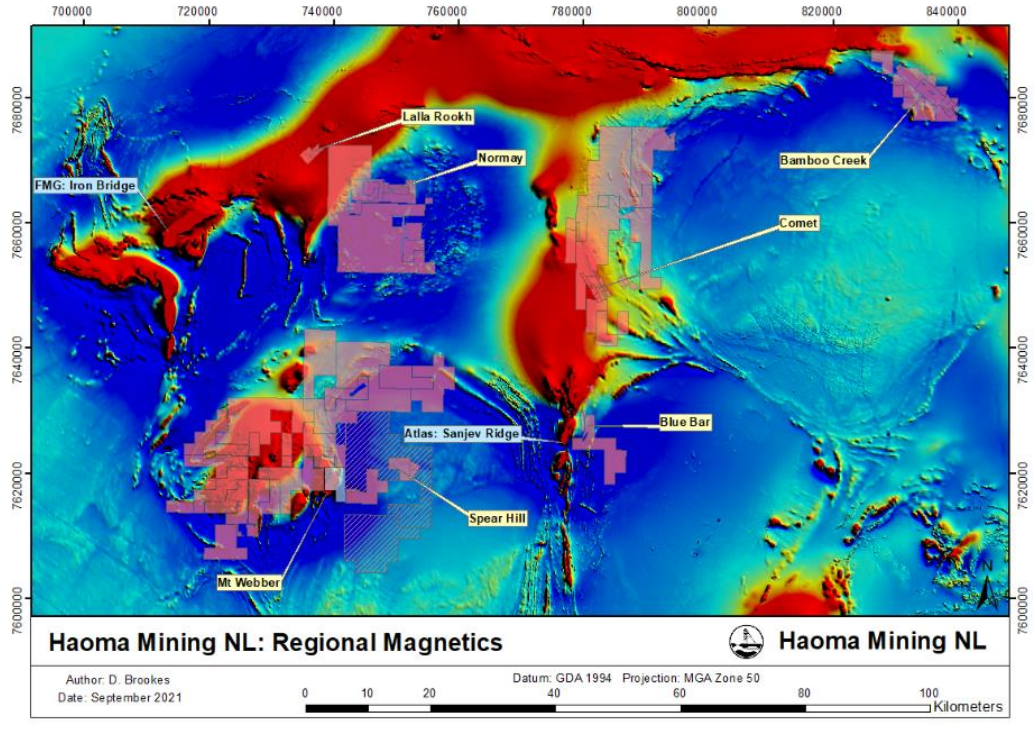
Location of Haoma's current Iron Ore Resource estimates in the Mt Webber Region	**Potential Resource**
'Waste Dump' at Mt Webber, available to Haoma when Atlas advises they will not be processing or exporting the iron ore content.	4+mt
North of the current Mt Webber Mine at 'Lookout Point'. (Drilled and reported to Haoma by Giralia and Atlas prior to June 2018.)	3+mt
Below the current Mt. Webber Mine Pit from which about 24mt of iron ore has been mined and sold by Atlas Iron to September 2021.	4+mt
Indicated Resources on **Haoma Mining 100% owned 'twenty' plus tenements surrounding Mt Webber**. (Based on drill hole and sampling data collected by Giralia and Atlas prior to June 2018, see Figure 3 below.)	6+mt
Total	**17+mt**



<u>Figure 3:</u> Indicated Resources on Haoma Mining 100% owned 'twenty' plus tenements surrounding Mt Webber.

6. <u>Pilbara Region Magnetic data</u>

A review of publicly available **Pilbara Magnetic data** revealed large areas surrounding the Mt Webber iron ore mine with similar **magnetic 'responses'** to Mt Webber and some other Pilbara iron ore mines such as Iron Bridge (FMG) and Sanjeev's Ridge (Atlas).



<u>Figure 4:</u> Pilbara Region Magnetic Map indicating prospectivity in Haoma tenements near Mt Webber.

In 2018 a merged publicly available dataset over the **Mt Webber Region** showed many large and smaller scale iron ore prospects.

Areas of particular interest to Haoma are shown in Figure 5 below where similar **magnetic intensity** can be seen in several prospects north of Haoma's E45/2922 namely E45/4174, E45/4175, E45/4976, E45/4477 & E45/4178, plus E45/4419 and E45/4475 directly west of the current Mt Webber iron ore mine.

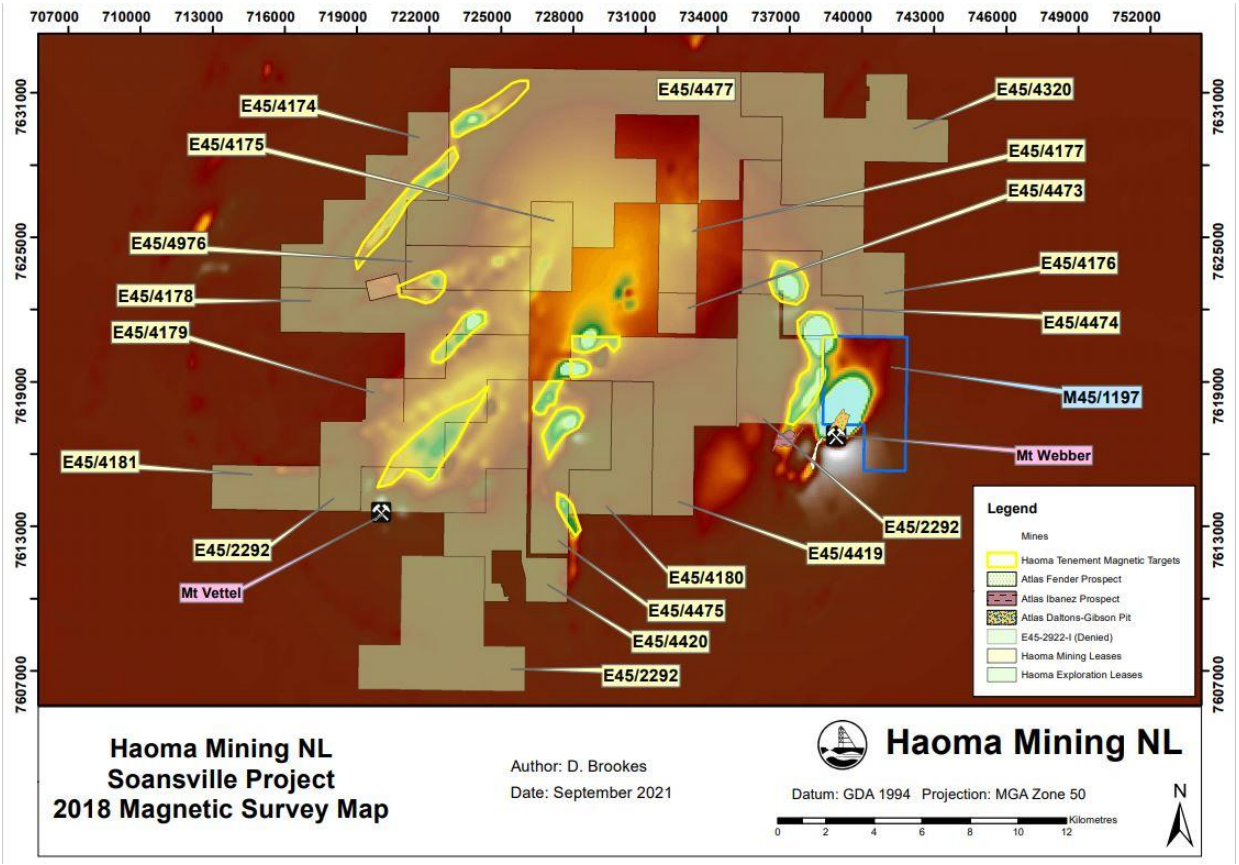


Figure 5: A 2018 magnetic survey over the Mt Webber Region highlights prospective areas within Haoma's tenements in the Mt Webber Region. (Compare with Figure 4 above.)

7. Soansville E45/4174 proposed drilling program – 100% Haoma

In the **Soansville** area in the coming Quarter**,** based on positive surface sample assays, **Haoma** will undertake a **20 hole drilling program** to better define an iron ore resource. The drill program will comprise 20 shallow holes to 20m depth, over an area which covers up to 10km of outcrop.

Figure 6 (a): Soansville E45/4174 iron ore outcrop

Figure 6(b): Soansville E45/4174 range looking north-east

8. Haoma's Pilbara Lithium Prospects

Haoma has a number of Lithium Prospects in the Pilbara Region located at Cookes Hill, Spear Hill, Marble Bar and near Bamboo Creek. See Figures 7 (a), 7(b), 8, 9 & 10.

At **Cookes Hill**, under the Terms of the 2016 Agreement that Haoma sold its gold and silver interest in E45/2983 to De Grey Mining, Haoma **retained the right to treat any alluvial or scree resources and the tailings and waste dumps** arising from any mining subsequently undertaken on De Grey's 'Turner River East Project' and **to explore for, mine and process Pegmatic Minerals**. See Figures 7(a) and 7(b). De Grey's 'Turner River East Project' is defined as all of tenements E45/2983 and E45/4751 and the area covered by a radius of 3 km from the south-west corner of tenement E45/2533. **Pegmatic Minerals** is defined as minerals containing lithium, tantalum, tin and Rare Earth Elements and lithium indicator metals such as caesium, niobium, rubidium and beryllium.

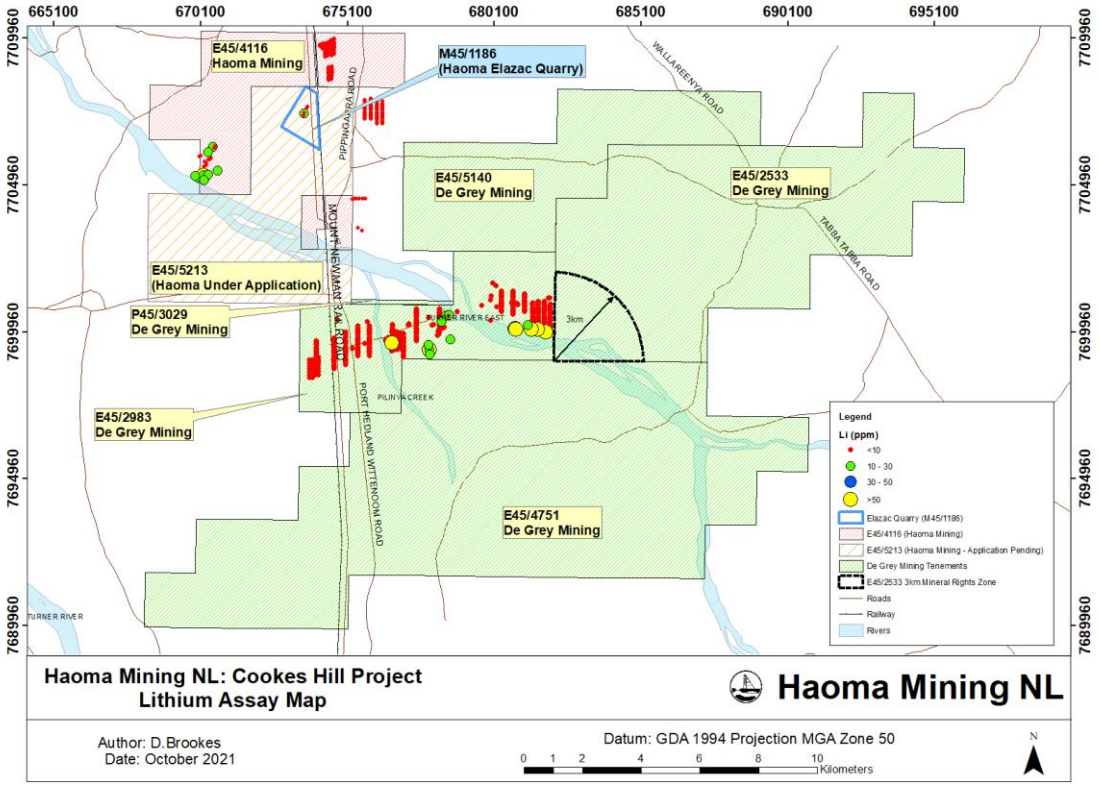


Figure 7(a): **Haoma's Cookes Hill Lithium Prospect areas**

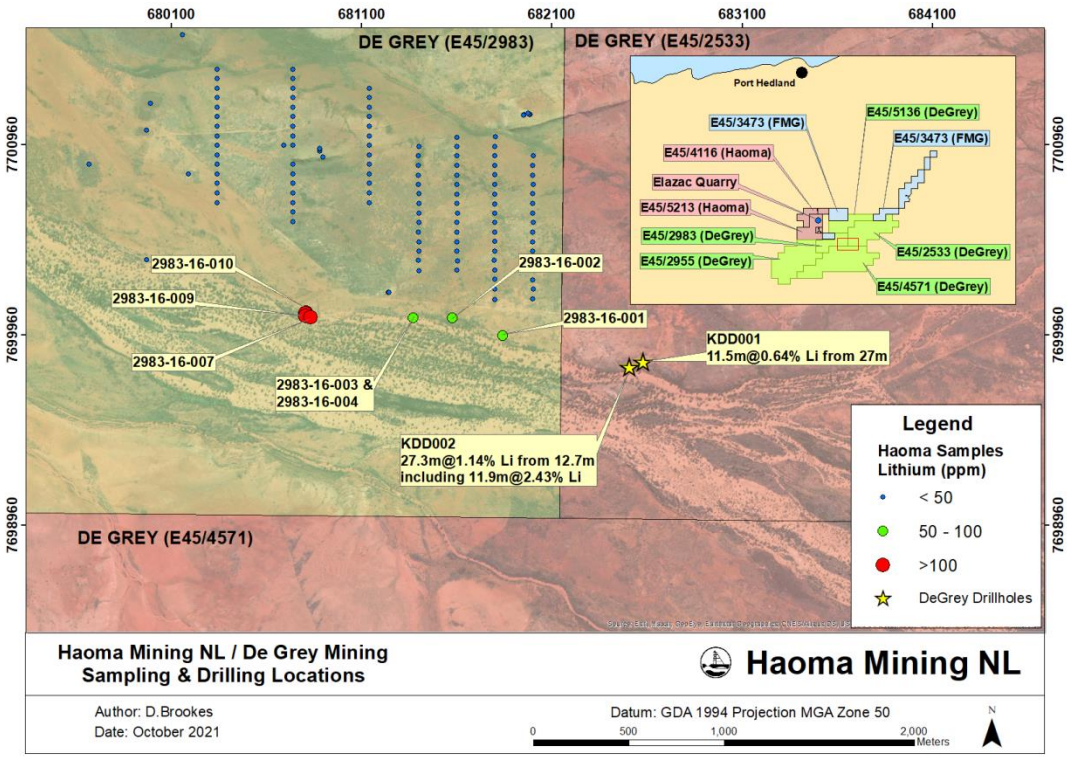


Figure 7(b): **Haoma's Cookes Hill Lithium sample & drill locations and Lithium grades areas**

At **Spear Hill**, previous surface sampling identified numerous areas prospective for **Lithium** in tenements recently applied for by Haoma including E45/5834, E45/5835, E45/5846, and E45/6054. See Figure 8.

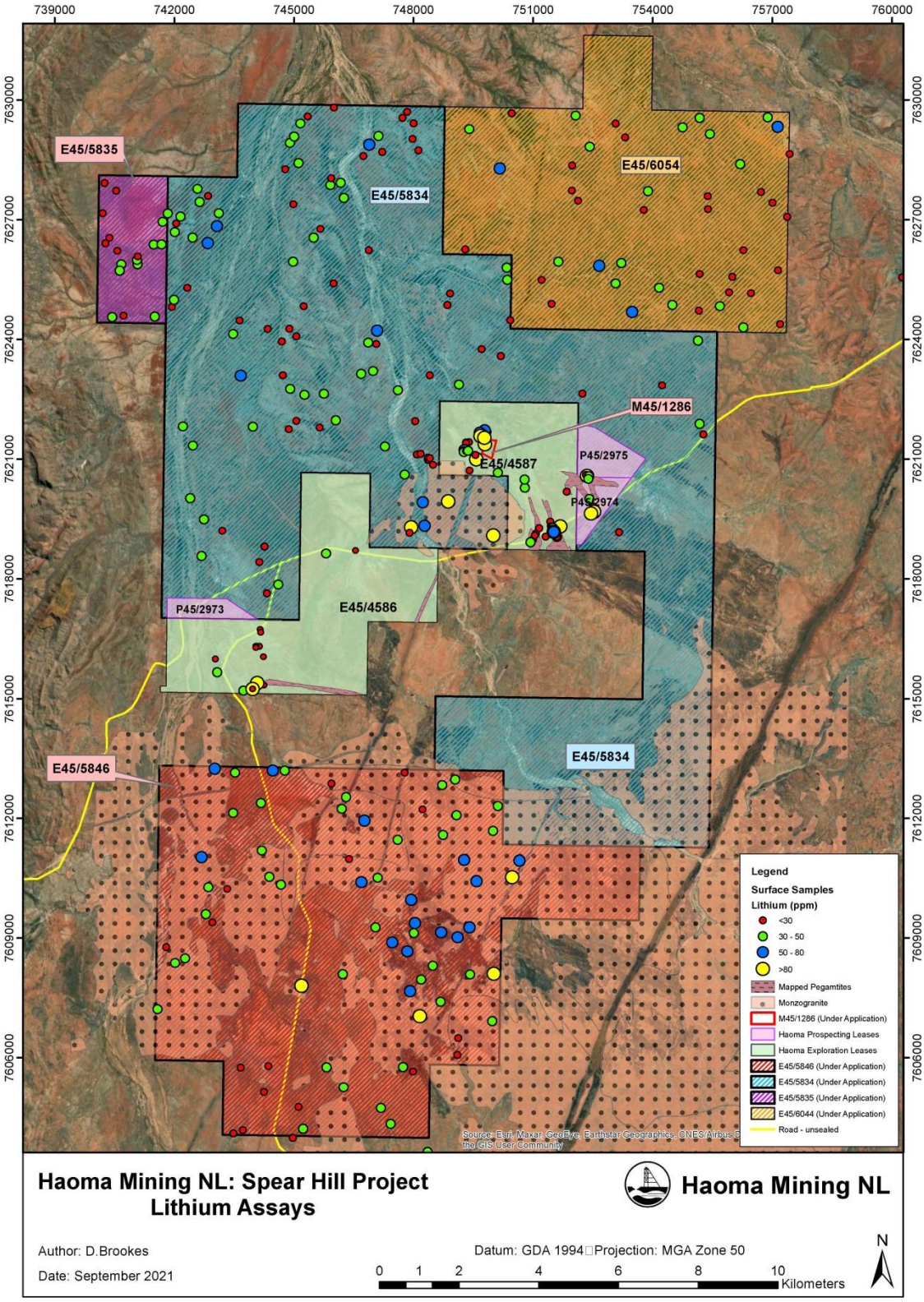
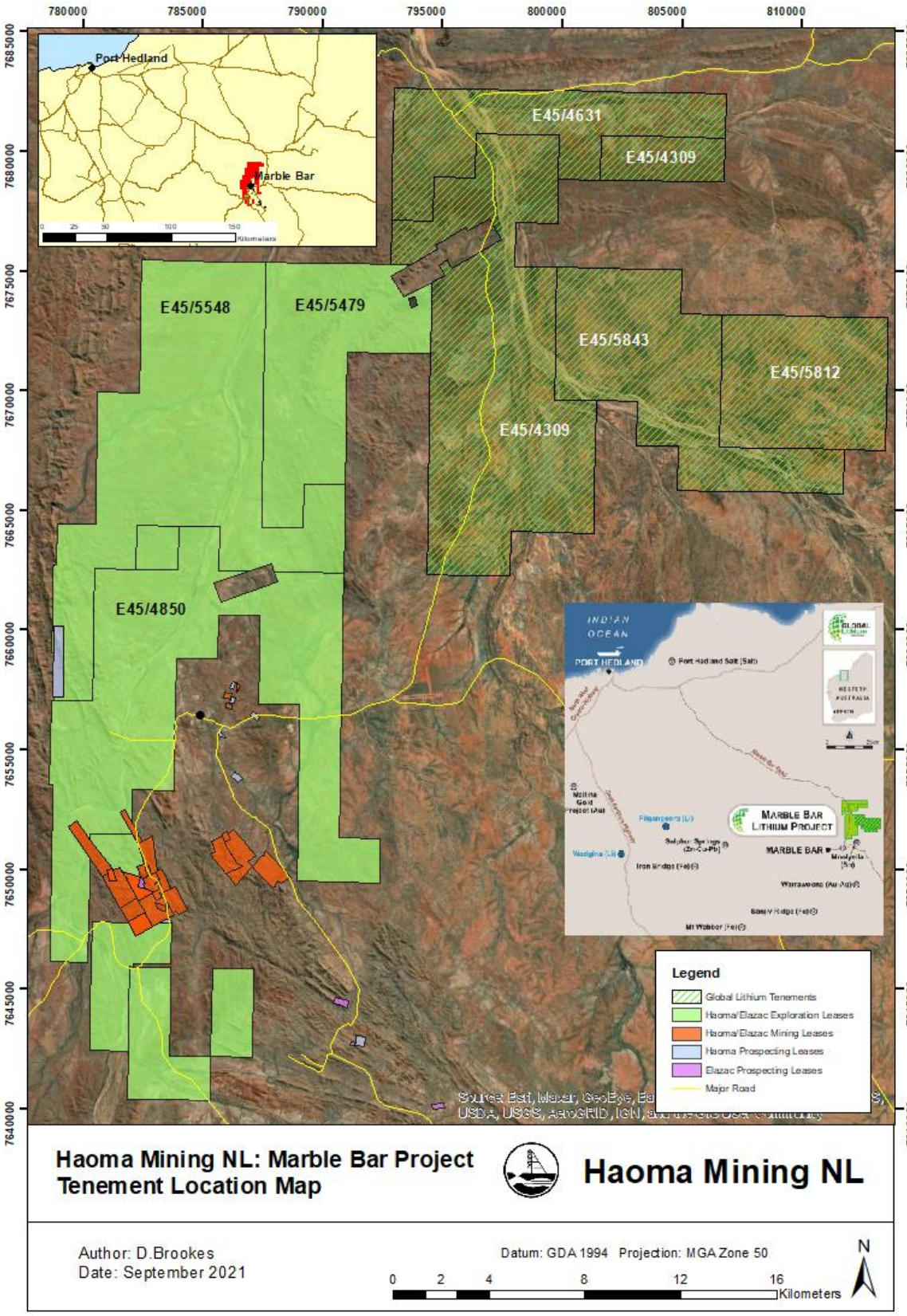


Figure 8: Spear Hill Lithium Prospect areas



<u>Figure 9:</u> Marble Bar (Talga Talga) Lithium Prospect areas

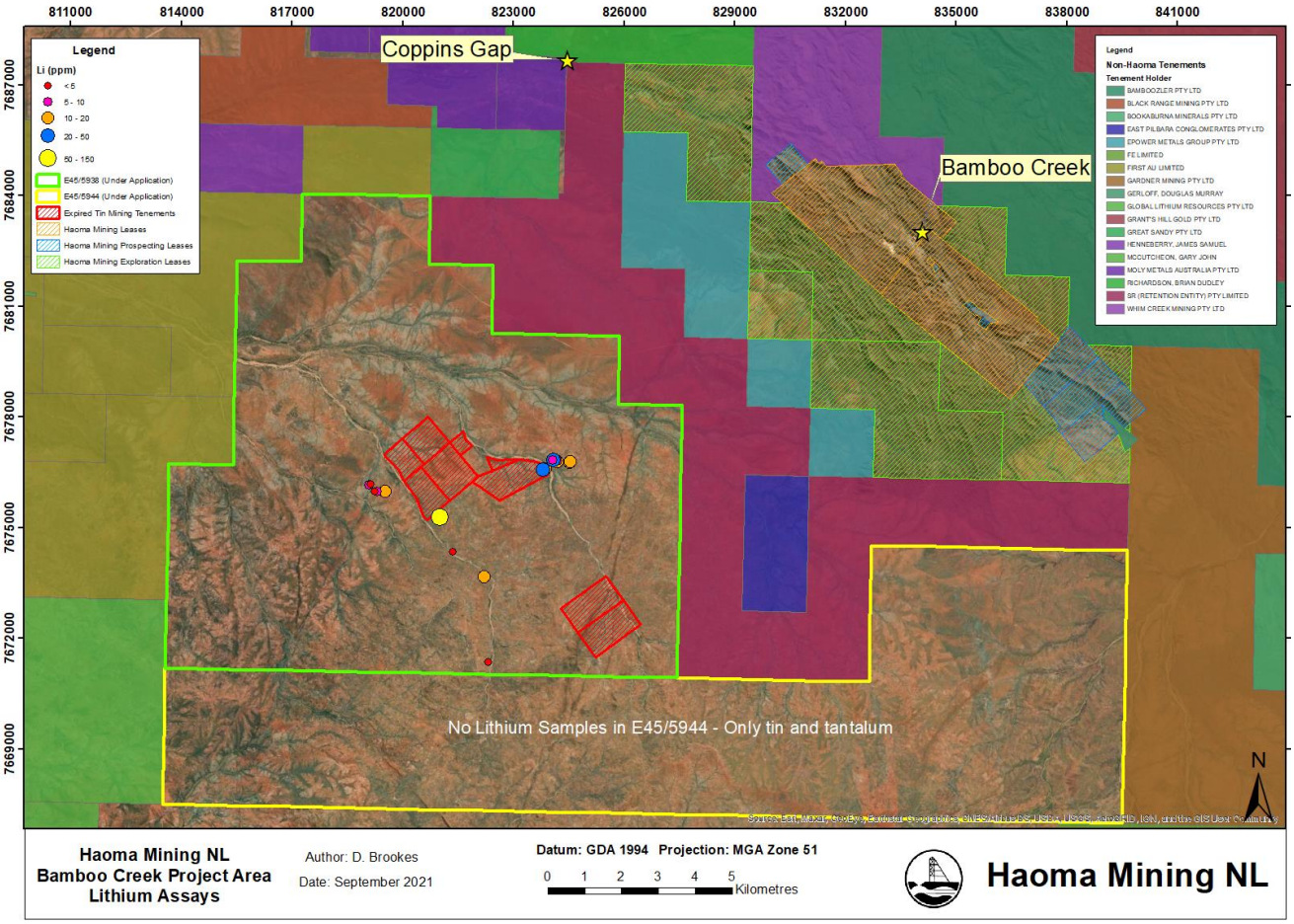


Figure 10: Lithium Prospect areas Bamboo Creek

9. Haoma's Blue Bar Gold Exploration Tenement Group – M45/591, M45/678, M45/906, E45/5320, E45/6055 (under application), E45/6069 (under application, P45/2964, P45/2965, P45/2966

At **Blue Bar**, Haoma recently applied for two exploration tenements E45/6055 and E45/6069 near its gold mining area located approximately 25km south of Marble Ba. The tenements surround Haoma's exiting three mining leases and adjoin exploration tenement E45/5230 to the south.

Gold mineralisation at Blue Bar is associated with the north-south trending Blue Bar Shear Zone. The shear zone extends to the south of Blue Bar Mine for a distance exceeding 8km. See Figure 11 below.

Once the two tenements are approved Haoma will have a more direct access to the Blue Bar Mining Leases. This will allow Blue Bar gold bearing ore to be transported directly along the **Sanjeev's Ridge sealed road** (only 300m from the north-west corner of exploration tenement E45/6069) through to Marble Bar and to Haoma's processing plant at Bamboo Creek.

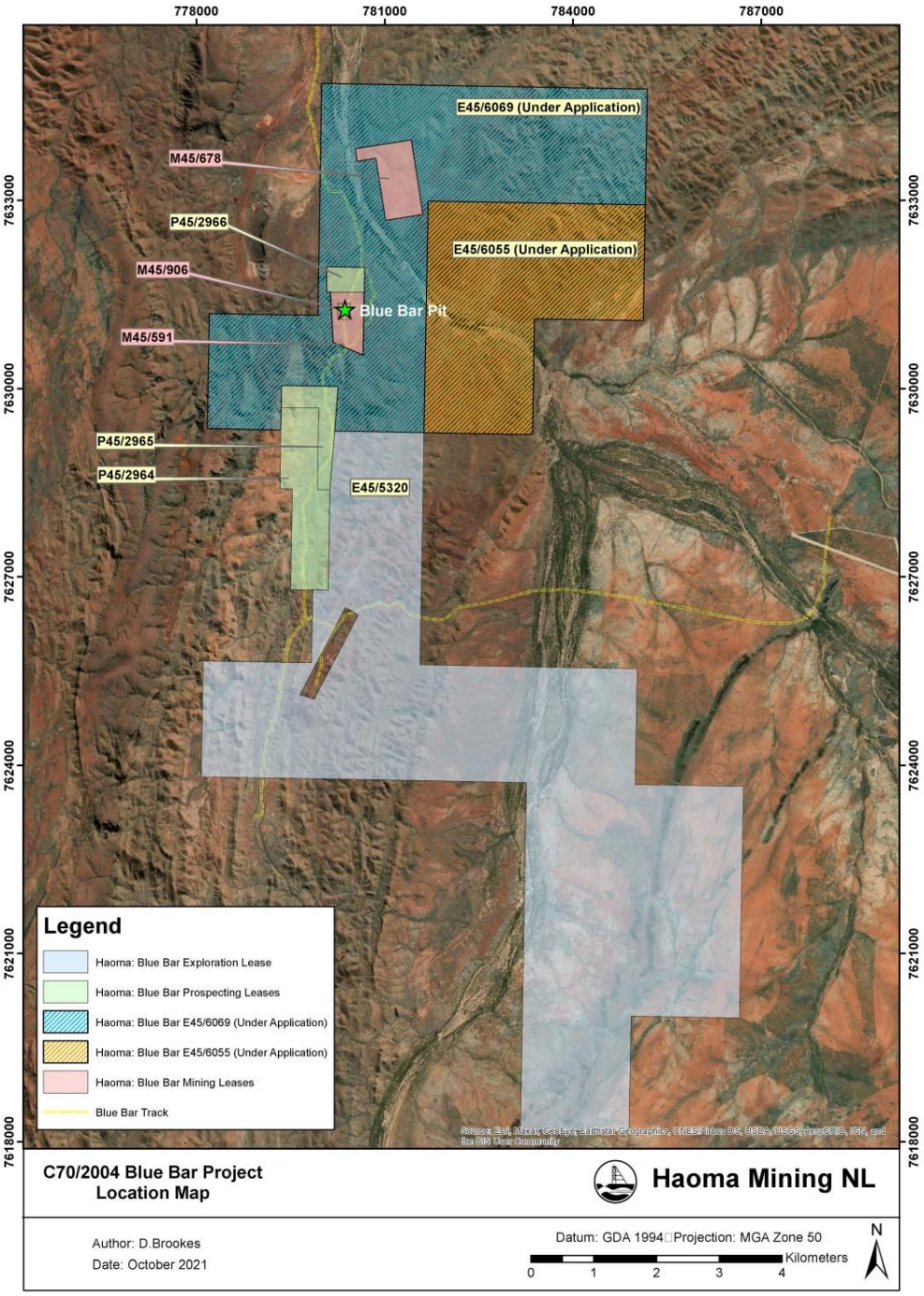


Figure 11: Blue Bar Project location map

10. Sales from Haoma's Elazac Quarry at Cookes Hill (M45/1186)

Haoma's Elazac Quarry at Cookes Hill (M45/1186) is operated under licence by Brookdale Contracting. In the Quarter to September 30, 2021 Haoma sold 135,003 tonnes of rock to Brookdale from the Elazac Quarry. Revenues for the last two years and for the current year to date (July to September 2021) are shown in Table 2 below.

Table 2: Sales from Haoma's Elazac Quarry.

	2020	2021	2022 YTD (3 months)
Ballast	-	$326,449	$137,489
Rock Armour	$772,392	$317,187	$400,041
Total	**$772,392**	**$643,636**	**$537,530**

11. Haoma's Top Camp Roadhouse, Ravenswood, Queensland

Works on upgrading **Top Camp Roadhouse** facilities are continuing. The access roads were recently re-surfaced and a new diesel bowser added to service diesel vehicles requiring fuel. The retail area has been expanded to allow extra capacity for patrons and goods 'for sale'. Repair and maintenance works have continued in the campgrounds and other facilities.

Over the next few months additional accommodation and other facilities are planned at Top Camp as it is presently operating at near 100% capacity.

Haoma shareholders travelling through the 'district' are welcome to call in at Top Camp and stay at a 50% discounted 'cabin' rate. To book, **please call Cathy Mew on (07) 4770 2168.**

Figure 12: Aerial view of Top Camp

Yours sincerely

Gary C. Morgan
Chairman