

## **IMPACT OF OVER EXTRACTION OF THE GROUNDWATER ON THE CHANGE OF NEAR GROUND TEMPERATURE AND ECOENVIRONMENT**

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Near ground temperature and its change is relative stability. But the exceeding extraction of groundwater can obviously cause the change of near ground temperature. Therefore, it also can affect humidity of rock and soil, soil ingredient, water quality, ground micro-organism system and surface eco-environment. Upon the basis of large amounts of obtained data, author studied new mutual interrelations of ground temperature, soil humidity, weather, rainfall and irrigation, and consequential change of micro-organism behavior in the soil and the decay of the surface ecological system under exceeding extraction in the Hua Bei plain area. Author points out the impact as temperature is changing slowly and widely. Observing showed that the changing range of near ground temperature was risen, soil was dried, moisture content was decreasing, ground eco-environmental condition was broken and vegetation shriveled, land was desertified, desert was transferred etc. This extensive influence leads to the serious result of the desertification. Therefore, author supplied several rational proposals for the agriculture development.