

Justification for Key Characteristics Table

Physical Elements

Element	Location	Existing Approval	Assessed Extent	Proposal Extent
Mine pits	Figures 2 and 3	<p>Ministerial Statement 712 Clearing of 166 ha for Pit 1 and 125 ha for Pit 3 within a Development Envelope of 1,258 ha.</p> <p>Ministerial Statement 834 Clearing of 320 ha for pit within a 2,290 ha Development Envelope.</p> <p>Ministerial Statement 1018 Clearing of 220 ha for pit within a 414 ha Development Envelope.</p>	Development Envelope (4,267 ha).	Clearing of up to 3,820 ha within a 4,267 ha Development Envelope.
Other disturbance (exploration and ancillary infrastructure)	Figures 2 and 3	<p>Ministerial Statement 712 Clearing of 509 ha within a 1,258 ha Development Envelope.</p> <p>Ministerial Statement 834 Clearing of 790 ha within a 2,290 ha Development Envelope.</p> <p>Ministerial Statement 1018 Clearing of 130 ha within a 414 ha Development Envelope.</p>		

Operational Elements

Element	Location	Existing Approval	Assessed Extent	Proposal Extent
Dewatering	Not applicable	<p>Ministerial Statement 712 Dewatering as per Department of Water licensing.</p> <p>Ministerial Statement 834 Above water table mining only; no dewatering.</p> <p>Ministerial Statement 1018 Above water table mining only; no dewatering.</p>	Licensed dewatering undertaken in accordance with Department of Water "Licence to Take Water" approvals. Current licence volume is 9.42 GL/a.	<p>No key characteristic proposed.</p> <p>Dewatering is managed under Department of Water "Licence to Take Water" approvals.</p>
Surplus water discharge	Ophthalmia Dam	<p>Ministerial Statement 712 Licensed discharge volume of 13.9 GL/a (combined amount from Orebody 25 and Orebody 23).</p> <p>Ministerial Statement 834 Above water table mining only; no discharge.</p> <p>Ministerial Statement 1018 Above water table mining only; no discharge.</p>	Discharge of up to 15 GL/a in accordance with the Eastern Pilbara Water Resource Management Plan.	<p>No key characteristic proposed.</p> <p>Discharge is managed under Part V Department of Environment Regulation licensing.</p>
Ore Processing	Not applicable	<p>Ministerial Statement 712 Not a key characteristic.</p> <p>Ministerial Statement 834 Up to 18 Mtpa.</p> <p>Ministerial Statement 1018 Not a key characteristic.</p>	Up to 45 Mtpa.	<p>No key characteristic proposed.</p> <p>Ore processing is managed under Part V Department of Environment Regulation licensing.</p>