

IMBRENT study (see figure 10). Wells biogeographic classification of mangroves is also available (Wells 1984) and is presented in sections 2.2 and 2.3.

1.4 Objectives

The aims/objectives of this report are:

- To collate and assess information pertaining to mangrove distributions around the NT coastline.
- To attempt to regionalise mangrove distributions around the NT coastline based on the pattern of mangrove species groupings, rather than on the distribution of individual species.
- To provide recommendations and to recognize areas for possible future, more intensive, study.

2.0

METHODS

It is proposed to outline the available information in more detail. Analysis of the data is undertaken in some instances. In other instances the data from other authors is supplied.

2.1 TWINSpan classification

2.1.1 Method

TWINSpan, a hierarchic, polythetic, divisive classification procedure was used to classify the data obtained from Wightman's (1986) survey of the mangroves of the Northern Territory. Species occurring within each 1° grid cell around the coast were compared, using TWINSpan, on a presence/absence basis. Grouping of the mangrove species, at the different levels of analysis, is shown in figure 3. A listing of which species occurred within each grid cell follows.

Table 1. Species occurring in each grid. Species in **bold** occur in all grid cells and are not a discriminator in the analysis.

Species	Grid cell Number																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
<i>Acanthus ebracteatus</i>	-	-	-	-	-	-	*	*	*	*	-	-	*	*	-	-	-	-	-	-	-	-	
<i>Acanthus ilicifolius</i>	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Acrostichum speciosum</i>	*	-	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Aegialitis annulata</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Aegiceras corniculatum</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Amyema mackayense</i>	-	-	*	-	*	*	*	*	*	*	-	-	*	*	-	-	-	-	-	-	*	-	
<i>Amyema thalassia</i>	-	-	-	-	-	*	*	*	*	*	-	-	*	*	-	-	-	-	-	-	-	-	
<i>Avicennia integra</i>	-	-	-	-	-	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Avicennia marina</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Batis argillicola</i>	-	-	-	-	-	*	*	*	*	*	-	-	-	*	*	*	-	-	-	-	*	*	
<i>Bruguiera exaristata</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Bruguiera gymnorhiza</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Bruguiera parviflora</i>	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Bruguiera sexangula</i>	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Camptostemon schultzei</i>	-	-	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Ceriops decandra</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Ceriops tagal</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
<i>Cynanchum carnosum</i>	*	-	*	*	-	*	*	*	*	*	*	-	-	*	*	*	*	*	*	*	*	*	*
<i>Cynodon dactylon</i>	-	-	-	*	-	*	*	*	*	*	-	*	-	-	-	-	-	-	-	*	-	-	
<i>Cynometra iripa</i>	-	-	-	-	-	-	-	-	-	*	-	-	*	-	-	-	-	-	-	-	-	-	
<i>Dalbergia candenatensis</i>	*	-	*	-	-	*	-	*	-	*	-	*	-	-	-	-	-	-	-	-	-	-	
<i>Derris trifoliata</i>	-	-	*	-	-	-	*	*	*	-	*	-	*	-	*	-	-	-	-	-	-	-	
<i>Diospyros compacta</i>	*	-	-	-	-	*	*	*	*	*	-	*	-	*	-	-	-	-	-	-	-	-	-