**1. The following are potential impacts of climate change in the future. Categorise the impacts into social, economic and environmental.**

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| **Key** | **Social** | **Economic** | **Environmental** |

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| Flood risks from heavy rains. The cost of flooding damage in the UK could rise to £12 billion by 2080 | Sea Level rise: UK’s coastal defences under strain | Crop yields in Europe are expected to increase but need more irrigation | Drought is likely to put pressure on food and water supplies in sub-Saharan Africa  |
| Malaria cases in eastern and southern Africa may increase as hot humid regions will stay hotter for longer each year  | Maize and wheat yields in South Asia and South America will decrease | Warmer rivers will affect wildlife, for example river dolphins will decrease | Fishing will be disrupted as water become warmer and migration patterns change.  |
| Less rainfall will cause disruption to foodchains in different ecosystems | Warmer and more acidic water is destroying the coral reefs and their ecosystems | Penguin populations are at risk due to melting of Antarctic ice and polar bears due to Arctic ice melt | Eastern Amazonia is at risk of becoming a savannah due to warming, resulting in mass extinction  |
| Northern latitude forests are more at risk from pests, disease and forest fires | Less ice in the Arctic will allow increased shipping  | Less ice in the Arctic will allow increased opportunities to extract oil and gas | 70% of Asia as it at risk from flooding due to sea level rise  |
| The Mediterranean region is at risk from severe drought | Skiing resorts such as the Alps will have shorter seasons due to less snow | Due to increased temperatures diseases such as skin cancers and heat strokes in the summer.  | In Europe the number of cold related deaths could fall |
| Traditional ways of life are at risk | Increased strain on water supplies | Increased risk of hurricanes due to warmer seas  | Glacial melt in the Himalayas will increase flooding in Asia and effect water supply |

1. **Locate the impacts with location detail on the map.**
2. **Add any other impacts you know of.**

**Stretch and Challenge**

**To what extent do you think developing countries will experience a greater impact of climate change than developed countries? Justify your answer.**

