

## Victorian Marine Protected Area Habitat Mapping Project Partners.

This project could not have proceeded without many partners bringing complementary skills. The following organisations are contributing to mapping the Victorian near-shore environments:

Coastal Zone Cooperative Research Centre (CRC), Parks Victoria, Fugro Survey Pty Ltd, University of Western Australia, Deakin University, Tasmanian Aquaculture & Fisheries Institute, Australian Maritime College, Victorian Partnership for Advanced Computing and the National Tidal Centre.

### Contact Information

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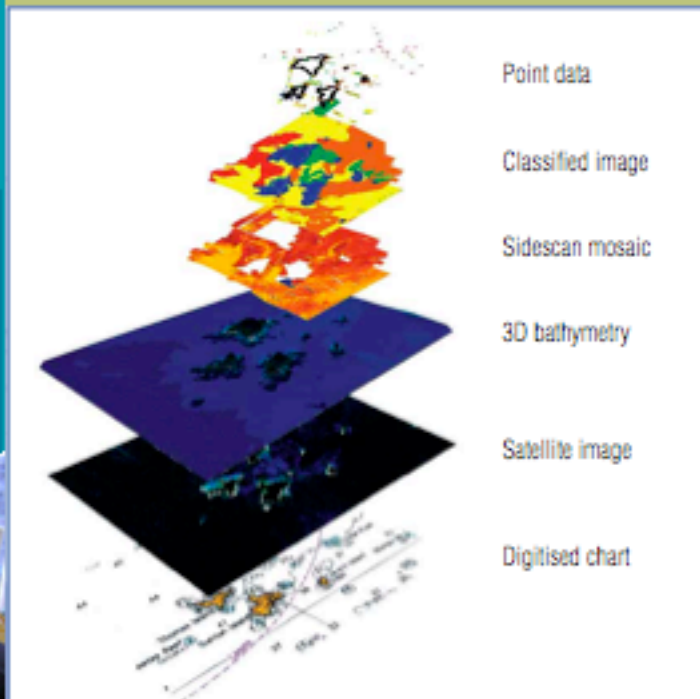
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Left: Hydrographical surveyors acquiring bathymetrical data in Point Addis Marine National Park

### Project Facts

- Six Marine National Parks.
- 20 000 ha of survey area.
- 300 hours of bathymetric survey.
- 350 kilometres of towed video survey.
- At least 120 hours of video.
- Nine organisations.
- Two survey ships and three video vessels.
- 85 people.
- 18 months duration (finishing late 2006).



Point data  
Classified image  
Sidescan mosaic  
3D bathymetry  
Satellite image  
Digitised chart

Left: An example of data integration; using and complementing existing information.

Source A. Bickers and K. Baxter



Right: Hydrographical surveyor processing sidescan data.

# Mapping the Deep

## Parks Victoria–Coastal CRC Marine Habitat Mapping Project

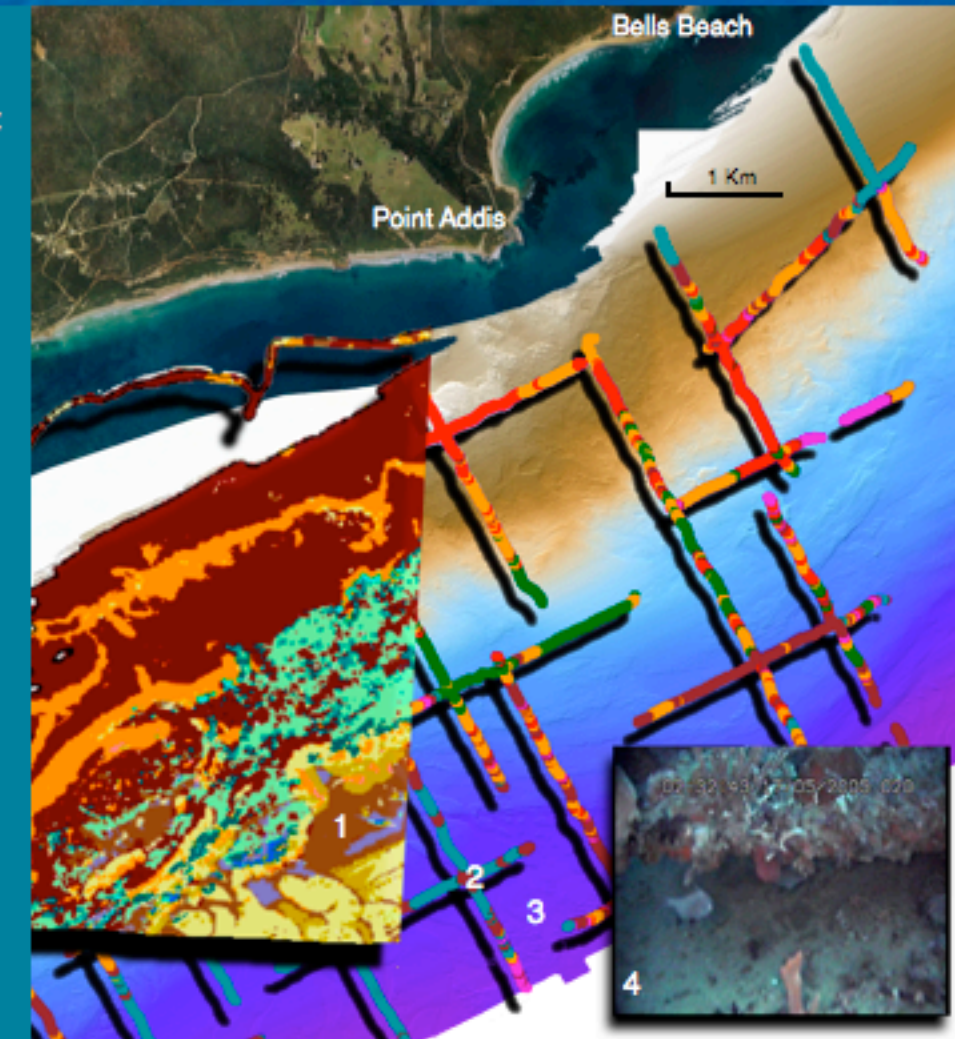
Parks Victoria and the CRC for Coastal Zone, Estuary and Waterway Management (Coastal CRC) have formed a partnership to map the marine habitats of six of the largest Marine National Parks in Victorian ocean waters.

The project employs the expertise of universities, government agencies and private enterprise to deliver a comprehensive and high quality survey of marine habitats within the Victorian Marine National Parks.

Mapping involves precision multi-beam bathymetric surveys, followed by comprehensive towed video assessment. Survey accuracy is maintained by satellite sensors, vessel motion reference units and towed body transponders.

Habitats are identified using a combination of bathymetry, and classified video.

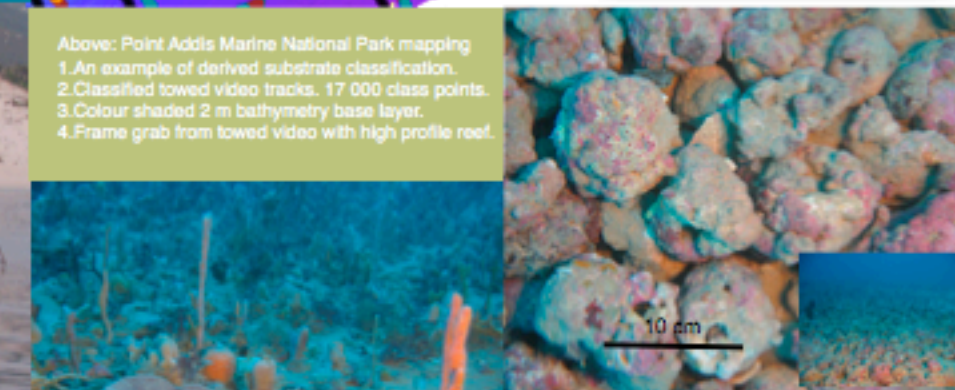
Information products will be used for management, educational and research purposes.



Above: Point Addis Marine National Park mapping  
1. An example of derived substrate classification.  
2. Classified towed video tracks. 17 000 class points.  
3. Colour shaded 2 m bathymetry base layer.  
4. Frame grab from towed video with high profile reef.



Above: Multibeam platform, FRV Challenger. Inset 8101 multibeam and USBL video position transponder



Above: Rhodolith bed and detail. Depth: 35m

Left: Complex sponge garden Depth: 45m