ABSTRACT

Soil and land resource inventory of Kuzhuppilly panchayat was undertaken by the Soil Survey wing of the Department of Agriculture during 2006 to assess the resources of the area, to identify the problems and to suggest suitable development programmes for sustained and integrated development of the area.

Kuzhuppilly is a coastal panchayat located in Kochi taluk of Ernakulam district and extends over 773 ha. The panchayat is part of the lowland tract bounded on both sides by water body. Fish rearing is the major occupation of the people. The garden land covers an area of 249.0 ha. Coconut predominates in the garden land. The total area under wetland is 320.0 ha and is composed of Pokkali lands. A single crop of paddy (Virippu) followed by prawn culture is the traditional practice followed in the wetlands. The soil series identified in the garden land are Udayamperoor (132.5 ha) and Vytilla (116.5 ha). Vypeen (320.0 ha) is the only soil identified in the wetland.

Based on the characteristics of the soils, land capability subclasses IVs and IVsw and land irrigability subclasses 3s and 4sd were recognized in the panchayat. IVsw and 4sd are the predominant land capability class and land irrigability class respectively. Other interpretative studies like hydrologic grouping, crop suitability, fertility and production potential of the soils are also included in the report. The problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended.