

Flora of Tampara Lake

An extensive study was done on the flora of Tampara Lake and its surroundings. There are two types of vegetation are seen in the area. One is the terrestrial type in the peripheral area of the lake and the second one which is aquatic type and is seen inside the lake.

Terrestrial vegetation

On the western shore of the lake, many Keoda plantations were observed while the Eastern shore of the lake was dominantly occupied with Casuarina and Kaju (*Anacardium occidentale*) plantations.

Aquatic vegetation

The area under emergent and water spread area was 111.42 and 179.58 ha, respectively. An extensive survey was done on the aquatic macrophyte prevalent in Tampara Lake. The entire Northern shoreline appeared to be occupied with macrophytes such as *Nymphoides indica*, and *Schoenoplectus litoralis*. In the southern part, along with these two species, other species such as *Typha angustata*, and *Saccharum spontaneum* were present. The central part of the lake was apparently devoid of submerged vegetation while the western and southern ends were choked with profuse growth of vegetation.

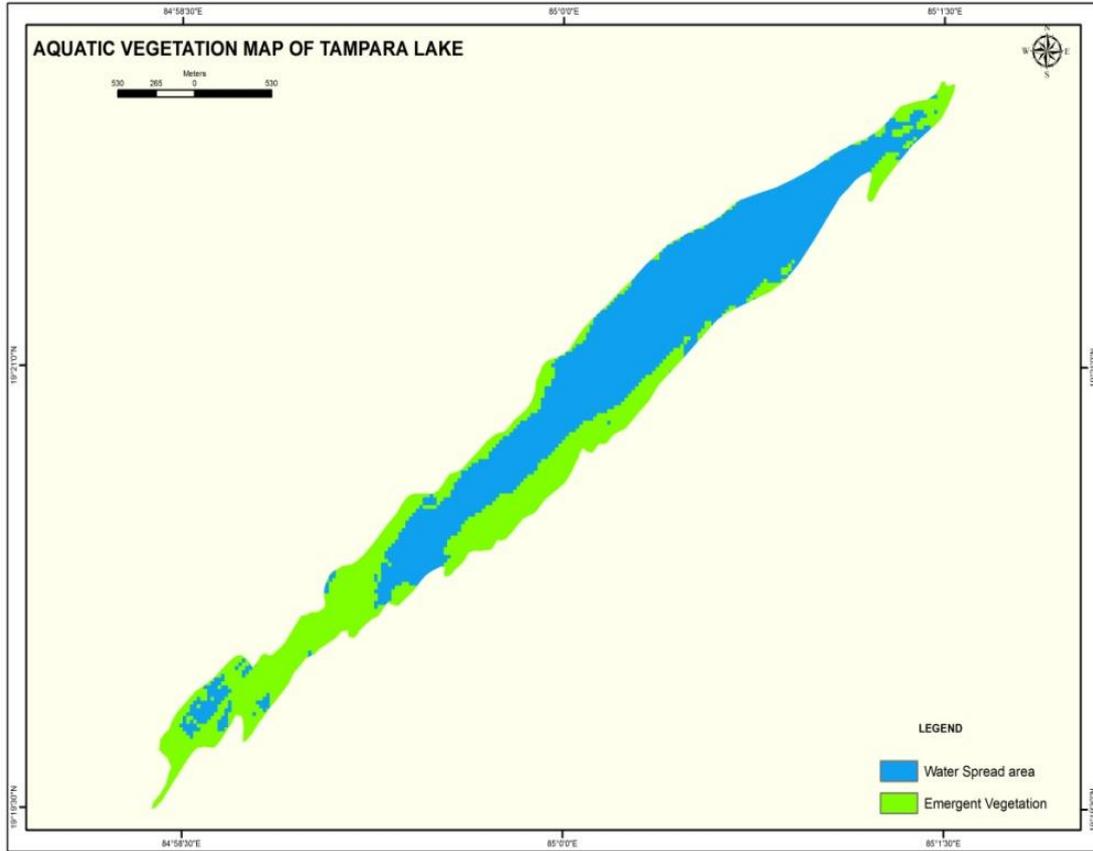
Macrophyte distribution pattern in the Tampara Lake

| Name of Station | Major macrophytes and related observation |
|-----------------|---|
| Tm1 | No macrophytes was observed under water but the nearby shoreline was full of <i>Nymphoides indica</i> , <i>Paspalidium geminatum</i> , <i>Schoenoplectus litoralis</i> . |
| Tm2 | Full of <i>Nymphoides indica</i> , <i>Schoenoplectus litoralis</i> |
| Tm3 | <i>Schoenoplectus litoralis</i> , <i>Potamogeton nodosus</i> , <i>Nymphoides indica</i> , <i>Paspalidium geminatum</i> |
| Tm4 | <i>Schoenoplectus litoralis</i> , <i>Potamogeton nodosus</i> , <i>Nymphoides indica</i> , <i>Paspalidium geminatum</i> . |
| Tm5 | <i>Schoenoplectus litoralis</i> , <i>Potamogeton nodosus</i> , <i>Nymphoides indica</i> , <i>Nymphaea stellata</i> |
| Tm6 | <i>Schoenoplectus litoralis</i> , <i>Potamogeton nodosus</i> , <i>Nymphoides indica</i> , <i>Paspalidium geminatum</i> , <i>Hydrilla verticillata</i> , <i>Utricularia macrorhiza</i> , <i>Typha angustata</i> , |
| Tm7 | <i>Schoenoplectus litoralis</i> , <i>Potamogeton nodosus</i> , <i>Nymphoides indica</i> , <i>Hydrilla verticillata</i> , <i>Utricularia macrorhiza</i> , <i>Najas marina</i> . |
| Tm8 | <i>Schoenoplectus litoralis</i> , <i>Potamogeton nodosus</i> , <i>Nymphoides indica</i> , <i>Paspalidium geminatum</i> , <i>Hydrilla verticillata</i> , <i>Utricularia macrorhiza</i> , <i>Typha angustata</i> , <i>Najas marina</i> , <i>Nymphaea stellata</i> . |
| Tm9 | <i>Schoenoplectus litoralis</i> , <i>Nymphaea stellata</i> , <i>Nymphoides indica</i> , <i>Saccharum spontaneum</i> , <i>Polygonum barbatum</i> , <i>Paspalidium geminatum</i> . |

Tm10

Ipomoea carnea , *Typha angustata* , *Schoenoplectus littoralis* ,
Paspalidium geminatum , *Nymphoides indica*

Aquatic vegetation map of Tampara Lake



Photographs of macrophytes taken during Tampara Lake survey



Potamogeton nodosus



Nymphoides indica



Polygonum barbatum



Paspalidium geminatum