

Metocean and Geotechnical investigations

Upcoming activities

The Blue Mackerel project is continuing its environmental site studies by undertaking metocean and geotechnical investigations to collect essential data for engineering, environmental, and design assessments of a proposed offshore wind development.

For more information on these activities, click on this link:

www.bluemackerel.com.au/page/planning-and-investigations

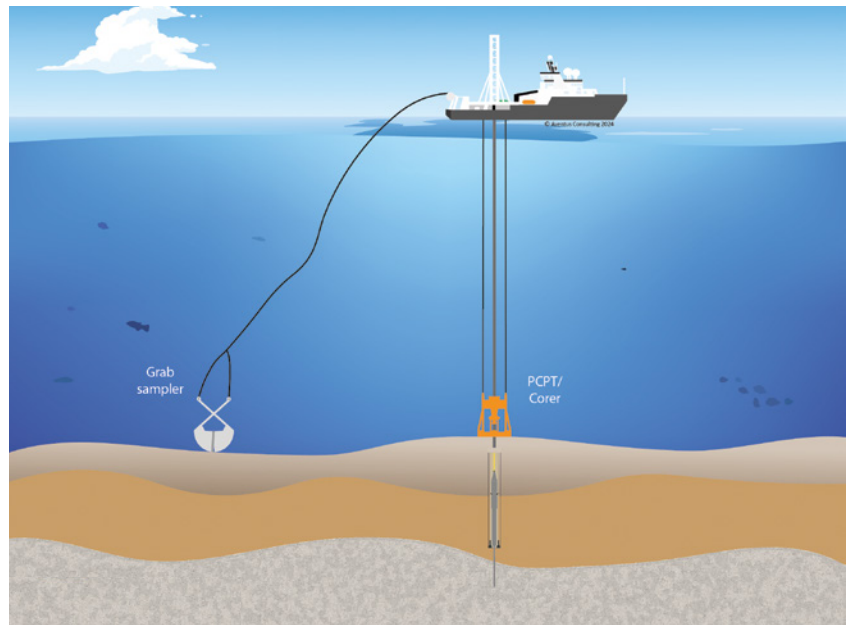


Illustration of geotechnical survey activities using an onboard drill and small grab grab sampler bucket to collect samples from the seabed. Image not to scale, for illustrative purposes only. Imagery courtesy of Aventus Consulting (2024)

Timings

From 1st March 2025, over three days, a Floating Light Detection and Ranging (FLiDAR) system will be towed from Port Anthony and anchored on location along with a separate wave buoy, where they will remain for up to three years.

From 10th March 2025, a Geotechnical survey vessel will depart Barry Beach and operate in the feasibility licence area for approximately 35 days.

Timings are subject to final regulatory approvals and weather conditions.



FLiDAR system – 4m x 4 m x 4m above sea level, keel 4.2m below the water line

We acknowledge the Gunaikurnai people, the Traditional Owners of the land and waters where the proposed Blue Mackerel offshore wind project will be located. We pay our respects to their Elders past and present.

We aspire to a genuine partnership with the Gunaikurnai people that delivers mutual benefit and enhanced stewardship of the environment for the benefit of present and future generations.

We acknowledge the rights and responsibilities of all First Nations peoples for their lands and waters where we operate.

Location coordinates

The investigations will be conducted within the project feasibility licence area of 163km² in Commonwealth waters, approximately 6 nautical miles off Ninety Mile Beach between Woodside Beach and Seaspray, Victoria. Activities will also be undertaken in state waters (under *Marine and Coastal Act 2018* consent). For specific locations on activity details, please refer to map.

Safe navigation

- Both vessels will have limited manoeuvrability during their activities. All marine traffic should maintain a safe distance of at least 500m.
- During geotechnical drilling, the vessel will use dynamic positioning and move between locations within the licence area.
- For up to three years the FLiDAR and wave buoy will remain in place – marine traffic should maintain a safe distance from this equipment.
- Strict environmental controls will be in place, including onboard Marine Mammal Observers and passive acoustic monitors to detect marine mammals.
- A Notice to Mariners has been issued for marine users.



Fugro Mariner – (LOA) 76m, width 20m

Fugro Mariner

Call Sign: **C6DS9**

Channel **12** and **14**

Contact Number: **+65 6340 1468**



*Leaders Creek - (LOA)
21.4 m, width 7.37m*

Leaders Creek (Polaris Marine)

Call Sign: **VJN2687**

Contact Number: **+61 2 9563 8333**

Get in touch with Blue Mackerel

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More information

Blue Mackerel is one of Australia's first offshore wind projects, situated off Brataualung and Tatungalung Country, in Gippsland, about 10km from Seaspray, Victoria.

Detailed project information is available on our website. All activities are subject to weather conditions and regulatory approvals. Records of stakeholder engagement will be maintained in accordance with regulatory requirements.

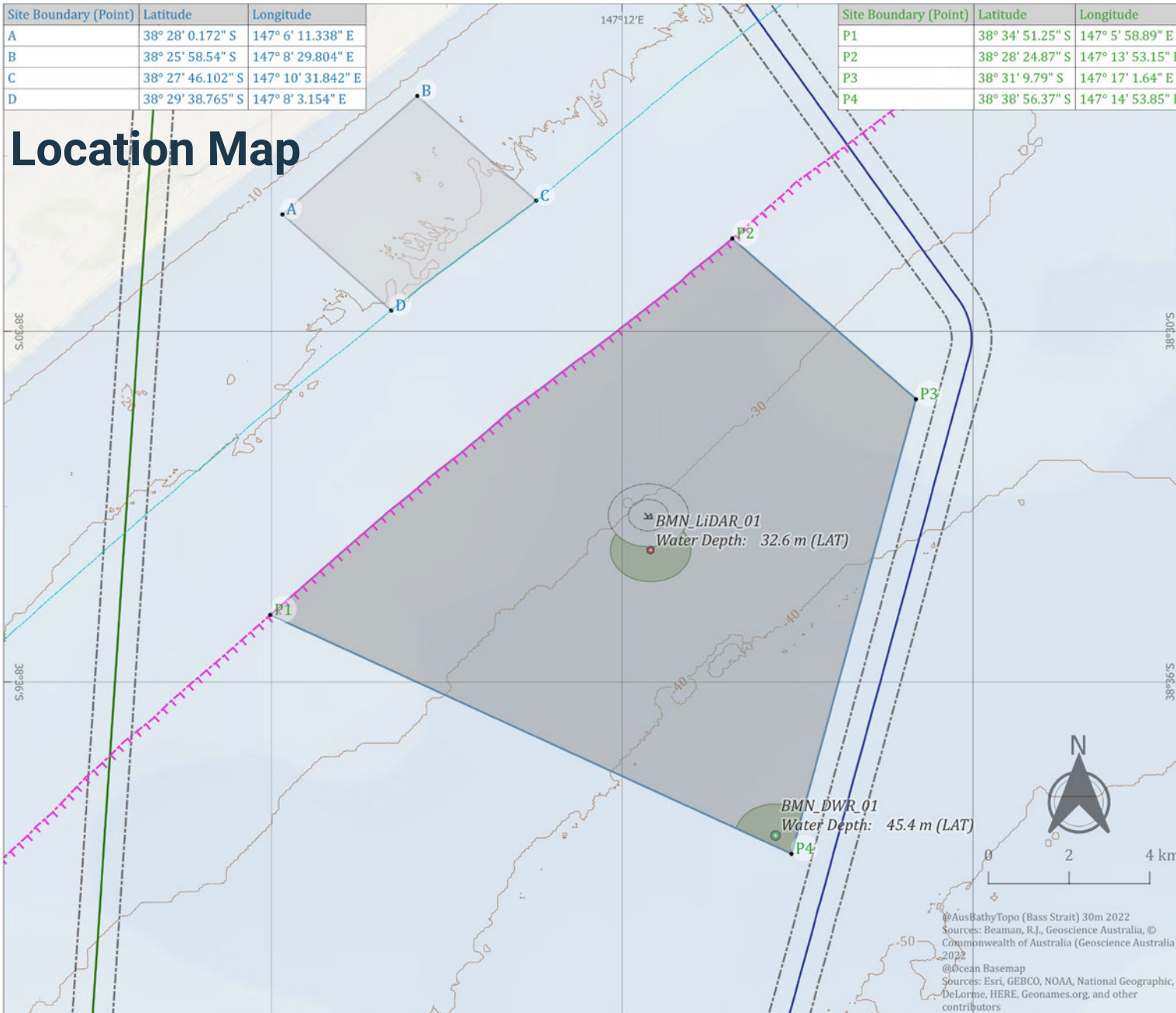


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www.bluemackerel.com.au

Site Boundary (Point)	Latitude	Longitude
A	38° 28' 0.172" S	147° 6' 11.338" E
B	38° 25' 58.54" S	147° 8' 29.804" E
C	38° 27' 46.102" S	147° 10' 31.842" E
D	38° 29' 38.765" S	147° 8' 3.154" E

Location Map



ID	WGS84/ DD.DDDDDDD_X	WGS84/ DD.DDDDDDD_Y	WGS84/ DD MM SS.SSS_X°	WGS84/ DD MM SS.SSS_Y°	GDA2020/Zone 55_X	GDA2020/Zone 55_Y	Water Depth m (LAT)
BMN_DWR_01	147.243717	-38.643794	147° 14' 37.381"	-38° 38' 37.658"	521209.7784194644	5722724.041429377	45.4
BMN_LiDAR_01	147.208127	-38.562422	147° 12' 29.257"	-38° 33' 44.719"	518133.0458746426	5731761.005014471	32.6

Site Boundary (Point)	Latitude	Longitude
P1	38° 34' 51.25" S	147° 5' 58.89" E
P2	38° 28' 24.87" S	147° 13' 53.15" E
P3	38° 31' 9.79" S	147° 17' 1.64" E
P4	38° 38' 56.37" S	147° 14' 53.85" E



- Directional Waverider*
- LiDAR*
- Shipwreck [500m & 1000m Buffer]
- Preferred Area of Deployment
- Potential Placement Area for the LiDAR
- Borehole Positioning Zone
- BMN Feasibility Licence Area
- Declared Area OEI-01-2022
- State Water Boundary
- Electricity Line
- Pipeline

* Footprint of the LiDAR and DWR

LiDAR:
Excursion: 176m (radius)
Excursion: 352m (diameter)
Excursion: 0.097km²

DWR:
Excursion: 140m (radius)
Excursion: 280m (diameter)
Excursion: 0.062km²

Total footprint:
0.097 (LiDAR) + 0.062 (DWR) = 0.159km²

As a percentage of the overall site:
Site Area= 163km²
DWR+LiDAR footprint= 0.159km²
DWR+LiDAR equates to 0.0975% of the site.

0.1	050	29/01/2025	IKE	HGI		Draft
Ver.	Status	Ver. date	Iss.	Rev.	App.	Description

PROJECT: Blue Mackerel

SUBJECT: LiDAR Location

Doc. name: BMN-07-0001-LiDAR_&_DWR_Footprint_A3_01-050

Blue MACKEREL

ISSUED BY: IKE	REVIEWER: AGI	APPROVAL:
INITIAL DATE: 29/01/2025	Format-Scale: A3 - 1:70000	Projection: WGS 84