

91429R



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

**Level 3 Geography, 2014**  
**91429 Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills**

9.30 am Monday 24 November 2014  
Credits: Four

**RESOURCE BOOKLET**

Refer to this booklet to answer the questions for Geography 91429.

Check that this booklet has pages 2–12 in the correct order and that none of these pages is blank.

**YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.**

*For copyright reasons, the resources in this booklet cannot be reproduced here.*

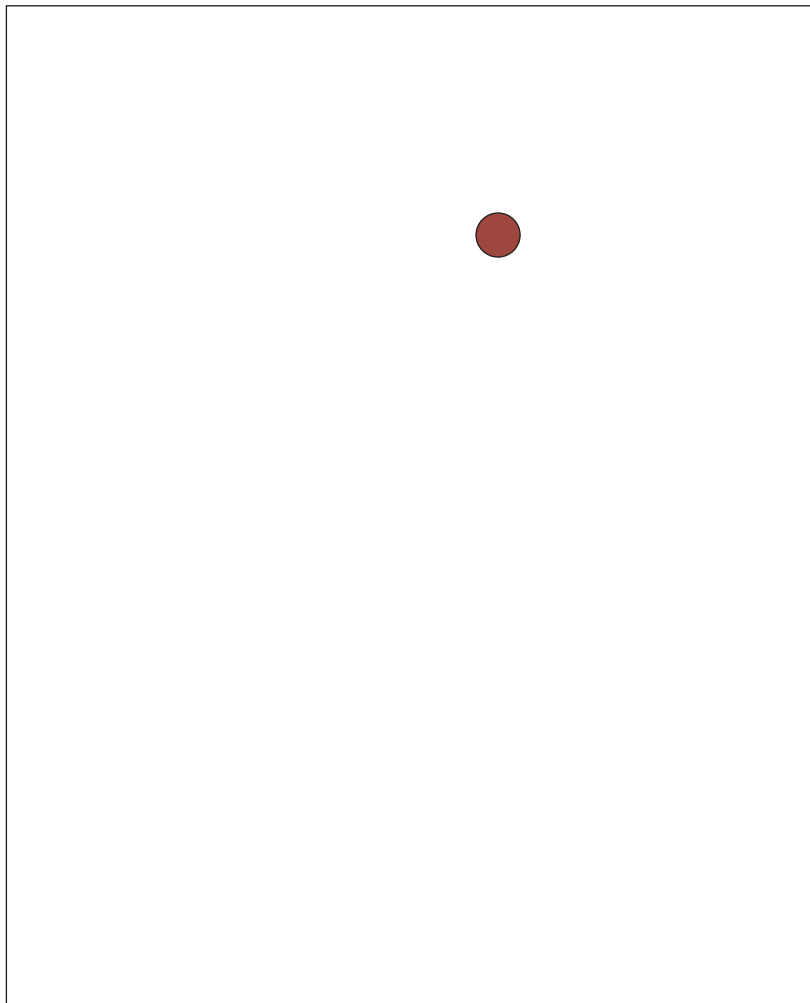
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The resources continue on the following page.**

## THE ENVIRONMENT OF GREAT BARRIER ISLAND

### Resource A: Great Barrier Island's Location

Great Barrier Island is situated off the top of the Coromandel Peninsula, and is 90 km north-east of downtown Auckland.

Great Barrier Island is approximately 3°C warmer than Auckland on average.



 Great Barrier Island

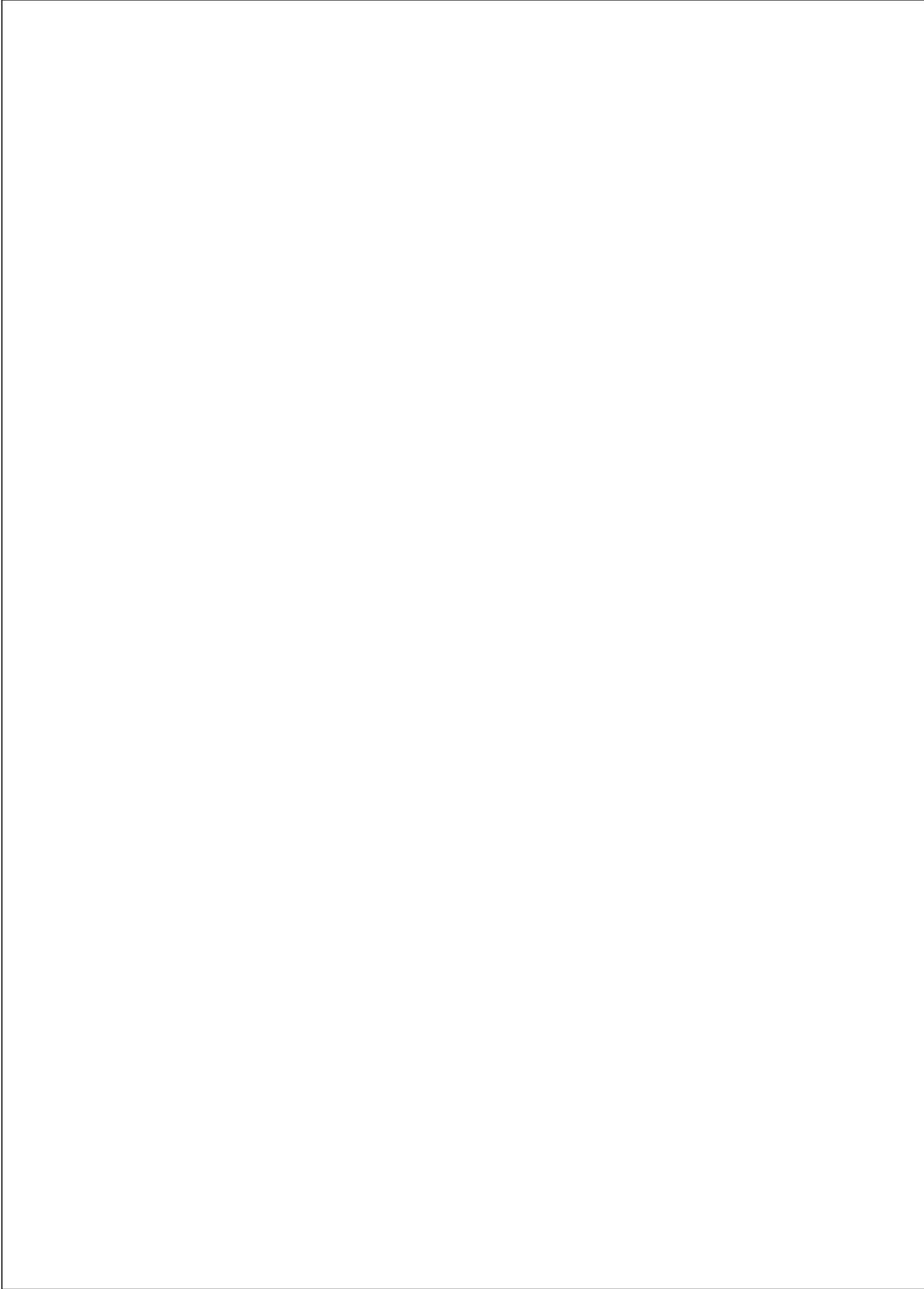
**Resource B: Great Barrier Island and the Hauraki Gulf**



**Resource C: Nautical Chart of Great Barrier Island**



**Resource D: Topographical Map of Great Barrier Island (Extract)**





**SCALE**



## THE CHANGING ENVIRONMENT OF GREAT BARRIER ISLAND

### Resource E: Actual and Estimated Population Statistics (Auckland Region and Great Barrier Island, 2006–2031)

	2006	2011	2016*	2021*	2026*	2031*
<b>Auckland Region</b>						
<b>Great Barrier Island</b>						

*Note: \*Estimated projections by Statistics New Zealand.*

### Resource F: Median Household Income Statistics (Auckland and Great Barrier Island, 1996–2006)

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### Resource G: Income Statistics for People Aged 15 Years and Over (Auckland Region and Great Barrier Island, 2006 Census)

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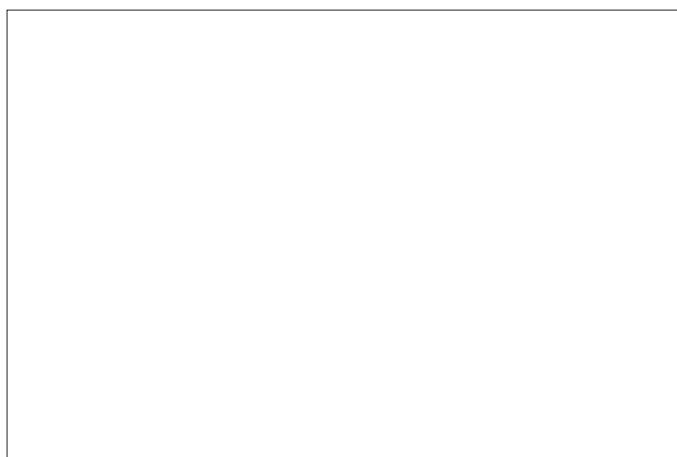


**Resource H: Households' Access to Technology – Comparison  
(Auckland Region and Great Barrier Island, 2006 Census)**

	<b>Auckland Region (%)</b>	<b>Great Barrier Island (%)</b>
No access		
Cellphone		
Telephone		
Fax machine		
Internet		

## PERSPECTIVES AND VIEWPOINTS ABOUT GREAT BARRIER ISLAND

### Resource I: Visiting Yachts Moored in Sheltered Port Fitzroy



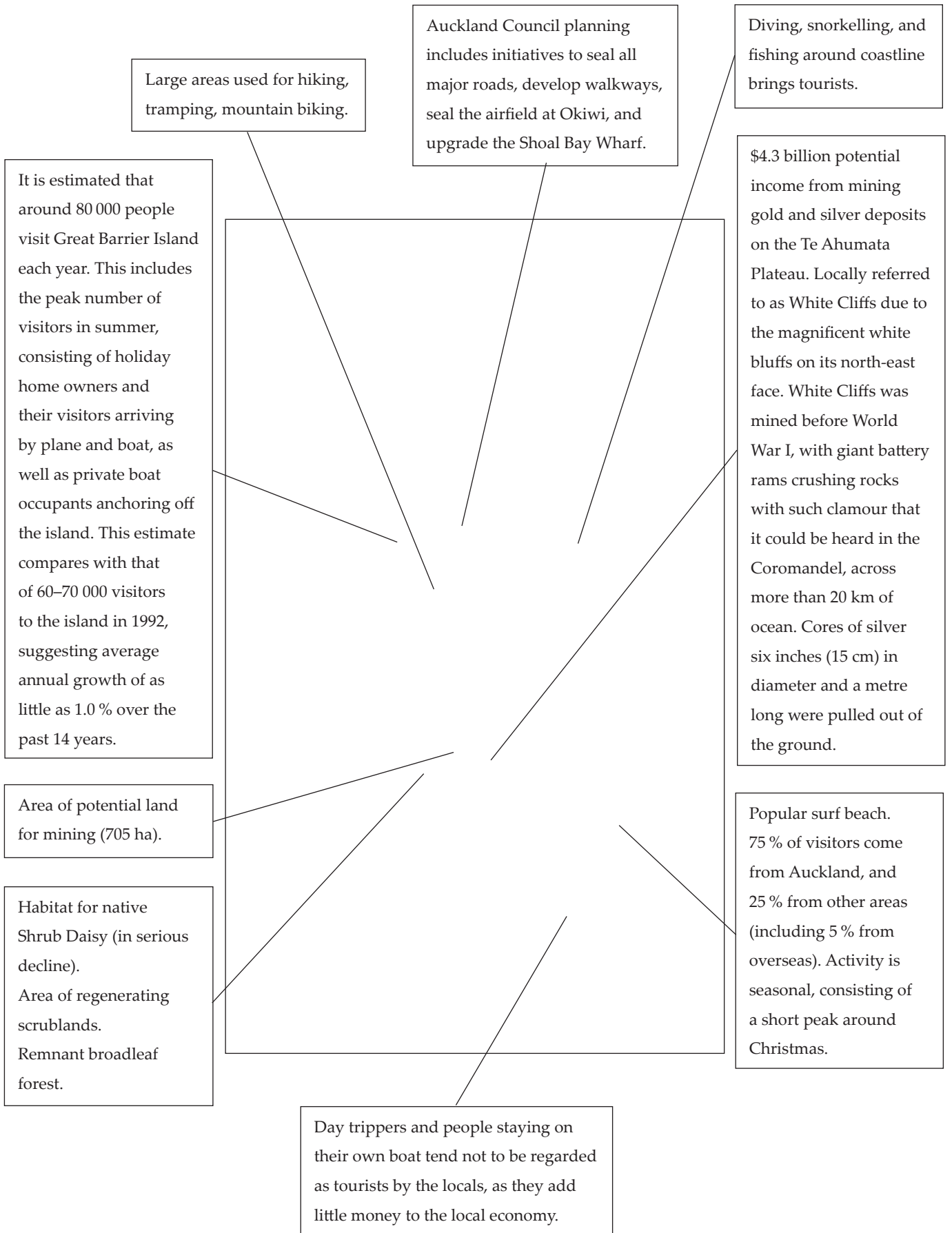
### Resource J: Ferry Timetable between Auckland and Great Barrier Island

Sealink's ferry, *The Island Navigator*, carries cars, passengers, and freight to Great Barrier Island. It departs from Auckland's Wynyard Wharf, three times a week in winter, and more frequently in summer. Sailings take approximately 2.5 hours to get to Tryphena, the southernmost port of the island.

DATE		DEPART AUCKLAND	DEPART TRYPHENA	DEPART FITZROY
<b>January 2014</b>				
Thursday	9 January	8.30 am	1.30 pm	11.30 am
Friday	10 January	6.00 pm	8.30 pm	
Sunday	12 January	1.30 pm	4.30 pm	
Wednesday	15 January	8.30 am	11.30 am	
Friday	17 January	6.00 pm	8.30 pm	
Sunday	19 January	2.30 pm	5.30 pm	
Friday	24 January	6.00 pm	8.30 pm	
Monday	27 January	1.30 pm	4.30 pm	
<b>Easter 2014</b>				
Thursday	17 April	6.00 pm	8.30 pm	
Monday	21 April	1.30 pm	4.30 pm	

### Resource K: Mining on Conservation Land Perspectives

## Resource L: Economy of Great Barrier Island



## ACKNOWLEDGEMENTS

Material from the following sources has been adapted for use in this examination.

Page(s)	Source
3	<p>Resource A: Text: <a href="http://stateofauckland.aucklandcouncil.govt.nz/demographic-report-card/great-barrier-local-board-2013/">http://stateofauckland.aucklandcouncil.govt.nz/demographic-report-card/great-barrier-local-board-2013/</a>, accessed 3 March 2014.</p> <p>Image: <a href="http://upload.wikimedia.org/wikipedia/commons/2/21/New_Zealand_location_map.svg">http://upload.wikimedia.org/wikipedia/commons/2/21/New_Zealand_location_map.svg</a>, accessed 3 March 2014.</p>
4	<p>Resource B: <a href="http://www.thebarrier.co.nz/maphaurakigulf.htm">http://www.thebarrier.co.nz/maphaurakigulf.htm</a>, accessed 4 July 2014.</p>
5	<p>Resource C: <a href="http://www.classicboatsnewzealand.com/?_escaped_fragment_=a-map-of-great-barrier-island/zoom/c23m/image11iy">http://www.classicboatsnewzealand.com/?_escaped_fragment_=a-map-of-great-barrier-island/zoom/c23m/image11iy</a>, accessed 4 July 2014.</p>
6 and 7	<p>Resource D: Topo50 Map Series (NZTopo50-AY34 Claris)</p>
8	<p>Resource E: <a href="http://www.stats.govt.nz/">http://www.stats.govt.nz/</a> and <a href="http://nzdotstat.stats.govt.nz/wbos/Index.aspx#">http://nzdotstat.stats.govt.nz/wbos/Index.aspx#</a>, accessed 3 March 2014.</p> <p>Resource F: <a href="http://www.aucklandcouncil.govt.nz/EN/AboutCouncil/representativesbodies/LocalBoards/Documents/greatbarrierlocalboardplan.pdf">http://www.aucklandcouncil.govt.nz/EN/AboutCouncil/representativesbodies/LocalBoards/Documents/greatbarrierlocalboardplan.pdf</a>, p 30, accessed 3 March 2014.</p> <p>Resource G: <a href="http://www.stats.govt.nz/Census/2006CensusHomePage/QuickStats/AboutAPlace/SnapShot.aspx?type=au&amp;ParentID=1000002&amp;ss=y&amp;tab=Income&amp;id=3521000#">http://www.stats.govt.nz/Census/2006CensusHomePage/QuickStats/AboutAPlace/SnapShot.aspx?type=au&amp;ParentID=1000002&amp;ss=y&amp;tab=Income&amp;id=3521000#</a>, accessed 2 May 2014.</p>
9	<p>Resource H: <a href="http://www.stats.govt.nz/Census/2006CensusHomePage/QuickStats/AboutAPlace/SnapShot.aspx?type=au&amp;ParentID=1000002&amp;ss=y&amp;tab=Income&amp;id=3521000#">http://www.stats.govt.nz/Census/2006CensusHomePage/QuickStats/AboutAPlace/SnapShot.aspx?type=au&amp;ParentID=1000002&amp;ss=y&amp;tab=Income&amp;id=3521000#</a>, accessed 3 March 2014.</p>
10	<p>Resource I: <a href="http://xmb.stuffucanuse.com/xmb/viewthread.php?tid=105">http://xmb.stuffucanuse.com/xmb/viewthread.php?tid=105</a>, accessed 3 March 2014.</p> <p>Resource J: <a href="http://www.greatbarrierislandtourism.co.nz/wp-content/uploads/2013/09/Standard-Summer-Timetable-2013-2014.pdf">http://www.greatbarrierislandtourism.co.nz/wp-content/uploads/2013/09/Standard-Summer-Timetable-2013-2014.pdf</a>, accessed 3 March 2014.</p> <p>Resource K: <a href="http://www.watchdog.org.nz/coromandel-gives-newmont-message-no-more-mining/schedule-4/">http://www.watchdog.org.nz/coromandel-gives-newmont-message-no-more-mining/schedule-4/</a>, accessed 3 March 2014.</p>
11	<p>Resource L: <a href="http://www.consumer.org.nz/reports/mining-on-doc-land/maps-of-affected-areas">http://www.consumer.org.nz/reports/mining-on-doc-land/maps-of-affected-areas</a>, <a href="http://www.aucklandcity.govt.nz/council/documents/hgi/docs/hgi32economicgbi.pdf">http://www.aucklandcity.govt.nz/council/documents/hgi/docs/hgi32economicgbi.pdf</a>, and <a href="http://www.aucklandcouncil.govt.nz/EN/planspoliciesprojects/plansstrategies/annual_plan/Documents/annualplan1314lbagreementgreatbarrier.pdf">http://www.aucklandcouncil.govt.nz/EN/planspoliciesprojects/plansstrategies/annual_plan/Documents/annualplan1314lbagreementgreatbarrier.pdf</a>, accessed 20 March 2014.</p>