

Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Hope Downs 4 Iron Ore Mine
Proponent name	Hamersley HMS Pty Ltd
Short description	The proposal is to develop and operate four open pit iron ore mining zones and associated infrastructure at the Hope Downs 4 Iron Ore Project located approximately 30 km northwest of Newman within the Shire of East Pilbara.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Mine elements, including: • Open pits; • Haul roads; • Waste rock landforms; and • Topsoil stockpiles.	Figure 3	Development Envelope: 18,479 ha Clearing of up to: 5,650 ha
Processing elements, including: • Ore stockpiles; • Crushing plant; • Processing plant; • Tailings storage facility; and • Evaporation pond.		
Infrastructure elements, including: • Accommodation; • Supporting infrastructure; and • Ancillary buildings.		
Construction elements		
N/A – Proposal is already an operation mine		
Operational elements		

Mining method	Open cut	
Dewatering Rate	- Up to 23GL/a (including 3GL/a of reticulation water) - Up to 140 m of drawdown to approximately 500 m relative to sea level (RSL)	
Discharge of Excess Water to HD1	Length of water pipeline: Up to 52 km	
Ore Processing	In-pit and out of pit tailings storage facilities	
Infrastructure Corridor	Length: Up to 52 km	
Discharge of Excess Water to Kalgan Creek	Discharge location: Approximately 16 km east of the mining area, downstream of Kalgan Pool The maximum footprint of creek bed saturation shall not: - Exceed 29 km from point of discharge; and - Extend closer than 30 km from the Fortescue Marsh boundary - Length of water pipeline approximately 16 km	
Rehabilitation		
Where practicable, progressive rehabilitation will be undertaken over the life of the mine. 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		
Not applicable		
Decommissioning		
All infrastructure will be removed unless the ownership is transferred to an underlying third-party tenure owner. Dependent on future developments in the area some components such as sealed roads and rail may be retained.		
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	Maximum Project life: Approximately 35 years

** 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 - Hope Downs 4 Regional Location

Figure 1 Regional Location of Hope Downs 4 Iron Ore Mine

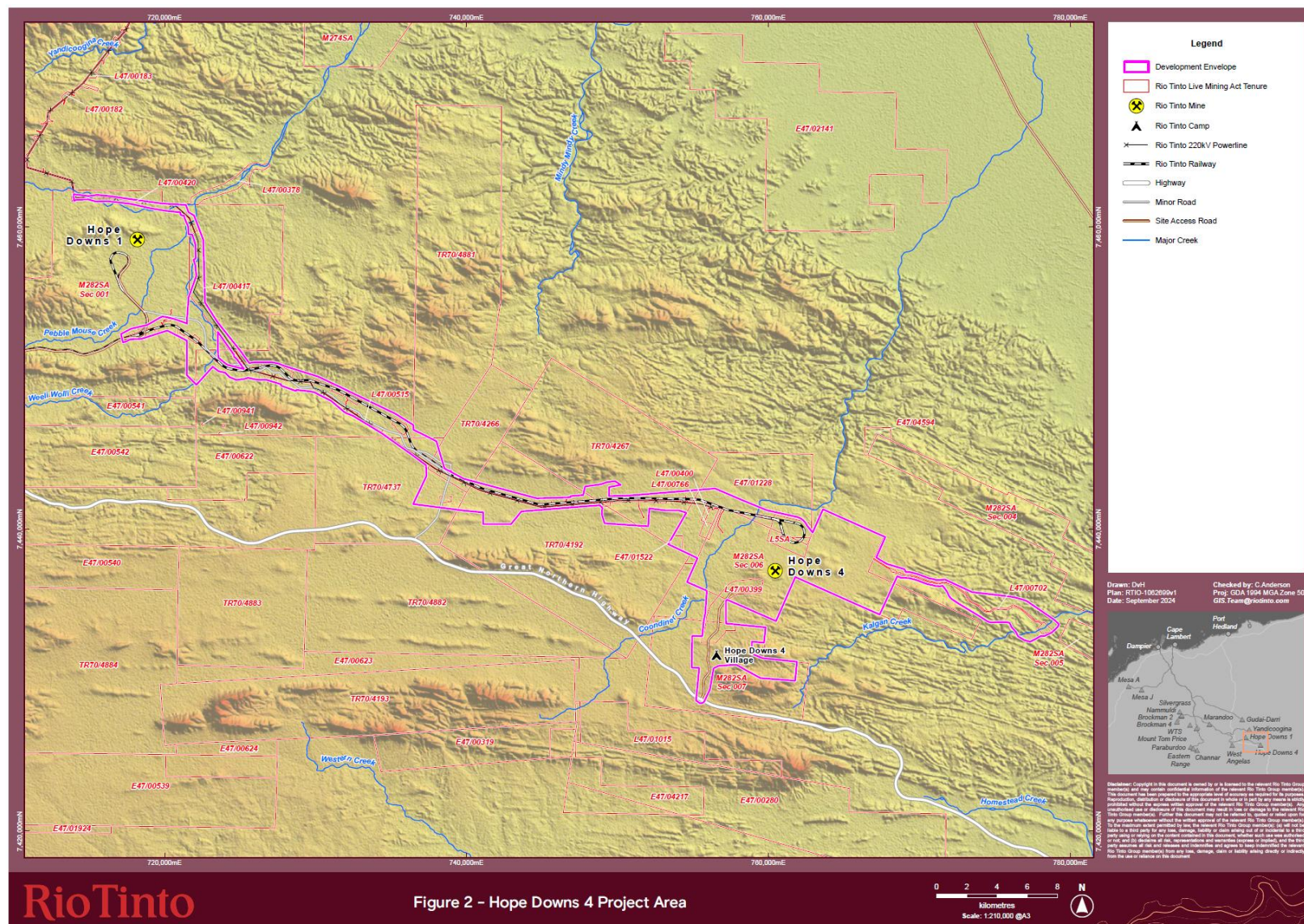


Figure 2 Hope Downs 4 Project Area

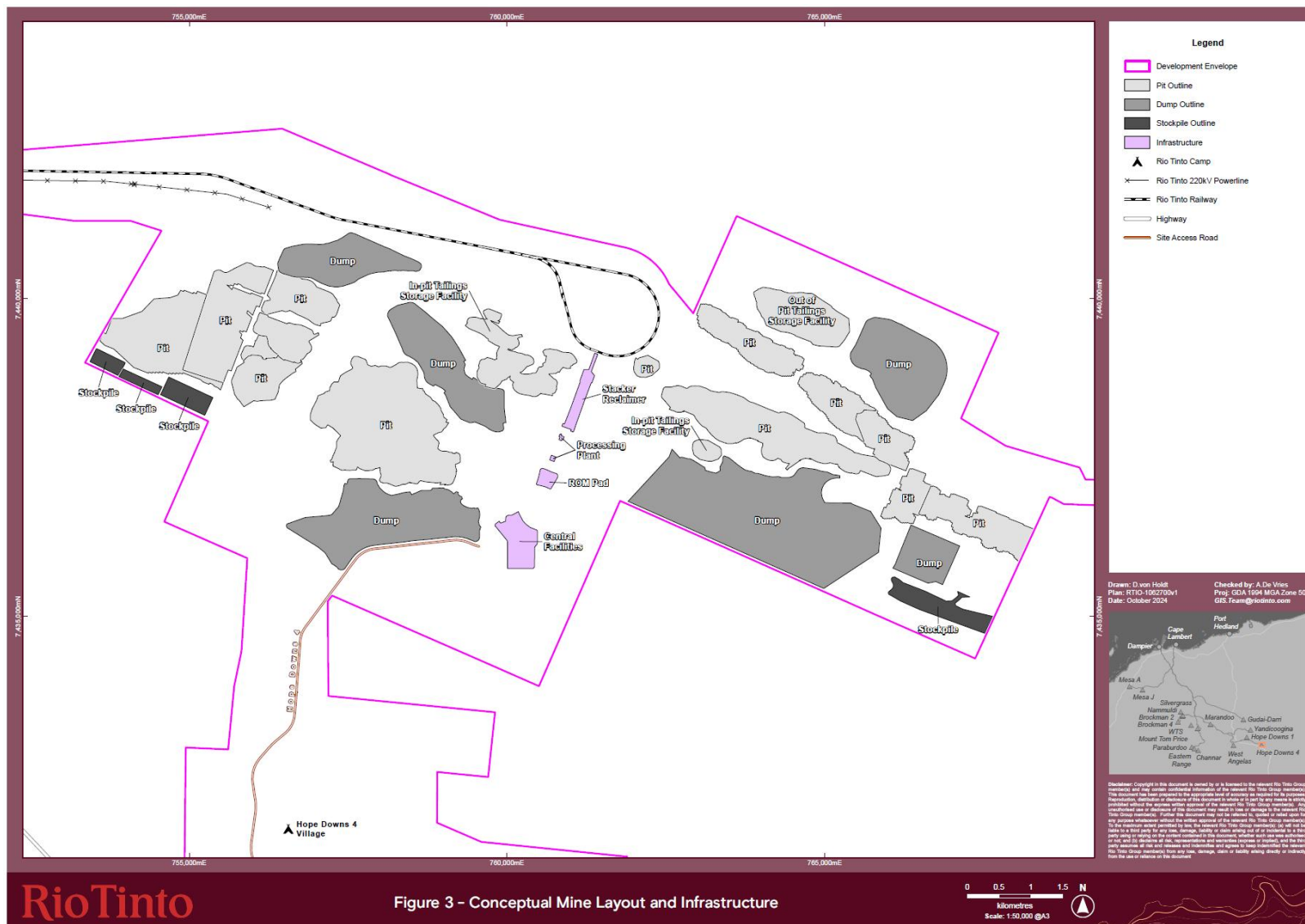


Figure 3 – Conceptual Mine Layout and Infrastructure

Figure 3 Conceptual Mine Layout and Associated Infrastructure

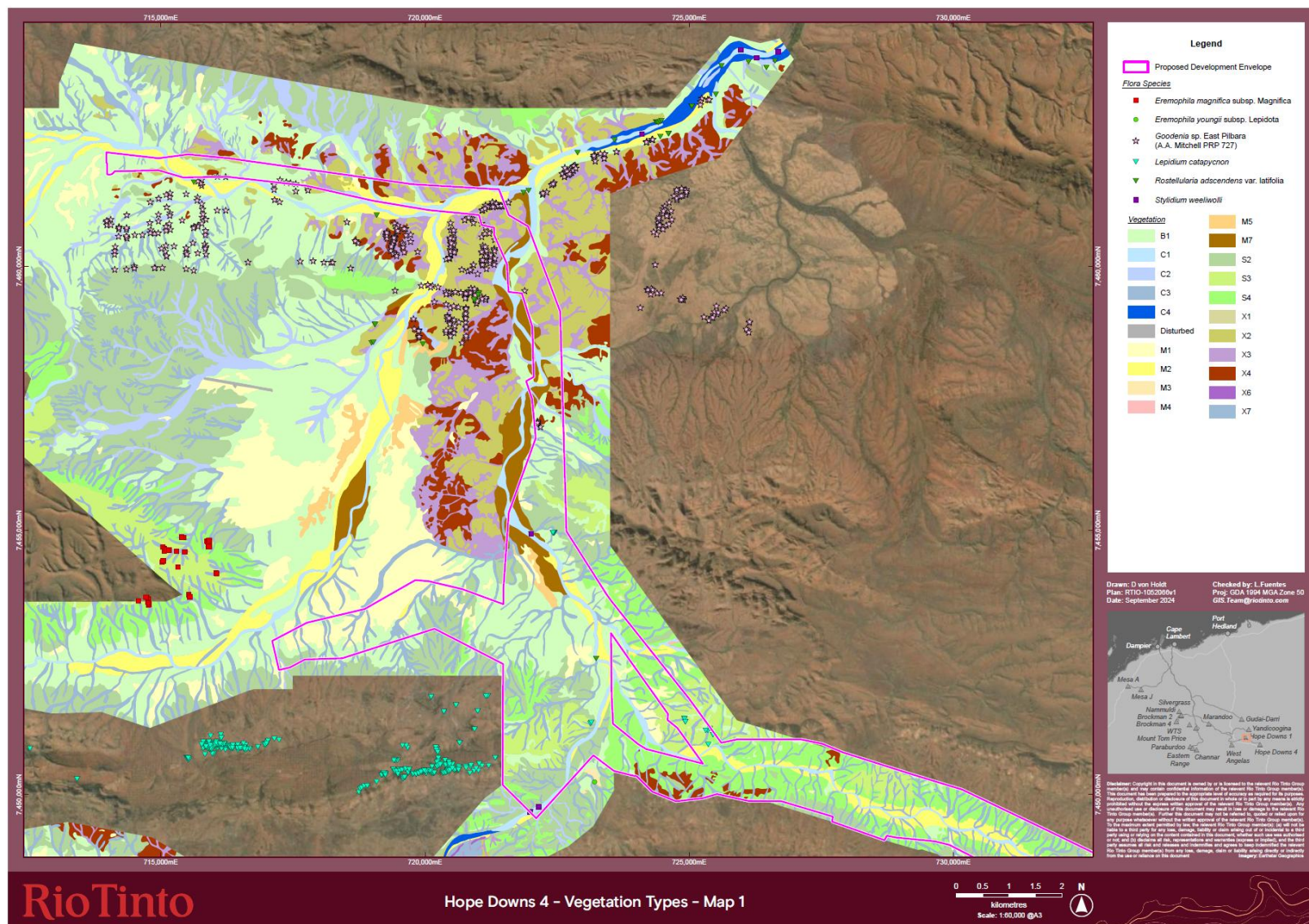


Figure 5 Vegetation Types – Map 1

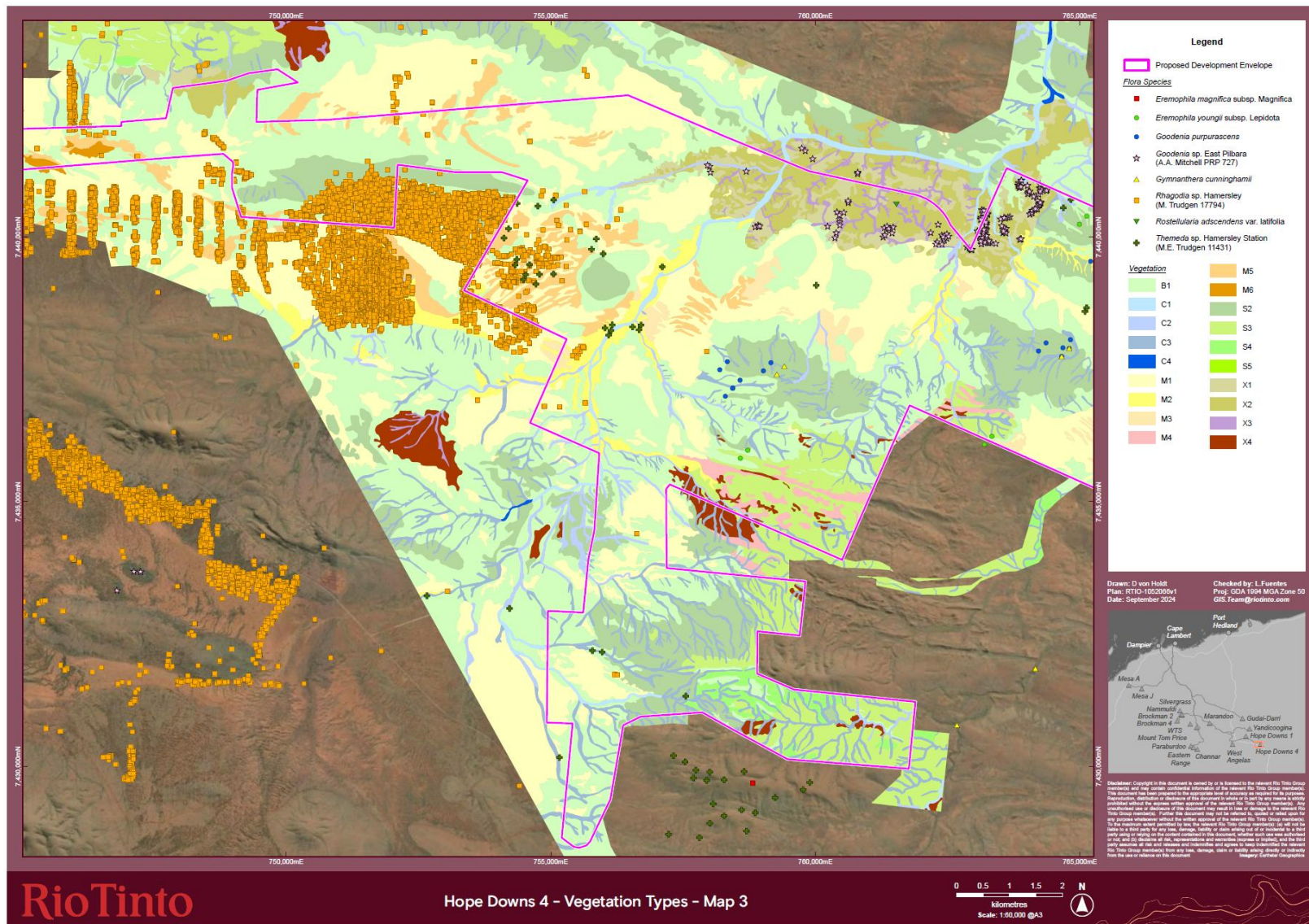


Figure 7 Vegetation Types – Map 3

