



Figure 6. Some possible analogues for the formation of Siletzia. Left: the very complex Cocos-Nazca spreading system offshore Central and South America. The Galapagos hot spot has produced twin seamount chains, which are subducting. The nascent Galapagos hot spot appears to have produced a Large Igneous Province in the mid- Cretaceous. This failed to subduct, becoming the Caribbean plate (Sinton, 1998). Right: The Cascadia margin with a slightly modified Iceland overlain offshore. Iceland is a fair analogue for the Siletzia, but the plate tectonic setting was more like the Cocos-Nazca system, and the paleogeography was probably similarly complex.