

Sanjiv Ridge Project

Proposal Content Document

Table 1: General proposal content description

Proposal title	Sanjiv Ridge Pit Expansion, Stage 1 Below Groundwater Table Mining
Proponent name	Atlas Iron Pty Ltd
Short description	<p>Sanjiv Ridge is an Iron ore mine located approximately 33km south of Marble Bar in the Pilbara region of Western Australia.</p> <p>The proposal involves expansion of the existing Stage 1 approval to allow mining below the water table at Mine Pits (Sparrow, Shark Gully, Runway North and Runway South), development of additional pits (Pedmore and CD15), an increase to groundwater abstraction to support operations, management of surplus water and potentially acid forming material, and additional clearing of native vegetation for expanded waste rock landforms and other supporting infrastructure.</p>

Table 2: Proposal content elements

Proposal element	Location / description	Existing proposal extent, capacity or range	Proposed max extent, capacity or range	Combined max extent, capacity or range
Physical elements				
Mine elements including but not limited to: <ul style="list-style-type: none"> Open Pits (above and below water table) Waste Rock Landforms Low-grade Stockpiles Topsoil Stockpiles Ore stockpiles Run of Mine Pads 	Figure 1.1, 1.2 & 1.3	Up to 423.11 ha of native vegetation clearing within a 2,257.6 ha Mine Development Envelope (MDE).	An additional 196.8 ha of native vegetation clearing.	Total combined clearing of up to 619.91 ha within the existing 2,257.6 ha MDE
Infrastructure Elements including but not limited to <ul style="list-style-type: none"> Borefields Surface water management infrastructure Borrow pits Landfill site Camp Laydown or hardstand area Communication Tower Low-grade ore stockpiles (Class 1 and 2) Administrative Buildings Topsoil stockpiles Magazine Transport or service infrastructure corridors Fresh Water Dams Access Roads and haul roads Irrigation Spray Field Workshops 	Figures 1.3 & 1.4			
Construction elements				
Nil	N/A	N/A	N/A	NA No construction elements are required to implement this proposal.
Operational elements				
Groundwater Abstraction	Abstraction for water supply and mine dewatering.	No more than 1.1 gigalitres per annum from borefields.	The worst-case scenario based on modelling results indicates approximately 1.3 GL will be abstracted for dewatering per annum over the life of the Proposal.	A combined total of 2.4 GL of groundwater abstracted for dewatering and production activities based on worst case modelling scenarios.
Surplus Water Management	Controlled discharge of surplus water to on tenure tributaries draining to the environment	N/A	Approximate maximum of 30 l/s surplus modelled ¹	30l/s surplus modelled ¹
Waste Material Management	Potentially Acid Forming Materials (sulphur content > 0.1% S; or iron ≤45 wt% and sulphur ≥0.1 wt%)	N/A	Volume of PAF material requiring management in cells is estimated at 396,463 bcm ²	396,463 bcm ²
Proposal elements with greenhouse gas emissions				
Proposal element	Existing proposal extent, capacity or range	Proposed max extent, capacity or range	Maximum extent, capacity or range	
Construction elements:				
Scope 1	Not Assessed	N/A Construction elements not required to implement the Proposal, therefore no Scope 1 emissions generated.		
Scope 2	Not Assessed	N/A Construction elements not required to implement the Proposal, therefore no Scope 2 emissions generated.		

¹ Model under review

² Will be further defined by drilling

Operation elements:				
Scope 1	Not Assessed On average the Sanjiv Ridge Project currently reports 25,258 tCO ₂ -e/year.	The expansion will increase GHG emissions by approximately 53,865 tCO ₂ -e/year.	The total estimated Scope 1 GHG emissions over the LOP are 395,613 tCO ₂ -e and the average annual emissions are 79,123 tCO ₂ -e/year.	
Scope 2	Not Assessed Zero as electricity demand met by on-site generation and included in Scope 1 emissions.			
Rehabilitation				
Where practicable, progressive rehabilitation will be undertaken over the life of the mine in accordance with the Projects Mine Closure Plan. Areas disturbed through the implementation of the Proposal will be designed to be safe and non-polluting and will be constructed so the final shape, size, stability, are comparable with the natural landforms in the area.				
Commissioning				
NA				
Decommissioning				
Closure of the project will leave the site in a safe stable condition such that tenements can be relinquished without any future liability for the proponent or the community.				
Other elements which affect extent of effects on the environment				
Proposal element	Location / description	Existing proposal extent, capacity or range	Proposed max extent, capacity or range	Maximum extent, capacity or range
Proposal time*	Maximum project life	2027 (Care and Maintenance)	Additional 5 years	2032
Construction phase	N/A	N/A	N/A	N/A
Operations phase	N/A	N/A	N/A	N/A
Decommissioning phase	N/A	N/A	N/A	N/A

* 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).

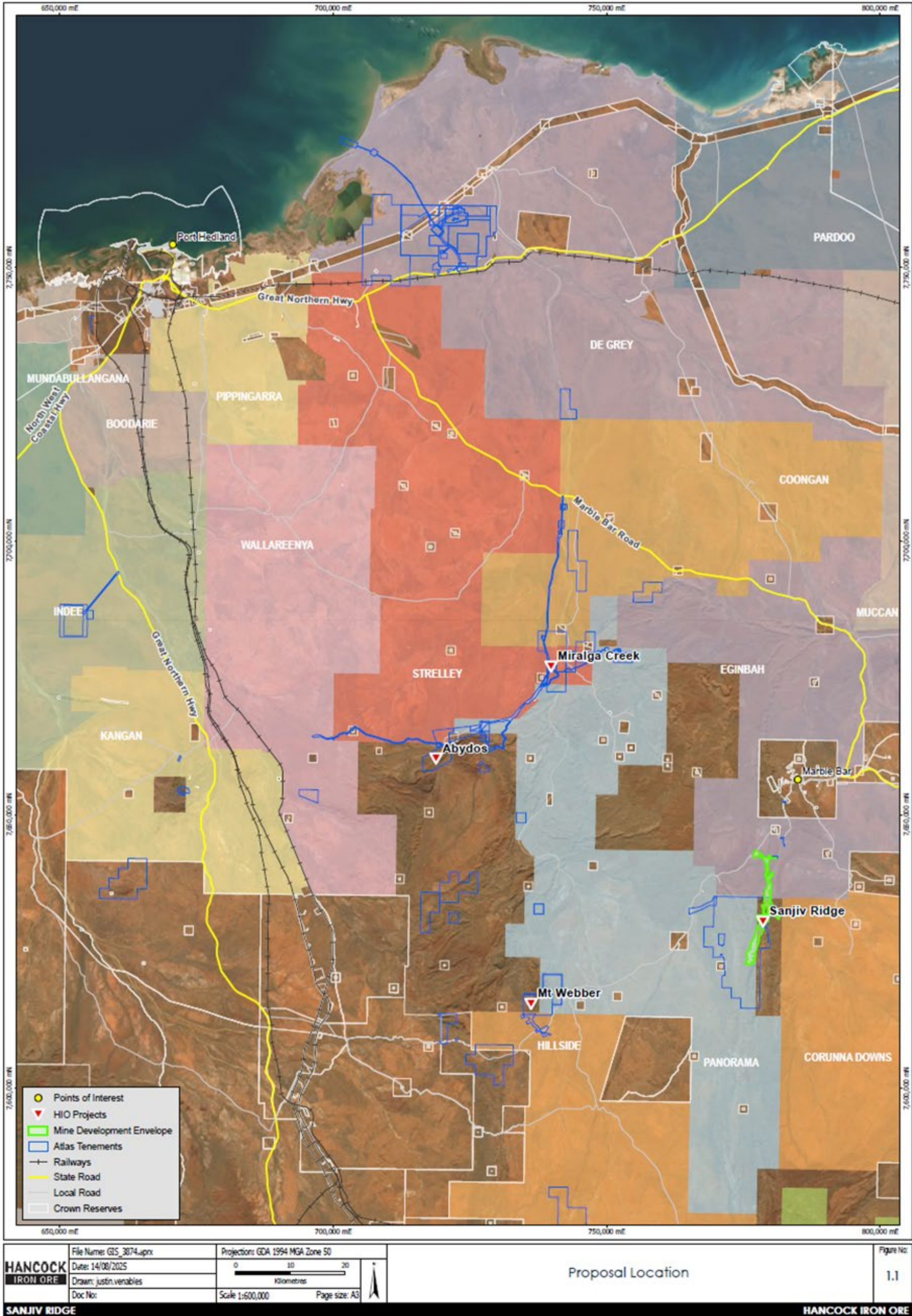
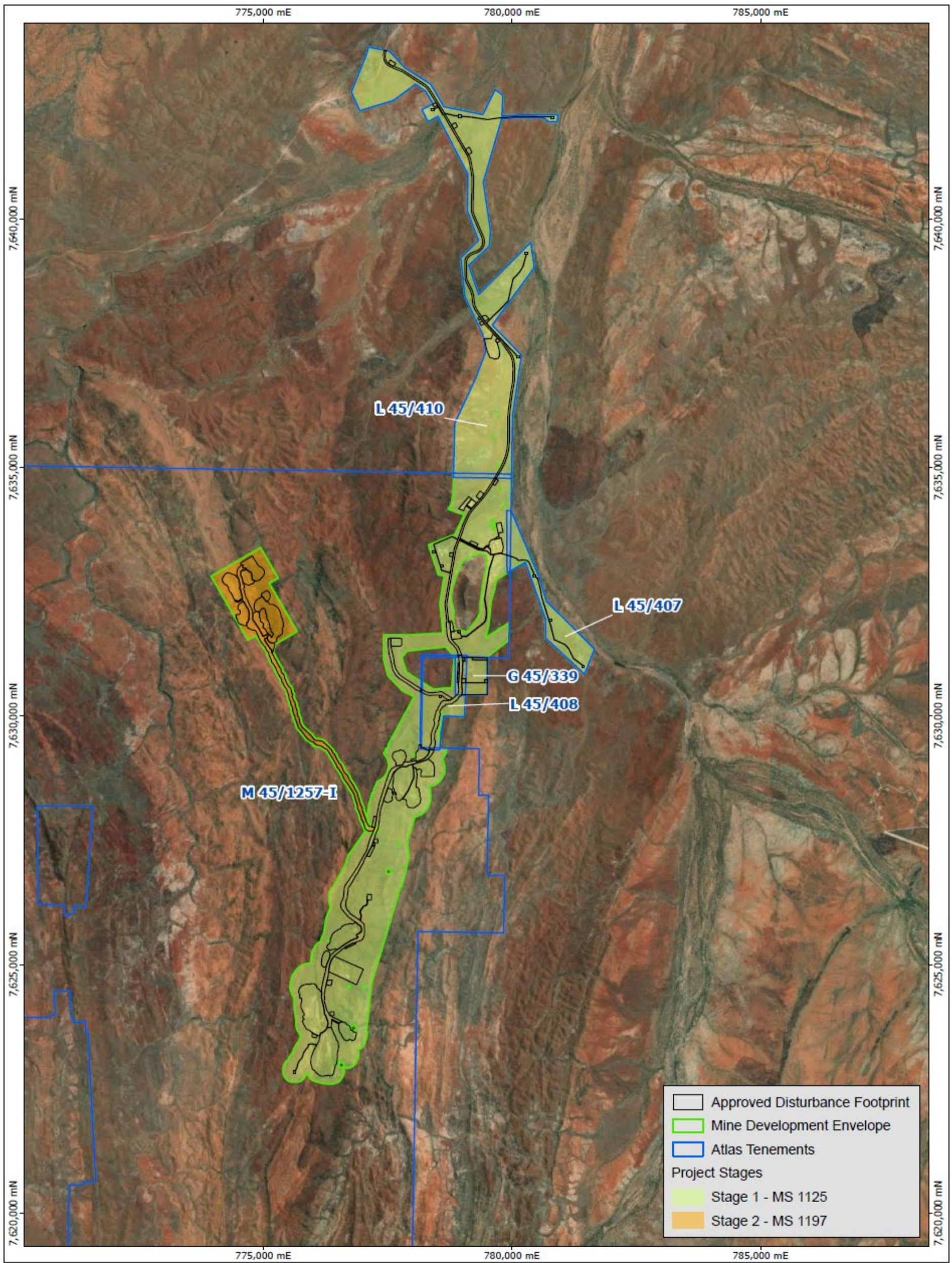


Figure 1-1: Proposal Location



HANCOCK IRON ORE	File Name: GIS_3874.aprx	Projection: GDA 1994 MGA Zone 50		Project Stages and Land Tenure	Figure No: 1.2
	Date: 2/09/2025				
	Drawn: sam.nikora	Scale 1:100,000 Page size: A4			
SANJIV RIDGE				HANCOCK IRON ORE	

Figure 1-2: Project Stages and Land Tenure

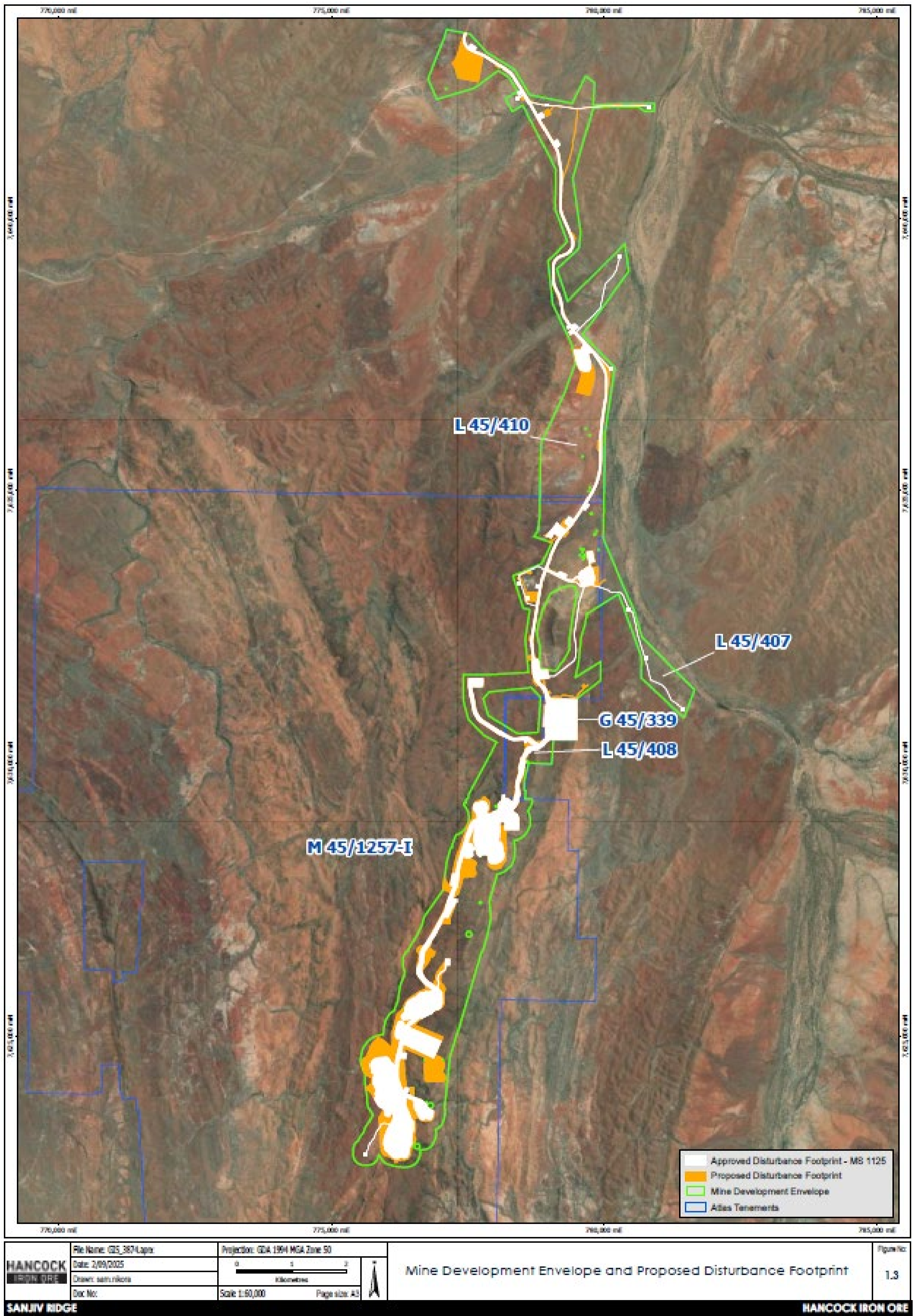


Figure 1-3: Mine Development Envelope and Proposed Disturbance Footprint

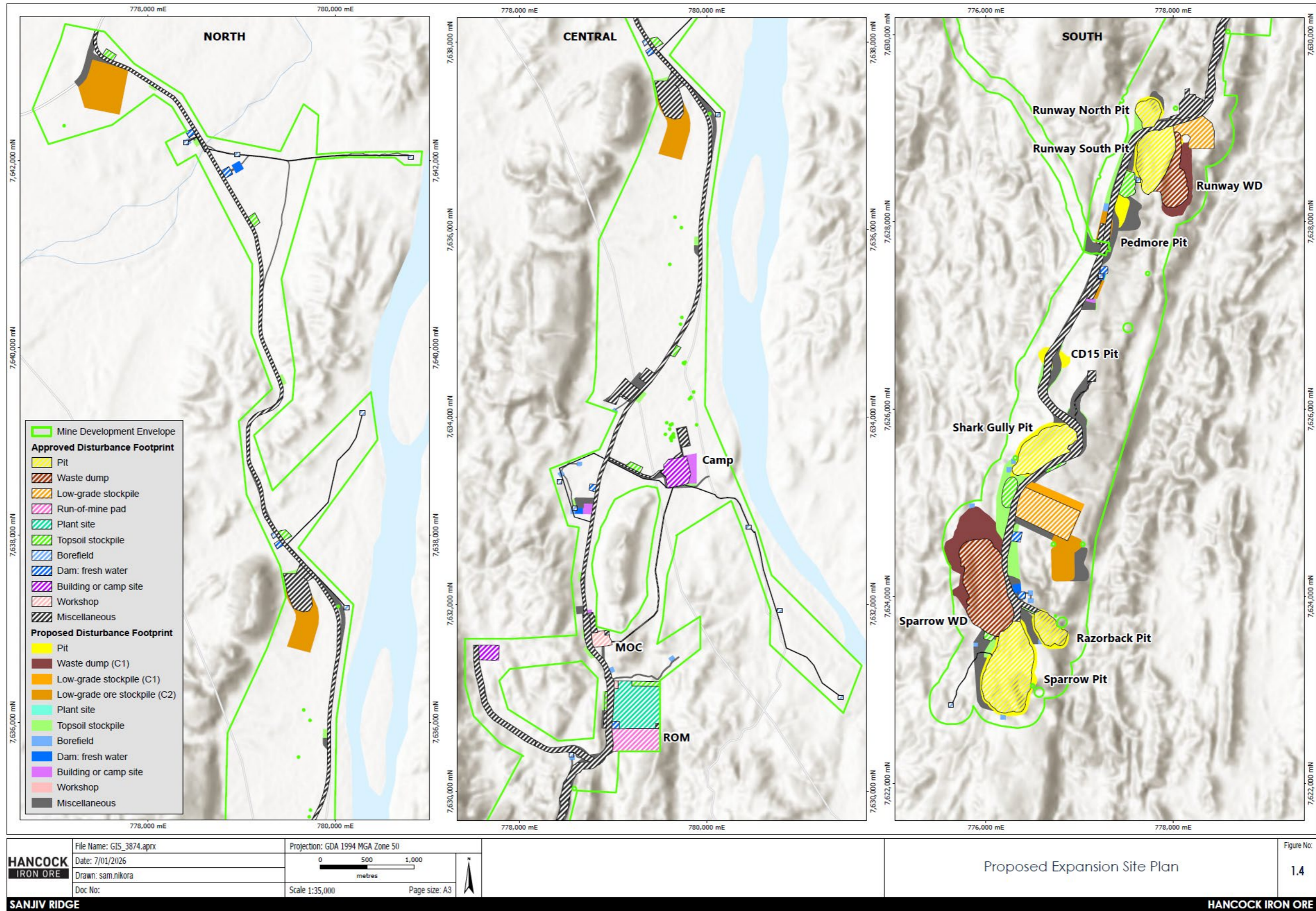


Figure 1-4: Proposed Expansion Site Plan