

Iluka Tutunup Mineral Sands Project

Proposal Content Document

Table 1: General proposal content description

Proposal title	Tutunup Mineral Sands Project
Proponent name	Iluka Resources Limited
Short description	<p>The proposal is to construct a Mineral Sands mine approximately 17 km east of Busselton.</p> <p>The proposal includes:</p> <ul style="list-style-type: none">• the development of above and below water table mine pits• ore processing plant• groundwater abstraction for water supply• mineral waste management (waste rock dumps and in-pit tailings storage facilities)• infrastructure to manage surface water (diversion drains and culverts etc.)• linear infrastructure (haul roads, pipeline corridors etc.)• ancillary infrastructure (workshops, offices, hydrocarbon storage areas, laydown area etc.). <p>The proposal is located within a 653 hectares (ha) development envelope and may require the clearing of up to 142 ha of native vegetation.</p>

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Mine elements, including: <ul style="list-style-type: none"> • Open pits • Haul roads • Waste stockpiles <ul style="list-style-type: none"> – adjacent to open pits • Topsoil stockpiles 	Figure 3	653 ha of disturbance, including up to 142 ha of native vegetation, within the 653 ha Development Envelope.
Processing elements, including: <ul style="list-style-type: none"> • Ore stockpiles • Crushing plant • Processing plant • Evaporation dam 		
Infrastructure elements, including: <ul style="list-style-type: none"> • Supporting infrastructure • Ancillary building 		
Operational elements		
Plant processing limit		Processing of ore to produce approximately 1.3 million tonnes over life of mine of heavy mineral concentrate
Groundwater abstraction for water supply		Abstraction of 4.02 gigalitres per annum (GL/a)
Proposal elements with greenhouse gas emissions		
Construction elements:		
Scope 1	Vegetation clearing over the life of mine: 68,800 tCO ₂ -e	
Operation elements:		
Scope 1	Mobile Plant and Equipment: 6,901 tCO ₂ -e per annum	
Scope 2	Electricity Use: 15,400 tCO ₂ -e per annum	
Rehabilitation		
Progressive rehabilitation undertaken over the life of the mine.		

Final closure and rehabilitation within nine years of cessation of operations		
Commissioning		
Commissioning of the processing facility to be undertaken subject to operational limits above.		
Decommissioning		
Removal of all process related infrastructure within two years of cessation of operations (excluding any periods of care and maintenance).		
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	10 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).*