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ABSTRACTS

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TAKEHOLDER KNOWLEDGE AND PERCEPTION ON INVASIVE PLANT PECIES IN HORTON PLAINS AND UDAWALAWE NATIONAL PARKS, SRI LANKA

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Stakeholder knowledge related studies are useful to understand the impacts of Invasive Alien Species (IAS) on people and the environment, which helps park management, awareness cremon and improved collaborations in managing high impact invasive species. Hence, this study mended to document the existing knowledge, perceptions and attitudes of different stakeholdon their awareness of invasive plant species and their management in Horton Plains National Trick (HPNP) and Udawalawe National Park (UNP). The primary data were collected through a questionnaire survey from three different stakeholder groups interacting with national parks. The majority of the responded villagers in Udawalawe were of 20-40 years of age with formal education up to A/L examinations. Majority of villagers from Pattipola (closest village m HPNP) were between 40-60 years of age with education up to O/L examinations, while considerable number of Pattipola villagers (25%) have not attended school. However, their mowledge regarding invasive plant species and their management was low in both villages. The mowledge level of villagers in Udawalawe showed no strong relationships with variables such s 'Gender', 'Education', 'Distance to the park' and 'Primary source of information', however, here was statistically significant evidence for a moderately strong relationship with 'Age catezory' (Chi-Squared test; C = 0.447, P = 0.018) among villagers in UNP. The work experience of the UNP staff members ranged between 1 to 40 years, whereas that in HPNP varies between 4 and 35 years. Their knowledge of invasive alien plants and management was moderate in both parks, and was not associated with any tested variable. Whereas, 'Source of Information' C = 0.542, P = 0.002 for HPNP; C = 0.557, P = 0.002 for UNP), 'Frequency of visitation' C = 0.546; P = 0.013 for HPNP; C = 0.635, P = 0.000 for UNP), 'Previous experience' (C = 0.546); P = 0.013 for HPNP; P = 0.013 for HPNP; P = 0.000 for UNP), 'Previous experience' (P = 0.013) 0.589, P = 0.000 for HPNP; C = 0.580, P = 0.000 for UNP), 'Education level' (C = 0.455, P = 0.051 only for HPNP) and 'Nationality' (C = 0.471; P = 0.000 only for UNP) were statistically significant deciding factors for the knowledge level of visitors. The perception of villagers on environmental conservation aspects were similar in both villages, while the UNP staff flagged the lack of continuous funding for IAS management as an issue. The overall awareness and concern about invasive plants in both parks calls for more public participation in management.

Keywords: Awareness, Engagement, Invasive alien species, Perception, Stakeholder