

## Re: what does trigger earthquakes ?

**Source:** <http://sci.tech-archive.net/Archive/sci.geo.geology/2004-12/0305.html>

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- > *That would explain why some micro-earthquake repeat at regular intervals of time, would not it ?*
- > *That would also explain why injecting water triggers earthquakes in tectonically stable regions.*
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- > *Evidence please.*

For the first statement, it has been recently discovered. See SAFOD project.  
(<http://www.icdp-online.de/sites/sanandreas/references/references.html>)

For the second,  
see  
[http://www.glaciermedicaled.com/Earthquake\\_html/all\\_about/all\\_about\\_10.html](http://www.glaciermedicaled.com/Earthquake_html/all_about/all_about_10.html)

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- > *That would also explain why there are some earthquakes in regions where there is no compressive nor shear stress...*
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- > *It may not be evident but there is compressive and shear stress the crust over. Earthquakes that occur in areas of perceived stability are caused by the build up of stress. It takes longer to overcome the rock that is less broken than in areas that are already faulted.*

I meant: some earthquakes occur where the earth crust is elongated and not compressed.

For example, the 1908 earthquake in New-Madrid, Missouri.

Other examples: mid-ocean ridge earthquakes

Jean-Marie