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## Use of natural resources in traditional charcoal production

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The purpose of this study is pointing out the characteristics on forest use for charcoal production, in terms of natural resource management, based on a few field data from hilly area near Sendai, northeast Japan. Former charcoal production worker made a charcoal producing kiln selectively on concave break of slope, because such location in hillslopes satisfies various requirements from working processes of charcoal production. Material for making kiln was sandy clay and gravel collected from topsoil in surrounding slopes. Woods were gathered from slopes situated on upside of the kiln. These characteristics suggest that former charcoal production in hills multifariously utilized natural resources, such as forest, microlandform, and surface geology.

Keywords: fuelwood forest, natural resources, hilly area