

Site Visit Assessment Form – Tewkesbury Nature Reserve 2, Gloucestershire

SO900317 Ownership Tewkesbury Town Council Meeting with Cathy Beeching (EA), Caroline	Gloucestershi Designation None Managed by	re Size (ha) 2.69	
Tewkesbury Town Council Meeting with	None	. ,	
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Meeting with		2.69	
•	Managed by		
Cathy Beeching (EA). Caroline		Managed by	
	Tewkesbury Nature Reserve Ltd Trust?		
Corsie, Joanna Rutherford			
(Volunteer), Larry Blacker (TNR			
Limited Reserve Manager), Anna			
Ellen (EA and volunteer), Les			
Buchanan (Chair of Trustees),			
Ken Pomfret (FMP Ambassador)			
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	(Volunteer), Larry Blacker (TNR Limited Reserve Manager), Anna Ellen (EA and volunteer), Les Buchanan (Chair of Trustees), Ken Pomfret (FMP Ambassador) ory ement	(Volunteer), Larry Blacker (TNR Limited Reserve Manager), Anna Ellen (EA and volunteer), Les Buchanan (Chair of Trustees), Ken Pomfret (FMP Ambassador) ory ement	

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Restoration				
Technique used/Dates				
The field was an ex-arable ley, which was then re-shaped to create a pond area and				
meadow around it. Started restoration in 2015. Used herbicide – 'Round up'. Disked				
over construction area, but were concerned that it was wet and cold when some of				
the construction work	was done (compaction risk)? Did put some top soil on it after			
construction of ponds was finished. Green hay was used from Hucclecote Meadow.				
Not sure of extent of re-seeding in this field.				
Hydrology	Field is within the floodplain but not official flood storage			
	area and not controlled. Flooding is backflow from the Severn			
Flooding regime	-			
Water management	and Avon rather than the smaller Swilgate Brook. Site floods			
Soil-water levels	annually. Have some trial pits dug which suggest blue lias			
(indicated by auger	clay. In June the groundwater was 1 m below ground. Thin			
hole/any other data)	layer of top soil only. Some stones are found in the clay but			
	not big gravel lenses. All fields have clay underdrains, these			
	have been removed so flow /drainage is now interrupted.			
	Water ran straight into the stream, so have intercepted			
	drains around a reedbed. Old drains (late 1800's)			
Historical information				
Was arable tried to grow maize, probably arable for 30 years.				
Current site interest	Attach excel spreadsheet for botanical data			
	the restoration success is more modest, being closest to MG6 -			
Lolium perenne-Cynosurus cristatus grassland but not very conclusive. However this				
is to be expected on a restoration site at the early stages. Red clover <i>Trifolium</i>				
<i>pratense</i> is one of the most dominant species with cover reaching 90% in places.				
However it doesn't tend to compete with other species and will reduce its cover with				
time. A range of target species seemed to have established themselves successfully.				
The field is less species rich than field 1 although similar in Ellenberg F and N scores,				
00 0	il fertility and wetness are similar in each field.			
Phosphorus levels	P index 2-3 – Cathy Beeching can provide accurate P data.			
Soil profiles				
No profile taken as the soil has been re-shaped here.				
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Site manager aspirations/objectives				
Species rich meadow				
Management recommendations				
As for field 1 continue	e with current management. A timely hay (June) cut is			
	top of the nutrients. Two hay cuts a year could be considered			
here if grazing is hard to find. Timely hay cuts and prevention of water logging will be				
the keys to continued success here.				
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	Tewksbury		
	Field 1	Field 2	
Ellenberg F (moisture tolerance)	5.38	5.44	
Ellenberg N (fertility)	5.4	5.36	
Ellenberg R (Reaction)	6.4	6.56	
Species/quadrat (mean and range /1	17.6 (13-22)	12.8 (11-15)	
m x 1 m)			
NVC (top 2 MAVIS subcommunities)	MG4v2	MG6a	
	MG4b	MG6	