

G-11-AP CCS Appraisal Drilling Environment Plan

Information overview

Santos provides this supplementary information for commercial fishers as part of regulatory consultation activities for the proposed G-11-AP Carbon Capture and Storage (CCS) appraisal well in the Bonaparte Basin.

Santos is seeking input from commercial fishers by **24 April 2024**. Details on consultation and providing input can be found on the back page of this fact sheet. Pre and post activity notifications are also available upon request.

A general fact sheet on proposed activities, including potential environmental impacts risks and associated management measures, can be found at santos.com/offshoreconsultation

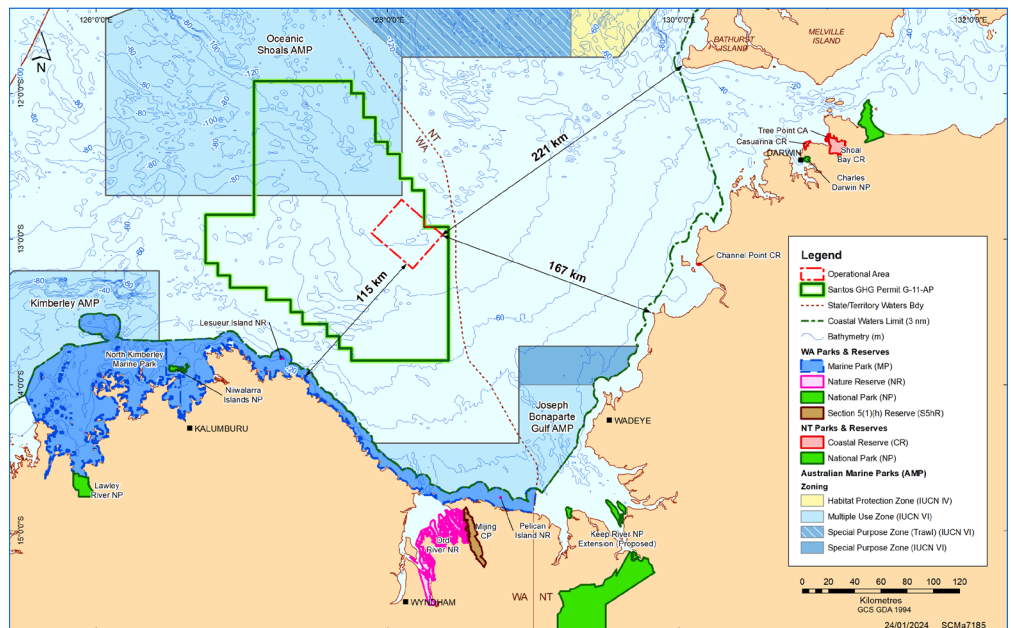


Figure 1. G-11-AP CCS Appraisal Drilling activity location

Activity details	
Proposed activity	Drilling of up to three wells in the Bonaparte Basin, commencing with the drilling of the Astraea-1 well. At the end of activity, all wells will be plugged and abandoned, all wellheads removed, and all anchors recovered.
Activity purpose	Identify subsea geological formations for the potential injection and storage of carbon dioxide (CO ₂), known as carbon capture and storage (CCS).
Operational Area location	Approximately 115 km from the nearest coastline and approximately 275 km west-southwest from Darwin, Northern Territory (see Figure 1).
Water depth	84 m to 109 m
Timing and duration*	<ul style="list-style-type: none"> Activities are scheduled to commence in 2025 subject to obtaining all regulatory and business approvals. Approximately 35 to 60 days of continuous operations for each well drilled.
Exclusion zone	Temporary Petroleum Safety Zone (PSZ) of 500 m radius from the MODU, centred at the rig's surface location for the duration of the activity.

* Timing and duration of proposed activities are subject to change based on rig availability, adverse weather conditions or technical/equipment issues that may arise during operations.

Commercial fishery implications

Santos has undertaken an assessment to define the environmental, social, economic and cultural aspects that may be affected by proposed activities. To do this we have considered the totality of the area where activity impacts and risks may occur.

The widest extent of this area is called the Environment that May Be Affected (EMBA), which for this activity is the outer boundary of a worst-case marine diesel spill resulting from the unlikely event of a vessel collision.

Table 1 provides an overview of those fisheries active in the Operational Area to determine potential for interaction with proposed activities. We have also assessed those fisheries that are entitled to fish in the EMBA. Operational Area coordinates can be found in **Table 2**.

Our fisheries assessment is based on publicly available government managed catch and effort data, our ongoing discussions with commercial fisheries representative organisations, and historic engagements for previous petroleum activities.

Table 1. Commercial fishery assessment

	Potential for interaction	Entitled to fish in the EMBA
Commonwealth fishery		
Northern Prawn Fishery	Yes	Yes
Western Tuna and Billfish Fishery	No	Yes
Southern Bluefin Tuna	No	Yes
Western Skipjack Tuna Fishery	No	Yes
Northern Territory Fishery		
Aquarium Fishery	No	Yes
Demersal Fishery	No	Yes
Development (Small Pelagic)	No	Yes
Offshore Net and Line Fishery	No	Yes
Spanish Mackerel Fishery	No	Yes
Western Australian Fishery		
Abalone Managed Fishery	No	Yes
Kimberley Crab Managed Fishery	No	Yes
Marine Aquarium Fish Managed Fishery	No	Yes
Mackerel Managed Fishery (Area 1)	Yes	Yes
Northern Demersal Scalefish Managed Fishery	Yes	Yes
Joint Authority Northern Shark Fishery	No	Yes
Pearl Oyster Managed Fishery (Zone 4)	No	Yes
Specimen Shell Managed Fishery	No	Yes
West Australian Sea Cucumber Fishery	No	Yes
West Coast Deep Sea Crustacean Managed Fishery	No	Yes
South-West Coast Salmon Fishery	No	Yes

Table 2. Operational Area coordinates

Latitude	Longitude
12° 51' 45.378" S	128° 15' 4.4208" E
12° 54' 54.8604" S	128° 15' 4.4028" E
12° 54' 54.8496" S	128° 18' 45.3420" E
12° 58' 11.9100" S	128° 22' 35.2812" E
13° 11' 59.1108" S	128° 10' 17.7888" E
12° 57' 26.3592" S	127° 53' 21.5016" E
12° 43' 40.1124" S	128° 05' 39.2964" E

Consultation

Consultation provides Santos with an opportunity to receive input from authorities, persons and organisations whose functions, interests or activities may be affected by the proposed activities.

This input helps us to refine or change the management measures we are planning to address potential activity impacts and risks.

Santos' objective for proposed activities is to reduce environmental impacts and risks to a level that is As Low As Reasonably Practicable (ALARP) and acceptable over the life of the activity.

Providing input

Santos is seeking input on proposed activities by **24 April 2024**.

The merits of relevant person feedback provided through the consultation process will be considered during EP development, with responses summarised and included in the EP submitted to NOPSEMA for assessment.

Please let us know if you would like your personal/organisational details or any part of your feedback to remain private and we will ensure this remains confidential to NOPSEMA.

More information about how community members can participate in environmental approvals for activities proposed in Commonwealth waters has been published in a **brochure** by NOPSEMA.

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