

2 What is the extent of the problem?

Stonehaven has a long flood history and flooded most recently in December 2012.

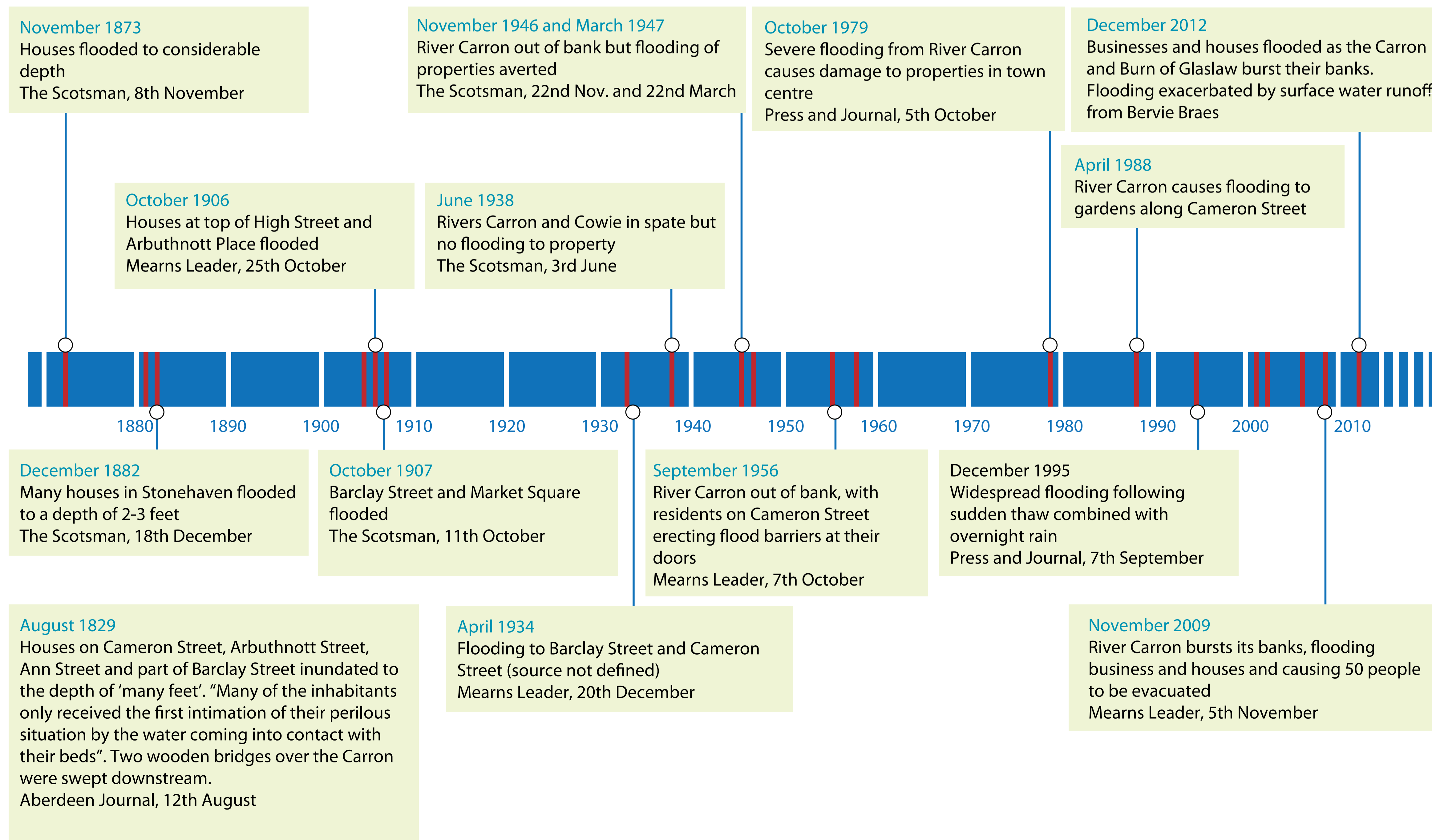
Studies have been carried out by professionals that agree there is a clear risk of river flooding in Stonehaven.

This is likely to get worse as the effects of climate change have an impact on our weather patterns and how rainfall runs off the land into our rivers. A number of reports bring together our latest scientific and engineering knowledge to clearly describe these risks.

Key findings from these studies show that:

- The flood that occurred in 2012 had a flow estimated to be 24 m³/s and is likely to occur on average once every 10 years.
- Climate change is likely to have an 33% impact on flood flows by 2080.
- 317 properties and 110 businesses are at risk of flooding during a 1 in 200 year flood by 2080.
- The flood protection scheme will reduce the risk of river flooding to a 0.5% probability, or put another way, provide a 1 in 200 year standard of protection. This is around 3 times the flow of the 2009 flood.

Stonehaven flood timeline



1979 Flood



1979 Flood