

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 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 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.

Storage Formation Name	Cliff Head
Map Sheet	SH50 (Perth)
Block No.	1235

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

ESTIMATE OF SPATIAL EXTENT

The estimated lateral spatial extent for the Cliff Head Storage Formation is within the block described in the Table above. The vertical spatial extent of the Cliff Head Storage Formation is in the Irwin River Coal Measures and High Cliff Sandstone formations, sealed by the Kockatea Shale.

DATE OF REGISTRATION

12/6/2024

4.30 PM



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

FUNDAMENTAL SUITABILITY DETERMINANTS

The fundamental suitability determinants of the Cliff Head Storage Formation are:

Subsection 21(8)(a)	The amount of GHG substance that is suitable to store	Maximum storage amount of 13.4 Mt
Subsection 21(8)(b)	The GHG substance that is suitable to store	>95% CO ₂
Subsection 21(8)(c)	The injection point or points	Single well approximately 3.2 km south of the Cliff Head production platform.
Subsection 21(8)(d)	The injection period	10-20 years.
Subsection 21(8)(e)	If subsection 21(1)(b) is applicable, the engineering enhancements	Plug and abandon of wells intersecting the Cliff Head Storage Formation. Management of reservoir pressure through ongoing water production.
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 Triassic Kockatea Shale 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

