Status and causes of ecological imbalance of abandoned weathered crust elution-deposited rare-earth mine in South China

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Abstract: The ecological imbalance status of abandoned weathered crust elution-deposited rare-earth mine in South China is serious, such as a large area of vegetation damage, serious soil erosion, heavy metals, water and soil pollution, fluorine pollution and so on. These all endanger the safety of lives and property of people who live in mine and its downstream. The ecological imbalance status and causes of abandoned weathered crust elution-deposited rare-earth mine are detailed and analyzed respectively in this paper, and finally make a few suggestions to improve the ecological imbalance status of abandoned weathered crust elution-deposited rare earth mine in South China.

Key words: abandoned weathered crust elution-deposited rare earth mine in South China; ecological imbalance; status; causes