

<b><u>Case Study name:</u></b>	Rio de Janeiro Floods	<b><u>Section of specification:</u></b>	Option A - Freshwater - Issues and conflicts	
<b><u>Location:</u></b>	<u>City/Region:</u> Rio de Janeiro	<u>Country:</u> Brazil	<u>Continent:</u> South America	
<b><u>What:</u></b>	<b><u>When:</u></b> 2011  <b><u>Causes/Theory:</u></b> Human: - Deforestation reduced interception and transpiration. Increased surface run-off and fast saturation. - Weak building regulations made poor populations vulnerable (no drainage systems). - Urbanization increased the amount of impermeable surfaces. - High population densities and poor communication systems  Physical: - Steep drainage basins caused flash floods - Very high precipitation levels			
<b><u>Facts and Figures</u></b>	- 900 killed - \$1.3 billion damage			
<b><u>Political Effects:</u></b>	<b><u>Economic Effects:</u></b>	<b><u>Environmental Effects:</u></b>	<b><u>Social Effects:</u></b>	
Criticism due to poor government response	- High damage cost - Destroyed farmland and crop loss	Destruction of nearby ecosystems through flooding and mudslides	- Lack of food - Increased poverty	
<b><u>Solutions:</u></b>		<b><u>Possible Exam Question:</u></b>		