

Appendix 12-1 **Methodology and Results of Botanical Surveys**

Methodology

ENSR (2009) conducted botanical surveys to describe ecological baseline conditions for the Ecological Assessment Area. Botanical surveys by direct observation to identify the plant species and their relative abundance in different habitat types within the Survey Area were conducted in March, July and December 2008. A total of 289 plant species were recorded in 2008 and all were common and widespread throughout HK. Neither species of conservation interest nor protected species were identified by ENSR (2009). However, since the study area for this project is larger than that in ENSR (2009) and as vegetation characteristics could have changed naturally or artificially in the interim, botanical surveys were conducted for the current Study to characterize vegetation in the wet and dry seasons in 2009 and 2010.

Survey methodology for plant species followed the guidelines set out in the EIAO Guidance Note 10/2004 and 10/2010. Botanical surveys were conducted in July, October and November 2009 and June 2010 within the Ecological Assessment Area. All habitat types were surveyed by following any accessible routes.

Survey effort was focused on habitats within LMC Loop and on habitats that would be directly impacted by the proposed Eastern and Western Connection Roads from the Loop. Habitats or areas outside these and habitats covered by the proposed road connections were surveyed if they were ecologically important habitats (such as hillside shrubland and grassland in LMC area, ponds, marsh and reed marsh to the northeast and east of the Loop, and LMC WMA to the west of the Study Areas).

As LMC Loop was densely overgrown with vegetation and there was a lack of paths, surveys followed the two paths established for avifaunal surveys. These transect routes covered all representative habitat types within LMC Loop, and plants along transects were identified and their relative abundances noted. Plants in inaccessible parts (such as the certain areas of orchard and plantation) at the edge of the Loop were surveyed from the ponds located on the other side of LMC Meander or identified with the aid of binoculars from the shrubland at Tai Law Hau. Plants within each habitat type were identified to species level and their relative abundance noted. General characteristics of the flora community present in each habitat were noted for use in habitat description and evaluation.

As the vegetation within the LMC WMA has been under regular monitoring by part of the study team, a comprehensive plant list summarizing both dry and wet season monitoring data were reviewed and incorporated into the plant list for this study.

Since the proposed Western Connection Road largely follows the existing road infrastructure along Ha Wan Tsuen Road and LMC Road, the botanical surveys and evaluation of the developmental impact on the plant species mainly focused on vegetation identified along or in close proximity to the proposed alignment. Regarding the Eastern Connection Road, the alignment partly passes through areas with no existing road; consequently, survey and evaluation of this proposed alignment focused on the whole habitat types that will be potentially affected by the alignment.

Results

A total of 368 plant species were recorded during the botanical surveys in the Ecological Assessment Area. A full list including Chinese names is provided in **Table A12-1**.

LMC Loop is largely covered by grassland, grassland/shrubland and reed marsh habitats. All plant species recorded are common and widespread in HK. The grassland and grassland/shrubland are largely covered by grassy vegetation (such as *Brachiaria mutica*, *Neyraudia reynaudiana* and *Panicum maximum*), exotic herbs and climbers (such as *Bidens alba*, *Mikania micrantha* and *Wedelia trilobata*) and common shrubs and small trees. Groups of trees and shrubs, including *Ficus hispida*, *Leucaena leucocephala*, *Macaranga tanarius* and *Melia azedarach*, form scattered plantation areas, and an orchard of *Musa x paradisiaca* (Common Banana) is present. Wetland habitats (including pond and reed marsh) in LMC Loop are dominated by extensive herbaceous cover (such as grass species *Brachiaria mutica*, *Panicum* spp., other herbs *Commelina diffusa*, *Cyclosorus interruptus* and reed *Phragmites australis* and *P. karka*) typical of wetland habitats in HK. Areas of Pond in LMC Loop were largely overgrown with weedy floating plant *Pistia stratiotes*. No plant species of conservation interest was identified in LMC Loop.

Adjacent Area in HK outside LMC Loop covers more diverse natural terrestrial habitats (such as hillside grassland, shrubland and secondary woodland), wetland areas (marsh, reed marsh, seasonally wet grassland and pond) and human-dominated urban/residential area and village area in LMC and Ma Tso Lung. A few saplings of the protected tree species *Aquilaria sinensis* were identified at the fringe of secondary woodland adjacent to the access road to LMC Tsuen and at the shrubland fringe next to the vehicular road to LMC Lookout (**Figure 12-4**). A few seedlings and a mature specimen of these protected species were also recorded in the secondary woodland close to Pun Uk Tsuen, marginally (**Figure 12-4**). *A. sinensis* is regarded as a common species found in lowland forest and *fung shui* woods (Xing *et al.* 2000; AFCD & SCBG 2008), but is protected under Cap. 586. In addition, it has been listed as “Near Threatened” and as a “Wild plant under State protection (Category II)” in *China Plant Red Data Book and Illustration of Rare & Endangered plant in Guangdong Province* (SCIB and AFCD 2003).

Except these protected trees, all species recorded are widespread throughout HK and are typical of the respective terrestrial and wetland habitats (see **Table A12-1**). Floristic diversity and composition recorded in secondary woodland is comparable to hillside grassland and shrubland, since the woodland within Area B is surrounded by urbanized/ village area, and hence is rather disturbed.

Hillside grassland and shrubland are mainly covered by extensive common grassy vegetation and scattered shrub-tree community (such as *Melastoma candidum*, *Rhodomlyrtus tomentosa*, *Rhus chinensis* and *Rhus succedanea*). Ponds and mitigation wetland within are largely dominated by very common grassy vegetation (such as *Brachiaria mutica* and *Paspalum conjugatum*) and other herbs (such as *Alternanthera sessilis* and *Commelina diffusa*), with scattered shrubs and fruit tree species (such as *Dimocarpus longan*, *Litchi chinensis* and *Musa x paradisiaca*) along some pond bunds. Other wetland habitats (marsh, reed marsh and seasonally wet grassland) are extensively covered by common wetland herbs. The urbanized area supported the greatest plant diversity but the majority of these are ornamental species or very common species planted or naturally established along roads, in parks and in villages.

A total of 88 and 150 plant species common and widespread in HK were recorded in habitats that directly overlap or are in close proximity to the proposed western and eastern road

connections respectively (**Table A12-2**). The proposed western connection road will not cause significant impact on the vegetation as the proposed work will mainly follow the existing road infrastructure and the impacted vegetation is largely planted species for ornamental and screening purposes along roads. Vegetation in habitats close to the proposed western road connection (such as ponds, marsh and secondary woodland) is very common and typical of the respective habitats, and the potential impacts on floristic diversity and composition are limited due to the restricted work boundary.

The eastern connection road will influence comparatively more plant species, as it will pass through existing wetland habitats at HHW (ponds, reed marsh and marsh) and the Ma Tso Lung area (mainly marsh and seasonally wet grassland), secondary woodland along the border fence and plantation and orchards at Ma Tso Lung. No protected or rare plant species were recorded in these potentially impacted habitats, and the recorded vegetation species are largely common and similar in diversity and composition to those identified elsewhere in the Ecological Assessment Area.

Table A12-1. Plant species recorded in Ecological Assessment Area during surveys in 2009-10 (GRD – Grassland; SHD – Shrubland; MA – Marsh; RD/MA – Reed marsh; SWG – Seasonally wet grassland; UR/REA - Urban/Residential Area; VA - Village Area; WAG – Wasteground; WAL – Wet agricultural land; DAL – Dry agricultural land).

1: Plant status based on the reference Xing et al. (2000) and other relevant botanical reviews

2: Abundance of plant: "*" - Scarce; "**" - Often record; "***" - Abundant; "****" - Very abundant

Species	Growth form	Status in HK ¹	Ecological Assessment Area																	
			LMC Loop							Area B / Added Area B										
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
<i>Abelmoschus moschatus</i> 黃葵	Herb	Restricted	*																	
<i>Abrus mollis</i> 毛相思子	Climber	Restricted, often found in margins of <i>fung shui</i> woods and lowland forest								*										
<i>Acacia auriculiformis</i> 耳果相思/耳葉相思	Tree	Exotic, common, often planted in plantation	*							*				*					**	
<i>Acacia concinna</i> 藤金合歡/小合歡	Woody climber	Restricted	**									*	*							
<i>Acacia confuse</i> 臺灣相思	Tree	Exotic, common, often planted in plantation	**	**	*					*	*	**		*	*				**	
<i>Acacia mangium</i> 大葉相思/馬占相思	Tree	Exotic, common, often planted in plantation	*											*					**	*
<i>Acalypha wilkesiana</i> 紅桑	Shrub	Exotic																	**	*
<i>Achyranthes aspera</i> 土牛膝/倒扣草	Herb	Exotic, common												*						
<i>Adenosma glutinosum</i> 毛麝香	Herb	Very common									*									
<i>Adiantum capillus-veneris</i> 鐵線蕨	Herb	Common							*	*										
<i>Aeschynomene indica</i> 合萌/田皂角	Herb	Very common	**										*							
<i>Ageratum conyzoides</i> 藿香薊/勝紅薊	Herb	Exotic, very common										**	**	*	*		*	*	*	
<i>Aglaia odorata</i> 米仔蘭/魚子蘭	Shrub/small	Exotic, often planted for																	*	

Species	Growth form	Status in HK ¹	Ecological Assessment Area																	
			LMC Loop							Area B / Added Area B										
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
	tree	ornamental purpose																		
<i>Albizia lebeck</i> 大葉合歡	Tree	Exotic, common, often planted								*									*	
<i>Aleurites moluccana</i> 石栗	Tree	Exotic, commonly planted																	*	**
<i>Allamanda cathartica</i> 軟枝黃蟬	Climbing shrub	Exotic, commonly planted																	**	**
<i>Allamanda schottii</i> 黃蟬/硬枝黃蟬	Shrub	Exotic, commonly planted																	**	**
<i>Alocasia odora</i> 海芋	Perennial herb	Very common	**	*	*			*		*	**		**	*	*	*	***	*	*	*
<i>Aloe vera</i> var. <i>chinensis</i> 蘆薈	Herb	Exotic, commonly cultivated																	*	
<i>Alpinia hainanensis</i> 草豆蔻	Herb	Very common																*		
<i>Alpinia zerumbet</i> 豔山薑	Perennial herb	Exotic, commonly cultivated								*										
<i>Alternanthera nodiflora</i> 線葉蝦鉗菜	Perennial herb	Exotic												*						
<i>Alternanthera paronychioides</i> 星星蝦鉗菜	Perennial herb	Exotic, common												**						
<i>Alternanthera philoxeroides</i> 空心莧/空心蓮子草	Perennial herb	Exotic, common	*					*						**				*		
<i>Alternanthera sessilis</i> 蝦鉗菜/蓮子草	Perennial herb	Common	**							*			**	**	*	**		**		
<i>Alysicarpus vaginalis</i> 鏈莢豆/練莢豆	Herb	Very common	*						*					*	*					
<i>Amaranthus spinosus</i> 刺莧/莧菜	Herb	Exotic, common												*						
<i>Amaranthus viridis</i> 綠莧/野莧	Herb	Very common				*		*		*	*		*	*					*	*
<i>Ampelopsis heterophylla</i> var. <i>kulingensis</i> 牯嶺蛇葡萄	Woody climber	Common								**										

Species	Growth form	Status in HK ¹	Ecological Assessment Area																	
			LMC Loop									Area B / Added Area B								
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
<i>Annona squamosa</i> 番荔枝	Tree	Exotic, commonly planted																	*	
<i>Apluda mutica</i> 水蔗草	Herb	Very common										*	**		*					
<i>Aporosa dioica</i> 銀柴/大沙葉	Tree	Very common								*	**				*					
<i>Aquilaria sinensis</i> 土沉香/牙香樹/白木香	Tree	Common, often found or planted in lowland forest and fung shui woods								*	*									
<i>Araucaria heterophylla</i> 異葉南洋杉/南洋杉	Tree	Exotic													*				*	
<i>Archontophoenix alexandrae</i> 假檳榔	Tree palm	Exotic, often planted																	*	
<i>Artocarpus macrocarpus</i> 菠蘿蜜	Tree	Exotic, commonly planted for fruits								*					*	*			*	
<i>Asparagus densiflorus cv. Sprengeri</i> 非洲天門冬	Climbing herb	Exotic																	**	
<i>Aster subulatus</i> 鑽形紫苑	Perennial herb	Exotic	*									*	*		*		*	*	*	
<i>Axonopus compressus</i> 地毯草	Herb	Exotic, common, also planted											*						**	
<i>Bacopa monnieri</i> 假馬齒莧	Herb	Common											**							
<i>Baekkea frutescens</i> 崗松	Shrub	Very common								*										
<i>Bambusa</i> spp. 籐竹屬	Clumped tree bamboo	Exotic, common								*		*	*		*				**	
<i>Bauhinia blakeana</i> 洋紫荊	Tree	Common, often planted									**								*	
<i>Bauhinia variegata</i> 宮粉羊蹄甲	Tree	Exotic, often planted								*	*	*	*		*				**	*
<i>Bauhinia variegata</i> var. <i>candida</i> 白花洋紫荊/矮白花羊蹄甲	Tree	Exotic																		*

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			LMC Loop									Area B / Added Area B									
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG	WAL & DAL
<i>Bidens alba</i> 白花鬼針草	Herb	Exotic, very common	***	*				*	**	**	**	*	*	**	**	*		***	*	*	
<i>Bidens pilosa</i> 鬼針草	Herb	Exotic, common												*							
<i>Bischofia javanica</i> 秋楓	Tree	Common, usually in <i>Fung Shui</i> wood, also planted	*																*		
<i>Blechnum orientale</i> 烏毛蕨	Herb	Very common								*		*									
<i>Boehmeria nivea</i> 芋麻	Subshrub/shrub	Exotic, restricted											*								
<i>Bombax ceiba</i> 木棉	Tree	Exotic, commonly planted	*					*		*		*	*	*	*	*		*	*		
<i>Bothriochloa bladhii</i> 臭根子草	Herb	Very common	**			**		*	**	**				*					*		
<i>Bothriochloa glabra</i> 光孔穎草	Herb	Common												*							
<i>Bothriochloa ischaemum</i> 白羊草/鴨咀孔穎草	herb	common							*				**	**							
<i>Bougainvillea spectabilis</i> 葉子花/毛寶巾/賀春紅	Climber	Exotic, common, often planted								*	*		*						*		
<i>Brachiaria mutica</i> 巴拉草/爬拉草	Perennial herb	Exotic, common	****	**		***	***	***	***		**		**	***	*	***	*	***	**	*	*
<i>Breynia fruticosa</i> 黑面神/鬼畫符	Shrub	Very common								*	*										
<i>Bridelia tomentosa</i> 土蜜樹/逼迫仔	Shrub/Small tree	Very common	*							**	**	*	*	*	*				*	*	
<i>Cajanus scarabaeoides</i> 蔓草蟲豆	Climber	Common	*											*				**	*		
<i>Calliandra haematocephala</i> 朱纓花/紅絨球	Shrub	Exotic, common, often planted for ornamental purpose								*		**			*				**		
<i>Callicarpa kochiana</i> 枇杷葉紫珠	Tree	Common								*	*										

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			LMC Loop									Area B / Added Area B									
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG	WAL & DAL
<i>Callistemon viminalis</i> 串錢柳	Tree	Exotic, often planted																	*		
<i>Camellia japonica</i> 山茶	Shrub or Small Tree	Exotic																	*		
<i>Canavalia maritima</i> 海刀豆	Climber	Common							*						*						
<i>Carica papaya</i> 番木瓜/萬壽果	Tree	Exotic, widely cultivated																	*	*	
<i>Carmona microphylla</i> 基及樹/福建茶	Shrub	Exotic																	**		
<i>Caryota mitis</i> 短穗魚尾葵/小魚尾葵	Tree palm	Exotic, often planted																	*		
<i>Cassia alata</i> 翅莢決明	Shrub	Exotic, often planted										*							*		
<i>Cassia surattensis</i> 黃槐決明/黃槐	Shrub/small tree	Exotic, often planted									*	**			*				**		
<i>Castanopsis fissa</i> 蠟葫錐/裂鬥錐栗	Tree	Common																	**		
<i>Casuarina equisetifolia</i> 木麻黃/牛尾松	Tree	Exotic, often planted in plantation and along roadside, apparently semi-naturalized in the nature								*	*	**	*	*	*		*	*	**		
<i>Celosia argentea</i> 青葙/野雞冠	Herb	Pantropical weed of uncertain origin												*							
<i>Celtis sinensis</i> 朴樹	Tree	Common, often planted	*	*	*		*			*	**	*	*	*	*		*	**	**		
<i>Cenchrus echinatus</i> 蒺藜草	Herb	Exotic, common								*											
<i>Centella asiatica</i> 積雪草/崩大碗	Herb	Very common								*				*							
<i>Centotheca lappacea</i> 假淡竹葉	Herb	Common									**										
<i>Ceratophyllum demersum</i> 金魚藻	Aquatic herb	Exotic										*	*								
<i>Chenopodium album</i> 藜	Herb	Restricted											*								
<i>Chloris barbata</i> 孟仁草/虎尾草	Perennial herb	Very common					*			**		**	**	*				*	*		

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			LMC Loop							Area B / Added Area B										
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
<i>Chrysalidocarpus lutescens</i> 散尾葵	Shrub palm	Exotic, often planted																	*	
<i>Chrysopogon aciculatus</i> 竹節草/假雀麥	Herb	Very common												*						
<i>Cinnamomum camphora</i> 樟	Tree	Common, also widely planted								**	*	*	*	*					*	
<i>Citrus maxima</i> 柚	Tree	Exotic, widely cultivated for fruits									*								*	
<i>Citrus reticulata</i> 柑橘/柑桔	Small tree	Exotic, widely cultivated for fruits																	*	
<i>Clausena lansium</i> 黃皮	Small tree	Exotic, common, widely cultivated for fruits							*		*								*	*
<i>Cleistocalyx operculatus</i> 水翁/水榕	Tree	Common										*							*	
<i>Clerodendrum cyrtophyllum</i> 大青	Shrub	Common							*											
<i>Clerodendrum fortunatum</i> 白花燈籠/鬼燈籠	Shrub	Common							*											
<i>Codiaeum variegatum</i> 變葉木/灑金榕	Shrub	Exotic, often planted																		*
<i>Colocasia esculenta</i> 芋	Herb	Common, often cultivated			*			*				**	*	*	*	*	*	**	**	**
<i>Commelina diffusa</i> 節節草	Herb	Common	***			***		*				***	**	*	**	**	*			
<i>Conyza Canadensis</i> 小蓬草/小白酒草	Herb	Exotic, very common	**						*		*		*		*			*	*	*
<i>Cordyline fruticosa</i> 朱蕉/鐵樹	Shrub	Exotic, often planted							*										*	
<i>Crassocephalum crepidioides</i> 野茼蒿	Herb	Exotic, common	*										*							
<i>Cratogeomys cochinchinense</i> 黃牛木	Shrub/small tree	Very common							**	**										
<i>Crotalaria pallid</i> 豬屎豆	Herb	Exotic, common	*						*					*				*	*	
<i>Crinum asiaticum</i> var. <i>sinicum</i> 文殊蘭	Herb	Restricted														*				
<i>Cuphea petiolata</i> 黏毛萼距花	Shrub	Exotic, common											*							
<i>Cuscuta australis</i> 南方菟絲子	Herb	Common							**			**		*						

Species	Growth form	Status in HK ¹	Ecological Assessment Area																	
			LMC Loop							Area B / Added Area B										
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
<i>Echinochloa crusgalli</i> 稗/大骨草	Herb	Very common												*						
<i>Eclipta prostrata</i> 鱧腸/白花蟛蜞菊	Perennial herb	Very common					*							*				*		
<i>Eichhornia crassipes</i> 鳳眼藍/大水萍	Aquatic herb	Exotic, common										**		*						
<i>Eleocharis dulcis</i> 荸薺/馬蹄	Herb	Exotic, common, often planted				*						*	**							
<i>Eleocharis plantagineiformis</i> 野荸薺	Herb	Exotic, planted											**							
<i>Eleocharis spiralis</i> 螺旋鱗荸薺	Herb	Regarded as Rare and pantropical in Xing <i>et al.</i> 2000. Specimens found in this survey are planted by man.											**							
<i>Eleusine indica</i> 牛筋草/蟋蟀草	Herb	Very common								*	*	**	*	*		*	*	**	*	
<i>Emilia sonchifolia</i> 一點紅/雞腳草	Herb	Very common	*										*	*				*	*	
<i>Eragrostis atrovirens</i> 鼠婦草/卡氏畫眉草	Herb	Common							*				*							
<i>Eragrostis tenella</i> 鯽魚草/南方知風草	Herb	Exotic, very common									*									
<i>Erechtites hieraciifolius</i> 梁子菜	Herb	Exotic											*							
<i>Eriobotrya japonica</i> 枇杷	Small tree	Exotic, widely cultivated																*		
<i>Erythrina variegata</i> 刺桐	Tree	Exotic, often planted								*		*						*	*	
<i>Eucalyptus camaldulensis</i> 赤桉	Tree	Exotic									*									
<i>Eucalyptus citriodora</i> 檸檬桉	Tree	Exotic, often planted								*		*								
<i>Eucalyptus robusta</i> 大葉桉/大葉有加利	Tree	Exotic, often planted																	**	
<i>Eupatorium catarium</i> 假臭草	Herb	Exotic, very common	**						**	**		**	*		*			**	**	

Species	Growth form	Status in HK ¹	Ecological Assessment Area																		
			LMC Loop							Area B / Added Area B											
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG	WAL & DAL
<i>Kyllinga brevifolia</i> 短葉水蜈蚣	Herb	Common	*									*			**	*	*			*	*
<i>Kyllinga monocephala</i> 單穗水蜈蚣	Herb	Very common	*												*	*					*
<i>Lagerstroemia indica</i> 紫薇	Shrub	Exotic, regarded as Rare in Xing et al. (2000). Specimens recorded were planted in urban/residential area.																		*	
<i>Lagerstroemia speciosa</i> 大花紫薇/洋紫薇	Tree	Exotic, common, often planted	*							*		*				*				*	
<i>Lantana camara</i> 馬纓丹/如意草	Shrub	Exotic, very common	**							*	*	*	*	*	*	*		*	*	*	*
<i>Leersia hexandra</i> 李氏禾/蓉草	Herb	Common				**							**	**							
<i>Lemna minor</i> 青萍	Herb	Common												*							*
<i>Lepironia articulate</i> 蒲草/肇慶草	Herb	Exotic, often planted												*							
<i>Leptochloa chinensis</i> 千金子/油草	Herb	Very common												**				*			
<i>Leucaena leucocephala</i> 銀合歡	Small tree	Exotic, locally common, planted or naturalized in disturbed area	**	**	*		*	**		*	*	**	*	*	*	*	*	*	*	**	*
<i>Ligustrum sinense</i> 山指甲/小蠟樹	Shrub/Small tree	Common, also planted								*	**	*		*		*		*	*	*	
<i>Lindernia anagallis</i> 長蒴母草/長果母草	Herb	Common												*							
<i>Lindernia antipoda</i> 泥花草	Herb	Common										*	*		*						
<i>Lindernia procumbens</i> 陌上菜	Herb	Common											*								
<i>Lindernia rotundifolia</i> 迷你虎耳草	Herb	Restricted																*			
<i>Liquidambar formosana</i> 楓香	Tree	Common, also commonly planted																		*	
<i>Liriope spicata</i> 山麥冬/麥門冬	Herb	Very common								*	**										

Species	Growth form	Status in HK ¹	Ecological Assessment Area																	
			LMC Loop									Area B / Added Area B								
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
<i>Litchi chinensis</i> 荔枝	Tree	Exotic, widely cultivated for fruits, also planted in <i>Fung Shui</i> wood									*	*	**	*					**	
<i>Litsea cubeba</i> 木薑子/山蒼樹	Tree	Common									*	*								
<i>Litsea glutinosa</i> 潺槁樹	Tree	Very common									*	**		*						
<i>Litsea rotundifolia</i> var. <i>oblongifolia</i> 豺皮樟	Tree	Very common									**	**								
<i>Livistona chinensis</i> 蒲葵	Tree palm	Exotic, common													*				*	
<i>Lobelia chinensis</i> 半邊蓮	Herb	Common												*						
<i>Lonicera macrantha</i> 大花忍冬	Climber	Common									*	*								
<i>Lophostemon confertus</i> 紅膠木	Tree	Exotic, often planted									*	*							**	
<i>Ludwigia adscendens</i> 水龍/過塘蛇	Herb	Common												**						
<i>Ludwigia octovalvis</i> 毛草龍	Perennial herb	Common	*			*							*	*				*		*
<i>Ludwigia hyssopifolia</i> 草龍	Perennial herb	Common											*	*	*			**	*	*
<i>Ludwigia x taiwanensis</i> 臺灣水龍	Herb	Exotic												**						
<i>Lygodium japonicum</i> 海金沙/羅網藤	Climber	Very common	*				*				*	*		**	*				*	
<i>Lygodium scandens</i> 小葉海金沙/石韋藤	Climber	Common	*			*						*		*					*	
<i>Macaranga tanarius</i> 血桐	Tree	Common, often widely planted	**	**	*		*				**	*	**	*	*	*	*	*	**	*
<i>Machilus chekiangensis</i> 浙江潤楠/長序潤楠	Tree	Very common										*								
<i>Macroptilium atropurpureum</i> 紫花大翼豆	Creeping herb	Exotic, common									*				*					

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			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
<i>Macroptilium lathyroides</i> 大翼豆/長序菜豆	Herb	Exotic, common											*							
<i>Macrothelypteris torresiana</i> 普通針毛蕨	Herb	Very common								*										
<i>Maesa perlaris</i> 鯽魚膽	Shrub	Common									**									
<i>Mallotus apelta</i> 白背葉/白桐/楸桐	Shrub	Common											*	*						
<i>Mallotus paniculatus</i> 白楸	Shrub/small tree	Very common								*	*	*								
<i>Malvastrum coromandelianum</i> 賽葵/黃花草	Shrub	Common											*	*					*	
<i>Mangifera indica</i> 芒果	Tree	Exotic, widely cultivated for fruits										*	*						*	
<i>Manihot esculenta</i> 木薯	Shrub	Exotic, often cultivated									*								*	
<i>Mariscus umbellatus</i> 磚子苗	Herb	Common				*	*													
<i>Melaleuca quinquenervia</i> 白千層	Tree	Exotic, commonly planted								*	*			*					**	
<i>Melastoma candidum</i> 野牡丹	Shrub	Common	*							**	*	*	*	*	*					
<i>Melastoma sanguineum</i> 毛稔	Shrub	Common								*			*	*						
<i>Melia azedarach</i> 楝/苦楝/森樹	Tree	Exotic, commonly planted	*	**	*		*		*	*	*	*	*	**	*				*	
<i>Melicope pteleifolia</i> 蜜菜萸/三椏苦	Shrub/small tree	Common									*									
<i>Merremia hederacea</i> 魚黃草/籬欄網	Herbaceous climber	Common	*							*			*	*						
<i>Michelia x alba</i> 白蘭	Tree	Exotic, planted																	*	
<i>Microcos paniculata</i> 破布葉/布渣葉	Shrub/small	Common								*	**	*							*	

Species	Growth form	Status in HK ¹	Ecological Assessment Area																	
			LMC Loop							Area B / Added Area B										
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
	tree																			
<i>Microstegium ciliatum</i> 剛莠竹	Herb	Very common	**							**			**			*			*	
<i>Mikania micrantha</i> 薇甘菊	Climbing herb	Exotic, very common	**	*		**		*	**	*	*	**	**	**	*	*	**	**	*	*
<i>Mimosa pudica</i> 含羞草	Herb	Exotic, very common	**						*	**		*		**	*	*	*	*	*	
<i>Mirabilis jalapa</i> 紫茉莉	Herb	Exotic, often planted																	*	
<i>Miscanthus floridulus</i> 五節芒	Herb	Common	*						*	**					*					
<i>Miscanthus sinensis</i> 芒/茅丁	Herb	Very common	*							*	*		*		*					
<i>Morus alba</i> 桑	Tree	Common, semi-naturalized in HK								*	*	*	*	*	*	*	*	*	*	
<i>Murraya paniculata</i> 九裡香/月橘	Tree	Exotic, often planted																	*	
<i>Musa x paradisiaca</i> 大蕉/甘蕉	Herb	Exotic, common, often cultivated for fruits		*	**	*		*		*	*	**	*	*	*	*	*	*	*	*
<i>Nasturtium officinale</i> 西洋菜	Aquatic herb	Exotic, often cultivated																		**
<i>Nelumbo nucifera</i> 蓮/荷花	Aquatic herb	Exotic, commonly planted												**						
<i>Nephrolepis auriculata</i> 腎蕨	Herb	Common																	*	
<i>Nerium oleander</i> 夾竹桃	Shrub	Exotic, common ornamental plant																	*	
<i>Neyraudia reynaudiana</i> 類蘆/石珍茅	Herb	Very common	**						*	**	*				*	**			*	
<i>Nymphaea</i> spp. 睡蓮屬	Aquatic herb	Exotic, often planted												**						
<i>Ophiopogon japonicus</i> 麥冬/沿階草	Herb	Common																	*	
<i>Osmanthus fragrans</i> 桂花/木犀	Shrub/small tree	Exotic, often planted																	*	
<i>Oxalis corniculata</i> 酢漿草	Perennial herb	Very common									*			*					*	
<i>Paederia scandens</i> 雞矢藤	Climber	Very common	*							*	*	*	*	*					*	

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			LMC Loop								Area B / Added Area B										
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG	WAL & DAL
<i>Paliurus ramosissimus</i> 馬甲子/狗骨勒	Shrub	Common	*																		
<i>Pandanus furcatus</i> 分叉露兜	Shrub/small tree	Very common									*										
<i>Pandanus tectorius</i> 露兜樹	Small tree	Very common												*							
<i>Panicum maximum</i> 大黍	Herb	Exotic, very common	****	**		**	**		**		****	*	****	**	****	****	****	*	**	**	*
<i>Panicum paludosum</i> 水生黍	Perennial herb	Common	**			**							**	**	**			**			
<i>Panicum repens</i> 鋪地黍/枯骨草	Perennial herb	Very common											**								
<i>Parthenocissus dalzielii</i> 異葉爬山虎 / 爬牆虎	Climber	Exotic, regarded as Rare in Xing et al. (2000), but is widely planted and the specimens found were planted																	*		
<i>Paspalum conjugatum</i> 兩耳草	Herb	Exotic, common	**							*	*		***		**	**	*		**		
<i>Paspalum notatum</i> 百喜草	Herb	Exotic, common, often planted	*																		
<i>Paspalum orbiculare</i> 圓果雀稗	Herb	Very common								*				*	*			*			
<i>Paspalum paspaloides</i> 雙穗雀稗	Perennial herb	Very common	**			**								**	**						
<i>Passiflora foetida</i> 龍珠果	Herbaceous climber	Exotic, very common								*	*			*	*			*	*		
<i>Pennisetum alopecuroides</i> 狼尾草/ 狗仔草	Herb	Common								*				*							
<i>Pennisetum purpureum</i> 象草/紫狼尾草	Herb	Exotic, very common	*							**	*	*	*		**		***	**	*		
<i>Philydrum lanuginosum</i> 田蔥	Herb	Common											*								

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<i>Phragmites australis</i> 蘆葦	Herb	Very common	*		*	***	*	*	**				***	**	**	*		***		
<i>Phragmites karka</i> 卡開蘆, 水竹	Herb	Very common				**							***				*			
<i>Phyllanthus cochinchinensis</i> 越南葉下珠/鐵包金	Shrub	Common								*	*									
<i>Phyllanthus emblica</i> 余甘子/油甘子	Shrub/small tree	Very common								*	*									
<i>Phyllanthus reticulatus</i> 小果葉下珠/爛頭砵	Shrub	Common									*									
<i>Phyllanthus urinaria</i> 葉下珠/珍珠草	Herb	Common								*				*	*					
<i>Physalis angulata</i> 苦蕒/燈籠果	Herb	Exotic, restricted												*						
<i>Pilea microphylla</i> 小葉冷水花	Herb	Exotic, very common																		*
<i>Pinus</i> spp. 松屬	Tree	Exotic, often planted in plantation								**	*									
<i>Pistia stratiotes</i> 大藻	Herb	Common					***													
<i>Plumeria rubra</i> 雞蛋花/紅雞蛋花	Tree	Exotic, often planted																**		
<i>Polygonum barbatum</i> 毛蓼	Herb	Common										**	**	*						
<i>Polygonum chinense</i> 火炭母/五毒草	Herb	Common	**									***		**						**
<i>Polygonum glabrum</i> 光蓼	Herb	Common											**							
<i>Polygonum hydropiper</i> 水蓼/辣蓼	Herb	Common											*							
<i>Polygonum lapathifolium</i> 大馬蓼/白辣蓼	Herb	Common										**	**	*						
<i>Polygonum perfoliatum</i> 杠板歸/貫葉蓼	Climbing herb	common	**		**									**						
<i>Polygonum plebeium</i> 腋花蓼/習見蓼	Herb	Restricted, often found in											**							

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		cultivated area																			
<i>Portulaca oleracea</i> 馬齒莧/瓜子菜	Herb	Very common													*						*
<i>Pouzolzia zeylanica</i> 霧水葛	Perennial herb	Common																*	*		
<i>Prunus persica</i> 桃	Tree	Exotic, planted								*		*									
<i>Psidium guajava</i> 芭樂	Tree	Exotic, common, often planted	*							*	*			*	*				*		
<i>Psychotria asiatica</i> 九節/山大刀	Shrub/small tree	Very common								**	***					*					
<i>Pteris multifida</i> 井欄邊草/裂葉蕨	Herb	Very common									*										*
<i>Pterocypsela indica</i> 翅果菊/山高苣	Herb	Common								*				*							
<i>Pueraria lobata</i> 葛/野葛	Climber	Very common													**				**	*	
<i>Pycneus flavidus</i> 球穗扁莎	Herb	Common												*		*					
<i>Pycneus polystachyus</i> 多穗扁莎	Herb	Very common	*			**	*			*		*		**							
<i>Ranunculus sceleratus</i> 石龍芮	Herb	Restricted												*							
<i>Ravenala madagascariensis</i> 旅人蕉	Tree	Exotic, planted																	*		
<i>Reevesia thyrsoidea</i> 梭羅樹	Tree	Common									*										
<i>Rhaphiolepis indica</i> 石斑木/車輪梅/春花	Shrub/small tree	Very common	**							**	*			**							
<i>Rhododendron pulchrum</i> 錦繡杜鵑	Shrub	Exotic																	***		
<i>Rhodomyrtus tomentosa</i> 桃金娘/崗稔	Shrub	Very common, also planted								***	**			**	*						
<i>Rhus chinensis</i> 鹽膚木	Shrub/small tree	Common	*							**	*			*							
<i>Rhus hypoleuca</i> 白背鹽膚木/白背漆	Shrub/small	Common								*	*					*					

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	tree																				
<i>Rhus succedanea</i> 木蠟樹/野漆樹	Shrub/small tree	Common									***	**									
<i>Rhynchelytrum repens</i> 紅毛草	Herb	Exotic, very common				**		*	*	**	*	*	**	*	*	*				*	
<i>Ricinus communis</i> 蓖麻	Shrub	Exotic, restricted										*					*			*	
<i>Roystonea regia</i> 王棕	Palm	Exotic, often planted																		*	
<i>Rubus leucanthus</i> 白花懸鉤子	Climbing shrub	Common									*										
<i>Rumex trisetifer</i> 長刺酸模/假菠菜	Herb	Common												*							
<i>Sagittaria sagittifolia</i> 慈菇	Herb	Restricted, often planted												*							
<i>Salix babylonica</i> 垂柳/柳	Tree	Exotic, often planted												*	*						
<i>Sansevieria trifasciata</i> 虎尾蘭	Perennial herb	Exotic, often planted																		*	
<i>Sapium discolor</i> 山烏柏	Tree	Very common									**	*		**							
<i>Sapium sebiferum</i> 烏柏	Tree	Common	**	**							***	*	*	*	*	*			*		
<i>Saururus chinensis</i> 三白草	Herb	Restricted												*							
<i>Schefflera arboricola</i> 鵝掌藤/鵝掌檉	Climbing shrub	Exotic, often planted										*								**	
<i>Schefflera heptaphylla</i> 鵝掌柴/鴨腳木	Tree	Very common										***	*		*						
<i>Schoenoplectus validus</i> 莞	Herb	Exotic, planted												*							
<i>Scirpus mucronatus</i> 水毛花	Herb	Often planted												**							
<i>Scleria ciliaris</i> 緣毛珍珠茅/華珍珠茅	Herb	Very Common									***										
<i>Scoparia dulcis</i> 野甘草	Herb	Exotic, common									*		*	*	*			*	*		
<i>Sesbania cannabina</i> 田菁	Herb	Exotic, common	***							**	*	*	**	**	*			*	*		

Species	Growth form	Status in HK ¹	Ecological Assessment Area																	
			LMC Loop							Area B / Added Area B										
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
<i>Sesbania javanica</i> 沼生田菁	Herb	Common	**										*							*
<i>Setaria glauca</i> 金色狗尾草	Perennial Herb	Common								***				*						
<i>Sida acuta</i> 黃花稔	Subshrub	Common	**							**				*		*			**	
<i>Smilax china</i> 金剛藤	Climbing shrub	Very common								**	*			*						
<i>Smilax glabra</i> 土茯苓/光葉菝葜	Climbing shrub	Very common									**									
<i>Solanum nigrum</i> 龍葵	Herb	Common								*		*		**	*				*	
<i>Solanum torvum</i> 水茄	Shrub	Common								**	*					*				
<i>Sonchus oleraceus</i> 苦苣菜	Herb	Exotic, very common												*					*	
<i>Spathodea campanulata</i> 火焰樹/火焰木	Tree	Exotic, often planted								*		*							**	
<i>Spermacoce stricta</i> 豐花草	Herb	Restricted																*		
<i>Spilanthes grandiflora</i> 大花金鈕扣	Herb	Restricted																**		
<i>Spilanthes paniculata</i> 金鈕扣	Herb	Common										**	*					**	*	
<i>Sporobolus fertilis</i> 鼠尾粟	Perennial herb	Very common								**				*						
<i>Stephania longa</i> 糞箕篤/千金藤	Climber	Common								*	*									
<i>Sterculia lanceolata</i> 假蘋婆/七姐果	Tree	Very common								**	***			*						
<i>Syzygium cumini</i> 海南蒲桃/毒狗藥	Tree	Exotic									*								*	
<i>Syzygium jambos</i> 蒲桃	Tree	Exotic, common, in <i>Fung Shui</i> wood, also planted								*	**	**	*		*				**	
<i>Tetracera asiatica</i> 錫葉藤	Woody climber	Very common								**	*									

Species	Growth form	Status in HK ¹	Ecological Assessment Area																	
			LMC Loop									Area B / Added Area B								
			GRD & GRD/SHD	Plantation	Orchard	RD/MA	Pond	Natural watercourse	Channelized watercourse	UR/REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG
<i>Thuja orientalis</i> 側柏/扁柏	Tree	Exotic, often planted																	*	
<i>Tibouchina semidecandra</i> 巴西野牡丹	Shrub	Exotic, planted for ornamental purpose																	*	
<i>Tithonia diversifolia</i> 腫柄菊/假向日葵	Perennial herb	Exotic, common								**										
<i>Trema tomentosa</i> 山黃麻	Shrub/small tree	Common								**	**		*	*	*					
<i>Tridax procumbens</i> 羽芒菊/中美高	Herb	Exotic, very common	**			*		*	*	*		**	**						*	
<i>Triumfetta rhomboidea</i> 刺蒴麻	Subshrub	Common								*										
<i>Typha angustifolia</i> 水燭	Herb	Exotic, regarded as Rare in Xing <i>et al.</i> (2000), widely established in HK in recent years												*				**		
<i>Urena lobata</i> 肖梵天花/竊頭婆	Herb/shrub	Common								**			**						*	
<i>Uvaria macrophylla</i> 紫玉盤	Climbing shrub	Common									**									
<i>Vernonia cinerea</i> 夜香牛	Herb	Very common	*										*	*					*	
<i>Vitex negundo</i> 黃荊	Shrub/small tree	Common	**																	
<i>Wedelia trilobata</i> 三裂葉蟛蜞菊	Perennial herb	Exotic, common, widely planted	***					**	**	**	*	**	**	*			**	**	*	
<i>Youngia japonica</i> 黃鵪菜	Herb	Very common									*	*	*						*	*
<i>Zanthoxylum avicennae</i> 筲欖花椒	Tree	Common							**	**										
<i>Zanthoxylum nitidum</i> 兩面針	Climber	Very common							**											
<i>Zephyranthes candida</i> 蔥蓮/玉簾	Perennial	Exotic																	*	

Species	Growth form	Status in HK ¹	Ecological Assessment Area																		
			LMC Loop									Area B / Added Area B									
			GRD & GRD/ SHD	Plantation	Orchard	RD/ MA	Pond	Natural watercourse	Channelized watercourse	UR/ REA	GRD & GRD/SHD & SHD	Secondary woodland	Plantation & Orchard	MA & RD/MA & SWG	Mitigation wetland	Pond	Natural watercourse	Marsh	Channelized watercourse	UR/REA & VA & WAG	WAL & DAL
	Herb																				
	Total	376	78	12	9	25	7	17	18	17	210	140	75	140	221	112	44	37	79	210	47

Table A12-2. Plant species recorded in habitats to be disturbed/ impacted by the western connection road with cycle track and the eastern connection road during surveys in 2009-10 (GRD – Grassland; SHD – Shrubland; MA – Marsh; RD/MA – Reed marsh; SWG – Seasonally wet grassland; UR/REA - Urban/Residential Area; VA - Village Area; WAG – Wasteground; WAL – Wet agricultural land; DAL – Dry agricultural land).

1: Plant status based on the reference Xing et al. (2000) and other relevant botanical reviews

2: Abundance of plant: "*" - Scarce; "**" - Often record; "***" - Abundant; "****" - Very abundant

Species	Growth form	Status in HK ¹	Western Connection Road						
			GRD/ SHD	RD/ MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard
<i>Acalypha wikesiana</i> 紅桑	Shrub	Exotic						*	
<i>Ageratum conyzoides</i> 藿香薊/勝紅薊	Herb	Exotic, very common		**	*			*	
<i>Albizia lebback</i> 大葉合歡	Tree	Exotic, common, often planted						*	
<i>Aleurites moluccana</i> 石栗	Tree	Exotic, commonly planted						**	
<i>Allamanda cathartica</i> 軟枝黃蟬	Climbing shrub	Exotic, commonly planted						**	
<i>Alocasia odora</i> 海芋	Perennial herb	Very common			*		*	*	
<i>Alternanthera sessilis</i> 蝦鉗菜/蓮子草	Perennial herb	Common		**		**			
<i>Amaranthus viridis</i> 綠莧/野莧	Herb	Very common	*	*				*	
<i>Aporosa dioica</i> 銀柴/大沙葉	Tree	Very common					**		
<i>Araucaria heterophylla</i> 異葉南洋/南洋杉	Tree	Exotic, commonly planted						*	
<i>Archontophoenix alexandrae</i> 假檳榔	Tree palm	Exotic, often planted						*	
<i>Artocarpus macrocarpus</i> 菠蘿蜜	Tree	Exotic, commonly planted for fruits			*				
<i>Asparagus densiflorus</i> cv. <i>Sprengeri</i> 非洲天門冬	Climbing herb	Exotic						**	
<i>Bambusa</i> spp. 籐竹屬	Clumped tree bamboo	Exotic, common						**	
<i>Bauhinia variegata</i> 宮粉羊蹄甲	Tree	Exotic, often planted					*	*	

Species	Growth form	Status in HK ¹	Western Connection Road						
			GRD/ SHD	RD/ MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard
<i>Bidens alba</i> 白花鬼針草	Herb	Exotic, very common	**	**	**	**	*	*	
<i>Boehmeria nivea</i> 芋麻	Subshrub/Shrub	Exotic, restricted		*					
<i>Bombax ceiba</i> 木棉	Tree	Exotic, commonly planted	*	*		*			
<i>Bothriochloa bladhii</i> 臭根子草	Herb	Very common	**						
<i>Bothriochloa ischaemum</i> 白羊草/ 鴨咀孔穎草	herb	common		**					
<i>Bougainvillea spectabilis</i> 葉子花/ 毛寶巾/賀春紅	Climber	Exotic, common, often planted						*	
<i>Brachiaria mutica</i> 巴拉草/爬拉草	Perennial herb	Exotic, common	***	***	** *	***	*	*	
<i>Bridelia tomentosa</i> 土蜜樹/逼迫仔	Shrub/Small tree	Very common					*	*	
<i>Callistemon viminalis</i> 串錢柳	Tree	Exotic, often planted						*	
<i>Carica papaya</i> 番木瓜/萬壽果	Tree	Exotic, widely cultivated						*	
<i>Carmona microphylla</i> 基及樹/福 建茶	Shrub	Exotic						*	
<i>Cassia alata</i> 翅莢決明	Shrub	Exotic, often planted		*				*	
<i>Casuarina equisetifolia</i> 木麻黃/牛 尾松	Tree	Exotic, often planted in plantation and along roadside, apparently semi-naturalized in the nature						**	
<i>Celtis sinensis</i> 欖樹	Tree	Common, often planted	*	*			**	*	*
<i>Chloris barbata</i> 孟仁草/ 虎尾草	Perennial herb	Very common	**					*	
<i>Cinnamomum camphora</i> 樟	Tree	Common, also widely planted		*			**	*	*
<i>Citrus maxima</i> 柚	Tree	Exotic, widely cultivated for fruits						*	*
<i>Clausea lansium</i> 黃皮	Small tree	Exotic, common, widely cultivated for fruits							*
<i>Codiaeum variegatum</i> 變葉木/灑 金榕	Shrub	Exotic, often planted						*	
<i>Colocasia esculenta</i> 芋	Herb	Common, often cultivated		*	*				

Species	Growth form	Status in HK ¹	Western Connection Road						
			GRD/SHD	RD/MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard
<i>Commelina diffusa</i> 節節草	Herb	Common		***	*	**			
<i>Conyza Canadensis</i> 小蓬草/小白酒草	Herb	Exotic, very common	*	*				*	
<i>Cordyline fruticosa</i> 朱蕉/鐵樹	Shrub	Exotic, often planted	*					*	
<i>Cuscuta australis</i> 南方菟絲子	Herb	Common		**	*				
<i>Cyclosorus interruptus</i> 間斷毛蕨 / 毛蕨	Herb	Very common		***					
<i>Cynodon dactylon</i> 狗牙根/絆根草	Perennial herb	Common			**			**	
<i>Cyperus malaccensis</i> 茼蒿	Herb	Common		*		*			
<i>Desmodium tortuosum</i> 南美山螞蝗/扭莢山綠豆	Subshrub	Exotic, common							
<i>Desmos chinensis</i> 假鷹爪/酒餅葉	Woody climber	Common					*		
<i>Digitaria ciliaris</i> 升馬唐	Herb	Very common	**						
<i>Dimocarpus longan</i> 龍眼/桂圓	Tree	Exotic, restricted species but often found in <i>fung shui</i> wood, widely cultivated and semi-naturalized	*				**	*	
<i>Dombeya wallichii</i> 吊芙蓉	Shrub	Exotic, often planted						*	
<i>Duranta erecta</i> 假連翹	Climbing shrub	Exotic, common and often planted for ornamental purpose						**	
<i>Echinochloa colona</i> 光頭稗	Herb	Common		**				*	
<i>Eichhornia crassipes</i> 鳳眼藍/大萍	Aquatic herb	Exotic, common		**					
<i>Eleusine indica</i> 牛筋草 / 蟋蟀草	Herb	Very common	**	**				*	
<i>Emilia sonchifolia</i> 一點紅 / 雞腳草	Herb	Very common			*			*	
<i>Erythrina variegata</i> 刺桐	Tree	Exotic, often planted						*	
<i>Eupatorium catarium</i> 假臭草	Herb	Exotic, very common	*					*	

Species	Growth form	Status in HK ¹	Western Connection Road						
			GRD/SHD	RD/MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard
<i>Euphorbia heterophylla</i> 白苞猩猩草/柳葉大戟	Perennial herb	Exotic, pantropical weed of tropical American origin, found in restricted area in HK	*	*					
<i>Euphorbia hirta</i> 飛揚草	Herb	Exotic, very common			*			*	
<i>Euphorbia hypericifolia</i> 通奶草	Herb	Common			*				
<i>Ficus elastic</i> 印度榕/印度橡樹	Tree	Exotic, common, often planted						*	
<i>Ficus hirta</i> 粗葉榕/牛奶仔	Shrub/small tree	Common					*		
<i>Ficus hispida</i> 對葉榕/牛乳樹	Shrub/small tree	Very common	*	*	*		*	*	
<i>Ficus microcarpa</i> 榕樹/細葉榕	Tree	Common and commonly planted					*	*	
<i>Ficus microcarpa</i> cv. Golden Leaves 黃金榕	Shrub	Exotic, common ornamental plant						**	
<i>Ficus variegata</i> var. <i>chlorocarpa</i> 青果榕	Tree	Common					*	*	
<i>Glochidion lanceolarium</i> 艾膠算盤子/大葉算盤子	Shrub	Common		*	*				
<i>Hamelia patens</i> 長隔木/希美利	Shrub	Exotic, often planted						*	
<i>Hedychium coronarium</i> 薑花	Perennial herb	Exotic, usually cultivated		*					
<i>Hedyotis diffusa</i> 白花蛇舌草	Herb	Very common			*		*		
<i>Hedyotis hedyotide</i> 牛白藤	Climbing subshrub	Very common	*						
<i>Hibiscus rosa-sinensis</i> 朱槿/扶桑/大紅花	Shrub	Exotic, often planted						**	
<i>Ilex asprella</i> 梅葉冬青	Shrub	Very common					*		
<i>Imperata koenigii</i> 絲茅	Herb	Common	**	**		*		*	
<i>Ipomoea aquatic</i> 蘿菜/甕菜	Herb	Exotic, very common		**					
<i>Ipomoea cairica</i> 五爪金龍	Climber/ Twining herb	Exotic, very common		***	*		*		
<i>Ipomoea obscura</i> 小心葉薯/紫心牽牛	Climber	Common	*						*

Species	Growth form	Status in HK ¹	Western Connection Road						
			GRD/SHD	RD/MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard
<i>Ipomoea triloba</i> 三裂葉薯/三裂葉牽牛	Herb	Common					*		
<i>Ixora chinensis</i> 龍船花/山丹	Shrub	Restricted, widely planted						*	
<i>Ixora coccinea</i> 紅仙丹花/橙紅龍船花	Shrub	Exotic, often planted						**	
<i>Jatropha integerrima</i> 全緣葉珊瑚	Shrub	Exotic						*	
<i>Kyllinga aromatic</i> 香根水蜈蚣	Herb	Exotic, common		*					
<i>Kyllinga brevifolia</i> 短葉水蜈蚣	Herb	Common		**	*				
<i>Kyllinga monocephala</i> 單穗水蜈蚣	Herb	Very common		*	*				
<i>Lagerstroemia indica</i> 紫薇	Shrub	Exotic, regarded as Rare in Xing <i>et al.</i> (2000); all wild <i>Lagerstroemia</i> spp. are protected by law in HK. The specimens recorded in this survey are planted in urban/residential area.						*	
<i>Lagerstroemia speciosa</i> 大花紫薇/洋紫薇	Tree	Exotic, common, often planted						*	
<i>Lantana camara</i> 馬纓丹/如意草	Shrub	Exotic, very common	*	*	*	*	*	*	*
<i>Leersia hexandra</i> 李氏禾/蓉草	Herb	Common		**					
<i>Leucaena leucocephala</i> 銀合歡	Small tree	Exotic, locally common, planted or naturalized in disturbed area	*	*	*	*	*	**	*
<i>Ligustrum sinense</i> 山指甲/小蠟樹	Shrub/Small tree	Common, also planted	*				*	*	*
<i>Liriope spicata</i> 山麥冬/麥門冬	Herb	Very common					*		
<i>Litchi chinensis</i> 荔枝	Tree	Exotic, widely cultivated for fruits, also planted in Fung Shui wood					*	*	**
<i>Litsea cubeba</i> 木薑子/山蒼樹	Tree	Common					*		
<i>Litsea glutinosa</i> 潺槁樹	Tree	Very common		*			**		
<i>Litsea rotundifolia</i> var.	Tree	Very common					*		

Species	Growth form	Status in HK ¹	Western Connection Road							
			GRD/SHD	RD/MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard	
<i>oblongifolia</i> 豺皮樟										
<i>Ludwigia octovalvis</i> 毛草龍	Perennial herb	Common		*						
<i>Ludwigia hyssopifolia</i> 草龍	Perennial herb	Common		*					*	
<i>Lygodium japonicum</i> 海金沙/羅網藤	Climber	Very common	*	**						
<i>Macaranga tanarius</i> 血桐	Tree	Common, often widely planted	*	*	*		*	**	*	
<i>Macrothelypteris torresiana</i> 普通針毛蕨	Herb	Very common								
<i>Maesa perlaris</i> 鯽魚膽	Shurb	Common					**			
<i>Mallotus paniculatus</i> 白楸	Shrub/small tree	Very common					*		*	
<i>Mangifera indica</i> 芒果	Tree	Exotic, widely cultivated for fruits		*					*	*
<i>Melaleuca quinquenervia</i> 白千層	Tree	Exotic, commonly planted			*			**		
<i>Melastoma candidum</i> 野牡丹	Shrub	Common	**	*			*			
<i>Melia azedarach</i> 棟/苦棟/森樹	Tree	Exotic, commonly planted		*	*		*			*
<i>Melicope pteleifolia</i> 蜜菜莢/三椏苦	Shrub/small tree	Common					*			
<i>Michelia x alba</i> 白蘭	Tree	Exotic, planted							*	
<i>Microcos paniculata</i> 破布葉/布渣葉	Shrub/small tree	Common					**	*		*
<i>Microstegium ciliatum</i> 剛莠竹	Herb	Very common		***						
<i>Mikania micrantha</i> 薇甘菊	Climbing herb	Exotic, very common	*	***	*	*	*	*	*	*
<i>Mimosa pudica</i> 含羞草	Herb	Exotic, very common	*		*					
<i>Mirabilis jalapa</i> 紫茉莉	Herb	Exotic, often planted							*	
<i>Miscanthus sinensis</i> 芒/茅丁	Herb	Very common	*	*						
<i>Morus alba</i> 桑	Tree	Common, semi-naturalized in HK								*
<i>Murraya paniculata</i> 九裡香/月橘	Tree	Exotic, often planted							*	

Species	Growth form	Status in HK ¹	Western Connection Road							
			GRD/ SHD	RD/ MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard	
<i>Musa x paradisiacal</i> 大蕉/甘蕉	Herb	Exotic, common, often cultivated for fruits		*	*			*	*	**
<i>Nerium oleander</i> 夾竹桃	Shrub	Exotic, common ornamental plant							*	
<i>Neyraudia reynaudiana</i> 類蘆/石珍茅	Herb	Very common	*					*		
<i>Oxalis corniculata</i> 酢漿草	Perennial herb	Very common								
<i>Paederia scandens</i> 雞矢藤	Climber	Very common		*				*		*
<i>Pandanus furcatus</i> 分叉露兜	Shrub/Small tree	Very common						*		
<i>Panicum maximum</i> 大黍	Herb	Exotic, very common	***	**	**	**	**	*	*	*
<i>Panicum paludosum</i> 水生黍	Perennial herb	Common		**						
<i>Paspalum conjugatum</i> 兩耳草	Herb	Exotic, common	*	**					*	
<i>Pennisetum alopecuroides</i> 狼尾草/狗仔草	Herb	Common	*	*						
<i>Pennisetum purpureum</i> 象草/紫狼尾草	Herb	Exotic, very common								*
<i>Phragmites australis</i> 蘆葦	Herb	Very common		*		*				
<i>Phyllanthus cochinchinensis</i> 越南葉下珠/鐵包金	Shrub	Common						*		
<i>Phyllanthus emblica</i> 余甘子/油甘子	Shrub/small tree	Very common						*		*
<i>Phyllanthus reticulatus</i> 小果葉下珠/爛頭砵	Shrub	Common						*		
<i>Phyllanthus urinaria</i> 葉下珠/珍珠草	Herb	Common			*					
<i>Pinus</i> spp. 松屬	Tree	Exotic, often planted in plantation	*					*		
<i>Plumeria rubra</i> 雞蛋花/紅雞蛋花	Tree	Exotic, often planted							*	
<i>Polygonum barbatum</i> 毛蓼	Herb	Common		*						

Species	Growth form	Status in HK ¹	Western Connection Road						
			GRD/ SHD	RD/ MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard
<i>Polygonum chinense</i> 火炭母/五毒草	Herb	Common		**					
<i>Polygonum lapathifolium</i> 大馬蓼/白辣蓼	Herb	Common		*					
<i>Pouzolzia zeylanica</i> 霧水葛	Perennial herb	Common						*	
<i>Prunus persica</i> 桃	Tree	Exotic, planted							*
<i>Psychotria asiatica</i> 九節/山大刀	Shrub/small tree	Very common					**		
<i>Rhaphiolepis indica</i> 石斑木/車輪梅/春花	Herb	Common	*				*		
<i>Rhodomyrtus tomentosa</i> 桃金娘/崗稔	Shrub	Very common, also planted	*				*		
<i>Rhus chinensis</i> 鹽膚木	Shrub/small tree	Common					*		
<i>Rhus hypoleuca</i> 白背鹽膚木/白背漆	Shrub/small tree	Common					*		
<i>Rhus succedanea</i> 木蠟樹/野漆樹	Shrub/small tree	Common					*		
<i>Rhynchelytrum repens</i> 紅毛草	Herb	Exotic, very common	*	*		*		*	
<i>Roystonea regia</i> 王棕	Palm	Exotic, often planted						*	
<i>Sansevieria trifasciata</i> 虎尾蘭	Perennial herb	Exotic, often planted						*	
<i>Sapium discolor</i> 山烏柏	Tree	Very common					*		
<i>Sapium sebiferum</i> 烏柏	Tree	Common		*					*
<i>Schefflera arboricola</i> 鵝掌藤/鵝掌槩	Climbing shrub	Exotic, often planted						*	
<i>Schefflera heptaphylla</i> 鵝掌柴/鴨腳木	Tree	Very common					*		*
<i>Scoparia dulcis</i> 野甘草	Herb	Exotic, common		*					
<i>Sesbania javanica</i> 沼生田菁	Herb	Common		*					
<i>Smilax china</i> 金剛藤	Climbing shrub	Very common					*		

Species	Growth form	Status in HK ¹	Western Connection Road							
			GRD/SHD	RD/MA & MA	Pond	Natural watercourse	Secondary woodland	UR/REA & VA	Plantation & Orchard	
<i>Solanum nigrum</i> 龍葵	Herb	Common	*						*	*
<i>Solanum torvum</i> 水茄	Shrub	Common								*
<i>Spilanthes paniculata</i> 金鈕扣	Herb	Common							*	
<i>Stephania longa</i> 糞箕篤/千金藤	Climber	Common					*			
<i>Sterculia lanceolata</i> 假蘋婆/七姐果	Tree	Very common					**			
<i>Syzygium jambos</i> 蒲桃	Tree	Exotic, common, in <i>Fung Shui</i> wood, also planted							*	*
<i>Tetracera asiatica</i> 錫葉藤	Woody climber	Very common					*			
<i>Thuja orientalis</i> 側柏/扁柏	Tree	Exotic, often planted							*	
<i>Tithonia diversifolia</i> 腫柄菊/假向日葵	Perennial herb	Exotic, common	**							
<i>Trema tomentosa</i> 山黃麻	Shrub/small tree	Common					*			
<i>Uvaria macrophylla</i> 紫玉盤	Climbing shrub	Common					**			
<i>Wedelia trilobata</i> 三裂葉蟛蜞菊	Perennial herb	Exotic, common, widely planted	**	**						*
<i>Youngia japonica</i> 黃鵪菜	Herb	Very common							*	
<i>Zanthoxylum avicennae</i> 筋欖花椒	Tree	Common					*			
	Total	166	51	89	33	19	68	92	30	