

Letters

Permafrost Changes in the Tibetan Plateau

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摘要
关键词 [Qinghai-Tibetan Plateau](#) [permafrost](#) [thickness of active layer](#) [global warming](#)

分类号

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Abstract The monitoring data of permafrost temperature in the Qinghai-Tibetan Plateau during 1995-2004 are analyzed, and results show that under the impact of global warming, the permafrost are changing remarkably in recent 10 years, the thickness of active layer is increasing notably, and this kind of trend is even more evident in the warm permafrost region than in the cold permafrost region. The temperatures both near permafrost table and at the depth of 6 m are rising evidently, and the rising rate of temperature in the cold permafrost region is greater than one in the warm permafrost region. There is clear responsibility between permafrost changes of the Qinghai-Tibetan Plateau and global warming.

Key words [Qinghai-Tibetan Plateau](#) [permafrost](#) [thickness of active layer](#) [global warming](#)

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