

Eroding Soil Types and Their Management Countermeasures of Granite Regions in Guangdong Province, China

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Abstract A area of granite region in Guangdong province is big and regional differences of erosion processes and eroding types in different eroding weathering crust are very obvious. It is necessary that eroding soil is controlled according with their features. Soil erosion of granite weathering crust in Deqing county of Guangdong Province is very serious. Based on investigation to characteristics of weathering crust and erosion processes of this region, profile features of weathering crust and physical and chemical changes of different zone of weathering crust were analyzed, occurrence mechanism of eroding soil were discussed, features and their control countermeasures of main eroding soil types were made.

Key words granite region, weathering crust, eroding soil, Guangdong

封面照片说明: 澜沧江上游河谷地貌

澜沧江是中国西南地区的一条大河,发源于青藏高原的唐古拉山北麓(青海境内),源头分为札曲和昂曲两条河。札曲、昂曲在西藏昌都汇合后称澜沧江。澜沧江也是一条国际河流,流经中国的青海、西藏和云南,在流出中国云南的西双版纳后称湄公河;它是亚洲流经国家最多的河流,除中国外,还流经缅甸、老挝、泰国、柬埔寨和越南等国,在越南胡志明市附近注入南海,全长 4 880 km,是世界第六大河,亚洲第二大河。澜沧江上游处于青藏高原东部的横断山区,主要在西藏昌都地区和云南迪庆藏族自治州境内,穿行于他念他翁山和宁静山之间,河谷地带海拔多在 2 000~3 000 m,而两岸山脊的海拔多在 4 000~6 000 m,山崖陡峭,河谷深切,高差悬殊,岭谷相对高度一般达 1 500~3 000 m,形成了起伏强烈的典型高山峡谷地貌。照片为滇藏交界处附近的澜沧江河谷地貌。

(山 水)