

## Proposal Content Document

**Table 1: Summary of the Proposal**

Component	Referred Description	Proposed Amendment Description
<b>Proposal title</b>	Hope Downs 2 Proposal	No change
<b>Proponent name</b>	Hammersley HMS Pty Ltd	No change
<b>Short description</b>	<p>The Proposal is to develop and operate an above water table (AWT) iron ore mine and associated infrastructure approximately 80 km north-west of Newman in the Pilbara region of Western Australia. The Proposal is on the traditional lands of the Nyiyaparli, Ngarlawangga and Banjima people.</p> <p>The Proposal includes, but is not limited to the following:</p> <ul style="list-style-type: none"> <li>• Development and operation of AWT iron ore deposits: BHT and HD2.</li> <li>• Activities required to facilitate mining which may include, but are not limited to, the following: <ul style="list-style-type: none"> <li>• Mineral waste management infrastructure: includes waste rock landforms, landbridges, low grade ore dumps, and topsoil and sub-soil stockpiles.</li> <li>• New processing infrastructure: including dry processing facilities at HD2 and/or BHT deposits.</li> <li>• Support facilities: including workshops, hydrocarbon storage areas, ANFO facilities, laydown areas, turkeys nests, transfer pads and offices.</li> <li>• Linear infrastructure: including heavy and light vehicle access roads, railway crossing, conveyors, pipelines, power distribution network (including sub-stations), communications distribution network and associated communications infrastructure.</li> <li>• Realignment of approximately 6 km of the Great Northern Highway.</li> <li>• Infrastructure for surface water management: including Pebble Mouse Creek crossings, diversion drains, levees and culverts.</li> <li>• Infrastructure for water supply: including abstraction of groundwater and/ or use of surplus water from local sources and adjacent operations.</li> <li>• Accommodation: including installation of a new construction camp may be required to support the implementation of the HD2 Proposal.</li> </ul> </li> </ul>	<p>The Proposal is to develop and operate an above water table (AWT) iron ore mine and associated infrastructure approximately 80 km north-west of Newman in the Pilbara region of Western Australia. The Proposal is on the traditional lands of the Nyiyaparli, Ngarlawangga and Banjima people.</p> <p>The Hope Downs 2 Proposal (the Proposal) includes but is not limited to the following:</p> <ul style="list-style-type: none"> <li>• Development and operation of two AWT iron ore deposits: HD2 and BHT.</li> <li>• Mineral waste management infrastructure: including waste rock landforms, landbridges, low grade ore stockpiles, and topsoil and sub-soil stockpiles.</li> <li>• New processing infrastructure: including dry processing facilities at HD2 and/or BHT deposits.</li> <li>• Support facilities: including workshops, hydrocarbon storage areas, Ammonium Nitrate Fuel Oil (ANFO) facilities, laydown areas, turkey's nests, transfer pads and offices.</li> <li>• Linear infrastructure: including heavy and light vehicle access roads, railway crossing, conveyors, pipelines, power distribution network (including sub-stations), communications distribution network and associated communications infrastructure.</li> <li>• <b>Renewable energy: including renewable energy generation, energy storage, and associated ancillary infrastructure.</b></li> <li>• Realignment of <b>up to</b> 6 km of the Great Northern Highway.</li> <li>• Infrastructure for surface water management: including Pebble Mouse Creek crossings, diversion drains, levees and culverts.</li> <li>• Infrastructure for water supply: including abstraction of groundwater and/ or use of surplus water from local sources and adjacent operations.</li> <li>• Accommodation: including installation of an upgrade of existing accommodation and/or new construction camp.</li> </ul>

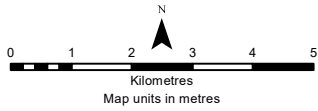
**Table 2: Proposal key characteristics**

Element	Location	HD2 Referred Proposal Extent	Proposed Amendment	HD2 Proposal Amendment Extent
<b>Physical Elements</b>				
Mine and associated infrastructure	Figure A-1	Clearing of up to approximately 4,700 ha within a Development Envelope of approximately 14,085 ha.	Reduction by 1,675.5 ha to the Development Envelope and increase in clearing by 200 ha.	Clearing of up to <b>4,900 ha</b> within a <b>12,409.5 ha</b> Development Envelope.
Mining Exclusion Zones	Figure A-1	-	Introduction of Mining Exclusion Zones <sup>1</sup> 1, 2 and 3	Mining Exclusion Zones <sup>1</sup> 1, 2 and 3.
<b>Operational Elements</b>				
Water supply		Abstraction of up to 3 GL per annum or use of surplus water from adjacent operations	No change from Referred Proposal	Abstraction of up to 3 GL per annum or use of surplus water from adjacent operations
<b>Proposal Elements with Greenhouse Gas Emissions</b>				
Scope 1 <sup>2</sup>	Diesel and land clearing – no more than 200,518 tonnes of carbon dioxide equivalent (tCO <sub>2</sub> -e) per annum			
Scope 2 <sup>2</sup>	Electricity generation – no more than 6,330 tCO <sub>2</sub> -e per annum			
Scope 3 <sup>3</sup>	382 Mt CO <sub>2</sub> -e			
<b>Rehabilitation and Closure</b>				
The key closure outcome of this Proposal will be a safe, stable and non-polluting landscape consistent with the post-mining land use and consider environmental and cultural heritage values.				
<b>Other Elements that affect extent of effects on environment</b>				
Proposal time	Maximum operational project life		Estimated 15 years	

<sup>1</sup> Mining Exclusion Zone (MEZ): Refers to an area within the Development Envelope where no mining excavation will occur, and only low impact activities associated with environmental and cultural heritage monitoring and management may be implemented. MEZ1 contains existing communications infrastructure that is to be maintained. No more than 5% of the total area covered by the MEZ can be cleared for low impact activities. There is to be no clearing of critical MNES habitat (Gorge/gully and Breakaway types), no impact to Ghost Bat caves and no clearing of P2 flora within MEZ.

<sup>2</sup> Predicted peak annual emissions include forecast existing operations and new activities associated with the Amended Proposal

<sup>3</sup> Attributable to this Proposal



Drawn: D von Holdt  
Plan: RTIO-0953108v2  
Date: December 2022

Proj: GDA 1994 MGA Zone 50  
Scale: 1:125,000 @ A4  
gis.team@riotinto.com

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