



COMMONWEALTH OF AUSTRALIA

Section 312(14)

Offshore Petroleum and Greenhouse Gas Storage Act 2006

DECLARATION OF AN IDENTIFIED STORAGE FORMATION REINDEER

I, HON MADELEINE KING MP, the responsible Commonwealth Minister, hereby declare the following block to be an identified greenhouse gas storage formation.

INTERPRETATION

In this document, “the Act” means the *Offshore Petroleum and Greenhouse Gas Storage Act 2006*, and includes any Act with which that Act is incorporated, and words used in this document have the same meanings as in the Act.

DESCRIPTION OF BLOCKS

The reference hereunder is to the name of the map sheet of the 1:1,000,000 series prepared and established for the purposes of the Act and to numbers of the graticular sections shown thereon.

Storage Formation Name	Reindeer
Map Sheet	SF50 (Hamersley Range)
Block No.	0028

Assessed to contain one block (Map at **Attachment 1**)

ESTIMATE OF SPATIAL EXTENT

The estimated spatial extent for the Reindeer Storage Formation is within the block described in the Table above. The vertical spatial extent of the Reindeer Storage Formation is within the Upper and Middle Legendre Formation sealed by the Calypso Formation, Dingo Formation and Lower Muderong Shale and the M.australis Member sealed by the Upper Muderong Shale.

FUNDAMENTAL SUITABILITY DETERMINANTS

The fundamental suitability determinants of the Reindeer Formation are:

Subsection 21(8)(a)	The amount of GHG substance that is suitable to store	Maximum storage amount of 20 million tonnes (Mt)
Subsection 21(8)(b)	The GHG substance that is suitable to store	96 mol % - 99 mol% CO ₂
Subsection 21(8)(c)	The injection point or points	Reindeer-2, Reindeer-3, Reindeer-4
Subsection 21(8)(d)	The injection period	20 years
Subsection 21(8)(e)	If subsection 21(1)(b) is applicable, the engineering enhancements	Well re-entry of Reindeer-1 and Gnu-1 and placement of additional cement barriers.
Subsection 21(8)(f)	The effective sealing feature, attribute or mechanism of the storage formation that enables permanent storage	Four-way dip closure in structure evident from seismic and the presence of an existing hydrocarbon accumulation. The topseal has sufficient sealing capacity and is geographical extensive. The primary seal is approximately 550m thick and comprises the Calypso Formation, Dingo Formation and Lower Muderong Shale. The secondary seal is approximately 550m thick and comprises the Upper Muderong Shale.

Dated this 26th day of March 2026

Made under the *Offshore Petroleum and Greenhouse Gas Storage Act 2006*
of the Commonwealth of Australia

**HON MADELEINE KING MP
MINISTER FOR RESOURCES
MINISTER FOR NORTHERN AUSTRALIA**

Attachment 1

