

Figure 5. Track of *Aurora Australis* (yellow solid line) and approximate position of trawl gear (green dotted line).

Data Repository Australian Antarctic Data Centre

Other Comments

**Appendix 2: CEAMARC 79-81 VME Notification
Vulnerable Marine Ecosystem Notification**

Name of Site: CEAMARC 79-81 **Date of Submission** 6-Jul-2008
Submitting Organization: Australian Antarctic Division
Review Body **Date of Review**

Type of VME:

<i>Habitat-forming organisms</i>	<i>Presence</i>	<i>Identified Taxa</i>
Large/erect sponges	<input checked="" type="checkbox"/>	
Small/low sponges	<input type="checkbox"/>	
Stalked crinoids	<input type="checkbox"/>	
Gorgonians	<input checked="" type="checkbox"/>	
Seaweeds	<input type="checkbox"/>	
Seapens	<input type="checkbox"/>	
Hydrocoral (stylasterinid)	<input checked="" type="checkbox"/>	Errina sp.
Black coral (antipatharian)	<input type="checkbox"/>	
Hard coral (scleractinian)	<input type="checkbox"/>	
Low encrusting (bryozoans, ascidians)	<input type="checkbox"/>	
Erect bryozoan	<input checked="" type="checkbox"/>	
Tubeworms	<input type="checkbox"/>	
Bivalve bed	<input type="checkbox"/>	
Brachiopod bed	<input type="checkbox"/>	
Bioturbators	<input type="checkbox"/>	
Other (please state): 	<input type="checkbox"/>	

<i>Substratum</i>	<i>Presence</i>	<i>Geomorphology</i>	<i>Presence</i>
Mud (<0.1 mm)	<input type="checkbox"/>	Unrippled/flat	<input type="checkbox"/>
Fine sediments (0.1-1 mm)	<input type="checkbox"/>	Current rippled/directed scour	<input type="checkbox"/>
Coarse sediments (1-4 mm)	<input type="checkbox"/>	Wave rippled	<input type="checkbox"/>
Gravel/pebble (4-60 mm)	<input type="checkbox"/>	Irregular	<input type="checkbox"/>
Cobble/boulder/slab (60 mm-3 m)	<input checked="" type="checkbox"/>	Debris flow/rubble banks	<input type="checkbox"/>
Igneous metamorphic rock (>3 m)	<input type="checkbox"/>	Subcrop	<input type="checkbox"/>
Sedimentary rock (>3 m)	<input type="checkbox"/>	Low outcrop (<1 m)	<input checked="" type="checkbox"/>
Biogenic	<input checked="" type="checkbox"/>	High outcrop (>1 m)	<input type="checkbox"/>

Associated with seamount	<input type="checkbox"/>	Associated with canyon system	<input checked="" type="checkbox"/>
Associated with hydrothermal vent	<input type="checkbox"/>	Other association (please state):	<input checked="" type="checkbox"/>
Associated with cold seep	<input type="checkbox"/>	Antarctic bottom water	

Evidence:

When was evidence collected?

How was evidence collected? Vessel Cruise

Sampling gear

Other comments

Type of evidence

Visual presence of VME (video, photographs, diver observation)	<input checked="" type="checkbox"/>
Acoustic presence of VME	<input type="checkbox"/>
Presence of VME-forming organisms	<input checked="" type="checkbox"/>
Which organisms? <input type="text" value="stylasterinid coral"/>	
Collection method <input type="text" value="trawl"/>	
Presence of surrogate e.g. VME-associated organisms	<input type="checkbox"/>
Which organisms? <input type="text"/>	
Collection method <input type="text"/>	
Presence of habitat feature	<input type="checkbox"/>
Which habitat feature? <input type="text"/>	
Other (please state): <input type="text"/>	<input type="checkbox"/>

Attach photographic evidence if available:

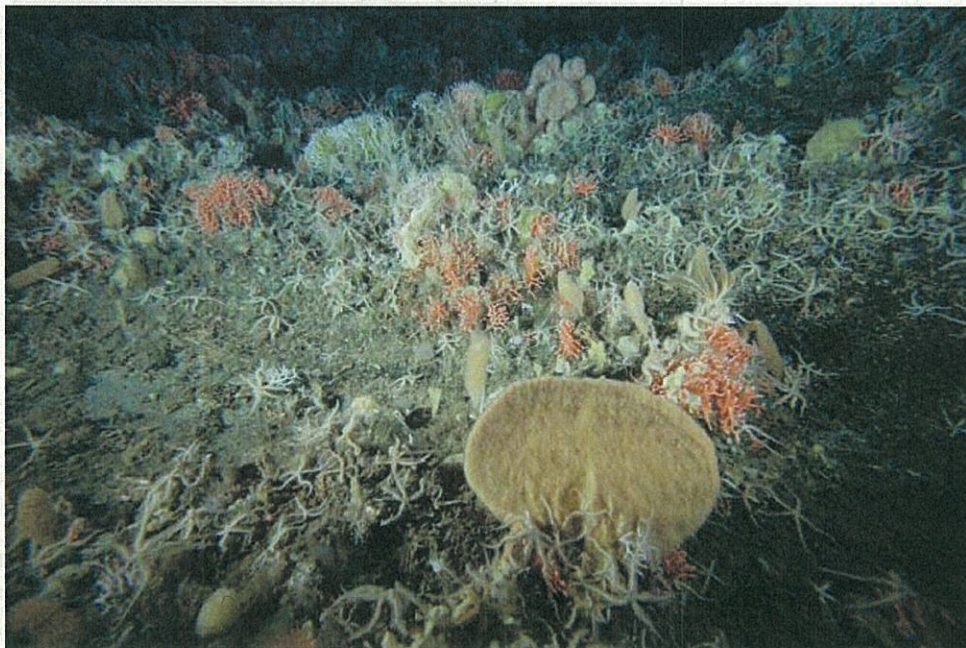


Figure 6. Digital photograph from CEAMARC Station 79-81, 17 Jan 2008. Hydrocorals and sponges.

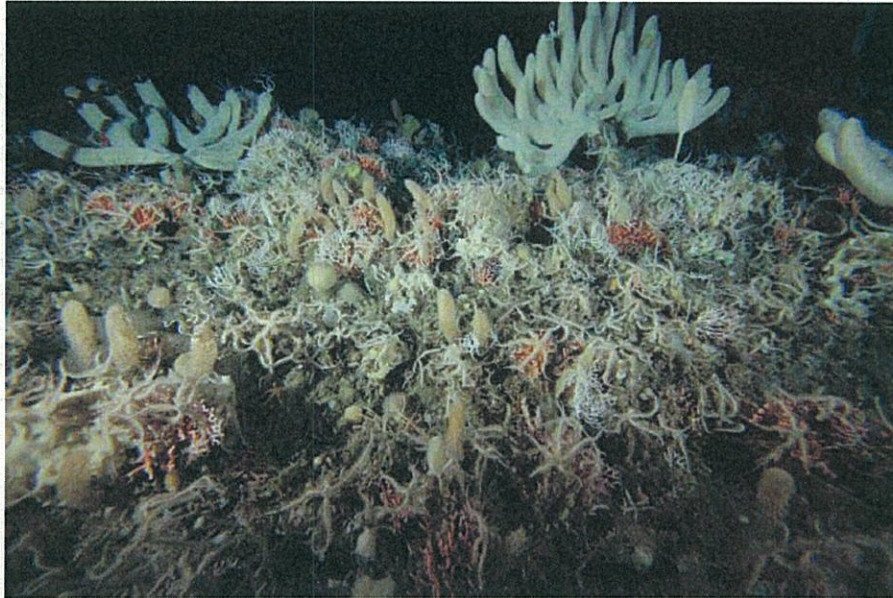


Figure 7. Digital photograph from CEAMARC Station 79-81, 17 Jan 2008. Hydrocorals, sponges and sea pens.



Figure 8. Digital photograph from CEAMARC Station 79-81, 17 Jan 2008. Extensive hydrocorals and some sponges.

Location of Observations

Position	Latitude (°S)	Longitude (+°E, -°W)	Precision	Depth (m)	Precision (m)
1 Start of trawl	65.706372	140.593527		436	
2 End of trawl	65.61407	140.33654		844	
3					
4					
5					
6					
7					
8					

Map of Location of Observations

Map Datum WGS84

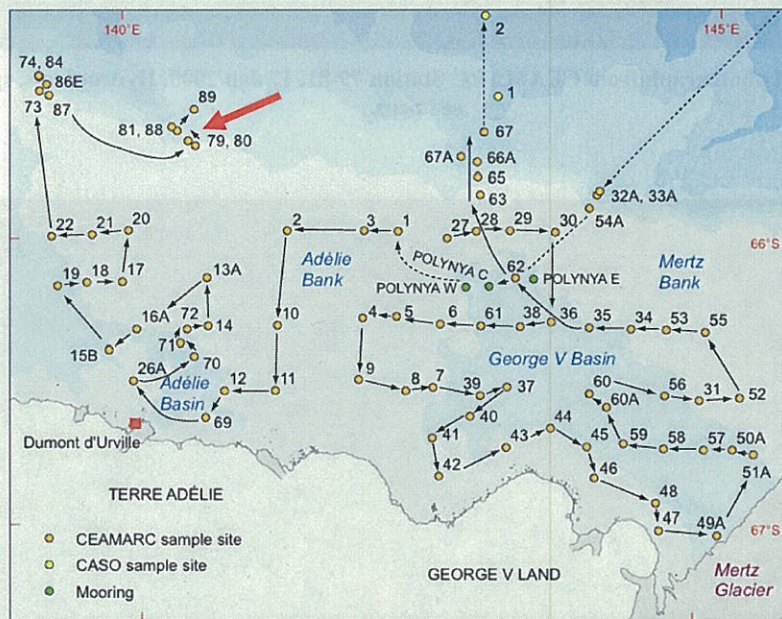


Figure 9. Map of CEAMARC-CASO cruise indicating Stations 79-81.

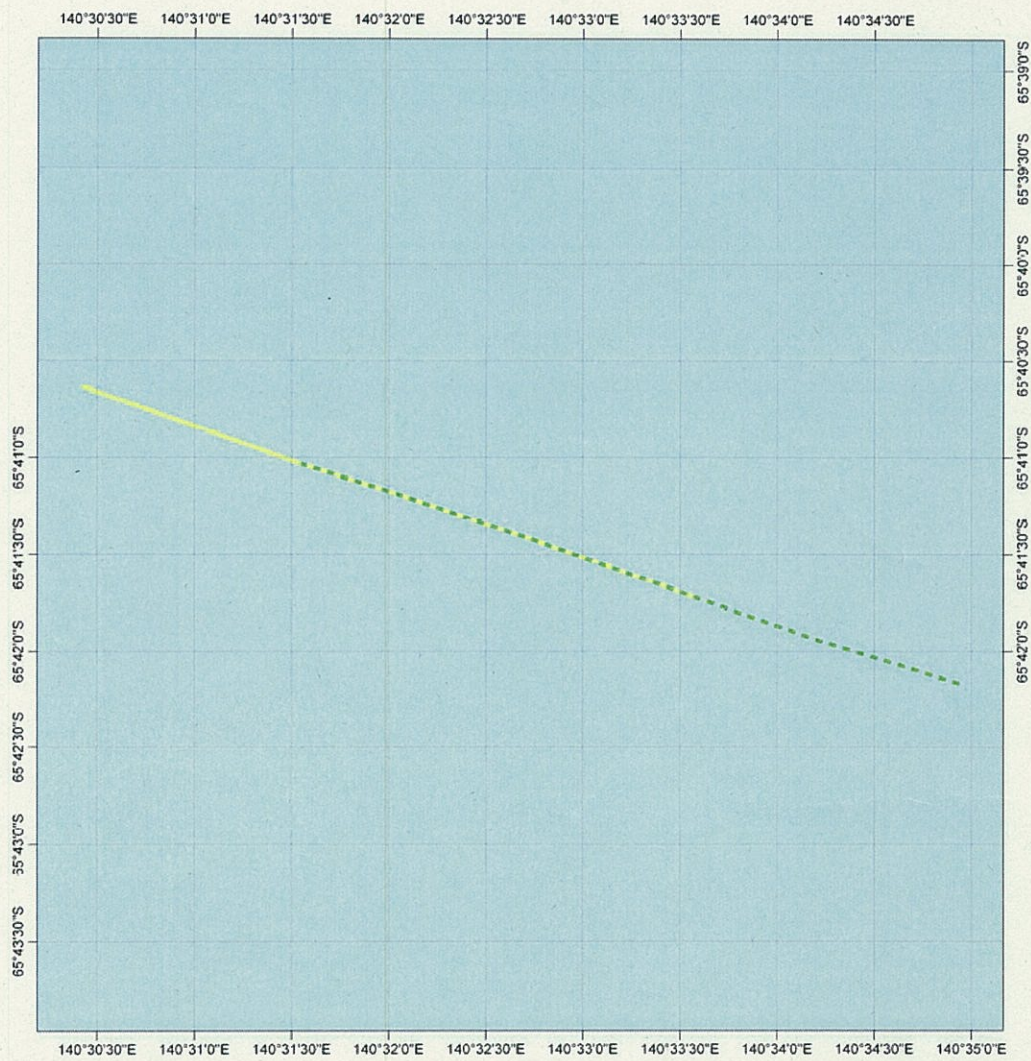


Figure 10. Track of Aurora Australis (yellow solid line) and approximate position of trawl gear (green dotted line).

Data Repository

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Other Comments