

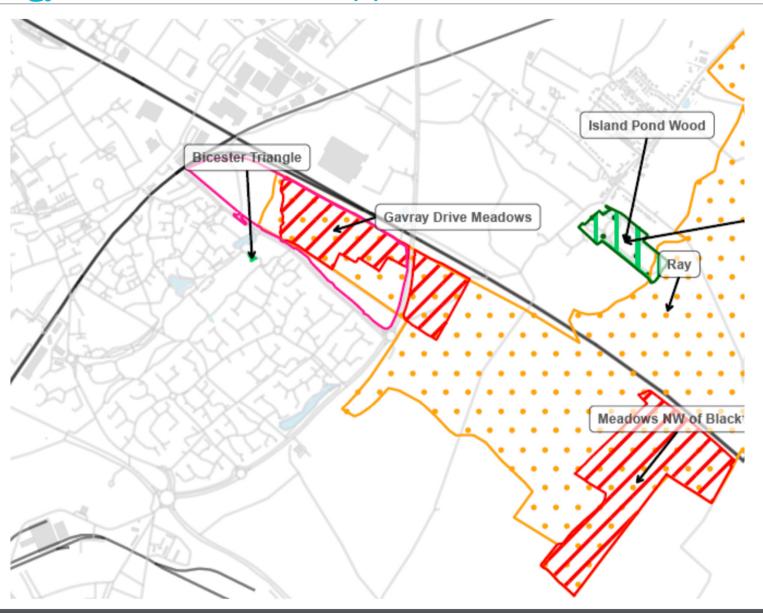
Ecology Mitigation and Management Strategy

Tom Wigglesworth (Director EDP)

Summary

- Ecology Constraints and Opportunities
- Avoidance and Mitigation
- Restoration and Enhancement
- Biodiversity Net Gain



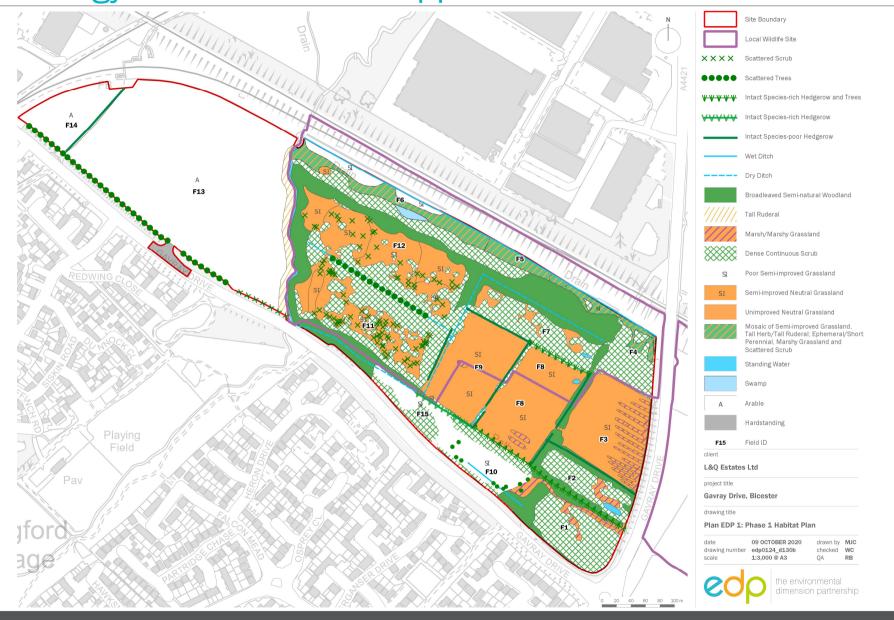




Surveys completed	
Surveys outstanding	

_	2019				2020											
Survey		SEP	ост	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV
Phase 1/ botanical survey (grasslands)																
Butterfly surveys - black & brown hairstreak egg search																
Wintering bird surveys																
Butterfly surveys - white letter hairstreak egg search																
Great crested newt surveys																
Butterfly surveys - white letter hairstreak habitat assessment																
Breeding bird surveys																
Breeding nightingale surveys																
Badger walkover survey																
Dormouse surveys																
Reptile surveys																
Detailed invertebrate surveys																
Bat roost surveys (trees) - preliminary ground-level assessment																
Bat activity surveys - transects (5 dusk, 1 dawn)																
Bat activity surveys - anabats (5 deployments)																
Water vole/ otter surveys																
Butterfly surveys - marsh fritillary timed counts																
Butterfly surveys - small heath timed counts																
Hedgerow assessment																
Butterfly surveys - black hairstreak timed counts																
Botanical survey (mid-summer update)																
Butterfly surveys - white letter hairstreak timed counts																
Night flying moth surveys																
Butterfly surveys - marsh fritillary larval web search																
Harvest mouse survey																























- Breeding birds
- Wintering birds
- Bats
- Terrestrial mammals
- Otter and water vole
- Amphibians
- Reptiles
- Invertebrates









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Avoidance and Mitigation

Inherent/Embedded Mitigation

- Layout avoids CTA and LWS
- Public access restricted (TBC)

Construction Measures

- Protection of retained habitat
- Sensitive timings and working methods
- Pollution prevention

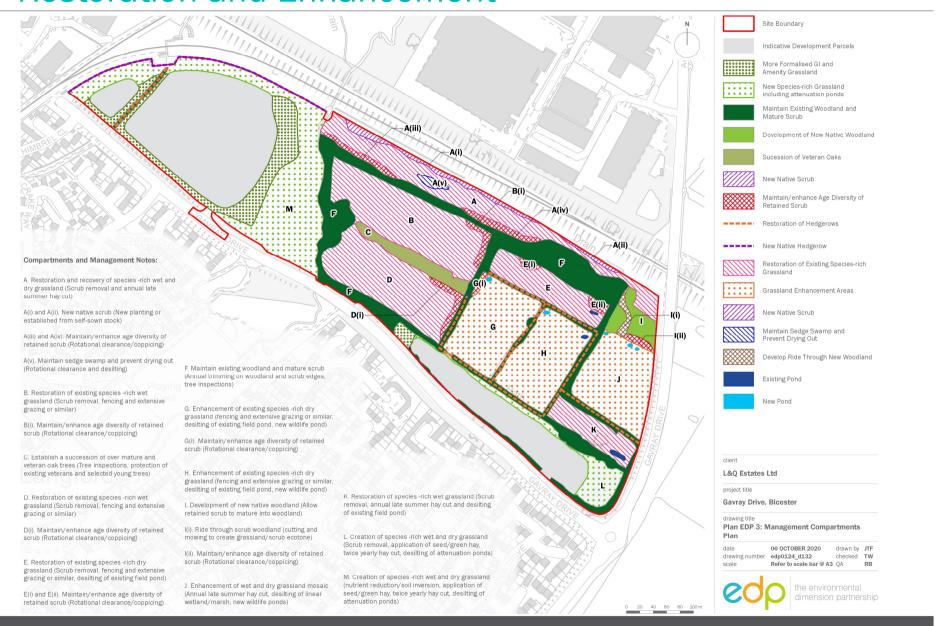
Lighting Strategy

- Avoidance of light spill in retained habitat
- Position and design of new lighting









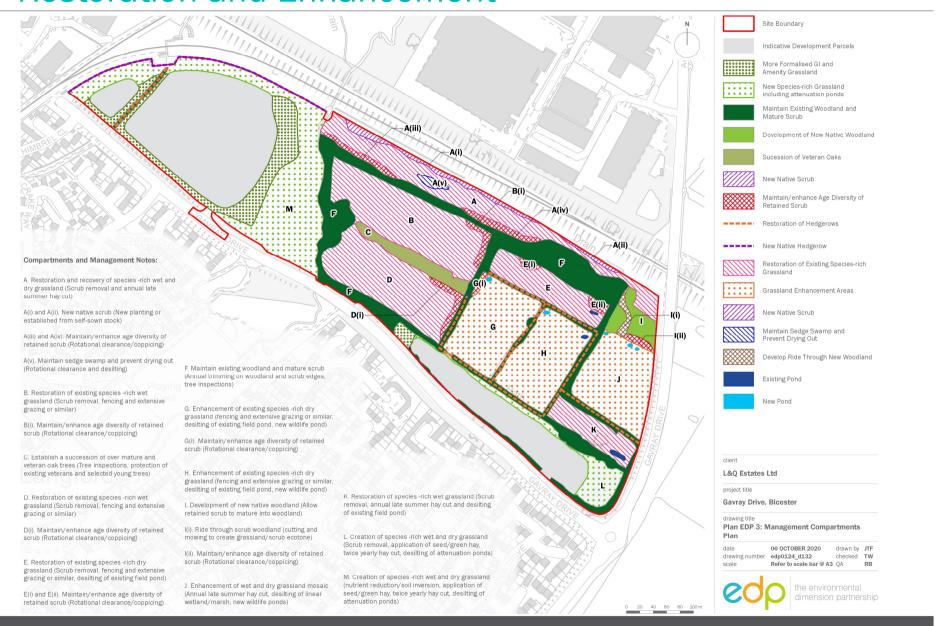


Management Objectives 1-8 1 Manage Recreational Pressure within Gavray Drive Meadows LWS 2 Establish an Extensive Grazing (or similar) Regime in Compartments B, D, E, G and H to Restore. Maintain and Enhance the Grassland 3 Establish Hay Cutting Regime in Compartments A, J and K to Restore, Maintain and **Enhance the Grassland** Selectively Remove Excessive Scrub in Compartments A, B, D and E and Maintain a Stable Distribution of this Habitat 5 Establish Permanent Zones of Blackthorn Scrub with a 20-year Coppice Cycle 6 Preserve Veteran Oak Trees and Promote Establishment of New 'Parkland' Oaks within Compartment C Extend Life of Mature Crack Willows along the Langford Brook 7 Establish New Species-rich Neutral and Marshy Grassland within Compartments M 8 and L



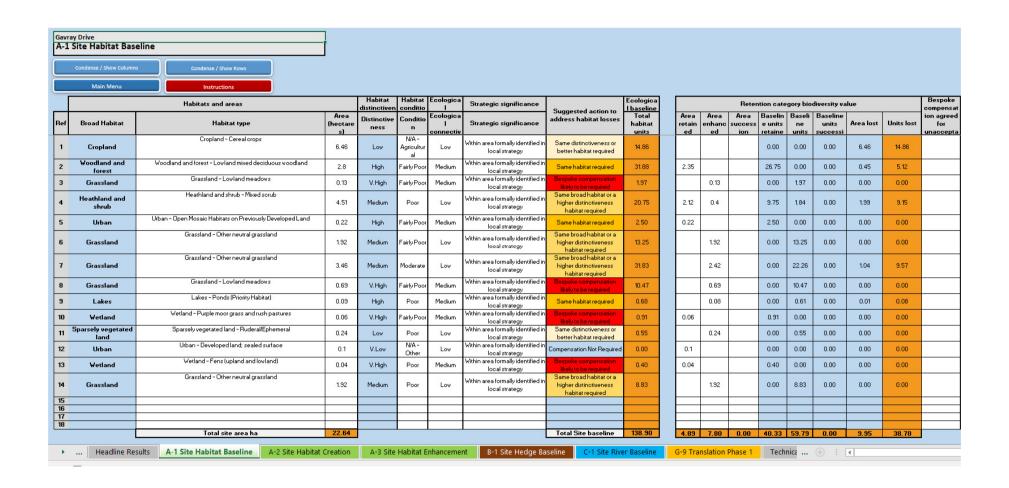
Management Objectives 9-17						
9	Restore Remnant Hedge Lines and Plant New Species-rich Native Hedgerow					
10	Maintain and Enhance Woodland and Mature Scrub					
11	Maintain and Enhance Existing Wetland and Ponds and Create New Wildlife Ponds					
12	Maintain and Enhance Habitat for Invertebrates					
13	Maintain and Enhance Habitat for Reptiles and Amphibians					
14	Maintain and Enhance Roosting, Foraging and Commuting Opportunities for Bats					
15	Maintain and Enhance Habitat for Breeding and Wintering Birds					
16	Maintain and Enhance Habitat for Small Mammals					
17	Provide Clear Results of Monitoring to Inform the Management Plan Review Process					







Biodiversity Net Gain





Biodiversity Net Gain

	Habitat Units	Hedgerow Units
On-site baseline	138.90	6.96
On-site post-intervention	163.23	7.80
Total net unit change	24.33	0.84
Total net % change	+17.52%	+12.12%



Thank you for listening Any questions?



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