COMMONWEALTH OF AUSTRALIA

Section 312
Offshore Petroleum and Greenhouse Gas Storage Act 2006

DECLARATION OF IDENTIFIED GREENHOUSE GAS STORAGE FORMATION

I, **HON MADELEINE KING MP,** the responsible Commonwealth Minister, hereby declare the following blocks 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 respective 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.

Formation Name	Calliance		
Map Sheet	SD51 (Brunswick Bay)		
Block Nos.			
2106	2107	2108	2178
2179	2180	2181	2250
2251	2252	2253	2322
2323	2324		

Assessed to contain 14 blocks (Map at **Attachment 1**).

ESTIMATE OF SPATIAL EXTENT

The estimated lateral spatial extent for the Calliance Storage Formation is within the blocks described in the Table above. The vertical spatial extent of the Calliance Storage Formation is between the J10.0 and K50.0 horizons. This encompasses the Plover and Lower Vulcan, in addition to the Upper Vulcan, Echuca Shoals and Jamieson formations.

DATE OF REGISTRATION
12/6/2024
5:45 AM /PM

GENERAL MANAGER, NOPTA
OFFSHORE PETROLEUM AND GREENHOUSE GAS STORAGE ACT 2006

FUNDAMENTAL SUITABILITY DETERMINANTS

The fundamental suitability determinants of Calliance formation are:

Subsection 21(8)(a)	The amount of GHG substance that is suitable to store	Maximum storage amount of 145 Mt
Subsection 21(8)(b)	The GHG substance that is suitable to store	97 mol% -100 mol% CO_2
Subsection 21(8)(c)	The injection point or points	Primary injection site: 3-5 injection wells approximately 3 km from each other and 10 km south of the Calliance field. Contingent injection site: 1 injection well located approximately 5 km northeast of Calliance-1.
Subsection 21(8)(d)	The injection period	31 years
Subsection 21(8)(e)	If subsection 21(1)(b) is applicable, the engineering enhancements	N/A
Subsection 21(8)(f)	The effective sealing feature, attribute or mechanism of the storage formation that enables permanent storage	Combination saline aquifer-structural trapping below the J50.0 to K50.0 deep-marine mudstone seal.

Dated this 10th day of June 2024

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