

前植物生产层

北京永定河地区“高尔夫长廊”植被种类及盖度状况研究

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摘要:

永定河沙地是北京市冬春季沙尘天气的主要沙源之一。在永定河卢沟桥段至尧上段分别在高尔夫球场内外设置12个样地48个样方, 实地调查该流域段内高尔夫球场内外的植物种类及植被盖度的差异。调查后发现: 在高尔夫球场内外乔灌木不同层次的植被类型存在明显差异, 精细管理的球场内(包括果岭、球道和高草区)的植被覆盖度明显优于河床无人管理的区域 (P<0.01), 植被盖度依次为果岭>球道>高草区>河床无人管理区。果岭平均盖度在95%以上, 并且盖度稳定, 球道和高草区的平均盖度均大于60%, 参照植被盖度与风蚀水平的相关性研究, 该地区风蚀几率大大减小; 无人管理区60%样地区域盖度小于40%, 易造成明显风蚀。

关键词: 永定河; 高尔夫长廊; 植被种类; 植被覆盖度

Research on vegetation species and coverage situation of golf course cluster at Yongding River

Abstract:

Yongding River is considered as one of sandstorm resources to Beijing under long term drought in spring or fall. Plant species and vegetation coverage were investigated at 48 plots in 12 sampling sites inside or outside of golf courses from Luzhou Bridge to the beginning line of Raoshang along the Golf Course Cluster. The results showed that plant species varied greatly among the sites, and vegetation coverage inside was higher than that outside of golf (P<0.01), in descendent order was greens (95%), fairways (more than 60%), roughs (more than 60%) and the side area (less than 40% in 60% area). The outside of golf area was erosible by wind.

Keywords: Yongding River golf courses plant species vegetation coverage

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