

Lamb Creek Iron Ore Project

Proposal Content Document

Table 1: General proposal content description

Proposal title	Lamb Creek Iron Ore Project
Proponent name	Process Minerals International (PMI) a wholly owned subsidiary of Mineral Resources Limited (MinRes) (ACN 118 549 910)
Short description	<p>Open pit iron ore mine located approximately 130 km northwest of Newman (Figure 1) to produce up to 10 million tonnes per annum (Mtpa) of crushed and screened iron ore over a period of three to five years. The Proposal comprises a multi-stage crushing and screening (two or three stages) process plant and associated mine infrastructure including, but not limited to, site offices, maintenance and equipment service area, water pipelines, fuel storage, power generation, telecommunications and an accommodation village for site personnel. The total disturbance footprint of the proposal is 638.4 ha (Indicative Footprint), within a Development Envelope of 860.9 ha (Figure 2).</p> <p>Iron ore product will be loaded onto road trains and transported 16 km on a dedicated private haul road to its intersection with GNH, where it will be transported 320 km to ship load-out facilities at the Utah Point berth in Port Hedland.</p>

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Development Envelope (DE)	Figure 2	860.9 ha
Indicative Footprint (IF)	Figure 2	638.4 ha
Mining and Processing elements including, but not limited to: <ul style="list-style-type: none">• Open Pit• internal haul roads• ROM Pad• Waste Rock Landforms (WRLs)• Processing facilities	Figure 3	Clearing of no more than 638.4 ha within the 860.9 ha Development Envelope

<ul style="list-style-type: none"> • water storage dam • ore stockpiles • top soil stockpiles <p>Infrastructure elements including, but not limited to:</p> <ul style="list-style-type: none"> • Accommodation camp • light vehicle roads • workshops • power supply infrastructure • fuel/hydrocarbon storage • potable water storage • waste disposal; and • sewage treatment and disposal. 		
Transport Corridor, including borrow areas along the road alignment	Figure 3	Mine site to Great Northern Highway - 16 km haul road, clearing of no more than 168 ha within the Development Envelope
Construction elements		
<p>Site clearing for access, mine site and supporting infrastructure:</p> <ul style="list-style-type: none"> • grubbing • top soil striping and stockpiling 	Figure 2	Clearing of no more than 638.4 ha within the 860.9 ha Development Envelope
<p>Laydown areas constructed for:</p> <ul style="list-style-type: none"> • mobile concrete batching plant • temporary construction facilities • storage of construction materials, and • storage of plant and equipment 	Across the site, Figure 3	Within the Indicative Footprint of 638.4 ha
<p>Mobile crushing and screening plant for purposes of;</p> <ul style="list-style-type: none"> • Production of construction materials 	Across the site, Figure 3	Capable of processing up to 3 Mtpa

<ul style="list-style-type: none"> Initial production depending on Proposal schedule requirements, and Complementing the main fixed crushing and screening facility during Proposal commissioning and operation 		
Mobile concrete batching plant	Across the site, Figure 3	Capacity up to 45 m3/hr All concrete produced to be used on site
Temporary construction camp	Figure 4	Up to 150 rooms for construction personnel
Operational elements		
Pit Dewatering	Figure 4	Pit dewatering via production bores and in-pit sumps; estimated flow rates to vary during pit development from 17 L/s to 58 L/s with water to be used on site
Groundwater Abstraction	Figure 4	Preliminary estimated water requirement of up to 950 ML/yr to be obtained from production bores and in-it sumps for use on site
Waste Disposal	Figure 4	Non-hazardous waste (estimated maximum of 2,500 tpa) and hazardous wastes to be transported for off-site disposal / treatment at licensed premises
Power Supply	Figure 4	Average demand of 1,880 kW, peaking at 3,460 kW; on-site generation with built-in redundancy (multiple units on operating or standby duty)
Crushing and screening plant processing limit	Figure 4	Processing of ore to produce up to 10 million tonnes per annum (Mtpa) of crushed and screened iron ore. Mobile crushing and screening processing up to 3 Mtpa (included within the 10 Mtpa limit)
Proposal elements with greenhouse gas emissions		
Peak Annual:		
Scope 1	Total greenhouse gas emissions for Year 2: 230,935 tCO ₂ -e/yr	
Scope 2	None, all electricity generated on-site and is accounted for in Scope 1	

Scope 3	Total greenhouse gas emissions for Year 4: 11,114,740 tCO2-e/yr	
Annual average life of mine:		
Scope 1	Annual greenhouse gas emissions for Year 1: 103,615 tCO2-e/yr	
	Average annual greenhouse gas emissions for Year 2-5 186,988 tCO2- e/yr	
Scope 2	None, all electricity generated on-site and is accounted for in Scope 1	
Scope 3	Annual greenhouse gas emissions for Year 1: 2,318,639 tCO2-e/yr	
Rehabilitation		
The Proponent will implement a Mine Closure Plan (MCP) in accordance with Mine Closure Plan Guidance – How to prepare in accordance with <i>Part 1 of the Statutory Guidelines for Mine Closure Plans (DMIRS 2020)</i> . Progressive rehabilitation will be undertaken over the life of the mine, with progressive backfilling of the pit occurring during all three stages of pit development, to at least 5 m above the pre-mining water table. Areas disturbed through implementation of the Proposal will be designed to be safe and non-polluting and constructed so that final shape, size, stability and ability to support local native vegetation are comparable to natural landforms in the area		
Commissioning		
The forecast key milestones for construction and commissioning are: Construction Q3 2025 to Q1 2026. Commence commissioning Q4 2025 to Q1 2026. Commence operation from Q1 to Q2 2026. Construction and commissioning will be sequenced as per the following stages: Stage 1 – construction verification. Stage 2 – pre commissioning or functional testing. Stage 3 – no load commissioning. Stage 4 – load commissioning. Stage 5 – performance verification.		
Decommissioning		
The Proposal is largely situated on the Juna Downs pastoral lease (LPL N050471). When operation ceases it is expected that the Proposal land will return to pastoral activities. Some domains will require additional closure management in the short term or permanently to ensure the end land use can be safely and effectively achieved. Immediately following decommissioning, land use will be “mine site rehabilitation” until ecosystems have demonstrated sufficient resilience and satisfy closure objectives and completion criteria. The rehabilitated WRLs and the partially backfilled open pit will be permanent landscape features; however, the size and location of the final landforms may be altered, subject to the nature and extent of future mining campaigns		
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	Approximately 3 to 5 years

	Construction phase	Approximately 6 to 12 months (including early works and construction from overlapping approvals)
	Operations phase	Up to 365 operation days per year over anticipated 3 to 5 years; up to 24 hours per day
	Decommissioning phase	Decommissioning and closure will occur over a ten year timeframe from the cessation of processing (expected start FY 2030)

** Proponents should only provide realistic timeframes to avoid unnecessary change to proposal applications at referral (section 38C), assessment (section 43A) or post assessment (section 45C).*

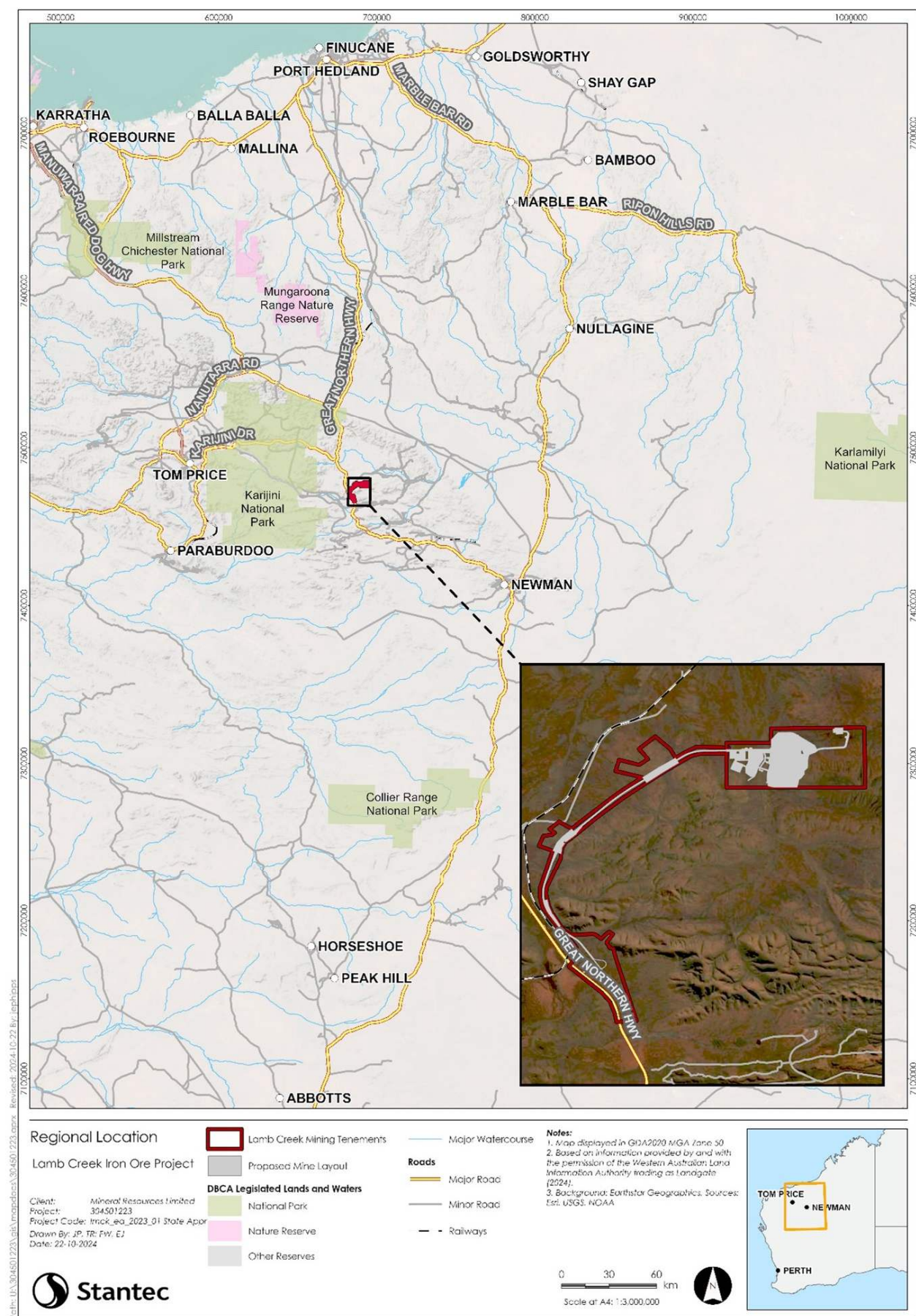


Figure 1 – Regional Location

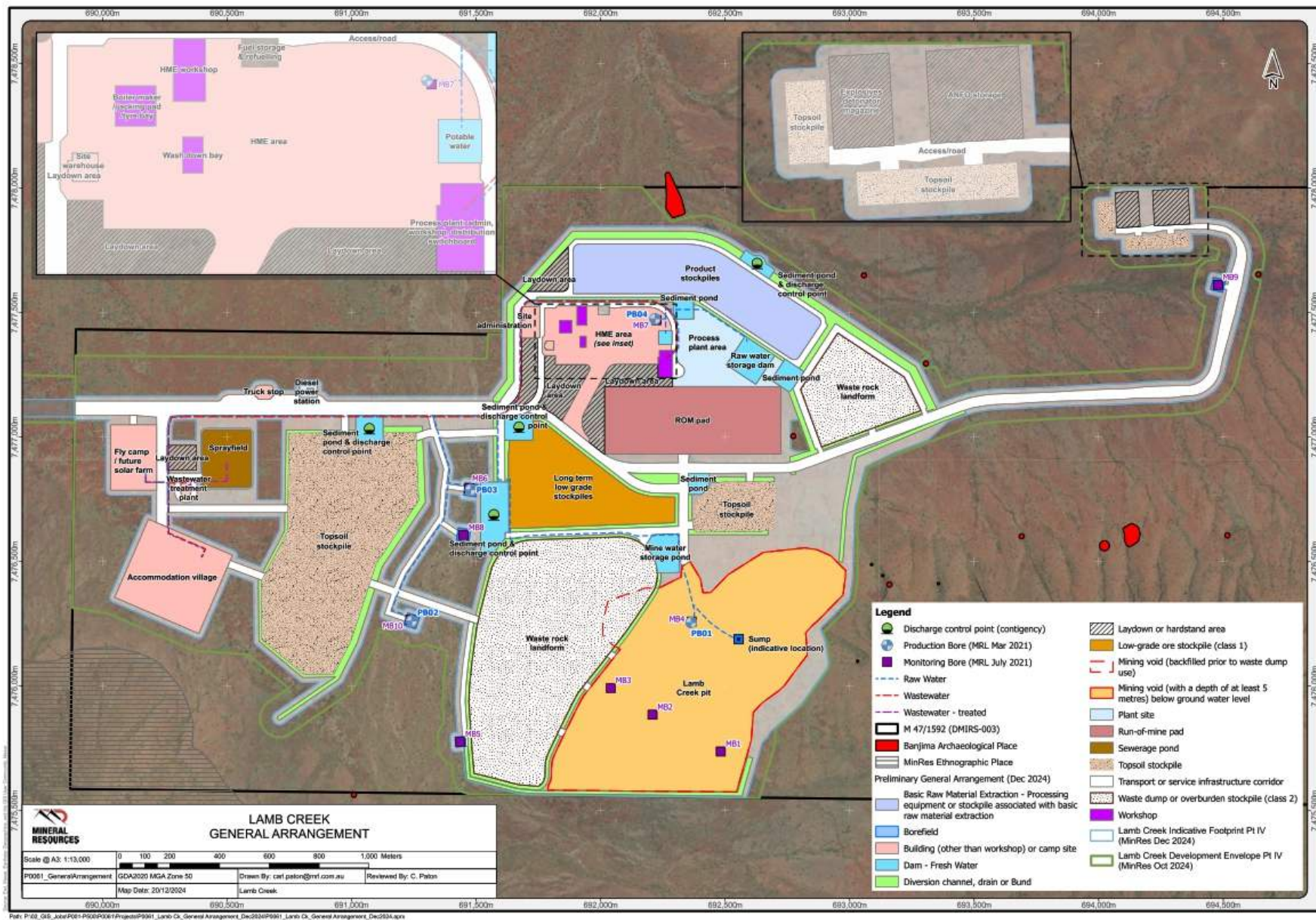


Figure 4 – General Arrangement