

Cambridge Gulf Marine Sand Mining

Proposal Content Document

Table 1: General proposal content description

Proposal title	Boskalis Cambridge Gulf Marine Sand Proposal
Proponent name	Boskalis Australia Pty Ltd - ACN 099 738 333
Short description	Boskalis Australia Pty Ltd (BKA) is proposing to develop a marine sand sourcing operation in Cambridge Gulf (CG) near Wyndham in the northeast of Western Australia (WA) (Figure 1). The sand would be sourced using a Sand Production Vessel (SPV), based on the design of a large Trailer Suction Hopper Dredger (TSHD), and exported on the SPV to Asian markets for use in construction projects. The operation is proposed to occur within the Proposed Operational Area (POA), a reduced area within two exploration tenements in CG, E80/5655 (Block 4) and E80/6009 (Block 4A) (Figure 1). Operations will occur on a cyclical basis, with sand-loading occurring for one to two days every two weeks over the life of the proposal of up to 15 years. There will be zero operational activity in CG between sand-loading cycles (when the SPV will be sailing to/from the sand delivery port in Asia). There will be no construction and operation of marine, coastal or land-based facilities or infrastructure.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Proposed Operational Area (POA) (sand sourcing area)	Figure 1	Overall development envelope of 10,000 ha
Sand Production Vessel (SPV)		Length Overall (LoA): Up to 350 m. Draft: Up to 20 m. Drag-head width: 6 m. Sand capacity: Up to 125,000 m ³
Construction elements		
N/A		No constructed proposal elements.
Operational elements		
Terrestrial or land-based elements		The proposal does not involve the construction and operation of any shore-

		based facilities and does not involve the alteration of the coastline.
Sand-loading and manoeuvring within CG	Figure 1	Arrival / departure route: The SPV will enter and depart CG via West Entrance, using the designated shipping channel. Sand loading will only occur within the development envelope (Proposed Operational Area or POA) as shown in Figure 1. During each one- to two-day sand loading cycle, the SPV will work over an area of ~0.5 km², for a total of up to 52 days per year. Sand loading will occur during night and day time hours. Manoeuvring of the SPV may occur outside of the development envelope in all navigable parts of Cambridge Gulf.
Sand-loading and export		Total of up to 70 million m ³ over up to 15 years.
Minor support operations		Any support vessel (e.g. for environmental monitoring and shore-to-ship transfers) will be moored in the Port of Wyndham at a Kimberley Ports Authority approved mooring.
Proposal elements with greenhouse gas emissions		
Construction elements:		
N/A	Scope 1	
N/A	Scope 2	
N/A	Scope 3	
Operation elements:		
Vessel Operations	Scope 1 The GHG emissions while the vessel is operating in WA waters are calculated to be in the order of 13,000 metric tonnes/year of CO ₂ -e,	
	Scope 2 N/A	
	Scope 3 N/A	
Rehabilitation		

N/A		
Commissioning		
N/A		
Decommissioning		
N/A		
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	Up to 15 years
	Construction phase	N/A
	Operations phase	Up to two-days per fortnight for a total of up to 52 days per year, for up to 15 years.
	Decommissioning phase	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).*