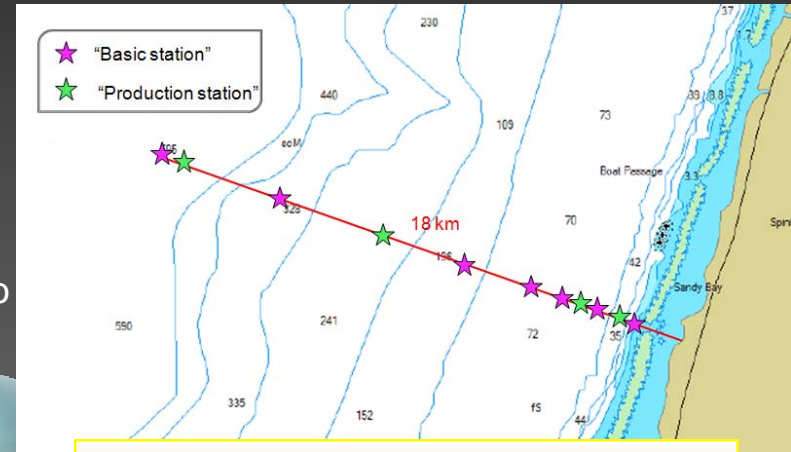


# CROSS-SHELF TRANSPORT AND LOSS PROCESSES OF PRIMARY PRODUCTION OFF WA: THE IMPACTS OF THE LEEUWIN CURRENT ON NINGALOO REEF

Cecile Rouseaux

- 1) Quantify the gradients of microzooplankton grazing off WA based on a large-scale oceanographic study
- 2) Detailed analysis of the transects off Ningaloo Reef
- 3) Cross-shelf transport of primary production off NR
- 4) Modeling the cross-shelf transport of 'new production' to and within the Ningaloo Reef



**Basic station**  
(@ surface, DCM and bottom):

- CTD
- Chlorophyll
- POC, PON
- Nutrient conc.

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**Production station**  
(@ surface, DCM and bottom):

- Basic station +
- Primary production using  $^{13}\text{C}$
- Nutrient uptake using  $^{15}\text{N}$  (for size fraction  $< 5\mu\text{m}$  and  $\geq 5\mu\text{m}$ )

