

## APPENDIX 13.1 FLORA

**Appendix 13.1.1.** Plant species of conservation significance and protected species recorded in the Study Area in this and/or relevant previous studies. Where study boundaries of previous studies extend beyond current Study Area boundary, only records from within the area covered by this study are included. Note that for some sources, lists are incomplete and/or only some records are attributed to a specific locality.

Species	Conservation and Protection Status <sup>1</sup>	NENT Study - KTN <sup>2</sup>	Present Study - KTN	NENT Study - FLN <sup>2</sup>	Present Study - FLN	Other Studies <sup>3</sup>
<i>Ailanthus fordii</i>	Cap. 96A, Near Threatened in China	Y				
<i>Aquilaria sinensis</i>	Cap. 586, IUCN(VU), Near Threatened in China and State Protection (Category II), Recorded in China Plant Red Data Book and Illustration of Rare and Endangered Plants in Guangdong Province	Y	Y	Y	Y	Y
<i>Cibotium barometz</i>	Cap. 586, Vulnerable in China and State Protection (Category II)		Y			
<i>Gnetum luofuense</i>	IUCN(NT)	Y	Y	Y	Y	Y
<i>Pavetta hongkongensis</i>	Cap. 96A	Y				
<i>Pecteilis susannae</i>	Cap. 96A, Cap. 586				Y	
<i>Rhododendron simsii</i>	Cap. 96A		Y		Y	
<i>Spathoglottis pubescens</i>	Cap. 96A, Cap. 586				Y	

### References

- Sources
  - IUCN (2013): NT = Near Threatened; VU = Vulnerable.
  - Rare and Precious Plants of Hong Kong (AFCD 2003)
  - Cap. 96A = Chapter 96A Forestry Regulations
  - Cap. 586 = Protection of Endangered Species of Animals and Plants Ordinance
- Maunsell (2003).
- Maunsell (1997); Arup (2010), Mott MacDonald (2010 & 2012) and field survey data from Agreement No. CE/2008 (CE). Planning and Engineering Study on Development of Lok Ma Chau Loop - Investigation.

### Key

Y = Species recorded in the corresponding study.

**Appendix 13.1.2.** Vegetation recorded within the Kwu Tung North NDA and observations during further surveys for this Study.

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
<i>Acacia auriculiformis</i>	Tree	Exotic, common, often planted in plantation				**	*			**				**	
<i>Acacia confusa</i>	Tree	Exotic, common, often planted in plantation								**	*	*		***	***
<i>Acacia mangium</i>	Tree	Exotic, common, often planted in plantation							*					***	
<i>Acronychia pedunculata</i>	Tree	Very common									**				
<i>Adiantum capillus-veneris</i>	Herb	Common								**					
<i>Aeschynomene indica</i>	Herb	Very common	*							**				*	
<i>Ageratum conyzoides</i>	Herb	Exotic, very common	**				*	*		**					**
<i>Aglaia odorata</i>	Shrub/small tree	Exotic, often planted for ornamental purpose										*			**
<i>Albizia lebbek</i>	Tree	Exotic, common, often planted						*		*		*			**
<i>Alchornea trewioides</i>	Shrub	Common									*				
<i>Aleurites moluccana</i>	Tree	Exotic, commonly planted										*		*	**
<i>Allium tuberosum</i>	Herb	Exotic, often cultivated	*												
<i>Alocasia macrorrhizos</i>	Perennial herb	Very common	*	**	****		*	***		*	*	**		*	**
<i>Aloe vera</i> var. <i>chinensis</i>	Herb	Exotic, commonly cultivated	*												
<i>Alpinia hainanensis</i>	Herb	Very common						*							
<i>Alpinia</i> spp.	Herb	Very common								*					
<i>Alternanthera paronychioides</i>	Herb	Exotic, common					*								
<i>Alternanthera philoxeroides</i>	Perennial herb	Exotic, common			*	**	*	**		*					
<i>Alternanthera sessilis</i>	Perennial herb	Common	**	**				**		*				*	*
<i>Amaranthus spinosus</i>	Herb	Exotic, common	*	*			*			*				*	
<i>Amaranthus viridis</i>	Herb	Very common	*				*			*					
<i>Ampelopsis cantoniensis</i>	Climber	Very common								*					
<i>Ampelopsis heterophylla</i> var. <i>kulingensis</i>	Climber	Common									*				
<i>Annona squamosa</i>	Tree	Exotic, commonly planted	*												*
<i>Antirhea chinensis</i>	Shrub/small tree	Very common									**				
<i>Aporosa dioica</i>	Tree	Very common								**	***	**		*	
<i>Aquilaria sinensis</i>	Tree	Common, found wild or planted in lowland forest and <i>fung shui</i> woods. Listed as "Vulnerable" in Red List of Threatened Species (IUCN 2013); "Near Threatened" in China									*	*			

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
		Plant Red Data Book and State Protection (Category II); protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586)													
<i>Arachis hypogaea</i>	Herb	Exotic, often planted	*												
<i>Araucaria heterophylla</i>	Tree	Exotic, commonly planted								*				*	**
<i>Archidendron clypearia</i>	Tree	Common									**				
<i>Alchidendron lucidum</i>	Tree	Common									*				
<i>Archontophoenix alexandrae</i>	Tree palm	Exotic, often planted												*	*
<i>Ardisia quinquegona</i>	Small tree	Very common									*				
<i>Artocarpus heterophyllus</i>	Tree	Exotic, commonly planted fruit tree	*					*			*				*
<i>Aster subulatus</i>	Perennial herb	Exotic	*	**				*		*					*
<i>Averrhoa carambola</i>	Small tree	Exotic, planted for fruit					*					*		*	**
<i>Axonopus compressus</i>	Herb	Exotic, common, also planted												**	**
<i>Baeckea frutescens</i>	Shrub	Very common							*	**					
<i>Bambusa eutuldoides</i>	Clumped tree bamboo	Exotic, common						*							*
<i>Bambusa</i> spp.	Clumped tree bamboo	Exotic, common				*		*			*			*	**
<i>Basella alba</i>	Herb	Exotic, restricted, cultivated and naturalized	*							*					
<i>Bauhinia blakeana</i>	Tree	Common, often planted												**	**
<i>Bauhinia variegata</i>	Tree	Exotic, often planted						*		*		*		**	
<i>Begonia</i> spp.	Herb	Common species often planted for ornamental purposes but naturalised in some wet areas													*
<i>Benincasa hispida</i>	Herbaceous vine	Exotic, cultivated	*												
<i>Berchemia floribunda</i>	Climbing shrub	Common									*				
<i>Berchemia lineata</i>	Climbing shrub	Rare									*				
<i>Bidens alba</i>	Herb	Exotic, very common	**	**		****	***	***		****	****	*	***	**	**
<i>Bidens pilosus</i>	Herb	Exotic, common					*	*		**					
<i>Bischofia javanica</i>	Tree	Common, usually in Fung Shui wood, also planted									*			**	*
<i>Bischofia polycarpa</i>	Tree	Exotic, often planted										*			
<i>Blechnum orientale</i>	Herb	Very common								*	**	*			

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
<i>Bombax ceiba</i>	Tree	Exotic, commonly planted					*			**		*		**	**
<i>Bougainvillea spectabilis</i>	Climber	Exotic, common, often planted												**	***
<i>Brachiaria mutica</i>	Perennial herb	Exotic, common		***	****	****	****	**		**					**
<i>Brassica chinensis</i>	Biennial herb	Exotic, usually cultivated	**												
<i>Breynia fruticosa</i>	Shrub	Very common							*	**	*	*			
<i>Bridelia tomentosa</i>	Shrub/Small tree	Very common	*	*						**	**	**		**	*
<i>Brucea javanica</i>	Shrub or tree	Common									*				
<i>Byttneria aspera</i>	Climber	Very common									*				
<i>Caesalpinia crista</i>	Climber	Very common								**	*				
<i>Cajanus scarabaeoides</i>	Climber	Common													**
<i>Calliandra haematocephala</i>	Shrub	Exotic, common, often planted for ornamental purpose								**				***	
<i>Callistemon viminalis</i>	Tree	Exotic, often planted										*			
<i>Canna edulis</i>	Perennial herb	Exotic, usually cultivated								*					*
<i>Cansjera rheedii</i>	Climbing shrub	Restricted									*				
<i>Canthium dicoccum</i>	Tree	Common									*				
<i>Capsicum annuum</i>	Perennial herb	Exotic, often cultivated	*												
<i>Carallia brachiata</i>	Tree	Common									*				
<i>Carica papaya</i>	Tree	Exotic, widely cultivated	**					*		*	*				**
<i>Caryota maxima</i>	Tree palm	Exotic, commonly planted									*				*
<i>Cassytha filiformis</i>	Parasitic climber	Very common									*				
<i>Castanopsis fissa</i>	Tree	Common												*	
<i>Casuarina equisetifolia</i>	Tree	Exotic, often planted, apparently semi-naturalized in some places												**	
<i>Celtis sinensis</i>	Tree	Common, often planted	*	*			*	*		**	**	***		**	**
<i>Celtis timorensis</i>	Tree	Restricted									*	*			
<i>Centella asiatica</i>	Herb	Very common	*												
<i>Chenopodium album</i>	Herb	Restricted		*											
<i>Chenopodium ficifolium</i>	Herb	Restricted					*								
<i>Chloris barbata</i>	Perennial herb	Very common					*	*		**					*
<i>Cibotium barometz</i>	Herb	Very common. "Vulnerable" in China Red Data Book and State Protection (Category II); protected by Cap. 586						*							
<i>Cinnamomum burmannii</i>	Tree	Common, also widely planted	*	*							*	*			
<i>Cinnamomum camphora</i>	Tree	Common, also widely	*			*		*		*	***	***		**	**

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
		planted													
<i>Citrus maxima</i>	Tree	Exotic, widely cultivated for fruits												*	*
<i>Citrus reticulata</i>	Small tree	Exotic, widely cultivated for fruits	*												
<i>Clausena lansium</i>	Small tree	Exotic, common, widely cultivated for fruits	*	*				*			*			*	*
<i>Clerodendranthus spicatus</i>	Perennial herb	Exotic, common	*												
<i>Clerodendrum chinense</i>	Shrub	Common													*
<i>Clerodendrum cytophyllum</i>	Shrub or tree	Common									*				
<i>Clerodendrum fortunei</i>	Shrub	Common								**					
<i>Cocculus orbiculatus</i>	Climber	Common									*				
<i>Colocasia esculenta</i>	Herb	Common, often cultivated	**	**	**		*			*		*		**	**
<i>Commelina diffusa</i>	Herb	Common	**		****	****	***	**		*		*			
<i>Conyza canadensis</i>	Herb	Exotic, very common	**				*	**		**	*				*
<i>Conyza sumatrensis</i>	Herb	Exotic, very common	*				*	*		**			***		*
<i>Cordyline fruticosa</i>	Shrub	Exotic, often planted													*
<i>Cratogeomys cochinchinense</i>	Shrub/small tree	Very common								***	*	*			
<i>Crinum asiaticum</i> var. <i>sinicum</i>	Herb	Restricted			*										
<i>Crotalaria pallida</i>	Herb	Exotic, common								**				*	
<i>Cucurbita moschata</i>	Herbaceous vine	Exotic, often cultivated	**												
<i>Cuphea petiolata</i>	Shrub	Exotic, common								*					*
<i>Cuscuta chinensis</i>	Herb	Common		*											
<i>Cyclosorus interruptus</i>	Fern	Very common			****					*					
<i>Cyclosorus parasiticus</i>	Fern	Very common			*		*	*		*	*				*
<i>Cymbopogon caesius</i>	Perennial herb	Common, often cultivated	**												*
<i>Cynodon dactylon</i>	Perennial herb	Common	***			***	*	**						**	**
<i>Cyperus compressus</i>	Herb	Very common			*										
<i>Cyperus difformis</i>	Herb	Very common			*		*	*							
<i>Cyperus distans</i>	Herb	Common								*					
<i>Cyperus exaltatus</i>	Herb	Restricted					*								
<i>Cyperus involucratus</i>	Herb	Exotic, often planted but also naturally established				**		*		*					
<i>Cyperus imbricatus</i>	Herb	Common	**							**					
<i>Cyperus involucratus</i>	Herb	Exotic					*								
<i>Cyperus iria</i>	Herb	Common	*		*		*	**		*				*	
<i>Cyperus malaccensis</i>	Herb	Common				***	**			*					
<i>Cyperus nutans</i>	Herb	Common	*							*					
<i>Cyperus odoratus</i>	Herb	Exotic, Rare					*								
<i>Cyperus pilosus</i>	Herb	Common	*	*	*		*			*				*	

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
<i>Cyperus rotundus</i>	Herb	Very common								*					
<i>Cyrtococcum patens</i>	Herb	Very common				**	*			**	*				
<i>Dalbergia hancei</i>	Woody climber	Common									*				
<i>Delonix regia</i>	Tree	Exotic, common and often planted								*				**	**
<i>Desmodium heterocarpon</i>	Subshrub	Very common	**												
<i>Desmodium heterophyllum</i>	Herb	Common												**	**
<i>Desmodium tortuosum</i>	Subshrub	Exotic, common	*							*					*
<i>Desmos chinensis</i>	Shrub	Common								*	**	**		**	**
<i>Dianella ensifolia</i>	Herb	Very common									*	*			
<i>Dicranopteris pedata</i>	Herb	Very common							****	***	*	*		**	
<i>Digitaria ciliaria</i>	Herb	Very common	**							**				**	
<i>Digitaria sanguinalis</i>	Herb	Common		**				**		***					
<i>Dimocarpus longan</i>	Tree	Exotic, widely cultivated and semi-naturalized	*	*		*		*		*	**	**		**	**
<i>Dioscorea bulbifera</i>	Climber	Common									*				
<i>Dioscorea fordii</i>	Climber	Common									*				
<i>Dioscorea persimilis</i>	Climber	Restricted													*
<i>Dracaena</i> spp.	Shrub	Exotic, often planted						*							*
<i>Drymaria cordata</i>	Herb	Common					*	*							
<i>Duranta erecta</i>	Climber/shrub	Exotic, common and often planted for ornamental purpose								*					**
<i>Echinochloa colona</i>	Herb	Common	***	**		**	*	**		**					
<i>Echinochloa crusgalli</i>	Herb	Very common	*	**		**	**	**		**				**	
<i>Eclipta prostrata</i>	Perennial herb	Very common	*		*		*	**		*					
<i>Eichhornia crassipes</i>	Aquatic herb	Exotic, common					*			*					
<i>Eleocharis dulcis</i>	Herb	Exotic, common, often planted	**												
<i>Elephantopus scaber</i>	Perennial herb	Common								*					
<i>Eleusine indica</i>	Herb	Very common	***	**	*		**	**		**	**			**	**
<i>Embelia laeta</i>	Climber	Very common								**	**				
<i>Emilia sonchifolia</i>	Herb	Very common	*	*			*			*					*
<i>Eragrostis atrovirens</i>	Herb	Common	*							**					
<i>Eriobotrya japonica</i>	Small tree	Exotic, widely cultivated												*	*
<i>Eucalyptus citriodora</i>	Tree	Exotic, often planted				*				*		*		***	**
<i>Eucalyptus robusta</i>	Tree	Exotic, often planted												**	
<i>Eupatorium catarium</i>	Herb	Exotic, very common					**			**					
<i>Euphorbia hirta</i>	Herb	Exotic, very common					*	*		*				*	*
<i>Euphorbia hypericifolia</i>	Herb	Common								*					*
<i>Euphorbia thymifolia</i>	Herb	Very common												*	*
<i>Eurya chinensis</i>	Shrub	Very common								***					

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
<i>Ficus benjamina</i>	Tree	Exotic, common, often planted												**	**
<i>Ficus elastica</i>	Tree	Exotic, common, often planted										*		*	
<i>Ficus hirta</i>	Shrub/small tree	Common						*		**	*	*		*	
<i>Ficus hispida</i>	Shrub/small tree	Very common	**	**	*		*	*	*	***		***		***	***
<i>Ficus microcarpa</i>	Tree	Common and commonly planted	*							*	*	***		***	***
<i>Ficus pumila</i>	Climber	Very common								*		*			*
<i>Ficus subpisocarpa</i>	Tree	Common	*			*	*					*			
<i>Ficus variegata</i>	Tree	Common								*	*			*	*
<i>Ficus virens</i>	Tree	Common		*		*								**	**
<i>Fimbristylis aestivalis</i>	Herb	Restricted range, often found in wet area	*				*								
<i>Fimbristylis littoralis</i>	Herb	Very common			*										
<i>Fimbristylis sieboldii</i>	Herb	Common	*					*							
<i>Fimbristylis thomsonii</i>	Herb	Very common						*							
<i>Flueggea virosa</i>	Shrub	Common		*	*										
<i>Gnetum luofuense</i>	Woody climber	Very common; listed as "Near Threatened" in IUCN Red List of Threatened Species (IUCN 2012)									***				
<i>Gomphrena globosa</i>	Herb	Exotic, commonly planted													**
<i>Gynura bicolor</i>	Herb	Exotic, common					*								
<i>Hedychium coccineum</i>	Perennial herb	Exotic, usually planted								**					**
<i>Hedychium coronarium</i>	Perennial herb	Exotic, usually cultivated	**		*	***				**					
<i>Hedyotis auricularia</i>	Herb	Very common						*		*					*
<i>Hedyotis diffusa</i>	Herb	Very common	**				*	**		*				*	**
<i>Helicteres angustifolia</i>	Shrub	Very common			*					**					
<i>Heterosmilax japonica</i>	Climber	Common									*				
<i>Hibiscus rosa-sinensis</i>	Shrub	Exotic, often planted								*					**
<i>Hibiscus tiliaceus</i>	Shrub/Small tree	Very common	*			**						*		**	**
<i>Hylocereus undatus</i>	Herb	Exotic, common													*
<i>Ilex asprella</i>	Shrub	Very common								**	*	*			
<i>Ilex rotunda</i>	Tree	Exotic, common, also planted				**								**	
<i>Imperata cylindrica</i> var. <i>major</i>	Herb	Common								***				**	
<i>Ipomoea aquatica</i>	Herb	Exotic, very common	****	**	**	**				**					
<i>Ipomoea babatas</i>	Herb	Exotic, usually cultivated	**												
<i>Ipomoea cairica</i>	Climber/	Exotic, very common		**	**		***	**		**	*			**	**

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			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
	Twining herb														
<i>Ipomoea learii</i>	Climber	Exotic, common	*												
<i>Ipomoea obscura</i>	Climber	Common												*	
<i>Ipomoea triloba</i>	Herb	Common	**			**	**	**		**	*			**	**
<i>Ischaemum barbatum</i>	Herb	Very common			*				*						
<i>Juniperus chinensis</i>	Tree	Exotic, often planted for ornamental purpose													*
<i>Kyllinga brevifolia</i>	Herb	Common	*							**					
<i>Kyllinga monocephala</i>	Herb	Very common	***	**				**		**				**	
<i>Kyllinga polyphylla</i>	Herb	Exotic, common	*		*		*	***		*					
<i>Lactuca sativa</i>	Herb	Exotic, usually cultivated	**												
<i>Lagerstroemia speciosa</i>	Tree	Exotic, common, often planted										*		*	**
<i>Lantana camara</i>	Shrub	Exotic, very common		*	*		*	*		**	*		*	**	**
<i>Leptochloa chinensis</i>	Herb	Very common	*	*			*	*		*					
<i>Leucaena leucocephala</i>	Shrub/Small tree	Exotic, locally common, naturalized in disturbed areas	*	*	*		***	*		**	**	*		****	**
<i>Ligustrum sinense</i>	Shrub/Small tree	Common, also planted						*		**	**	**		*	
<i>Lindernia antipoda</i>	Herb	Common	**				*	**		**		*		*	**
<i>Lindernia dubia</i>	Herb	Exotic	*					*		*					
<i>Lindernia rotundifolia</i>	Herb	Restricted					*								
<i>Liquidambar formosana</i>	Tree	Common, also commonly planted												**	*
<i>Litchi chinensis</i>	Tree	Exotic, widely cultivated for fruits, also planted in fung shui woods	**	*						*	**	*	****	**	***
<i>Litsea cubeba</i>	Tree	Common									**				
<i>Litsea glutinosa</i>	Tree	Very common								**	***	**		**	
<i>Litsea monopetala</i>	Tree	Restricted								*					
<i>Litsea rotundifolia</i> i. <i>oblongifolia</i>	Tree	Very common							*	**	***	***			
<i>Livistona chinensis</i>	Tree palm	Exotic, common													**
<i>Lonicera japonica</i>	Climber	Restricted, but often found in forest margin													*
<i>Lophatherum gracile</i>	Herb	Very common									**			**	
<i>Lophostemon confertus</i>	Tree	Exotic, often planted							*					***	
<i>Ludwigia hyssopifolia</i>	Herb	Common					**								
<i>Ludwigia octovalvis</i>	Perennial herb	Common		*	*		*	*		*					
<i>Ludwigia perennis</i>	Perennial herb	Common	**	*	**	**	*	*		*				*	*
<i>Lycium chinense</i>	Shrub	Exotic, often cultivated	*												
<i>Lygodium japonicum</i>	Climber	Very common							*	***	*	*			
<i>Lygodium scandens</i>	Climber	Common									*				



Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
<i>Macaranga tanarius</i> var. <i>tomentosa</i>	Tree	Common, often widely planted	*	*	*	*	*	*		***	**	**		***	***
<i>Machilus chekiangensis</i>	Tree	Very common									*				
<i>Macroptilium lathyroides</i>	Herb	Exotic, common					***				*				
<i>Macrothelypteris torresiana</i>	Herb	Very common									*			*	
<i>Maesa perlaris</i>	Shrub	Common									**				
<i>Mallotus paniculatus</i>	Shrub/small tree	Very common								*	**	**			
<i>Malvastrum coromandelianum</i>	Shrub	Common								**					*
<i>Mangifera indica</i>	Tree	Exotic, widely cultivated for fruits	*	*				*		*	*			*	**
<i>Manihot esculenta</i>	Shrub	Exotic, often cultivated	**							*					*
<i>Manilkara zapota</i>	Tree	Exotic, often planted													*
<i>Mariscus cyperoides</i>	Herb	Common	*												
<i>Melaleuca cajuputi</i> subsp. <i>cumingiana</i>	Tree	Exotic, commonly planted							*	*		*		**	**
<i>Melastoma candidum</i>	Shrub	Common							*	**		*		*	
<i>Melia azedarach</i>	Tree	Exotic, commonly planted				*				*	*	*		**	**
<i>Melicope pteleifolia</i>	Shrub/small tree	Common						*				*			
<i>Melinis repens</i>	Herb	Exotic, very common								**	*				
<i>Merremia hederacea</i>	Herbaceous climber	Common	**				*	*							*
<i>Michelia x alba</i>	Tree	Exotic, planted								*				*	
<i>Microcos nervosa</i>	Tree	Common								*	***	***		***	**
<i>Microstegium ciliatum</i>	Herb	Very common						***			*				
<i>Mikania micrantha</i>	Climbing herb	Exotic, very common	***	**	**	**	***	*		***	*	**		**	**
<i>Mimosa pudica</i>	Herb	Exotic, very common	*	*	*	*	**	*	*	**				*	*
<i>Miscanthus sinensis</i>	Herb	Very common	*	*			*			***		*			
<i>Morinda parvifolia</i>	Climbing shrub	Very common								*					
<i>Morus alba</i>	Tree	Common, semi-naturalized in HK					*	*		*				*	*
<i>Murraya paniculata</i>	Tree	Exotic, often planted													*
<i>Musa x paradisiaca</i>	Herb	Exotic, common, often cultivated for fruits	**	*	*			*		*	*			*	**
<i>Mussaenda pubescens</i>	Climbing shrub	Very common								*	*	*			
<i>Myrica rubra</i>	Tree	Common								*					
<i>Nasturtium officinale</i>	Aquatic herb	Exotic, often cultivated	***												
<i>Nelumbo nucifera</i>	Aquatic herb	Exotic, commonly planted	*			**									
<i>Nephrolepis</i> spp.	Herb	Common										*			
<i>Neyraudia reynaudiana</i>	Herb	Very common		**			*		*	***	*				

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
<i>Oenanthë javanica</i>	Herb	Restricted	*												
<i>Oryza sativa</i>	Herb	Exotic, often cultivated	**												
<i>Oxalis corniculata</i>	Perennial herb	Very common	**												*
<i>Paederia scandens</i>	Climber	Very common	*	*				*		*	*	*			**
<i>Panicum maximum</i>	Herb	Exotic, very common	***	***	***		***	**		***		*	**	*	*
<i>Panicum dichotomiflorum</i>	Perennial herb	Common	***	**				**		**					
<i>Panicum repens</i>	Perennial herb	Very common	**							*					
<i>Paraixeris denticulata</i>	Biennial herb	Common								*					
<i>Paspalum conjugatum</i>	Herb	Exotic, common	***		**					**		*			*
<i>Paspalum distichum</i>	Herb	Common			***					**					
<i>Paspalum notatum</i>	Herb	Exotic, planted					***								
<i>Paspalum scrobiculatum</i> var. <i>orbiculare</i>	Herb	Very common					*								
<i>Passiflora foetida</i>	Herbaceous climber	Exotic, very common					*								
<i>Pennisetum alopecuroides</i>	Herb	Common			**					**					*
<i>Pennisetum purpureum</i>	Herb	Exotic, very common			****		**	**		**				*	
<i>Pericampylus glaucus</i>	Climber	Restricted, but often found in lowland forest and <i>fung shui</i> wood												*	
<i>Phragmites australis</i>	Herb	Very common			***			*		**					
<i>Phragmites karka</i>	Herb	Very common		*	**										
<i>Phyllanthus cochinchinensis</i>	Shrub	Common								*	*	*			
<i>Phyllanthus emblica</i>	Shrub/small tree	Very common								**		*		*	
<i>Phyllanthus reticulatus</i>	Shrub	Common									*				
<i>Phyllanthus urinaria</i>	Herb	Common								*		*			
<i>Phyllodium pulchellum</i>	Shrub	Very common								*					
<i>Pilea microphylla</i>	Herb	Exotic, very common					*	*							
<i>Pinus elliottii</i>	Tree	Exotic, often planted in plantation								**	*			*	
<i>Pinus massoniana</i>	Tree	Common, often planted in plantation								**					
<i>Plumeria rubra</i>	Tree	Exotic, often planted										*			*
<i>Polygonum barbatum</i>	Herb	Common	*												
<i>Polygonum chinensis</i>	Herb	Very common	**					**			*	*		*	
<i>Polygonum glabrum</i>	Herb	Restricted	*				*			*					
<i>Polygonum lapathifolium</i>	Herb	Common	**	*			*			**					
<i>Polygonum japonicum</i>	Herb	Regarded as Very Rare in Xing <i>et al.</i> (2000), widely established in HK in			**		**								

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
		recent years													
<i>Polygonum perfoliatum</i>	Climbing herb	Common	**					**		*					*
<i>Portulaca oleracea</i>	Herb	Very common	*							*				*	*
<i>Pouzolzia zeylanica</i>	Herb	Common					*								
<i>Praxelis clematidea</i>	Herb	Exotic, very common						*					***		
<i>Prunus persica</i>	Tree	Exotic, planted													*
<i>Psidium guajava</i>	Tree	Exotic, common, often planted	*							*				*	*
<i>Psychotria asiatica</i>	Shrub/small tree	Very common									**	**		*	
<i>Pteridium aquilinum</i> var. <i>latiusculum</i>	Herb	Common						*							
<i>Pteris biaurita</i>	Herb	Common						*							
<i>Pteris semipinnata</i>	Herb	Very common									*				
<i>Pteris</i> spp.	Herb	Very common								*					
<i>Pteris vittata</i>	Herb	Very common					*								
<i>Pueraria lobata</i>	Climber	Very common	**	*			*			*	*				
<i>Pycreus flavidus</i>	Herb	Common			*										
<i>Pycreus polystachyus</i>	Herb	Very common	*							*					
<i>Pycreus sanguinolentus</i>	Herb	Regarded as rare in Xing <i>et al.</i> (2000) but often found in wet areas												*	
<i>Rhaphiolepis indica</i>	Shrub/small tree	Very common								***	*			*	
<i>Rhododendron simsii</i> #	Shrub	Very common, wild population is protected by Cap. 96, often planted					*							*	
<i>Rhodomyrtus tomentosa</i>	Shrub	Very common, also planted								**		*			*
<i>Rhus chinensis</i>	Shrub/small tree	Common								***	*	*			
<i>Rhus hypoleuca</i>	Tree	Common			*					*	*	*			
<i>Rhus succedanea</i>	Shrub/small tree	Common							*	***	**			*	
<i>Ricinus communis</i>	Shrub	Exotic, restricted	*		*					*					
<i>Rorippa indica</i>	Herb	Common						*							
<i>Rourea minor</i>	Woody climber	Common									*	*			
<i>Saccharum officinarum</i>	Perennial herb	Exotic, often cultivated	*												
<i>Sageretia thea</i>	Shrub	Common									*	*			
<i>Sagittaria sagittifolia</i> subsp. <i>leucopetala</i>	Herb	Restricted, often planted	*												
<i>Salix babylonica</i>	Tree	Exotic, often planted	*											*	
<i>Sansevieria trifasciata</i>	Perennial herb	Exotic, often planted													*
<i>Sapium discolor</i>	Tree	Very common									*				

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
<i>Sapium sebiferum</i>	Tree	Common	*	**				*			*	**		**	**
<i>Schefflera heptaphylla</i>	Tree	Very common									*	*		**	
<i>Scoparia dulcis</i>	Herb	Exotic, common	*				*			*					*
<i>Selaginella uncinata</i>	Herb	Common						*							*
<i>Senecio scandens</i>	Herbaceous climber	Common									*				
<i>Senna alata</i>	Shrub	Exotic, often planted												**	
<i>Senna surattensis</i>	Shrub/small tree	Exotic, often planted						*				*		**	
<i>Sesbania cannabina</i>	Herb	Exotic, common		**			***			**				*	
<i>Setaria glauca</i>	Herb	Very common								*					
<i>Setaria palmifolia</i>	Herb	Common								*					
<i>Sida acuta</i>	Subshrub	Common													*
<i>Smilax china</i>	Climber/shrub	Very common								*					
<i>Smilax glabra</i>	Climber/shrub	Very common										*			
<i>Solanum americanum</i>	Herb	Exotic, very common					*								
<i>Solanum melongena</i>	Herb/subshrub	Exotic, often cultivated	*												
<i>Solanum nigrum</i>	Herb	Common	*					*			*			*	
<i>Solanum torvum</i>	Shrub	Common	*	*	*		*			*	*			*	*
<i>Sonchus oleraceus</i>	Herb	Exotic, very common						*							
<i>Spermacoce stricta</i>	Herb	Restricted					*								
<i>Spilanthes grandiflora</i>	Herb	Restricted					*								
<i>Spilanthes paniculata</i>	Herb	Common					**			**					
<i>Stachytarpheta jamaicensis</i>	Herb	Exotic, common									*				
<i>Stephania longa</i>	Climber	Common									**				**
<i>Sterculia lanceolata</i>	Tree	Very common									***	***		*	
<i>Strobilanthes cusia</i>	Herb	Common								*					
<i>Strophanthus divaricatus</i>	Climber	Common								**			*		
<i>Syngonium podophyllum</i>	Herb	Exotic, often planted						**							
<i>Syzygium cumini</i>	Tree	Exotic												*	
<i>Syzygium hancei</i>	Tree/Fung shui wood	Common													*
<i>Syzygium jambos</i>	Tree	Exotic, common, in Fung Shui wood, also planted	*					*		*	*	**		**	
<i>Tadehagi triquetrum</i>	Shrub	Very common								**					
<i>Terminalia catappa</i>	Tree	Exotic, regarded as Rare in Xing <i>et al.</i> (2000) but widely cultivated				*								*	
<i>Tetracera asiatica</i>	Woody climber	Very common								*	*				
<i>Tetradium glabrifolium</i>	Tree	Common								*					

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MA	MW	CS	NS	GR	GR/SH <sup>3</sup>	FSW	SecW	OR	PL/MP	VA/UR
<i>Thuja orientalis</i>	Tree	Exotic, often planted													*
<i>Tinospora sagittata</i>	Climber	Common									*				
<i>Torulinum odoratum</i>	Herb	Exotic, common	*	*			*			*					
<i>Toxocarpus wightianus</i>	Slender woody climber	Very common									*				
<i>Trapa natans</i>	Herb	Exotic, often cultivated	*												
<i>Trema tomentosa</i>	Shrub/small tree	Common	*							*	*	*			
<i>Tridax procumbens</i>	Herb	Exotic, very common								*					
<i>Typha angustifolia</i>	Herb	Exotic					*								
<i>Urena lobata</i>	Herb/shrub	Common								*					
<i>Uvaria macrophylla</i>	Climbing shrub	Common									**				
<i>Vernonia cinerea</i>	Herb	Very common	*								*			*	
<i>Vigna unguiculata subsp. sesquipedalis</i>	Climbing Vein	Exotic, often cultivated	*												
<i>Vitex quinata</i>	Tree	Common				**						**			*
<i>Wedelia chinensis</i>	Herb	Common	**												
<i>Wedelia trilobata</i>	Perennial herb	Exotic, common, widely planted	**	**	*		*	**		**	*	*		*	***
<i>Wikstroemia indica</i>	Shrub	Common								*	*				
<i>Youngia japonica</i>	Herb	Very common	*					*							
<i>Zanthoxylum nitidum</i>	Climbing shrub	Very common									*	*			
<i>Zea mays</i>	Herb	Exotic, often cultivated	**												
<i>Zingiber officinale</i>	Perennial herb	Exotic, often cultivated	**												
<b>Total</b>		<b>370</b>	<b>119</b>	<b>50</b>	<b>44</b>	<b>30</b>	<b>85</b>	<b>84</b>	<b>14</b>	<b>174</b>	<b>116</b>	<b>79</b>	<b>7</b>	<b>111</b>	<b>118</b>

**Note:**

1. Plant status based on Xing *et al.* (2000) and other relevant botanical reviews.
2. Habitats: WA/DA = Wet Agricultural Land/Dry Agricultural Land; PO = Pond; MA = Marsh; MW = Mitigation Wetland; CS = Channelised Stream; NS = Natural Stream; GR = Grassland; GR/SH = Grassland/Shrubland; FSW = *Fung Shui* Wood; SecW = Secondary Woodland; OR = Orchard; PL/MP = Plantation/Mitigation Plantation; VA/UR = Village Area/Urban/Residential Area. No records from habitat types not listed.
3. Due to the difficulty in defining the actual boundary of the hillside habitats (Grassland, Grassland/Shrubland and Shrubland) during survey, data from the three habitats are grouped in one category, which also includes botanical data from lowland grassland and seasonally wet grassland.

**Key:**

Abundance: \* = Scarce; \*\* = Often recorded; \*\*\* = Abundant; \*\*\*\* = Very abundant  
# = considered to be planted, and thus excluded from further assessment.

**Appendix 13.1.3.** Vegetation recorded within the Fanling North NDA and observations during further surveys for this Study.

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Abelmoschus moschatus</i>	Herb	Restricted	**												
<i>Acacia auriculiformis</i>	Tree	Exotic, common, often planted in plantation			**	*	***			*	*		**		
<i>Acacia confusa</i>	Tree	Exotic, common, often planted in plantation			**	*	***		*	*			***		****
<i>Acacia mangium</i>	Tree	Exotic, common, often planted in plantation			**								*		***
<i>Aeschynomene indica</i>	Herb	Very common			**		**						*		
<i>Ageratum conyzoides</i>	Herb	Exotic, very common	***		****					**					
<i>Aglaia odorata</i>	Shrub/small tree	Exotic, often planted for ornamental purpose											**		**
<i>Aglaonema modestum</i>	Perennial herb	Exotic, planted													*
<i>Albizia lebbek</i>	Tree	Exotic, common, often planted								**			***		****
<i>Aleurites moluccana</i>	Tree	Exotic, commonly planted											***		****
<i>Allamanda cathartica</i>	Climbing shrub	Exotic, commonly planted													*
<i>Allamanda schottii</i>	Shrub	Exotic, commonly planted													*
<i>Alangium chinense</i>	Tree	Common							*		*		*		
<i>Allium fistulosum</i>	Herb	Exotic, often cultivated	*												
<i>Allium tuberosum</i>	Herb	Exotic, often cultivated	*												
<i>Alocasia macrorrhizos</i>	Perennial herb	Very common		*		*	*	***	*	*	**		*		*
<i>Aloe vera</i> var. <i>chinensis</i>	Herb	Exotic, commonly cultivated	*												
<i>Alpinia zerumbet</i> cv. <i>Variegata</i>	Perennial herb	Exotic, commonly cultivated													**
<i>Alternanthera philoxeroides</i>	Perennial herb	Exotic, common			**		*			**			*		
<i>Alternanthera sessilis</i>	Perennial herb	Common					*	**							**
<i>Amaranthus spinosus</i>	Herb	Exotic, common					*	*		*		*			
<i>Amaranthus tricolor</i>	Herb	Exotic, cultivated								*					
<i>Amaranthus viridis</i>	Herb	Very Common	**							*		*	*		*
<i>Annona squamosa</i>	Tree	Exotic, commonly planted	*												
<i>Antidesma buniis</i>	Tree	Common									*				
<i>Antirhea chinensis</i>	Shrub/small tree	Very common								*	*				
<i>Aporosa dioica</i>	Tree	Very common							*	**	***		**		
<i>Aquilaria sinensis</i>	Tree	Common, Protected under Cap. 586, listed as Near Threatened (NT) in the											*		

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
		China Plant Red Data Book and is under State protection (Category II) in China (AFCD 2003), classified as Critically Endangered (CR) on the IUCN Red List													
<i>Arachis hypogaea</i>	Herb	Exotic, often planted	**												
<i>Aralia armata</i>	Tree	Restricted											*		
<i>Araucaria heterophylla</i>	Tree	Exotic, commonly planted											**		**
<i>Archidendron clypearia</i>	Tree	Common									**				
<i>Archidendron lucidum</i>	Tree	Common							*						
<i>Archontophoenix alexandrae</i>	Tree palm	Exotic, often planted													**
<i>Ardisia quinquegona</i>	Tree	Very common									*				
<i>Artocarpus heterophyllus</i>	Tree	Exotic, commonly planted for fruits											*		*
<i>Aster subulatus</i>	Perennial herb	Exotic	**	*			*								
<i>Averrhoa carambola</i>	Small tree	Exotic, planted for fruits													*
<i>Baeckea frutescens</i>	Shrub	Common							**	***					
<i>Bambusa beecheyana</i>	Clumped tree bamboo	Exotic, common						*							
<i>Bambusa eutuldoides</i>	Clumped tree bamboo	Exotic, common						*		*					**
<i>Bambusa multiplex</i>	Clumped tree bamboo	Exotic, common			*			*		*			*		
<i>Bambusa</i> spp.		Exotic, common								*			*		*
<i>Bambusa vulgaris</i> cv. <i>Vittata</i>	Clumped tree bamboo	Exotic, common													*
<i>Basella alba</i>	Climber: Twining vine	Exotic, restricted, cultivated and naturalized								*					
<i>Bauhinia blakeana</i>	Tree	Common, often planted													***
<i>Bauhinia variegata</i>	Tree	Exotic, common in planting								*	*		**		***
<i>Benincasa hispida</i>	Herbaceous vine	Exotic, cultivated	**												
<i>Berchemia floribunda</i>	Climber	Common									*				
<i>Berchemia lineata</i>	Climbing shrub	Rare, found in shrubland and shore								*					
<i>Bidens alba</i>	Herb	Exotic, very common	**	**	****	**	****	***	**	**		**	**	***	**
<i>Bidens pilosus</i>	Herb	Exotic, common										**		**	
<i>Bischofia polycarpa</i>	Tree	Exotic, often planted								**			**		
<i>Blechnum orientale</i>	Herb	Very common						*	*	*	*		**		
<i>Blumea megacephala</i>	Herb	Common								*	*		**		
<i>Boehmeria nivea</i>	Shrub	Restricted					*						*		*

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Bombax ceiba</i>	Tree	Exotic, commonly planted			*		*			*			**		**
<i>Bothriochloa bladhii</i>	Herb	Very common							***						
<i>Bothriochloa ischaemum</i>	Herb	Common											*		
<i>Bougainvillea spectabilis</i>	Climbing shrub	Exotic, common, often planted											**		***
<i>Brachiaria mutica</i>	Perennial herb	Exotic, common	***	***	****	***	****	**	**	**			***	**	**
<i>Breynia fruticosa</i>	Shrub	Very common							*	**	*				
<i>Bridelia tomentosa</i>	Shrub/Small tree	Very common		*					*	*	*		**		**
<i>Brucea javanica</i>	Shrub or tree	Common									*				
<i>Brunfelsia calycina</i>	Shrub	Exotic, often planted for ornamental purpose											*		*
<i>Byttneria aspera</i>	Woody climber	Very common									*				
<i>Caesalpinia crista</i>	Climber	Very common						*							
<i>Calliandra haematocephala</i>	Shrub	Exotic, common, often planted for ornamental purpose													***
<i>Callicarpa nudiflora</i>	Tree	Common									*				
<i>Callistemon viminalis</i>	Tree	Exotic, often planted													*
<i>Capsicum annuum</i>	Perennial herb	Exotic, often cultivated	*												
<i>Capsicum annuum</i> var. <i>conoides</i>	Perennial herb	Exotic, often cultivated	*												
<i>Carica papaya</i>	Tree	Exotic, widely cultivated	**	*						*					**
<i>Carmona microphylla</i>	Shrub	Exotic													**
<i>Caryota maxima</i>	Tree palm	Exotic, commonly planted											*		*
<i>Cassia alata</i>	Shrub	Exotic, often planted								*					
<i>Cassytha filiformis</i>	Parasitic climber	Very common								*					
<i>Casuarina equisetifolia</i>	Tree	Exotic, often planted, apparently semi-naturalized in the nature											***		***
<i>Catharanthus roseus</i>	Herb	Exotic, common	*												**
<i>Celtis sinensis</i>	Tree	Common, often planted	*	*			*		*	*	***		***		***
<i>Cenchrus echinatus</i>	Herb	Exotic, common								*					
<i>Chenopodium album</i>	Herb	Restricted	*							*		*			
<i>Chloris barbata</i>	Perennial herb	Very common			**		**		*	*			*	**	
<i>Chloris formosana</i>	Herb	Common					**								
<i>Dyopsis lutescens</i>	Shrub palm	Exotic, often planted													**
<i>Chukrasia tabularia</i>	Tree	Exotic, often planted													***
<i>Cinnamomum camphora</i>	Tree	Common, also widely			*			*		*	***		**		***



Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
		planted													
<i>Citrus maxima</i>	Tree	Exotic, widely cultivated for fruits	*									*			*
<i>Claoxylon indicum</i>	Tree	Common									*				
<i>Clausena lansium</i>	Small tree	Exotic, common, fruit tree often planted, widely cultivated	*							*		***	*		*
<i>Clerodendrum cyrtophyllum</i>	Shrub/Tree	Common								**					
<i>Clerodendrum thomsonae</i>	Shrub	Exotic, planted													*
<i>Codiaeum variegatum</i>	Shrub	Exotic, often planted											**		**
<i>Colocasia esculenta</i>	Herb	Common, often cultivated	**	*	*	*	*		*	**					**
<i>Commelina diffusa</i>	Herb	Common		*	*		*	**							
<i>Conyza canadensis</i>	Herb	Exotic, very common					*			**		*	*		*
<i>Conyza sumatrensis</i>	Herb	Exotic, very common	**				**		*						*
<i>Cordia dichotoma</i>	Tree	Restricted, usually found in lowland forest and fung shui woods, also planted											*		
<i>Cordyline fruticosa</i>	Shrub	Exotic, often planted													*
<i>Coriandrum sativum</i>	Herb	Exotic, cultivated	*												
<i>Cratogeomys cochinchinense</i>	Shrub/small tree	Very common								*	**		**		
<i>Crassocephalum crepidioides</i>	Herb	Exotic, common							*						
<i>Cucurbita moschata</i>	Herbaceous vine	Exotic, often cultivated	*												
<i>Cuphea petiolata</i>	Shrub	Exotic, common								*					*
<i>Curcuma aromatica</i>	Perennial herb	Often planted in village	**							*					
<i>Cuscuta chinensis</i>	Parasitic herb	Common					*	*		**		*	*		*
<i>Cyclosorus interruptus</i>	Fern	Very common					*			**					
<i>Cyclosorus parasiticus</i>	Fern	Very common							*		*				
<i>Cymbopogon caesius</i>	Perennial herb	Common, often cultivated	*												*
<i>Cynodon dactylon</i>	Perennial herb	Common	***		**		***		**	**			*	**	**
<i>Cyperus difformis</i>	Herb	Very common			*		*								
<i>Cyperus distans</i>	Herb	Common							*						
<i>Cyperus involucratus</i>	Herb	Exotic, often planted, also naturally established			**				*				*		
<i>Cyperus haspan</i>	Herb	Common			*		*								
<i>Cyperus involucratus</i>	Herb	Exotic					*								
<i>Cyperus iria</i>	Herb	Common	*				*			*					
<i>Cyperus malaccensis</i>	Herb	Common			***		*								

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Cyperus odoratus</i>	Herb	Exotic, rare					*								
<i>Cyperus pilosus</i>	Herb	Common					*								
<i>Cyperus rotundus</i>	Herb	Very common			*					*					
<i>Cyrtococcum patens</i>	Herb	Very common					*		*		*				
<i>Dalbergia benthamii</i>	Woody climber	Common						*			*				
<i>Delonix regia</i>	Tree	Exotic, common and often planted									*		**		**
<i>Desmodium gangeticum</i>	Subshrub	Common					*								
<i>Desmodium heterocarpon</i>	Subshrub	Very common			**					**					
<i>Desmos chinensis</i>	Subshrub	Common									**		*		
<i>Dianella ensifolia</i>	Herb	Very common						*	*				*		
<i>Dicranopteris pedata</i>	Herb	Very common						*	****	****	*		***		
<i>Digitaria ciliaris</i>	Herb	Very common													*
<i>Digitaria sanguinalis</i>	Herb	Common											*		*
<i>Dimocarpus longan</i>	Tree	Exotic, widely cultivated and semi-naturalized	*	*						*	**	***	***		***
<i>Dioscorea bulbifera</i>	Climber	Common					*				*				
<i>Dioscorea fordii</i>	Climber	Common	*								*				
<i>Dracaena sanderiana</i>	Shrub	Exotic, often planted											*		*
<i>Drymaria cordata</i>	Herb	Common					*								
<i>Drymaria diandra</i>	Herb	Common								*					
<i>Duranta erecta</i>	Climber/shrub	Exotic, common and often planted for ornamental purpose													**
<i>Echinochloa colona</i>	Herb	Common	**		**		**								
<i>Eclipta prostrata</i>	Perennial herb	Very common	*		*		*								
<i>Eichhornia crassipes</i>	Perennial herb	Exotic, common		****	***			*							
<i>Elephantopus scaber</i>	herb	Common							*						
<i>Eleusine indica</i>	Herb	Very common	***				*						***		**
<i>Embelia laeta</i>	Climber	Very common							*	*	**				
<i>Emilia sonchifolia</i>	Herb	Very common	*							*					
<i>Eriobotrya japonica</i>	Small tree	Exotic, widely cultivated											*		*
<i>Eriochloa procera</i>	Herb	Restricted					*								
<i>Erythrina variegata</i>	Tree	Exotic, often planted								*					
<i>Eucalyptus camaldulensis</i>	Tree	Exotic, often planted											****		
<i>Eucalyptus citriodora</i>	Tree	Exotic, commonly planted					***								
<i>Eucalyptus robusta</i>	Tree	Exotic, often planted			**					**			**		***
<i>Eucalyptus</i> spp.	Tree	Exotic, commonly planted									*				
<i>Eupatorium catarium</i>	Herb	Exotic, very common					**			**					*
<i>Euphorbia hirta</i>	Herb	Exotic, very common	*		*		*			*					

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Euphorbia thymifolia</i>	Herb	Very common								*					**
<i>Ficus benjamina</i>	Tree	Exotic, common, often planted											*		***
<i>Ficus elastica</i>	Tree	Exotic, common, often planted					*						*		**
<i>Ficus hirta</i>	Shrub/small tree	Common					*		*	**	*				
<i>Ficus hispida</i>	Shrub/small tree	Very common		**	**		*	**	*	***	*		**		***
<i>Ficus microcarpa</i>	Tree	Common and commonly planted	*		*		*			*	**		***		***
<i>Ficus pumila</i>	Climber	Very common					*				*		**		*
<i>Ficus religiosa</i>	Tree	Exotic, restricted species but widely planted and locally naturalized											*		*
<i>Ficus subpisocarpa</i>	Tree	Common								*			**		**
<i>Ficus variegata</i>	Tree	Common					*			*	**		**		**
<i>Ficus virens</i>	Tree	Common			*		*			*			***		**
<i>Flueggea virosa</i>	Shrub	Common				*			*	*			*		*
<i>Glochidion eriocarpum</i>	Shrub	Very common								**	*				
<i>Glochidion lanceolarium</i>	Shrub	Common							*						
<i>Gnetum luofuense</i>	Woody climber	Very common; listed as "Near Threatened" in IUCN Red List of Threatened Species (IUCN 2012)									**				
<i>Gomphrena globosa</i>	Herb	Exotic, often planted	*												
<i>Grevillea robusta</i>	Tree	Exotic, often planted													**
<i>Hedychium coronarium</i>	Perennial herb	Exotic, usually cultivated			***					**			*		**
<i>Hedyotis acutangula</i>	Herb	Very common								*					
<i>Hedyotis diffusa</i>	Herb	Very common	*												
<i>Helicteres angustifolia</i>	Subshrub	Very common						*	*	*					
<i>Hibiscus rosa-sinensis</i>	Shrub	Exotic, often planted								*			**		***
<i>Hibiscus tiliaceus</i>	Shrub/Small tree	Very common					*			*					**
<i>Hydrocotyle sibthorpioides</i>	Herb	Common					*								
<i>Hylocereus undatus</i>	Herb	Exotic, common								*					*
<i>Ilex asprella</i>	Shrub	Very common								**	**				
<i>Imperata cylindrica</i> var. <i>major</i>	Herb	Common			****	****			***	***					
<i>Inula cappa</i>	Subshrub	Common								*					
<i>Ipomoea aquatica</i>	Herb	Exotic, very common	**		*										
<i>Ipomoea babatas</i>	Herb	Exotic, usually cultivated	**												

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Ipomoea cairica</i>	Climber/ Twining herb	Exotic, very common	**	*	***	**	**	*	**	**			*		***
<i>Ipomoea triloba</i>	Herb	Common			**		*	*		*			*		**
<i>Ischaemum barbatum</i>	Herb	Common							**	*					
<i>Ixora chinensis</i>	Shrub	Restricted, widely cultivated													**
<i>Ixora coccinea</i>	Shrub	Exotic, often planted													**
<i>Jasminum sambac</i>	Climbing shrub	Exotic, often planted													*
<i>Juniperus chinensis</i>	Tree	Exotic, often planted for ornamental purpose											**		**
<i>Kalanchoe blossfeldiana</i>	Perennial herb	Exotic, often planted													*
<i>Kalimeris indica</i>	Herb	Restricted	**							*					
<i>Kyllinga brevifolia</i>	Herb	Common	**		**					**					
<i>Kyllinga nemoralis</i>	Herb	Very common	*		*		*			*					
<i>Kyllinga polyphylla</i>	Herb	Exotic, common			***	*	***		*	**			***		
<i>Lactuca sativa</i>	Herb	Exotic, usually cultivated	**												
<i>Lagerstroemia indica</i>	Shrub	Exotic, regarded as Rare in Xing <i>et al.</i> (2000) but often planted in urban areas.													**
<i>Lagerstroemia speciosa</i>	Tree	Exotic, common, often planted			**								**		***
<i>Lantana camara</i>	Shrub	Exotic, very common		*	**		*	*	*	**	*	*	**		**
<i>Leersia hexandra</i>	Herb	Common			**		***								
<i>Leonurus japonicus</i>	Herb	Restricted	*												
<i>Lepironia articulata</i>	Herb	Exotic, often planted			**										
<i>Leptochloa chinensis</i>	Herb	Very common	*												
<i>Leucaena leucocephala</i>	Shrub/Small tree	Exotic, locally common, naturalized in disturbed areas			**	*	***	*	***	**			***	**	***
<i>Ligustrum sinense</i>	Shrub/Small tree	Common, also planted								*	**		**		**
<i>Lindernia antipoda</i>	Herb	Common	*				*								
<i>Liquidambar formosana</i>	Tree	Common, also commonly planted			*			*							**
<i>Litchi chinensis</i>	Tree	Exotic, widely cultivated for fruits, also planted in fung shui wood	**	**						**		****	**		***
<i>Litsea cubeba</i>	Tree	Common						*		*	**				**
<i>Litsea glutinosa</i>	Tree	Very common			*					**	**		**		**
<i>Litsea monopetala</i>	Tree	Restricted species in fung shui wood and lowland forest, sometimes planted													*
<i>Litsea rotundifolia</i> var.	Tree	Very common						*		**	***		**		

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>oblongifolia</i>															
<i>Livistona chinensis</i>	Tree palm	Exotic, common											**		****
<i>Lobelia chinensis</i>	Herb	Common	*												
<i>Lonicera japonica</i>	Climber	Restricted, but often found in forest margin								*	**				
<i>Lophatherum gracile</i>	Herb	Very common								***	***				
<i>Lophostemon confertus</i>	Tree	Exotic, often planted					***	*		*			**		***
<i>Ludwigia hyssopifolia</i>	Herb	Common					*								
<i>Ludwigia octovalvis</i>	Perennial herb	Common		*	*		*	*							
<i>Ludwigia perennis</i>	Perennial herb	Common			*										
<i>Lycium chinense</i>	Shrub	Exotic, often cultivated													*
<i>Lycopersicon esculentum</i>	Herb	Exotic, cultivated	**												
<i>Lygodium japonicum</i>	Climber	Very common						*	**	**	*		*		
<i>Lygodium scandens</i>	Climber	Common							*		*				
<i>Macaranga tanarius</i> var. <i>tomentosa</i>	Tree	Common, often widely planted	*	**	*		*	*	*	*	*	*	*		**
<i>Machilus chekiangensis</i>	Tree	Very common									**		*		
<i>Macroptilium lathyroides</i>	Herb	Exotic, common			**		**		*	*			*		
<i>Macrothelypteris torresiana</i>	Herb	Very common									*		*		*
<i>Maesa perlaris</i>	Shrub	Common									*		*		
<i>Mallotus paniculatus</i>	Shrub/small tree	Very common									**		*		
<i>Malvastrum coromandelianum</i>	Shrub	Common											*		*
<i>Mangifera indica</i>	Tree	Exotic, widely cultivated for fruits	*							*		*	*		**
<i>Manihot esculenta</i>	Shrub	Exotic, often cultivated	**										*		*
<i>Manilkara zapota</i>	Tree	Exotic, often planted											*		
<i>Maranta arundinacea</i>	Perennial herb	Exotic	**												
<i>Mariscus javanicus</i>	Herb	Common			*										
<i>Melaleuca cajuputi</i> subsp. <i>cumingiana</i>	Tree	Exotic, commonly planted						***	*				***		***
<i>Melastoma candidum</i>	Shrub	Common					*			***	**				
<i>Melastoma dodecandrum</i>	Subshrub	Common								**					
<i>Melia azedarach</i>	Tree	Exotic, commonly planted						*		*	*		**		**
<i>Melicope pteleifolia</i>	Shrub/small tree	Common								*	**		*		
<i>Melinis repens</i>	Herb	Exotic, very common			***		**						*	**	
<i>Mentha canadensis</i>	Herb	Restricted, usually cultivated	*												
<i>Metasequoia glyptostroboides</i>	Tree	Exotic, planted			*										

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Michelia x alba</i>	Tree	Exotic, planted											*		*
<i>Microcos nervosa</i>	Shrub/small tree	Common						*			***		**		**
<i>Microstegium ciliatum</i>	Herb	Very common		****		**	***	*	**	***	*		**		
<i>Mikania micrantha</i>	Climbing herb	Exotic, very common	*	**	**	**	***	*	**	**	*	*	**	**	**
<i>Millettia pulchra</i>	Tree	Restricted											*		
<i>Mimosa pudica</i>	Herb	Exotic, very common			***	*	**		*	**			*		*
<i>Miscanthus floridulus</i>	Herb	Common						*	*	**	*				
<i>Miscanthus sinensis</i>	Herb	Very common	*				*		*	***					
<i>Monstera deliciosa</i>	Climbing shrub	Exotic, often planted													*
<i>Morinda parvifolia</i>	Climbing shrub	Very common											*		
<i>Morus alba</i>	Tree	Common, semi-naturalized in HK					*			*			*		*
<i>Musa x paradisiaca</i>	Herb	Exotic, common, often cultivated for fruits	**	*				*	*	**		***	**		***
<i>Mussaenda pubescens</i>	Climbing shrub	Very common							*		*				
<i>Nageia nagi</i>	Tree	Exotic, often planted													*
<i>Nasturtium officinale</i>	Aquatic herb	Exotic, often cultivated	**												
<i>Nelumbo nucifera</i>	Aquatic herb	Exotic, often planted													*
<i>Neyraudia reynaudiana</i>	Herb	Very common	*		**		*	*	****	***			*		*
<i>Ocimum basilicum</i>	Herb	Regarded as Very Rare in Xing <i>et al.</i> (2000) but also cultivated and widely naturalized	*												
<i>Oxalis corniculata</i>	Perennial herb	Very common	**					**			*				**
<i>Oxalis debilis</i> subsp. <i>corymbosa</i>	Herb	Exotic, common	**						*			*	**		
<i>Paederia scandens</i>	Climber	Very common	**				*	*				*	*	**	**
<i>Palhinhaea cernua</i>	Creeping herb	Very common								*					*
<i>Panicum maximum</i>	Herb	Exotic, very common	***	***	****		***	***	**	***			**	**	**
<i>Panicum dichotomiflorum</i>	Perennial herb	Common		*						**					
<i>Paspalum conjugatum</i>	Herb	Exotic, common	**				*		**						
<i>Paspalum notatum</i>	Herb	Exotic, common, often planted			***									**	
<i>Paspalum distichum</i>	Perennial herb	Very common			**										
<i>Paspalum scrobiculatum</i> var. <i>orbiculare</i>	Herb	Very common			**		*						*		
<i>Passiflora foetida</i>	Herbaceous	Exotic, very common					*		*	**					

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
	climber														
<i>Pecteilis susannae</i>	Terrestrial Herb	Restricted, protected by Cap. 586, Cap. 96A											*		
<i>Peltophorum pterocarpum</i>	Tree	Exotic, often planted											*		**
<i>Pennisetum purpureum</i>	Herb	Exotic, very common		**			**		**						
<i>Phragmites australis</i>	Herb	Very common			**										
<i>Phyllanthus cochinchinensis</i>	Shrub	Common								*	*				
<i>Phyllanthus urinaria</i>	Herb	Common								*					
<i>Pinus elliottii</i>	Tree	Exotic, commonly planted in plantation							*				*		
<i>Pinus massoniana</i>	Tree	Common, often planted in plantation											**		
<i>Pisum sativum</i>	Climbing herb	Exotic, often cultivated	*							*					
<i>Plantago major</i>	Herb	Exotic, very common	*												
<i>Plumeria rubra</i>	Tree	Exotic, often planted									*				**
<i>Polygonum barbatum</i>	Herb	Common	*		**		*								
<i>Polygonum chinensis</i>	Herb	Very common								**	*		*		
<i>Polygonum glabrum</i>	Herb	Restricted	**		**		*		*						
<i>Polygonum lapathifolium</i>	Herb	Common	*		**		*	*		**					
<i>Polygonum longisetum</i>	Herb	Common					*								
<i>Polygonum perfoliatum</i>	Climbing herb	common								**					
<i>Praxelis clematidea</i>	Herb	Exotic, Very common					*	*	*						
<i>Prunus persica</i>	Tree	Exotic, planted	*												*
<i>Psidium guajava</i>	Tree	Exotic, common, often planted	*	*						*		*	*		*
<i>Psychotria asiatica</i>	Shrub/small tree	Very common								*	***		***		
<i>Pteridium aquilinum</i> var. <i>latiusculum</i>	Herb	Common								**					
<i>Pteris multifida</i>	Herb	Very common									*				
<i>Pteris semipinnata</i>	Herb	Very common						*		*	*		*		
<i>Pteris vittata</i>	Herb	Very common						*	*						
<i>Pterocypsela indica</i>	Herb	Common					*			*					
<i>Pueraria lobata</i>	Climber	Very common	**	*	**		*			**	*		*		**
<i>Ranunculus sceleratus</i>	Herb	Restricted			*		*								
<i>Raphanus sativus</i>	Perennial herb	Exotic, often cultivated	*												
<i>Rhaphiolepis indica</i>	Shrub/small tree	Very common							*	**	*		*		
<i>Rhapis excelsa</i>	Shrub	Exotic, often planted											*		**
<i>Rhododendron simsii</i> #	Shrub	Very common, wild population is protected by Cap. 96, often planted					*								**

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Rhodomyrtus tomentosa</i>	Shrub	Very common, also planted							**	***					
<i>Rhus chinensis</i>	Shrub/small tree	Common						*	*	***	*		*		
<i>Rhus hypoleuca</i>	Tree	Common						*					*		
<i>Rhus succedanea</i>	Shrub/small tree	Common								***					
<i>Rorippa indica</i>	Herb	Common	*												
<i>Rosa rugosa</i>	Shrub	Exotic, planted													*
<i>Rourea minor</i>	Woody climber	Common									**				
<i>Rumex trisetifer</i>	Herb	Common		**	*		*	*		*		*			
<i>Ruta graveolens</i>	Perennial herb	Exotic, may be planted	**												
<i>Saccharum officinarum</i>	Perennial herb	Exotic, often cultivated	*												
<i>Sageretia thea</i>	Shrub	Common									**				
<i>Salix babylonica</i>	Tree	Exotic, often planted								*					
<i>Salvia japonica</i>	Herb	Common								*					
<i>Sansevieria trifasciata</i>	Perennial herb	Exotic, often planted	*										*		**
<i>Sapium discolor</i>	Tree	Very common								**	*				
<i>Sapium sebiferum</i>	Tree	Common			*					**			**		**
<i>Schefflera arboricola</i>	Climbing shrub	Exotic, often planted													**
<i>Schefflera heptaphylla</i>	Tree	Very common								**	***				
<i>Schlumbergera truncata</i>	Perennial herb	Exotic													*
<i>Scirpus mucronatus</i>	Herb	Often planted			*										
<i>Scoparia dulcis</i>	Herb	Exotic, common	*		*										
<i>Selaginella uncinata</i>	Herb	Common										*			*
<i>Senna siamea</i>	Tree	Exotic, Commonly planted								*			**		***
<i>Sesbania cannabina</i>	Herb	Exotic, common			**		**			*					
<i>Setaria glauca</i>	Herb	Very common					*			**					
<i>Sida acuta</i>	Subshrub	Common								*					
<i>Smilax china</i>	Climber/shrub	Very common							**	*	*		**		
<i>Solanum melongena</i>	Herb/subshrub	Exotic, often cultivated	*												
<i>Solanum nigrum</i>	Herb	Common	*	*				*					*		*
<i>Solanum torvum</i>	Shrub	Common					*			*			*		*
<i>Spathodea campanulata</i>	Tree	Exotic, often planted											*		**
<i>Spathoglottis pubescens</i>	Terrestrial Herb	Very common, protected by Cap. 586, Cap. 96A											*		
<i>Stephania longa</i>	Climber	Common									*				*
<i>Sterculia lanceolata</i>	Tree	Very common									***				**



Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Sterculia nobilis</i>	Tree	Exotic, often planted										*	*		
<i>Strelitzia reginae</i>	Perennial herb	Exotic, often planted											*		**
<i>Syngonium podophyllum</i>	Herb	Exotic, often planted											*		
<i>Syzygium jambos</i>	Tree	Exotic, common, in Fung Shui wood, also planted					*					*	**		**
<i>Tadehagi triquetrum</i>	Shrub	Very common								**					
<i>Terminalia catappa</i>	Tree	Exotic, regarded as Rare in Xing <i>et al.</i> (2000) but widely cultivated											*		*
<i>Terminalia mantayl</i>		Exotic, often planted													*
<i>Tetracera asiatica</i>	Woody climber	Very common									**				
<i>Thevetia peruviana</i>	Shrub/small tree	Exotic, widely planted													**
<i>Thuja orientalis</i>	Tree	Exotic, often planted													**
<i>Tinospora sagittata</i>	Climber	Common					*								
<i>Tithonia diversifolia</i>		Exotic, common													**
<i>Torulinum odoratum</i>	Herb	Exotic, common					*								
<i>Trema tomentosa</i>	Shrub/small tree	Common								*	*		*		*
<i>Tridax procumbens</i>	Shrub/small tree	Exotic, very common					**								
<i>Typha angustifolia</i>	Herb	Exotic, regarded as Rare in Xing <i>et al.</i> (2000) but widely established in HK in recent years			**										
<i>Uria crinita</i>	Subshrub	Common									*				
<i>Urena lobata</i>	Subshrub	Common										*			
<i>Uvaria macrophylla</i>	Climbing shrub	Common									***		**		
<i>Vernicia fordii</i>	Tree	Exotic, often planted								*					
<i>Vernonia cinerea</i>	Herb	Very common					*								*
<i>Vigna unguiculata</i> subsp. <i>sesquipedalis</i>	Herb	Exotic, often cultivated	*												
<i>Vitex negundo</i> var. <i>cannabifolia</i>	Shrub	Restricted									**				
<i>Wedelia trilobata</i>	Perennial herb	Exotic, common, widely planted	**		***		**		****	**	*		**		***
<i>Wikstroemia indica</i>	Shrub	Common							*	*					
<i>Youngia japonica</i>	Herb	Very common	*						*						*
<i>Zanthoxylum avicennae</i>	Tree	Common								*	*		*		
<i>Zanthoxylum nitidum</i>	Climbing shrub	Common									*		*		

Species	Growth form	Status in HK <sup>1</sup>	Habitat Type <sup>2</sup>												
			WA/DA	PO	MW	SWG	CS	NS	GR	GR/SH <sup>3</sup>	SecW	OR	PL/MP	WG	VA/UR
<i>Zea mays</i>	Herb	Exotic, often cultivated	*							*					
<i>Zingiber officinale</i>	Perennial herb	Exotic, often cultivated	*												
<b>Total</b>			<b>88</b>	<b>27</b>	<b>71</b>	<b>14</b>	<b>95</b>	<b>49</b>	<b>66</b>	<b>146</b>	<b>88</b>	<b>24</b>	<b>138</b>	<b>11</b>	<b>148</b>

**Note:**

1. Plant status based on Xing *et al.* (2000) and other relevant botanical reviews
2. Habitats: WA/DA = Wet Agricultural Land/Dry Agricultural Land; PO = Pond; MW = Mitigation Wetland; SWG = Seasonally Wet Grassland; CS = Channelised Stream; NS = Natural Stream; GR = Grassland; GR/SH = Grassland/Shrubland; SecW = Secondary Woodland; OR = Orchard; PL/MP = Plantation/Mitigation Plantation; WG = Waste Ground; VA/UR = Village Area/Urban/Residential Area. No records from the habitat types not listed.
3. Due to the difficulty in defining the actual boundary of the hillside habitats (Grassland, Grassland/Shrubland and Shrubland) during survey, data from the three habitats are grouped in one category, which also includes botanical data from lowland grassland and seasonally wet grassland.

**Key:**

Abundance: \* = Scarce; \*\* = Often recorded; \*\*\* = Abundant; \*\*\*\* = Very abundant  
 # = considered to be planted, and thus excluded from further assessment.