



<b>Subject</b>	Marine Science	<b>Instrument no.</b>	IA1
<b>Technique</b>	Data test		
<b>Unit</b>	Unit 3: Marine systems — connections and change		
<b>Topic</b>	Not Specific		

<b>Conditions</b>			
<b>Response type</b>	Short response Supervised exam conditions		
<b>Time</b>	60 minutes	<b>Perusal</b>	10 minutes
<b>Other</b>	<ul style="list-style-type: none"> <li>• Length: up to 500 words in total, consisting of <ul style="list-style-type: none"> <li>– short responses, i.e. sentence or short paragraphs</li> <li>– written paragraphs, 50–250 words per item</li> <li>– other types of item responses, e.g. interpreting and calculating, should allow students to complete the response in the set time</li> </ul> </li> <li>• Queensland-approved graphics calculator permitted</li> <li>• Unseen stimulus</li> </ul>		
<b>Instructions</b>			
Use the datasets to respond to the associated items in the spaces provided. Each item is associated with the dataset that immediately precedes it.			
<b>Criterion</b>	<b>Marks allocated</b>		<b>Result</b>
<b>Data test</b> Assessment objectives 2, 3, 4	10		
<b>Total</b>	<b>10</b>		



















<ul style="list-style-type: none"> <li>- correct calculation of quantities through the use of algebraic, visual or graphical representations of scientific relationships or data</li> <li>- correct use of analytical techniques to correctly identify trends, patterns, relationships, limitations or uncertainty</li> <li>- correct interpretation of evidence to draw valid conclusions.</li> </ul>	> 20%	3
<b>The student work has the following characteristics:</b>	<b>Cut-off</b>	<b>Marks</b>
<ul style="list-style-type: none"> <li>• demonstration, in scenarios about the reef and beyond or changes on the reef, of elements of               <ul style="list-style-type: none"> <li>- application of scientific concepts, theories, models or systems to predict outcomes, behaviours or implications</li> <li>- calculation of quantities through the use of algebraic or graphical representations of scientific relationships and data</li> <li>- use of analytical techniques to identify trends, patterns, relationships, limitations or uncertainty</li> <li>- interpretation of evidence to draw conclusions.</li> </ul> </li> </ul>	> 10%	2
	> 1%	1
<ul style="list-style-type: none"> <li>• does not satisfy any of the descriptors above.</li> </ul>	$\leq$ 1%	0