Fleam Dyke species list – Flowering plants and ferns

Compiled by David J. Barden Covering up to the end of 2009 Last updated 9 December 2012

		l	Jp to 1999				2000	-2009	9 inc	lusi	ve	
Scientific name	Common name	All	Ref.	1a	1b		tion 2a	2b	3		Ref.	Notes
Acer campestre Acer pseudoplatanus	Field Maple Sycamore	P	CFR, TBV, SL, BSBI, MW					P	P	P	JDS JDS	Described as "very rare, clearly alien to the vegetation of the dyke" in 1911 (TBV). In section 1a, described as "locally frequent" in 1998; not noted since, but very likely to be present.
Achillea millefolium	Yarrow	Р	CFR, TBV, SL, BSBI, MW	R				Р	Р	Р	CFR, JDS, NL11	Described as "occasional" in 1911 (TBV).
Aesculus hippocastanum	Horse-chestnut	Р	SL						Р		JDS	
Agrimonia eupatoria	Common Agrimony	Р	CFR, SL, BSBI, MW	LA				Р			JDS, SH, NL11	Only in quantity at the water-pipe gap in section 1a (NL11), where it has greatly expanded in recent years (SH).
Agrostis capillaris	Common Bent		CFR, TBV, SL			?	?			?		Described as "rare" in sections 1b+c, and "occasional" in section 2a in 1998 (SL), but not noted since. Described as "local" in 1911 (TBV).
Agrostis stolonifera	Creeping Bent		SL		?			P			JDS	Described as "occasional to locally frequent" in section 1a in 1998 (SL), but not noted on that section since.
Alliaria petiolata	Garlic Mustard	Р	SL, BSBI, MW		Р				Р	Р	JDS	In section 2a, described as "occasional" in 1998 (SL), but not noted since.
Anacamptis pyramidalis	Pyramidal Orchid	Р	CFR, TBV, MW				R			Р	JDS, NL22, SH	Four seen in 2006 (NL22); three seen in flower in June 2008 (JDS); "a handful" in flower in 2009, only where the rabbits weren't grazing (SH). Described as "rare" in 1911 (TBV).
Anagallis arvensis	Scarlet Pimpernel		CFR, TBV		P			P	-		JDS	Described as "rare, clearly alien to the vegetation of the dyke" in 1911 (TBV).
Anisantha sterilis Anthemis cotula	Barren Brome Stinking Chamomile	P	BSBI, MW MW		۲	l		P	Р	P E?	JDS	Only noted in 1981 (MW).
Anthriscus sylvestris	Cow Parsley		CFR, SL, BSBI, MW		Р			Р	Р		JDS	ony naced in 1001 (init).
Anthyllis vulneraria	Kidney Vetch	P	CFR, GoC, TBV		R					P	SH	Only recently seen at top of 2nd set of steps SE of old railway (IW, communicated by SH), but not noted since; more may persist elsewhere but perhaps not favoured by rabbit-grazing (SH). Noted in 1909 (GoC), and described as "abundant" in 1911 (TBV).
Aphanes arvensis*	Parsley-piert	Р	CFR							Е		Described as "fallows, Fleam Dyke" in 1905 (CFR).
Aquilegia vulgaris	Columbine				P	P				P	JDS, DJB, BSBI	Numerous plants on Mutlow Hill and also on the bank of the dyke to the NW, with different flower colours (DJB). Very likely to have been introduced (there are no pre-2000 records, but it has been there "since 2003 at least" (JN)), and apparently spreading ("4 scattered plants" on Mutlow Hill in 2004 (DJB, BSBI)).
Arabis hirsuta	Hairy Rock-cress	Р	CFR							Е		Only one record, from "Fleam Dyke" from 1910s (CFR).
Arctium lappa	Greater Burdock				Р					Р	JDS	
Arctium minus	Lesser Burdock		CFR, SL, BSBI		Р			Р	Р	Р	JDS	Ssp. minus described as "quite frequent" in chalk grassland in 1989 (CFR).
Arenaria serpyllifolia	Thyme-leaved Sandwort	Р	SL			?		P			JDS	Described as "rare to occasional" on sections 1b+c in 1998 (SL), but not noted there since.
Arrhenatherum elatius	False Oat-grass		CFR, TBV, SL, MW		Р			Р	Р		JDS	Described as "local, mainly or exclusively in the ditch where the soil is deeper and not so dry" in 1911 (TBV).
Artemisia vulgaris	Mugwort	Р	SL, BSBI, MW		Р			P			CFR, JDS	
Arum maculatum Asperula cyanchica	Lords and Ladies Squinancywort	Р	CFR, TBV,		P F	1	0	P	Р	P	JDS JDS, NL24,	In good quantity in section 1b, slowly petering out
Astragalus danicus	Purple Milk-vetch		SL, BSBI, MW CFR, TBV,	?	R		0				SH	SE'wards, and not reaching the summit (SH). Described as "abundant" in 1911 (TBV). A total of 15 patches (clones) currently known on the
- I agains surious	. S.p.o mint votori		BSBI									whole dyke (SH). Described as "locally abundant" in 1911 (TBV).
Atriplex patula	Common Orache		OED TO!					Р		Р	JDS	Described as Bosses should be Provided to
Avena fatua	Wild Oat		CFR, TBV				_			Е	011	Described as "rare, clearly alien to the vegetation of the dyke" in 1911 (TBV) - this is the last record.
Avenula pratensis {Helictotrichon pratense}	Meadow Oat-grass		CFR, TBV, SL, BSBI		LF		LF				SH IDS SH	Described as "locally subdominant" in 1911 (TBV).
Avenula pubescens {Helictotrichon pubescens} Ballota nigra	Downy Oat-grass Black Horehound		CFR, BSBI SL, BSBI,	LA	F		R	 P	Р		JDS, SH CFR, JDS	
		_	MW		r	ı	<u> </u>				·	
Barbarea vulgaris Bellis perennis	Winter-cress Daisy	Р	BSBI		P	<u> </u>	1	P	Р	P	JDS JDS	
Berberis vulgaris	Barberry		CFR, BSBI		Ĺ			P			JDS	Known since 1987 in section 2b near Dungate Farm (CFR, BSBI).
Betula pendula	Silver Birch	Р	CFR, TBV, SL, MW				Р			Р	JDS, SH	Described as "local, clearly alien to the vegetation of the dyke" in 1911 (TBV).
Betula pubescens	Downy Birch	Р	TBV					P		Р	JDS	Described as "local, clearly alien to the vegetation of the dyke" in 1911 (TBV).
Brachypodium pinnatum	Tor-grass	Р	CFR, SL, MW		Р		Р			Р	JDS, SH	Single patches in sections 1b and 2a; not seen elsewhere (SH).
Brachypodium sylvaticum	False Brome	Р	TBV, SL, BSBI, MW		Α			A	Α		JDS, SH	Described as "local" in 1911 (TBV).
Brassica nigra	Black Mustard	Р	TBV							E?		Described as "rare, clearly alien to the vegetation of the dyke" in 1911 (TBV).

Supplied Number Supplied N	la :	lo .:	-	OFF TOU	_	_	_	_	_		_	Lina aii	In 1 () 1 () 1 () 1 () 1
Bummans and Luppy Bumman P CH, SL, LW P P P P D P B DS Brown dock Mine Synoly P SL, LW P SL, LW P P P DS Brown dock Mine Synoly P SL, BSS P P P P DS Bumban sempervers DS DS DS DS DS DS DS Bumban sempervers DS DS DS DS DS DS DS D	Briza media	Quaking-grass	Р		R	Р	Р	Р	Р		Р	JDS, SH, NL11	Only frequent in section 1b (SH). Described as "very abundant" in 1911 (TBV).
Generation common Steps beame P. St., MW No. No. P. P. P. No. No. P. P. No.	Bromopsis erecta	Upright Brome	Р	CFR, SL,	Р	Р	Р	Р		Р	Р	JDS	
Byone dichical Willie Sydry P. St., BSBI, P.	Promonois romosa	Hairy bromo	D							Ь	D	IDS	
Auto-				,		P			P				
May No.Co. May	Diyona diolea	Willie Bryony	'					'	'		'	l D D D	
Souther and order Souther P SL P P P P P P R R P D D D D D D D D D	Buxus sempervirens	Box	Р						Α	Α	Р	JDS	Planted.
Caregorulus glumeratis Classered Belifiverer P CFR, TEW, MAY A F F F F O R P JUS, CLI, MA, Naty Indicate processor is a roll of the special processor in 1998 (25), Lb All has since desired and some control of the special processor in 1998 (25), Lb All has since desired and some control of the special processor in 1998 (25), Lb All has since desired and some control of the special processor in 1998 (25), Lb All has since desired and some control of the special processor in 1998 (25), Lb All has since desired and some control of the special processor in 1998 (25), Lb All has since desired in 199	Buddleia davidii	Buddleia	Р					E?			E?		In section 2a, described as "rare" in 1998 (SL) - likely
SL. 658. MW S. SH. W. N. H. S. SH. J.C. M. N. H. J. Sold, J.C. M. N. H. J. Sold J.C. M. N. J. Sold J.C. M. J. Sold J.C. M	Campanula glomerata	Clustered Bellflower	Р	CFR TBV	Р	Р	Р		R	R	Р	JDS DJB	Appeared in abundance in section 1a in 2004 and 2005
S.S., SSIS, MAY Campanial trachelum Nettle-leaved Beliflower P. GFR, SL, SSIS, WW Campanial trachelum Nettle-leaved Beliflower Campanial trachelum Ca				SL, BSBI,									(SH, DJB, NL11) following scrub clearance in 2003 (having been described as "rare to occasional" on this section in 1998 (SL)), but has since declined (SH, DJB). Surprisingly absent from section 2a; only one plant seen in section 2b, and six in section 3 (SH). Remarkably, one plant seen in flower on 3 Jan 2006 (IW). Described
Carponalis attachelum Nottle-leaved Billifover Softmands sativa Carrotide Studies Noted Tribitle P St. St. P P P P P P P P P P P P P	Campanula rotundifolia	Harebell	Р	SL, BSBI,	Α	F	F	F	0	R	Р		Flowered in abundance in section 1a in 2004 and 2005 (DJB) following scrub clearance in 2003 (having been described as "rare to occasional" on this section in 1998 (SL)), but has since declined (DJB). Described as "races
Carross assive Connected assive Connected Systy-devil gursse P St. P P P P P P P P P P P P P P P P P P P	Campanula trachelium	Nettle-leaved Bellflower	Р	, ,						0	Р		occasional in 1911 (TBV).
Carex large as the processor of the control of the	Cannabis sativa	Cannabis		DODI, IVIVV		Р					Р	JDS	"One big_healthy plant in ditch" in 2008 / IDS\
Cardaus nutairs Nedding Thatite P St. P P P P P DJDS, NLZ Cardaus nutairs Nedding Thatite P CFR, StW Spring-sedge P CFR, StW Spring-sedge P CFR, StW SSBI, NCB Carex caryophylea Spring-sedge P CFR, StW SSBI, NCB Carex ercetorum Scarce Spring-sedge P CFR SSBI, NCB SSBI, NCB SSBI, NCB P P P D J J J J J J J J J J J J J J J J			Р	SL	\vdash	H			P	Р			5.15 Sig, Housing plant in altern in 2000 (005).
Care caryophyllea Spring-eedge P CFR, SL, P P P P JDS, NL7 Aboundant color all a rough (CFR) and described as Seash in 1888 (SL). Care caryophyllea Spring-eedge P CFR, TSV, GSBI, NCG P CFR, TSV, GSBI, NCG P CFR, TSV, GSBI, NCG P JDS, DJB, First peer 1908 (CFR) and described are for the color of						Р							C. acanthoides has been split off from C. crispus, and
Carex caryophylea Spring-sedge P CFR, T8V, BSBI, NIC9 LA LA LA P JUS, DJB, First seen 1908 (CFR), and described as "or conceptious press when not in full flower)", should not be supprisingly few records the CFR, BSBI, NIC9 Carex ericetorum Scarce Spring-sedge P CFR B E L Corpy seen twice, in 1965 and 1972 (CFR, Month of the CFR, BSBI, MSBI, MSBI	<u> </u>				L			L					was recorded as such in 1998 (SL).
Carex caryophylea Spring-sodge P CFR, TBV, BSBI, NIC2 SSBI, NIC	Carduus nutans	Nodding Thistle		BSBI, MW		Р		Р		Р	Р	JDS, NL7	Abundant on section 2a in 2002 (NL7)
Carex flacca Glaucous Sedge P CFR, TBV, SBSI, MW LA A P A P P D JDS, SH Abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in section 1a only near the old rails seen in section 26 (SH). Described as "abundant in 1a only near the old rails seen in section 26 (SH). Described as "abundant in 26 (SH). Described as "abundant	Carex caryophyllea	Spring-sedge	P			LA		LA			P		inconspicuousness when not in full flower?). It was abundant over small areas on sections 1b and 2a in 2009 (DJB); " a handful of patches" and "11 patches/clones" have been found in these sections,
the S.W. facing slope of the valtum of Fleam part of the Num part of the Juniperus colony, 52°C (in the Num part of the Juniperus colony, 52°C (in the Num part of the Juniperus colony, 52°C (in the Num part of the Juniperus colony, 52°C (in the Num part of the Author the Num part of the Num part of the Num part of the Sun parts colony, 52°C (in the Num part of the Author the Num part of the Author Num Part of the Num part of the Author Num Part Num Pa	Carex ericetorum	Scarce Spring-sedge	Р	CFR				Е			Е		Only seen twice, in 1965 and 1972 (CFR, MW). On the
BSBI, MW BSBI,													the S.W. facing slope of the vallum of Fleam Dyke, in a patch of short grassland (with little Bromus erectus), in the N.W. part of the Juniperus colony, 552.538. About 6 inflorescences scattered about 3 x 2 m" (CFR, MW). A likely remnant of the chalk heath once found in the area (see Ulex europaeus and Danthonia decumbens), lost
Carrina vulgaris Carlina Thistie Pill Sedge P CFR B CFR B First and only record: "Fleam Dyke in Balak Islae (1800s (CFR). A remarkable record, of species" strong preference for acid soils. Carlina vulgaris Carlina vulgaris Carlina Thistie P CFR, TBV, SL, BSBI, MW Carlina betulius Hombeam Carpinus betulius Hombeam Carpinus betulius Hombeam Black Knapweed P TBV, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Chaenorhinum minus Small Toadflax P CFR, TBV Chaenorhyllum temulum Rough Chervil P SL, BSBI, MW Chamerion angustifolium Rosebay Willowherb P GFR, SL, BSBI, MW Crisium acaule Ground Thistle P CFR, TBV, SL, BSBI, MW Cirsium avense Creeping Thistle P SL, BSBI, MW Clematis vitalba Traveller's-joy P SL, BSBI, MW Clinopodium album Carpinus acendens Common Calamint P CFR, SL, BSBI, MW P P P P D P P D DS, NLT, Two plants with pure white flowers, and one scilon 2 in 2001 (NL7). Discorbing as "socialona" in 1911 (TBV). Creasatum fontanum Common Mouse-ear P CFR P P P P P P D DS, NLT, Two plants with pure white flowers, and one scilon 2 in 2001 (NL7). Discorbing as "socialona" in 1911 (TBV). Creasatum fontanum Common Mouse-ear P CFR P P P D JDS, TBV Sescribed as "locally frequent" in 1911 (TBV). Creasatum fontanum Rough Chervil P SL, BSBI, MW P P P JDS Described as "locally frequent" in sections 1 (SL). Crisium avense Creeping Thistle P CFR, TBV, SL, BSBI, P P P P DJS, DJB, Only locally abundant in section 1b (SH). Described as "locally frequent" in sections 1 (SL). Crisium avense Creeping Thistle P CFR, TBV, SL, BSBI, P P P P DJS, DJB, DJB, DJB, DJB, DJB, DJB, DJB, DJB	Carex flacca	Glaucous Sedge		BSBI, MW	LA	Α	Р	Α		Р	P	JDS, SH	
Late 1800s (CFR). A remarkable record, by species' strong preference for acid soils. Sarana vilgaris Carlina rulgaris Carlina rulgaris P CFR, TBV, SL, BSBI, MW P P P P DJDS, DJB, JN In section 1a, one plant was seen near the fortune anigna Black Knapweed P TBV, SL, BSBI, MW P P P DJDS, DJB, JN In section 1a, one plant was seen near the fortune acid soils. Salon in 2007 (JN), Described as "locati" in (TBV). Centaurea scabiosa Greater Knapweed P TBV, SL, BSBI, MW P P P DJDS, DJB, JN In section 1a, one plant was seen near the fortune acid soils. Salon in 2007 (JN), Described as "locati" in (TBV). Centaurea scabiosa Greater Knapweed P TBV, SL, BSBI, MW P P P DJDS, DJB, JN Two plants with pure white flowers, and one flowers acid plant in 1911 (TBV). SBBI, MW P P P DJDS, NL7, SJR, NL11 Described as "acid and in 1911 (TBV). SBBI, MW Described as "locasionar in 1911 (TBV). Described as "cocasionar in 1911 (TBV). Described as "locasionar in 1911 (TBV). Described as "locasi											_		
Carlina vulgaris Carline Thistle P CFR, TBV, SL, BSBI, MW Centaurea nigra Black Knapweed P TBV, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P TBV, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P TBV, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P TBV, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, TSV, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, F P P P P P P D JDS, NL7, Two plants with pure white flowers, and one shall not plant to the dyke in not on the dyke itself (DJB). Cerastium fontanum Common Mouse-ear P CFR, TBV Chaenorhinum minus Cha	Carex pilulifera	Pill Sedge	Р	CFR							E		late 1800s (CFR). A remarkable record, given this
Centaurea nigra Black Knapweed P TBV, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Greater Knapweed P CFR, SL, BSBI, MW Centaurea scabiosa Trace in 1911 (TBV). Centaurea scabiosa Trace in 1911 (TBV	Carlina vulgaris	Carline Thistle	Р	SL, BSBI,	Р	Р		F			Р	JDS, DJB, JN	In section 1a, one plant was seen near the Pumping Station in 2007 (JN). Described as "local" in 1911
BSBI, MW	-												Planted on S side of tree-covered section (JDS).
BSBI, MW Cerastium fontanum Common Mouse-ear Chaenorhinum minus Small Toadflax P CFR, TBV Chaenorhinum minus Chaenorhinum minus Chaenorhinum minus Rough Chervil P SL, BSBI, P P P P JDS Chaenorhyllum temulum Rough Chervil P SL, BSBI, P P P P JDS Chaenorhyllum temulum Rosebay Willowherb P CFR, SL P P P JDS Chescribed as "locally frequent" in sections 1 (SL). Chenopodium album Fat-hen P MW P CFR, TBV, SL, BSBI, NL A A P JDS, DJB, SH, NL11 SL, BSBI, MW Cirsium arvense Creeping Thistle Cirsium vulgare Creeping Thistle P SL, BSBI, P P P P JDS, DJB, SH, Will Traveller's-joy P SL, BSBI, MW Clematis vitalba Traveller's-joy P SL, BSBI, P P P P JDS, DJB, DM, SH elsewhere in the hedges (DJB), but the slope dyke its in the hedges (DJB), but the slope dyke its in the hedges (DJB), but the slope dyke its in the hedges (DJB), but the slope dyke its is feem to be to harsh an environn survive (SH). Clinopodium ascendens Common Calamint P CFR, SL P P P P JDS, DJB, DM, SH Dominant in the old railway, on Mutlow Hill, elsewhere in the hedges (DJB), but the slope dyke its is feem to be to harsh an environn survive (SH). Clinopodium ascendens Common Calamint P CFR, SL P P P P JDS, SH, NL11 Convolivulus arvensis Field-bindweed P SL, MW P P P P JDS	Centaurea nigra	Black Knapweed	Р		F	Р	Ρ	Р	Р	Ρ	Р	, - ,	Described as "abundant" in 1911 (TBV).
Cerastium fontanum Chaenorhinum minus Small Toadflax P CFR P CFR RTBV P CFR, TBV Described as "race" in 1911 (TBV). Present aside just NW of the NW end of the dyke in not on the dyke itself (DJB). Chaerophyllum temulum Rough Chervil P SL, BSBI, MW P P P P P P P P P P P P P P P P P P P	Centaurea scabiosa	Greater Knapweed	Р		F	Р	Р	Р	Р	Р	Р		Two plants with pure white flowers, and one with pink flowers, seen in section 2a in 2001 (NL7). Described as
Chaenorhinum minus Small Toadflax P CFR, TBV Described as "rare" in 1911 (TBV). Present aside just NW of the NW end of the dyke in not on the dyke itself (DJB). Chaerophyllum temulum Rough Chervil P SL, BSBI, MW Chamerion angustifolium Rosebay Willowherb P CFR, SL P P P P JDS Chenopodium album Fat-hen P MW P P P JDS Cirsium acaule Ground Thistle P CFR, TBV, SL, BSBI, MW Cirsium arvense Creeping Thistle P CFR, TBV, SL, BSBI, MW Cirsium vulgare Clematis vitalba Traveller's-joy P SL, BSBI, MW Clinopodium acinos Basil-thyme P CFR, TBV BSBI, MW P P P JDS, DJB, Olly locally abundant in section 1b (SH). Described as "locally frequent" in sections 1 (SL). P P P D JDS Chenopodium acinos Basil-thyme P CFR, TBV, BSBI, P P P P JDS Clinopodium acinos Basil-thyme P CFR, TBV BSBI, MW P P P JDS, DJB, Dominant in the old railway, on Mutlow Hill, elsewhere in the hedges (DJB), but the slop dyke itself seem to be too harsh an environ survive (SH). Clinopodium accendens Common Calamint P CFR Clinopodium vulgare Wild Basil P CFR, SL, BSBI, MW Conium maculatum Hemlock Convolvulus arvensis Field-bindweed P SL, MW P P P JDS	Cerastium fontanum	Common Mouse-ear	Р	CFR					P		Р	JDS. TBV	
Chaerophyllum temulum Rosebay Willowherb P SL, BSBI, MW Chamerion angustifolium Rosebay Willowherb P CFR, SL P P P P D DDS Described as "locally frequent" in sections 1 (SL). Chenopodium album Fat-hen Ground Thistle P CFR, TBV, SL, BSBI, MW Cirsium arvense Creeping Thistle P CFR, TBV, SL, BSBI, MW Clematis vitalba Traveller's-joy P SL, BSBI, MW Clinopodium acinos Basil-thyme P CFR, TBV P CFR, TBV P CFR, TBV P CFR, TBV P SL, BSBI, MW P P P P D DS, DJB Described as "locally frequent" in sections 1 (SL). Clinopodium acinos Basil-thyme P CFR, TBV Clinopodium acendens Common Calamint P CFR Conium maculatum Hemlock P SL, MW P P P P D DJS, DJB Described as "occasional, clearly alien to the of the dyke" in 1911 (TBV). P P P P D DS, DJB Dominant in the old railway, on Mutlow Hill, elsewhere in the hedges (DJB), but the slop dyke itself seem to be too harsh an environr survive (SH). Clinopodium acendens Common Calamint P CFR Conium maculatum Hemlock P SL, MW P P P P DJDS Described as "rare" in 1911 (TBV) - this is the record. Last record 1915 (CFR). Convolvulus arvensis Field-bindweed P SL, MW P P P DJDS												,	Described as "rare" in 1911 (TBV). Present in arable set aside just NW of the NW end of the dyke in 2009, but
Chamerion angustifolium Rosebay Willowherb P CFR, SL P P P JDS Described as "locally frequent" in sections 1 (SL). Chenopodium album Fat-hen Ground Thistle P CFR, TBV, SL, BSBI, MW Cirsium arvense Creeping Thistle P CFR, TBV, SL, BSBI, MW Clematis vitalba Traveller's-joy P CFR, TBV Clinopodium accendens Common Calamint P CFR, SL P P P P JDS Described as "locally frequent" in sections 1 (SL). P P P JDS Described as "locally frequent" in sections 1 (SL). P P P JDS Described as "locally frequent" in sections 1 (SL). P D P JDS Described as "locally frequent" in sections 1 (SL). P D D D D D D D D D D D D D D D D D D	Chaerophyllum temulum	Rough Chervil	Р			Р			P	Р	Р	JDS	not on the dyke itself (DJB).
Chenopodium album Fat-hen P MW Cirsium acaule Ground Thistle Fat-hen P CFR, TBV, SL, BSBI, MW Cirsium arvense Creeping Thistle Cirsium vulgare Clematis vitalba Traveller's-joy Clinopodium acinos Basil-thyme Clinopodium acendens Clinopodium vulgare Clinopodium Hemlock Clinopodium Hemlock Clinopodium Acinos Clinopodium Hemlock Clinopodium Acinos Clinopodium Vulgare Clinopodium Hemlock Clinopodium Acinos Clinopodium Spantare Clinopodium Acinos Clinopodium Vulgare Clinopodium Acinos Clinopodium Vulgare Clinopodium Acinos Clinopodium Vulgare Clinopodium Vulgare Clinopodium Vulgare Clinopodium Vulgare Clinopodium Acinos Clinopodium Vulgare Clinopodium Acinos Clinopodium Vulgare Clinopodium Clinopodium Vulgare Clinopodium Clinopodium Vulgare Clinopodium Clinopodium Cli	Chamerion angustifolium	Rosebay Willowherb	Р			Р			Р		Р	JDS	Described as "locally frequent" in sections 1b+c in 1998
Cirsium acaule Ground Thistle P CFR, TBV, SL, BSBI, MW Cirsium arvense Creeping Thistle P CFR, TBV, SL, BSBI, MW Cirsium arvense Creeping Thistle P CFR, TBV, SL, BSBI, MW Cirsium avense Creeping Thistle P CFR, TBV, SL, BSBI, MW Cirsium vulgare Spear Thistle P SL, BSBI, P P P P JDS, DJB Described as "occasional, clearly alien to the of the dyke" in 1911 (TBV). Described as "occasional, clearly alien to the of the dyke" in 1911 (TBV). Described as "occasional, clearly alien to the of the dyke" in 1911 (TBV). Described as "occasional, clearly alien to the of the dyke" in 1911 (TBV). Clematis vitalba Traveller's-joy P SL, BSBI, P P P P JDS, DJB SH elsewhere in the hedges (DJB), but the slop dyke itself seem to be too harsh an environ survive (SH). Clinopodium acinos Basil-thyme P CFR, TBV E Described as "occasional, clearly alien to the of the dyke" in 1911 (TBV). E SL, BSBI, MW Clinopodium acinos Basil-thyme P CFR, TBV E Described as "occasional, clearly alien to the of the dyke" in 1911 (TBV). E SL, BSBI, MW P P P JDS, DJB Dominant in the old railway, on Mutlow Hill, and the slop dyke itself seem to be too harsh an environ survive (SH). Described as "occasional" in 1911 (TBV). E Described as "rare" in 1911 (TBV) - this is the record. Clinopodium accendens Common Calamint P CFR Clinopodium vulgare Wild Basil P CFR, SL, BSBI, R LA R R P JDS, SH, NII1 Conium maculatum Hemlock P P P JDS	Chananadium album	Eat hon	D	N 4\A/	-			<u> </u>	D		Б	IDG	(SL).
Cirsium arvense Creeping Thistle P CFR, TBV, SL, BSBI Cirsium vulgare Spear Thistle P SL, BSBI, MW Clematis vitalba Traveller's-joy P SL, BSBI, MW Clinopodium acinos Basil-thyme P CFR, TBV Clinopodium ascendens Common Calamint P CFR Clinopodium vulgare Clinopodium vulgare Clinopodium vulgare Clinopodium vulgare Clinopodium vulgare Clinopodium acinos Clinopodium vulgare Clinopodium acinos Clinopodium acinos Clinopodium acinos Clinopodium acinos Clinopodium acinos Clinopodium vulgare Vild Basil Clinopodium vulg				CFR, TBV, SL, BSBI,	R	LA						JDS, DJB,	Only locally abundant in section 1b (SH). Described as "occasional" in 1911 (TBV).
Cirsium vulgare Spear Thistle P SL, BSBI, MW Clematis vitalba Traveller's-joy P SL, BSBI, MW P P P P JDS, DJB Dominant in the old railway, on Mutlow Hill, a elsewhere in the hedges (DJB), but the slop dyke itself seem to be too harsh an environ survive (SH). Clinopodium acinos Basil-thyme P CFR, TBV Clinopodium ascendens Common Calamint P CFR Clinopodium vulgare Wild Basil P CFR, SL, BSBI, MW P P JDS, DJB, Dominant in the old railway, on Mutlow Hill, a elsewhere in the hedges (DJB), but the slop dyke itself seem to be too harsh an environ survive (SH). E Described as "rare" in 1911 (TBV) - this is the record. Last record 1915 (CFR). Conium maculatum Hemlock P SL, MW P P JDS Convolvulus arvensis Field-bindweed P SL, MW P P P JDS	Cirsium arvense	Creeping Thistle	Р	CFR, TBV,		Р			P	Р	Р	JDS	Described as "occasional, clearly alien to the vegetation of the distance of t
Clematis vitalba Traveller's-joy P SL, BSBI, MW P P P P D D D D D D D D D D D D D D D	Cirsium vulgare	Spear Thistle	Р	SL, BSBI,		Р			Р	Р	Р	JDS, DJB	jornie uyke iii 1911 (TDV).
Clinopodium acinos Basil-thyme P CFR, TBV Described as "rare" in 1911 (TBV) - this is the record. Clinopodium ascendens Common Calamint P CFR U	Clematis vitalba	Traveller's-joy	Р	SL, BSBI,		Р			P	Р	Р		Dominant in the old railway, on Mutlow Hill, and elsewhere in the hedges (DJB), but the slopes of the dyke itself seem to be too harsh an environment for it to
Clinopodium ascendens Common Calamint P CFR	Clinopodium acinos	Basil-thyme	Р	CFR, TBV							Е		Described as "rare" in 1911 (TBV) - this is the last
BSBI, MW					L								
Convolvulus arvensis Field-bindweed P SL, MW P P P JDS	Clinopodium vulgare	Wild Basil		CFR, SL,	R	LA				R	Р	NI11	. ,
n onyza canagensis i i Lanagian Figanaño i PISI I I I I PI I DI INS I					-	Р							
Conyza canadensis Guernsey Fleabane P SL P JDS Conyza sumatrensis Guernsey Fleabane P P DSS	Conyza canadensis	Canadian Fleabane	Р	SL	-	L				<u> </u>	P		
Cornus sanguinea Dogwood P CFR P JDS			P	CEB	\vdash			\vdash		\vdash		000	

		-	lo: 1011						_	_	Lino nin	
Corylus avellana Crataegus monogyna	Hazel Hawthorn	P	SL, MW CFR, TBV, SL, BSBI,		P		ı	0	R P	P	JDS, DJB JDS	Described as "locally abundant" in 1911 (TBV).
Crataegus monogyna x laevigata	A hybrid hawthorn		MW				F)		Р	JDS	
Crepis capillaris	Smooth Hawk's-beard	Р	CFR, TBV, SL, MW		Р	l	ı	>		Р	CFR, JDS	Described as "occasional" in 1911 (TBV).
Crepis vesicaria	Beaked Hawk's-beard		- /		Р		F	0		Р	JDS	
Cynoglossum officinale	Houndstongue	Р	CFR, SL, BSBI, MW		Р		F		Р	Р	CFR, JDS, DJB, NL11	Becoming a weed on disturbed soil, especially in section 2a following clearance/rabbit disturbance (DJB) but also following clearance in section 1a (NL11).
Cynosurus cristatus	Crested Dog's-tail				Р					Ρ	JDS	
Dactylis glomerata	Cocksfoot	Р	CFR, TBV, SL, BSBI, MW		Р		F	0	Р	Р	JDS	Described as "local, mainly or exclusively in the ditch where the soil is deeper and not so dry" in 1911 (TBV).
Dactylorhiza fuchsii	Common Spotted-orchid	Р	CFR, TBV							Е		Described as "very rare" in 1911 (TBV); last record 1932 (CFR).
Danthonia decumbens	Heath-grass	Р	CFR				E?			E?		Seen on two occasions only: "base of ditch, 550.540 and 551.539, rare, vegetative", 1952 (CFR); and in 1975 (CFR).
Daphne laureola	Spurge-laurel	Р	CFR					E?		E?		Last record from 562.529 in 1971 (CFR). Could still be present.
Daucus carota	Wild Carrot	Р	CFR, TBV, MW							?		Described as "locally abundant" in 1911 (TBV), but last noted in 1981 (MW); likely still to be present.
Deschampsia cespitosa	Tufted Hair-grass	_	OED.	<u> </u>	Р					Р	JDS	
Diplotaxis tenuifolia	Perennial Wall-rocket	Р	CFR				<u> </u>	Ļ	E?	E?	IDC	Last record at 569.524 in 1979 (CFR).
Dipsacus fullonum	Teasel	_	OFD C-C	-	<u> </u>		╙)		Р	JDS	Noted in 1997 (CED) 1999 (C-C) and described a
Echium vulgare	Viper's Bugloss	Р	CFR, GoC, TBV	L						Е		Noted in 1887 (CFR), 1909 (GoC), and described as "local" in 1911 (TBV) - this is the last record.
Elymus caninus	Bearded Couch	Р	SL						Ρ	P	JDS	Described as "occasional" in section 2a in 1998 (SL), but not noted here since.
Elytrigia repens	Common Couch								Р	Р	JDS	
Epilobium hirstum	Great Willow-herb Field Horsetail	P	MW BSBI		Р		F			P ?	JDS	First and only record in 1005 (DOD): 131-1-1331-1
Equisetum arvense	Field Horsetali											First and only record in 1995 (BSBI). Likely still to be present
Erigeron acer	Blue Fleabane		CFR, TBV				·	0			JDS	Described as "rare" in 1911 (TBV); then only seen in 1939 (CFR).
Erophila verna	Common Whitlow-grass		CFR				E?			E?		Last record from path near the Bedford Gap in 1953 (CFR).
Euonymus europaeus	Spindle	Р	BSBI	0					Р	Р	JDS, DJB, SH	Scattered for the first ~350m from the NW end (SH); some spared during scrub clearance/management in 2009 (DJB).
Eupatorium cannabinium	Hemp-agrimony			R						Р	JDS, IW	A small clump of this wetland plant was found on the edge of the path adjacent to a recently cleared area in 2006 (IW); a clump of plants at the side of the dyke in 2008 (JDS).
Euphrasia pseudokerneri	Chalk-hill Eyebright	P	CFR, TBV, SL, BSBI, MW		Α		Е			P	JDS, SH	In section 2, the last record was in 1965 (CFR). Part of a difficult group; records of "Euphrasia officinalis" from the early 1900s (CFR) refer to the aggregate (which includes E. pseudokerneri); this aggregate was described as "occasional" in 1911 (TBV) and "locally frequent" in section 1b in 1998 (SL). In 2007, plants at 5446.5456 (section 1b) were noted with "smaller flowers and different bracts to the E. pseudokerneri" (JDS), but it is not clear if these represent a different taxon.
Fagopyrum esculentum	Buckwheat		TBV, SL				E?			E?		Described as "very rare, clearly alien to the vegetation of the dyke" in 1911 (TBV); and "rare" in section 2a in 1998 (SL), but not noted since.
Fagus sylvatica	Beech	Р	CFR, TBV, SL, BSBI, MW		Р		F	0	Р	Р	JDS	Described as "very rare" in 1911 (TBV).
Fallopia convolvulus	Black-bindweed	Р	MW					0			JDS	
Festuca arundinacea	Tall Fescue	Р	CFR		L					E	LDC .	Last record 1894 (CFR).
Festuca gigantea Festuca ovina	Giant Fescue Sheep's Fescue	Р	CFR, TBV, SL, BSBI	E?	A		A		P	P	JDS JDS, SH	In section 1a, seen at 543.548 by T.C.E. Wells in April 1967 (CFR), and described as "locally frequent" here in 1998 (SL), but not definitely confirmed since despite extensive searching (SH). Described as "dominant" in 1911 (TRV)
Festuca rubra	Red Fescue	Р	TBV, SL				-)	Р	Р	JDS	1911 (TBV). Described as "local, under trees" in 1911 (TBV).
Ficaria verna {Ranunculus ficaria}	Celandine		. 5 , 01						Р		JDS	2555.1556 do 1556, under 11565 iii 1511 (154).
Filipendula vulgaris	Dropwort	P	CFR, GoC, TBV, SL, BSBI, MW	0	P		A	R		P	JDS, DJB, NL11, NL26, SH	11 patches in section 1a in 2003 (NL11); 15 patches in section 1a, concentrated near the Pumping Station (SH); one patch in 2b, near the Bedford Gap (SH), presumably also the same plant noted in 2005 (IW). Noted in 1909 (GoC), and described as "locally abundant, mainly or exclusively in the ditch where the soil is deeper and not so dry" in 1911 (TBV).
Fragaria vesca Fraxinus excelsior	Wild Strawberry Ash	Р	MW SL, BSBI,		Р		ı	0	Р	E?	JDS	Seen only once, in 1981 (MW).
Fumaria officinalis	Common Fumitory	Р	MW CFR, TBV							E?		Seen in early 1900s (CFR), and described as "rare, clearly alien to the vegetation of the dyke" in 1911 (TBV)
Fumaria parviflora*	Fine-leaved Fumitory	Р	MW							E?		Seen only once, in 1898 - described as "Fleam Dyke, nr railway" (MW).
Galanthus nivalis	Snowdrop					Р				Р	JDS, DJB	Planted underneath the beech tree next to Mutlow Hill
					<u> </u>						<u> </u>	(DJB).

Galeopsis angustifolia	Red Hemp-nettle	Р	CFR, MW							Е		First noted in 1896 "in the grass at foot of Fleam Dyke left side of Newmarket Rd from Cambridge" [= section 1b or 1c] (CFR), and then on numerous occasions, including in 1940 "near end of Fleam Dyke" [likely referring to adjacent arable?] (CFR); last record 1959 (MW).
Galium album {Galium mollugo}	Hedge Bedstraw	Р	CFR, SL, BSBI, MW		Р			Р	Р	Р	JDS	
Galium aparine	Cleavers	Р	SL, BSBI, MW		Р			Р	Р	Р	JDS	
Galium verum	Lady's Bedstraw	Р	CFR, TBV, SL, BSBI, MW	0	Р	Р	Р	Р		Р	JDS, SH, NL11	Described as "abundant" in 1911 (TBV).
Gentianella amarella	Autumn Gentian	P	CFR, TBV, SL		P		Р			P	JDS, DJB, SH	A strict biennial, and so varies in quantity from year to year, but probably increasing recently (DJB and SH). In section 1b, it was noted as "rare" in 1998 (SL); there were 244 plants in 2009 (SH). In section 2a, it was apparently first noted in 2002, when there were 12 plants (DJB); there were 35 plants in 2009 (SH). Described as "rare" in 1911 (TBV).
Geranium molle Geranium pyrenacium	Soft Cranesbill Hedgerow Cranesbill	Р	CFR					P		P E	JDS	Last record in 1895 (CFR).
Geranium robertianum	Herb-Robert	P	SL, BSBI, MW		Р	<u> </u>		P	Р	Р	JDS	Last record in 1093 (GFTI).
Geum urbanum	Wood Avens	Р	SL, BSBI,		Р			Р	Р	Р	JDS	
Glechoma hederacea	Ground-ivy	Р	MW SL, BSBI,		Р			Р	Р	Р	JDS	
Gymnadenia conopsea	Fragrant orchid	Р	MW CFR, MW							Е		Only seen in 1856 (CFR) and 1860 (MW).
Hedera helix	lvy	Р	CFR, SL, BSBI, MW		Р			P	Р		JDS, DJB	Generally abundant, and covering the ground in places where scrub has been removed (DJB).
Helianthemum nummularium	Rock-rose	Р	CFR, GoC, TBV, SL, BSBI, MW	0	LA	R	LA			Р	JDS, SH, NL11	In section 1a, present SE of water-pipe gap (SH, NL11), but frequent only near the old railway (SH). Noted in 1909 (GoC), and described as "very abundant" in 1911 (TBV).
Helminthotheca echioides {Picris echioides}	Bristly Ox-tongue			LF	LA	LA	F			Р	JDS, SH	
Heracleum sphondylium	Hogweed	Р	CFR, SL, MW		Р			Р	Р	Р	JDS	
Hippocrepis comosa	Horseshoe Vetch	Р	CFR, TBV, SL, BSBI, MW	0	LA	R	Α			Р	JDS, DJB, SH, NL11	1 plant in section 1a in 2003; More than 20 plants in section 1a in 2009 (SH), following clearance of top of dyke in 2003 (not noted on this section in 1998 (SL)). Described as "very abundant" in 1911 (TBV).
Holcus lanatus	Yorkshire-fog	Р	SL		Р						JDS	
Hordeum murinum Hypericum hirstum	Wall Barley Hairy St John's-wort	P	MW MW		P				Р	P E?	JDS	Only seen in 1983 (MW) - likely to have been
Hypericum perforatum	Perforate St John's-wort	Р	SL, BSBI	0	0			P		Р	JDS, DJB, SH, NL11	somewhere in section 3? In section 1a, frequent near NW end and old railway (SH). Many plants have characteristics that suggest hybridity (H. x desetangsii); see article by D.J. Barden in Nature in Cambridgeshire no. 52 (2010).
Hypochaeris radicata	Cat's-ear	Р	CFR, TBV, SL		Р					Р	JDS	Described as "rare" in 1911 (TBV).
Ilex aquifolium Inula conyzae	Holly Ploughman's Spikenard		SL, MW CFR, SL, BSBI, MW	Р	P P	Р	Р	P	Р	P P	JDS, DJB CFR, JDS, SH	Widely varying in frequency from year to year (SH).
Juglans regia Juniperus communis	Walnut Juniper	P	CFR, TBV, SL, BSBI, NIC8, NIC14, NIC43, NIC44, MW, KVC				Р		Р		JDS CFR, JDS, NL3	Surprisingly, first noted in 1879 (CFR); described as "rare" in 1911 (TBV), and noted as being "overgrown by thorn bushes and elder" in 1978 (NIC21, p. 14). Now the only native population in East Anglia; seedlings are occasionally found underneath or close to the trees (e.g. five seedlings under mat of Cleavers in July 2001 (NL3)), and efforts have been made to protect these from rabbit grazing, which seems to be a major factor limiting their survival. The population is discussed in detail in NIC43 (p. 2) and NIC44 (p. 2)
Kickxia elatine*	Sharp-leaved Fluellen	Р	CFR			L		L		Е		Last record 1882 (CFR).
Kickxia spuria* Knautia arvensis	Round-leaved Fluellen Field Scabious	P P	CFR CFR, TBV,	0	R			P	Р	E P	JDS, SH,	Last record 1882 (CFR). Described as "local" in 1911 (TBV).
Koeleria macrantha	Crested Hair-grass	Р	SL, MW CFR, TBV, SL, BSBI	R	F		LF				NL11 JDS	Described as "abundant" in 1911 (TBV).
Lactuca serriola	Prickly Lettuce		JL, DJDI		Р						JDS	
Lactuca virosa Lamium album	Great Lettuce White Dead-nettle	Р	BSBI, MW		P P			P P	Р		JDS JDS	
Lamium purpureum	Red Dead-nettle	Р	CFR					P P	Р	Р	JDS	
Lapsana communis	Nipplewort	Р	SL, BSBI, MW		Р				Р	Р	JDS	
Lathyrus pratensis	Meadow Vetchling	Р	CFR							?		Almost certainly continues to be present, but no definite records (DJB).
Leontodon hispidus	Rough Hawkbit	Р	CFR, TBV, SL, BSBI	Р	LA		LA				JDS, NL26, SH	Rare in section 1a, but abundant in places in sections 1b and 2a (SH). Described as "occasional" in 1911 (TBV).
Leontodon saxatilis	Lesser Hawkbit			?	?		?	P			JDS, SH, NL11	Records from sections 1a (NL11), 1b (SH) and 2a (JDS), all in doubt; may be plants of L. hispidus stunted by growing in adverse conditions.
Lepidium draba Leucanthemum vulgare	Hoary Cress Ox-eye Daisy	Р	CFR, TBV,	R	LA		P	P			JDS JDS, SH	Described as "occasional" in 1911 (TBV).
Ligustrum vulgare	Wild Privet		BSBI, MW CFR, SL,		P			P	Р		JDS	
Linaria vulgaris	Common Toadflax	Р	BSBI, MW CFR, TBV,			Р				Р	JDS, MF	Described as "rare" in 1911 (TBV), and "rare" in
			SL, MW									sections 1b+1c in 1998 (SL).

Linum catharticum	Fairy Flax	Р	CFR, TBV, GoC, SL, MW	R	LA		LF			Р	JDS, JN, SH	In section 1a: In small quantity near the pipeline gap in 2009 (JN and SH). Noted in 1909 (GoC), and described as "locally abundant" in 1911 (TBV).
Linum perenne ssp. anglicum	Blue Flax	Р	CFR, GoC, MW							Е		First seen in 1872 (CFR); last definite record 1906 (CFR). Also noted in 1909 (GoC) and 1939 (EFC), but as these were likely based on historic data, they cannot be taken as solid evidence of presence at those dates.
Lithospermum officinale	Common Gromwell	Р	CFR, SL,	F		F				Р	JDS, DJB,	·
Lolium perenne	Perennial Rye-grass	Р	BSBI, MW					P	Р	Р	NL11 CFR, JDS	
Lotus corniculatus	Bird's-foot Trefoil		CFR, TBV, SL, BSBI, MW	Р	LF		0			Р	JDS, SH	In section 1a, only seen close to the old railway (SH). Described as "abundant" in 1911 (TBV).
Lycium barbarum Luzula campestris	Duke of Argyll's Teaplant Field Wood-rush	Р	CFR						Р	P E	JDS	Last record 1939 (CFR). Probably associated with the
Edzula dampodnio	Tiola Wood Tabil											more sandy ground on the SW slope of the vallum in section 2a.
Mahonia aquifolium	Mahonia	P	CFR, TBV, SL, BSBI, MW, NIC8		Р		0	Р	P	P	JDS, DJB	Planted and escaped. Described as "rare, clearly alien to the vegetation of the dyke" in 1911 (TBV). The status of a plant recorded as M. aquifolium x M. repens (JDS) is doubtful - it may just be a form of M. aquifolium rendered procumbent by repeated mowing, as in 2001 (CFR) and again more recently in section 2a (DJB).
Malus pumila {Malus domestica}	Apple				Р			P	Р	Р	JDS, ACL	In section 2a, the tree in the area of junipers and the more SE'ly of the two large trees near the Bedford Gap have characters indicating origin from M. domestica, rather than M. sylvestris (ACL).
Malus sylvestris sens. lat.	Crab Apple	P	CFR, TBV, SL					P	Ρ	P	JDS, DJB, ACL	In section 2a, the more NWIy of the two large trees near the Bedford Gap is a "good" M. sylvestris (ACL, DJB). Var. acerbae was noted in 1903 and 1904 (CFR); the species was described as "very rare" in 1911 (TBV) (as Pyrus malus); subsp. sylvestris was seen in 1962 in section 2b at 557.534 (CFR). Three trees to the SE of Dungate Farm seem to be M. sylvestris, but one may be more intermediate; all need closer examination (ACL).
Malva sylvestris	Common Mallow		MW		Р			Р	Р	Р	JDS	
Matricaria discoidea Medicago lupulina	Pineapple-weed Black Medick	P	MW CFR, TBV,		P	L		P	Р	P P	JDS JDS	Described as "abundant" in 1911 (TBV); "rare-
			SL, MW								050	occasional" in section 2a in 1998 (SL).
Melilotus altissimus	Tall Melilot Dog's Mercury	P	MW MW							E?		Only seen in 1983 (MW). Only seen in 1981 (MW). Most likely present in section
Mercurialis perennis	Dog's Mercury	r	IVIVV							f		2b or 3. A patch is present on the NW side of the A11, next to the footbridge (DJB), but this is not on the dyke for the purposes of these records.
Minuartia hybrida	Fine-leaved Sandwort	Р	CFR, MW				E?			E?		First seen in 1953 on "open chalk grassland bank where the Fleam Dyke is interrupted, with Thesium etc., 557.533" (S.M. Walters, in CFR). However, a record from the card index of D.E. Coombe (CFR) notes: "Fleam Dyke, by the Bedford Gap, in much trodden, open turf among Astragalus danicus, Thesium & the commoner chalk plants, with Erophila verna. Found by Dr S.M. Walters on the excursion, 4.5.1953". Given the reference to Bedford Gap, it is likely that the former record is an error for 553.537, a grid reference perhaps more accurately rendered as 553.536, placing it just NW of the Bedford Gap. Then mapped by G. Halliday for the BSBI in 1956 (CFR), but no later records.
Muscari neglectum	Wild hyacinth	Р	CFR, MW							Е		Records from "Fleam Dyke" 1891-1907 (CFR, MW), but all later records are from the old rly cutting nearby, where it was last seen in 1946 (CFR).
Mycelis muralis Myosotis arvensis	Wall Lettuce Field Forget-me-not	Р	CFR, SL,		P	<u> </u>		P P	Р		JDS JDS	
,	ű		MW									
Narcissus agg. Neotinea ustulata {Orchis ustulata}	Daffodil Burnt-tip Orchid	Р	CFR, MW	E	P				Р	E	JDS	First seen in 1835: "abundant in the part next Fulbourn Moor"; "10 plants seen" in 1913; last record 1941 (CFR). Now extinct in Cambs.
Neottia ovata {Listera ovata}	Twayblade	Р	CFR							Е		Only two records, one from 1882 (CFR), and another
Nepeta cataria	Cat-mint	Р	CFR, SL, BSBI, MW	Р	Р		Р		Р	Р	JDS, DJB, NL11	"Balsham end" in 1932 (CFR). Abundant on section 1a in 2004 following scrub clearance (DJB); has since declined (DJB).
Odontites vernus	Red Bartsia			Р							MF	Noted growing among clematis in 2009 (MF)
Onobrychis viciifolia	Sainfoin		CFR, GoC, TBV, SL, BSBI, MW		LF						JDS, SH	Frequent near the old railway (SH, MF). Noted in 1909 (GoC), and described as "occasional" in 1911 (TBV). This is the low-growing native variety.
Ononis repens	Common Restharrow	Р	CFR, MW				R	Е		Р	SH	In section 2b, the last record was in 1965 at 555.534 (CFR); next seen in section 2a in two places (SH).
Ononis spinosa	Spiny Restharrow	Р	CFR, TBV							Е		Described as "rare" in 1911 (TBV); this appears to be
Ophrys apifera	Bee Orchid	Р	CFR, GoC							Е		the last record. One unlocalised record from 1835 (CFR); described in 1909 as "and here and there a bee orchis" (GoC) – this appears to be the last record.
Orobanche elatior	Tall Broomrape	Р	CFR							Е		Last seen 1883 (CFR). A surprising absentee given the
Orobanche minor	Lesser Broomrape			R						Р	SH	frequency of Centaurea scabiosa, its host plant. Only seen in small quantity on the Pumping Station
Orobanche picridis {Orobanche artemisiae-campestris}	Oxtongue Broomrape	Р	CFR							E		section (SH). Seen only in 1878 and 1881 (CFR), though as these records were made by the same person, and no
												specimen was deposited, an error for Orobanche minor cannot be ruled out. Now extinct in Cambs.
Papaver argemone*	Prickly Poppy	Р	MW							E?		First and only record in 1881 (MW).

December 1981	To		TDV MAY				L = 0			- C		To a state of the
Papaver hybridum	Rough Poppy	Р	TBV, MW				E?			E?		Seen in two places in section 2a in 1991 (MW), but not since. Described as "very rare, clearly alien to the vegetation of the dyke" in 1911 (TBV).
Papaver rhoeas	Common Poppy	Р	CFR, TBV, SL		Р			P		Р	JDS	Described as "rare, clearly alien to the vegetation of the dyke" in 1911 (TBV).
Pastinaca sativa	Wild Parsnip	Р	CFR, TBV, SL, BSBI, MW	Р	Р	Р	Р	Р	Р	Р	CFR, JDS, SH	Described as "locally abundant" in 1911 (TBV).
Pentaglottis semperverens	Green Alkanet		10100						Р	Р	JDS	
Petroselinum segetum*	Corn Parsley	Р	CFR							Е		Last record 1903 (CFR). Now rare in the county away
Phleum bertolonii	Smaller Cat's-tail	P	CFR, SL,		Р			P	Р	Р	JDS	from the Ouse Washes.
Distance	Time attent	Р	BSBI			1		P	_	_	IDC	D
Phleum pratense Picea abies	Timothy Norway Spruce	P	TBV TBV, MW						P P	P P	JDS JDS	Described as "occasional" in 1911 (TBV). Planted. Described as "rare, clearly alien to the
	Tiomay opiaco								ľ			vegetation of the dyke" in 1911 (TBV).
Picris hieracioides	Hawkweed Ox-tongue	Р	CFR, TBV, SL	R			E?			Р	JDS, NL11, NL26	Described as "rare" in 1911 (TBV); 1 plant noted in section 1a in 2003 (NL11); in section 2a, described as "rare" in 1998 (SL) but not recorded since.
Pilosella officinarum	Mouse-ear Hawkweed	Р	CFR, TBV, SL, BSBI	R	LA		Α			Р	JDS, JN, SH	In section 1a, one good patch on Pumping Station section in 2007 (JN). Described as "very abundant" in 1911 (TBV).
Pimpinella saxifraga	Lesser Burnet-saxifrage	Р	CFR, TBV, SL, BSBI, MW	LF	LF	0	0	R	R	Р	JDS, SH, NL11	Described as "locally abundant" in 1911 (TBV).
Pinus sylvestris	Scots Pine	P	TBV, SL, BSBI, MW		R			P	P	P	JDS, DJB	Planted. Described as "locally abundant, clearly alien to the vegetation of the dyke" in 1911 (TBV); three "aged" trees were noted in section 1b in the 1950s (NL7); in sections (1b+1c) and (2b+3) it was noted as "rare" in 1998 (SL); one tree survived in section 1b in the 2000s but died in about 2009 (DJB).
Plantago lanceolata	Ribwort Plantain	Р	CFR, TBV, SL, BSBI,		Р	l		Р	Р	Р	JDS	Described as "abundant, mainly or exclusively in the ditch where the soil is not so dry" in 1911 (TBV).
Plantago major	Great Plantain	Р	MW SL, MW		Р			P	Р	Р	JDS	In 1998, only seen in section 2a (SL), where it was described as "rare".
Plantago media	Hoary Plantain	Р	CFR, TBV, SL, BSBI, MW	R	Α	R	Α	0		Р	JDS, SH	Described as "local, mainly or exclusively in the ditch where the soil is not so dry" in 1911 (TBV). Abundant at the pipeline gap in section 1a in 2003 (NL11).
Platanthera chlorantha	Greater Butterfly-orchid	Р	CFR, MW							Е		Seen "near Balsham" in ~1860 (CFR) and 1890 (MW).
Poa annua	Annual Meadow-grass	Р	SL		P			P	Р	P	JDS	Now very rare in the county.
Poa pratensis	Common Meadow-grass	P	SL		P				Ė	P	JDS	
Poa nemoralis	Wood Meadow-grass	Р	CFR						Р	Р	JDS	
Poa trivialis	Rough Meadow-grass	Р	SL, BSBI		Р			Р	Р	Р	JDS	
Polygala vulgaris	Common Milkwort	P	CFR, GoC, TBV, SL, BSBI	R	LA	R	F			Р	JDS, SH	In section 1a, a single plant near the Fulbourn end, and in quantity only near the old railway (SH). Noted in 1909 (GoC), and described as "abundant" in 1911 (TBV). Dark blue, paler blue, and pink colour-forms are present (DJB).
Polygonum arenastrum	Equal-leaved Knotgrass							P	Р	Р	JDS	(/-
Polygonum rurivagum*	Cornfield Knotgrass		MW							E?		Only seen in 1982, at 543.549 (MW) [perhaps referring to adjacent arable?].
Potentilla anserina	Silverweed	Р	CFR	L	L_			P	Р	P	JDS	
Potentilla neumanniana	Spring Cinquefoil	P	CFR	E	E					E		Seen in "P.7" [I think this refers to the part between the old railway and Mutlow Hill] in 1953 (CFR); and "nr Fulbourn" in 1965 (CFR). Known until 1992 on the West Wratting Road (a short distance from the A11 crossing). Seems to have been associated with chalk heath, and lost along with other characteristic species of this habitat (see Ulex europaeus and Danthonia decumbens). Now very rare in the county; possibly extinct.
Potentilla repens	Creeping Cinquefoil	_	OFD TOU	ļ		<u> </u>		P	Р	Р		Day the day the effect of the Control of the Contro
Poterium sanguisorba ssp. sanguisorba {Sanguisorba minor	Salad Burnet	Р	CFR, TBV, SL, BSBI,	LF	LF		Α	R		Р	JDS, SH, NL11	Described as "locally subdominant" in 1911 (TBV).
sanguisorba (Sanguisorba minor			MW									
Primula veris	Cowslip	Р	CFR, TBV, SL, BSBI, MW, NIC8	Р	Р	Р	LA	Р	Р	Р	JDS, DJB, SH, NL11	Frequent in places along the whole dyke (DJB and SH). Described as "occasional, mainly or exclusively in the ditch where the soil is deeper and not so dry" in 1911 (TBV).
Prunella vulgaris	Self-heal	Р	CFR, TBV, SL, MW	R				P			JDS, NL11	Described as "occasional" in 1911 (TBV).
Prunus avium	Wild Cherry	Р	CFR, SL, MW		Р				E?		JDS	Seen in section 2b nr Dungate Fm (559.531) in 1962 (CFR); next noted as "rare" in sections 2 and 3 in 1998 (SL).
Prunus cerasifera	Cherry Plum				Ļ			Р			JDS	
Prunus domestica Prunus spinosa	Wild Plum Blackthorn	Р	CFR, TBV, SL, BSBI,		P P			P	Р	P	JDS JDS	Described as "very rare" in 1911 (TBV).
			MW									

Pulsatilla vulgaris	Pasqueflower		CFR, NHC (p.223), GoC, MW, BSBI	E	E					E		First record 1838 (CFR). Well known from various places throughout the 1800s and up to the 1950s. Some recent records include: Section 1a: "one clump ~100 yds from Fulbourn End" in 1929 (CFR); "c. 12 nr pumping station" in 1957 (CFR); at 543.548 in 1967 (BSBI); 543.548 in 1973 (MW). Section 1b: "just SE of old railway" in 1950s (CFR); "formerly fairly plentiful on this stretch of the dyke" but only found one plant in 1964 (NIC8); "bottom of SW-facing bank 16 paces NW of tumulus" in 1967 (CFR). This latter colony was destroyed in 1974 (CFR) and could not be found in 1975 (NIC19, p. 8), the others probably having previously succumbed to scrub encroachment.
Quercus cerris	Turkey Oak	Р	CFR, MW					Р	Р	Р	JDS	Planted, but noted as "naturalized and spontaeous in spinney, 557.537" in 1961 (CFR).
Quercus ilex	Evergreen Oak	Р	CFR, SL,						Р	Р		Planted, but seedlings also present (JDS). Noted in
_			MW									section 2a (as "Holm Oak") in 1975 (NIC19, p. 8)
Quercus robur Ranunculus bulbosus	Pendunculate Oak Bulbous Buttercup	P	MW CFR, SL,		Р			P P	Р	P P	JDS JDS	Planted on S side of tree-covered section (JDS).
	·		BSBI									
Ranunculus repens	Creeping Buttercup	Р	SL, BSBI, MW		Р			Р	Р	Р	JDS	
Reseda lutea	Wild Mignonette	Р	CFR, TBV, SL, BSBI, MW		Р			Р	Р	Р	JDS	Described as "occasional" in 1911 (TBV); significantly more frequent in 1998 (SL). Rare in section 1a in 2003 (NL11)
Rhamnus cathartica	Buckthorn	Р	CFR, TBV, SL, BSBI, MW		Р			P	Р	Р	JDS	Described as "very rare" in 1911 (TBV), but "frequent" in sections 1a, 2 and 3 in 1998 (SL).
Rhinanthus minor	Hayrattle	Р	CFR, SL, BSBI	LA	LA	LA				P	JDS, SH	In section 1a, only present near the old railway (SH). In section 1b, noted as "one plant in area of David Kelly's experimental work" at 545.545 in July 1986 (CFR).
Ribes uva-crispa	Wild Gooseberry			L	t	T	L		Р	Р	JDS	
Robinia pseudoacacia	False-acacia	Р	MW							E?		Only seen in 1981 (MW). Presumably arrived naturally rather than an intentional planting?
Rosa caesia ssp. vosagiaca (ssp.	A hybrid rose	Р	CFR, BSBI			P?		1		?		Seen in scrub at 546.543 in 1992 (CFR, BSBI).
glauca} x R. canina	D	Р	OFD MM		P	<u> </u>		P	Р	Р	JDS	The manual Distriction and Transitation
Rosa canina agg.	Dog-rose	P	CFR, MW, BSBI, MW		Р			٢	P	Р	JDS	The groups Dumales, Pubescentes and Transitoriae were recorded from 548.541, 546.543 and 548.541, respectively, in 1992 (MW, BSBI). Described as "occasional" in 1911 (TBV).
Rosa rubiginosa	Sweet-briar	Р	CFR, MW, TBV, BSBI, MW	0	0	E	0			Р	JDS, SH	Only seen in section 1c "Mutlow Hill" in 1992 (MW). Described as "rare" in 1911 (TBV).
Rubus armeniacus Rubus caesius	A bramble Dewberry		CFR, SL, MW		P P			P	P P	Р	JDS JDS, DJB	In section 1a, locally dominant in areas of cleared scrub (DJB).
Rubus fruitcosus agg.	Bramble	Р	SL, BSBI, MW		Р			Р	Р	Р	JDS	
Rubus ulmifolius	A bramble	Р	CFR						Р	Р		
Rumex crispus	Curled Dock	Р	DCDL MM			-		P	P P	P P	JDS JDS	
Rumex obtusifolius Rumex pulcher	Broad-leaved Dock Fiddle Dock	P	BSBI, MW CFR						Р	E	JDS	Seen only once, in 1965 at the Fulbourn end of the dyke
											ID C	(531.552) (CFR).
Rumex sanguineus Salix caprea	Wood Dock Goat Willow	Р	MW			-			Р	P E?	JDS	Only recorded in 1983 (MW).
Sambucus nigra	Elder	P	CFR, SL,		Р	-		Р	Р		CFR, JDS	Abundant and regenerating freely in areas of scrub
Scabiosa columbaria	Small Scabious	Р	BSBI, MW	R	LA		LA			Р	JDS, SH	clearance, especially in the ditch in section 2a (DJB). Described as "occasional" in 1911 (TBV).
Scorzoneroides autumnalis	Autumn Hawkbit	Р	SL, BSBI, MW MW		P			P		Р	JDS	
{Leontodon autumnalis}				<u> </u>								
Senecio erucifolius	Hoary Ragwort	Р	CFR, SL, BSBI	LA	0	0	0			Р	JDS	In section 1a, abundant only near the old railway (JDS).
Senecio jacobea	Ragwort	Р	CFR, TBV, SL, BSBI, MW		Р			Р		Р	CFR, JDS, NL6	Subject to "pulling" on several occasions in 2002, prior to introduction of sheep (NL6). Described as "occasional" in 1911 (TBV).
Senecio vulgaris	Common Groundsel	Р	CFR		Р		E			Р	JDS	Leet record 1979 (CER)
Sherardia arvensis* Silaum silaus	Field Madder Pepper-saxifrage	P	CFR CFR	 	_	+	\vdash	 		E		Last record 1872 (CFR). First and only record 1885 (CFR).
Silene latifolia	White Campion	P	CFR, TBV, SL, BSBI, MW		Р	ı		Р	Р	P	JDS	Described as "rare, clearly alien to the vegetation of the dyke" in 1911 (TBV, as Lychnis alba) .
Silene latifolia x S. dioica	A hybrid campion	_			Р						JDS	No. 1 - WELL OF THE STATE OF TH
Silene noctiflora	Night-flowering Catchfly		MW							?		Noted as "Fleam Dyke, N side" at 549.541 in 1991 [not clear whether this is actually on the dyke or not].
Silene vulgaris	Bladder Campion	Р	CFR, TBV, SL, BSBI		Р			P	Р		JDS, SH	Noted by JDS, but not seen on the dyke by SH. Described as "occasional" in 1911 (TBV, as Silene latifolia (cucubalus)), and as "rare" in section 2a in 1998 (SL).
Sinapsis alba	White Mustard	_	DCDI MAA		Ļ	+	1	1	Р	P	JDS	Only soon in 1092 (MM/) and 1005 (DOD!)
Sinapsis arvensis Sisymbrium officinale	Charlock Hedge Mustard	Р	BSBI, MW	 	_	+	\vdash	P		E?	JDS	Only seen in 1983 (MW) and 1995 (BSBI). In Bedford Gap (JDS).
Solanum dulcamara	Woody Nightshade	Р	CFR, SL,		Р		Р	•	Р	P		
Solanum nigrum	Black Nightshade		BSBI, MW	1		1	1	l P		Р	JDS	In Bedford Gap (JDS).
Sonchus arvensis	Field Sowthistle	Р	CFR, TBV,		Р	1		P	Р	P		Described as "occasional" in 1911 (TBV).
Sonchus asper	Prickly Sowthistle	Р	SL, MW SL, BSBI,		Р			Р	Р	Р	JDS	
Sonchus oleraceus	Smooth Sowthistle		MW	1		1	1	P	Р	Р	JDS	
Stachys sylvatica	Hedge Woundwort	Р	BSBI		Р				Р		JDS	

Challania waadia	O Obieles	п	OED TOV	1	1	1	1	<u> </u>		D	Line	Described as least along the description
Stellaria media	Common Chickweed	Р	CFR, TBV					Р		Р	JDS	Described as "occasional, clearly alien to the vegetation of the dyke" in 1911 (TBV).
Succisa pratensis	Devil's-bit Scabious	Р	CFR							Е		Last record 1878 (CFR).
Tamus communis	Black Bryony	P	SL, BSBI		Р				Р		JDS	2401100014 1070 (0111).
Taraxacum officinale agg.	Dandelion	P	SL, BSBI		<u>.</u> Р			P	P	P	CFR, JDS	
Taraxacum cyanolepis	A dandelion	P	CFR		Ė		?	<u> </u>	Ė	?	Oi ii, obo	First and only record at 550.540 in 1959 (CFR).
Taraxacum dahlstedtii	A dandelion	Р	CFR	 	-	 	?	1		?		First and only record at 550.540 in 1959 (CFR).
Taraxacum ekmanii	A dandelion		CFR				-	?		?		First and only record at 330.340 in 1939 (OFT).
Taraxacum cimami	Addition	'	0111							•		Gap in 1967 (CFR).
Taraxacum fulviforme	A dandelion	Р	CFR		<u> </u>	?				?		First and only record nr Mutlow Hill in 1967 (CFR).
		Р	CFR				2			?		
Taraxacum gelertii	A dandelion			-	<u> </u>	-	?	_				First and only record S of A11 in 1967 (CFR).
Taraxacum lacistophyllum	A dandelion	Р	CFR			<u> </u>	?			?		First and only record made in 1967 (CFR).
Taraxacum oxoniense	A dandelion	Р	CFR			?	?			?		First seen in 1839; and again "by Mutlow Hill" in 1967; and at 550.540 in 1953 (CFR). No other records.
Taraxacum rubicundum	A dandelion	Р	CFR			?				?		First and only record from Mutlow Hill in 1967 (CFR).
Taxus baccata	Yew	Р	CFR, TBV,		Р			P	Р	Р	JDS	May have been planted originally? Described as "very
			SL, BSBI									rare" in 1911 (TBV).
Tephroseris integrifolia	Field Fleawort	Р	BFC, CFR, NHC (p.223), TBV, BSBI, MW	E	E?		0			P	CFR, JDS, DJB, IW	First seen before 1860 (BFC); then "N end of Fleam Dyke, sprinkled about" in 1879 (CFR); described as "occasional" in 1911 (TBV); "plentiful on Fleam Dyke" in 1949 (CFR). Seen in 1995 in section 1b at 545.544 (CFR, BSBI) but not since. Now only known from section 2a, where 15 flowering stems were found between the first and last Junipers (scattered beside path on top in very short turf) in 2001 (CFR); a few plants were seen in flower on 18 May 2005 (IW), and there remained a scattering of plants in 2009 (DJB).
Thalictrum minus	Lesser Meadow-rue	P	CFR, TBV, SL, BSBI				LA	R	R	P	JDS, DJB, SH	In section 2a, present in quantity but not obvious because of rabbit grazing (SH); in section 2b, one plant not far from the Bedford Gap (SH); in section 3, one plant seen "SE of Dungate Farm, near Charterhouse Plantation, on footpath in wooded area (~565.527)" in 2004 (DJB). Described as "rare" in 1911 (TBV).
Thesium humifusum	Bastard-toadflax	Р	CFR, TBV, SL, BSBI		R		Е			Р	JDS, DJB	Long known in some quantity (over 30 plants in 2009 (MF)) over a small area in section 1b (CFR, JDS, DJB); it seems to have little power to spread. In section 2a, the last record was "by the Bedford Gap, in much trodden, open turf" in 1953 (CFR). Described as "very rare" in 1911 (TBV).
Thymus polytrichus	Wild Thyme	Р	CFR, NHC (p.223), GoC, TBV, SL, BSBI	LA	Α		Α			Р	JDS, SH	In section 1a, only on the steps close to the old railway (SH). Described as "abundant" in 1911 (TBV).
Thymus pulegioides	Larger Wild Thyme	Р	CFR							Е		Last record 1885 (CFR).
Torilis japonica	Upright Hedge-parsley	P	SL, BSBI		Р			P		P	JDS	2401100014 1000 (0111).
Torilis nodosa	Knotted Hedge-parsley	P	CFR		Τ	1		i i		E	000	Last record 1903 (CFR).
Tragopogon pratensis	Goatsbeard	P	CFR, TBV,		Р				Р	P	JDS	Described as "rare" in 1911 (TBV).
Tragopogori praterisis	Coalsbeard	'	SL		'				١.	'	1000	Described as Tale III 1911 (TDV).
Tuifelium anns antus	Han Tuefall		-		1	1				_		Ai
Trifolium campestre	Hop Trefoil	Р	CFR, TBV							Е		A surprising absentee. Described as "occasional" in
										_		1911 (TBV, as T. procumbens).
Trifolium dubium	Lesser Yellow Trefoil	_			<u> </u>	<u> </u>		P			JDS	
Trifolium pratense	Red Clover	Р	TBV, SL		Р			Р	Р	Р	JDS	One white-flowered plant seen in section 2a in 2008
Trifolium repens	White Clover	Р	SL		Р			Р	Р	Р	JDS	(JDS). Described as "occasional" in 1911 (TBV). In 1998, only noted in sections 1b+c, where it was described as "occasional" (SL).
Tripleurospermum inodorum	Scentless Mayweed	Р	CFR, SL	t	1		t	P	Р	Р	JDS	(02)
Trisetum flavescens	Yellow Oat-grass	P	SL SL	Р	Р	Р	Р		P		JDS, SH	
Triticum aestivum	Bread Wheat	•	OL .	'	L'	'	'	H.	P	P		
		D	BSBI		-				Г	_	303	First and only record in 1991 (BSBI). Possibly still
Tussilago farfara	Coltsfoot	-	DODI							?		` ' '
Ulex europaeus	Common Gorse	Р	TBV, CFR							Е		present Described as "rare" in 1911 (TBV). Last record 1939
S.O.A. Gui opagua	Common Gordo		. 5 , 0, 11		1			1			I	(CFR).
Ulmus glabra	Wych Elm				 			P	Р	Р	JDS	10
Ulmus procera	English Elm				 			1	P	P		<u> </u>
Urtica dioica	Common Nettle	Р	CFR, TBV,		Р	-		P	P		JDS	Described as "local, clearly alien to the vegetation of the
S. Jou diolou	Sommon Nottio		SL, BSBI		•				Ι'		I S	dyke" in 1911 (TBV).
Urtica urens	Small Nettle		JL, DUDI	 	1		 	P		P	JDS	W
Valerianella dentata*	Common Cornsalad	Р	CFR		 	 		T		E	350	Last record 1903 (CFR).
Verbascum nigrum	Dark Mullein	P			 	 	Р	1			CFG	Lactrocord 1000 (OFFI).
			CFR	-	1	-	P	1	1			Noted in 2001 not far SE of the A11. "Coattered alaste
Verbascum nigrum x V. thapsus	A hybrid mullein	Р	CFR				۲			Р	CFG, JDS	Noted in 2001 not far SE of the A11: "Scattered plants
W. b	0	_	OFD O	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	 		IDO	amongst colony of V. thapsus" (CFR).
Verbascum thapsus	Great Mullein	Р	CFR, SL	<u> </u>	<u>P</u>			<u>P</u>	<u> </u>		JDS	<u></u>
Veronica chamedrys	Germander Speedwell	Р	SL, BSBI		Р			Р	Р	Р	JDS	In 1998, only noted in section 2a, where it was
				<u> </u>			<u> </u>		L			described as "rare" (SL).
Veronica hederifolia Veronica persica	Ivy-leaved Speedwell Common Field-Speedwell	Р	CFR					P P	P P	P	JDS JDS	Var. aschersoniana (Lehm.) was seen by H.E. Fox in 1865 (CFR).
h.m				+	Р		t	Р	Р	Р	JDS	Described as "very rare" in 1911 (TBV).
Viburnum lantana	Wayfaring-tree	Р	CFR, TBV,		•				1		1	1
Viburnum lantana Viburnum opulus	Wayfaring-tree Guelder-rose		BSBI		Р					Р	JDS	Described as "rare" in section 2a in 1998 (SL), but not
		Р					F				JDS JDS, DJB	Described as "rare" in section 2a in 1998 (SL), but not noted since. Often quite dwarfed on the top of the dyke in section 2a
Viburnum opulus Vicia cracca	Guelder-rose Tufted Vetch	P	BSBI SL, BSBI CFR, TBV		Р		F	P	P	Р	JDS, DJB	noted since. Often quite dwarfed on the top of the dyke in section 2a (DJB). Described as "rare" in 1911 (TBV).
Viburnum opulus	Guelder-rose	P	BSBI SL, BSBI		Р		F	Р	Р	Р		noted since. Often quite dwarfed on the top of the dyke in section 2a
Viburnum opulus Vicia cracca Vinca minor	Guelder-rose Tufted Vetch Lesser Periwinkle	P P	BSBI SL, BSBI CFR, TBV CFR, NIC8		Р			P	P	P P	JDS, DJB JDS	noted since. Often quite dwarfed on the top of the dyke in section 2a (DJB). Described as "rare" in 1911 (TBV).
Viburnum opulus Vicia cracca Vinca minor Viola arvensis	Guelder-rose Tufted Vetch Lesser Periwinkle Field Pansy	P P P	BSBI SL, BSBI CFR, TBV CFR, NIC8 CFR, SL		Р				P	P P	JDS, DJB	noted since. Often quite dwarfed on the top of the dyke in section 2a (DJB). Described as "rare" in 1911 (TBV). Introduced. Noted in section 2a in 1975 (NIC19, p. 8)
Viburnum opulus Vicia cracca Vinca minor	Guelder-rose Tufted Vetch Lesser Periwinkle	P P P	BSBI SL, BSBI CFR, TBV CFR, NIC8		Р				P	P P E	JDS, DJB JDS	noted since. Often quite dwarfed on the top of the dyke in section 2a (DJB). Described as "rare" in 1911 (TBV).

Viola hirta ssp. hirta	Hairy Violet	Р	CFR, BV,	F		Α	F	0	Р	JDS, DJB,	Doing very well in areas cleared of scrub; very variable,
			TBV, SL,							SH	especially in section 2a (DJB). In section 1a, mostly
			BSBI, NIC8								towards the NW end (DJB); surprisingly absent from
											section 1b (DJB and SH). Described as "occasional" in
											1911 (TBV). [Records of Viola riviniana from section 1a
											("rare" in 1998 (SL); present in 2003 (NL11)) and of
											Viola reichenbachiana from section 2a ("abundantly in
											bloom" in 1964 (NIC8)) are most improbable given the
											habitat, and likely an error for this species; there are no
											earlier records of either species, and it has not been
											seen since].
Viola hirta f. rosea	Hairy Violet	Р	BV			R			Р	DJB	First seen ~1910, then no records until 2009, when it
											was found in small quantity in two places (DJB).
Viola hirta x V. odorata	A hybrid violet	Р	CFR			Р		Ρ	Р	JDS	In section 2a, one large patch seen in 2009 (DJB).
Viola odorata var. dumetorum	Sweet Violet							F	Р	DJB	At least as common as var. odorata on the SE end of
											the dyke (DJB).
Viola odorata var. dumetorum x.	Sweet Violet							Р	Р	DJB	Seen in 2007 at 562.528 (DJB).
V. odorata var. odorata											
Viola odorata var. odorata	Sweet Violet	Р	CFR, SL,	0	0	R	F	F	Р	DJB, SH	In section 2a, was abundant just after the major scrub
			BSBI, NIC8								clearance in 2001 (SH), and was "all the way along"
											section 1a in 2003 (NL11), but must since have declined
											substantially in both sites, or been overtaken by other
											species (DJB).
Viola odorata var. subcarnea	Sweet Violet			0					Р	DJB	Present in small quantity at the cleared NW end of the
											dyke in 2009 (DJB).