## Application of Ecosystem Approach to Management (EAM) to prepare a management plan to AnavilundawaRamsar Sanctuary, Sri Lanka

## **ABSTRACT**

The Anawilundawa sanctuary was established on 11 June 1997 by the Department of Madife Conservation in Sri Lanka under the provisions of Fauna and Flora Protection Considering its biodiversity and wetland values. This was recognized as a wetland of international importance by the \*\*Convention on 03 August 2001. The Anawilundawa sanctuary consists of a group mercan cascading reservoirs namely, Pinkattiya, Wellawala, Maradansole, IrakkaWela/ Maiyawa, Anawilundawa, Suruwila, and Maiyawa. However, to date, no management has been prepared or executed. The current study therefore, propose an Ecosystem The to Management (EAM) based management plan for this protected area. Data collected from the stakeholders and desk based studies. A total of 25 focused group mersews were held with a pre-tested questionnaire in the study area with the community and a total of 16officials from government departments were interviewed. Threats and of the area were sorted through 2\*2 matrix analysis and stakeholders and their relationships were analyzed by Venn diagramming. Arc GIS was used in mapping management unit. Results indicatedencroachment, unsustainable use of natural between government agencies, the establishment and of shrimp and prawn farming as the most significant and the highest impacting The key stakeholders identified from the study wereDWC, farmers, shrimp and Dept. The developed plan was for 5 years and the current sanctuary boundary the management unit. The plan consists of 3 goals 12 objectives and 18 activities. and totally, plans were prepared for proposed constructions. A total of 16 indicators were eveloped to assist monitoring and evaluation. The proposed funding to implement me project was sought from Government Treasury of Sri Lanka, Ramsar secretariat, NOP. UNEP, SACEP, CMS secretariat. The plan also consisted of a monitoring and plan that has yearly internal monitoring and 1st, 3rd and 5th year external mentoring. The communications regarding the management impacts are proposed to be reports. The total cost of the proposed plan was 84,876,000.00.LKR. It is that EAM planning is better approach to bring ecological and human wellbeing governance to managing protected areas with stakeholders participation.