

## Site Visit Assessment Form – The Earth Trust. The Waterboard, Oxfordshire

The form records survey results collected from various site visits, and includes feedback following interviews with site managers.

The map above shows the quadrat locations and numbers collected in 2018 in the Waterboard Field. No quadrats were recorded here in 2021. The small field to the north-west of The Waterboard Field was surveyed in 2021, and quadrat locations here are shown.

Site Name	Grid Ref	County	County		
Earth Trust – The	SU 589929	Oxfordshire			
Waterboard					
River	Ownership	Designation	Size (ha)		
Thames	The Earth Trust	None	12.02		
Dates for surveys	Site meeting with	Managed by	Managed by		
19 <sup>th</sup> May 2017	No-one	The Earth Tru	The Earth Trust		
2 <sup>nd</sup> June 2021					
Interview	Interview with Chris				
13 <sup>th</sup> May 2021	Parker				
Management and Histo	ry				
Previously pasture. Form	ns part of the River of Life proje	ect which has invo	lved re-		
modelling of river and flo	oodplain in some areas, combin	ned with sowing w	vildflower		
areas.					
Agri environment agree	ment				

Agri environment agreement

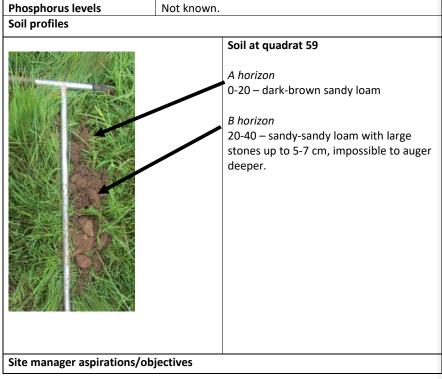
Survey from 2017	ichieu exter spreausneet for Dotalital Gata.	
Hydrology Flooding regime Water management Soil-water levels (indicated by auger hole/any other data)	The fields flood regularly, perhaps one year in 5. Land level is quite high above the river level. Flooded in 2014/15 and again in 20/21.	
been permanent grassland. T grasses. The three fields were restore to try and spread the risk.	led, so it looked like an arable field even though it had hey were aiming to introduce wildflower, not sow finer d in subsequent years, not all in the same year, in order	
drilled originally into the exis coverage in some places, but yellow rattle seed was used ( All fields were sub-soiled as p	ting grasslands, and The Earth Trust think it had good in other spots there are still just grasses. A high rate of	Contraction party county - 13 units right:
2020 - 19 <sup>th</sup> July Restoration	n 2015? on a previously species poor field. The seed was	Commented [E2]: Chris - Is this right?
days to make hay. Actual dat 2017 - 24 <sup>th</sup> Aug 2018 - 15 <sup>th</sup> July 2019 – 20 <sup>th</sup> July	reement date. The Earth Trust tend to look for 5 good es:	
Two Pond Field however did was aftermath grazed.	get 3 years in a row of a hay cut 2017-18 and 2019, then	<b>Commented [E1]:</b> Chris, I didn't note why this happened?
Grazed with cattle (1 LU/ha). fields. This year (2021) the ha	n rotation, with 2 years grazed and third year hay cut. Each year a hay cut is taken from one of the three ay cut will be in Ferry Field. The rotation is set as they nter for grazier, and need summer grazing land. Graze t fields with cattle.	
less than 2 was needed, and 2021 therefore on Waterboa HLS finishes in November 20 about what happens next (at told that the agreement will Earth Trust are keen to stay i HK6 if the meadows are of go restoration.	d did not go into HK7 because at that time a P index of Two Pond Field had a higher P index. HLS started in rd and Ferry Field, as HK7. 22 – The Earth Trust have not yet been contacted by NE the time of the interview in spring 2021) but are being renew on a rolling yearly basis, likely until ELMS. The n the scheme, although they might move from HK7 to bod enough quality for maintenance rather than	

The field is very grassy, that's probably why the MG7 type of plant community came at the top in MAVIS calculation of the vegetation similarity to the known NVC types. Typical MG4-type score was close, but scores for both types (around 55%) were not very conclusive. On such shallow, well-drained and sandy soil the restoration of the species-rich meadow of the dry types like MG5 or MG4a would be expected. Regular floods probably maintain a higher level of nutrients which are used by grasses to their advantage. Both *Agrostis stolonifera* and *Festuca rubra* are dominant on the field. Other grasses and forbs are present in the small amounts.

## Survey in 2021

The site was under grazing management at the time of the re-survey in 2021, so botanical quadrats were not sampled. A list of species was collected on a walkthrough basis. Overall 34 species were recorded in the field in one walk across it. The list shows many typical meadow species present in the field. The process of reaching a well-balanced functional diversity as well as taxonomic diversity of the plant community, will take some time.

The set of quadrats (526-530) surveyed in the small field between Two Ponds Field and Water Board Field does not represent vegetation comparable with Water Board Field itself. Vegetation here is taxonomically and functionally poor and the level of soil nutrients should be reduced if meadow restoration is planned.



Wildflower meadows are a long term aim for The Earth Trust here. River of Life Project (2) is going to create ponds and backwater channels in areas that are botanically less diverse. Not sure about re-seeding these areas, might see what comes up naturally. They are wetter meadows.

## Management recommendations

An annual hay cut would be recommended to decrease the vigour of the grasses and soil nutrients.

## **The Earth Trust**

The Earth Trust									
	Two Pond Field		The Waterboard		Ferry Field				
	2017	2021	2017	2021 (small field)	2017	2021			
Ellenberg F (moisture tolerance)	5.38	5.42	5.2	5.44	4.96	5.1			
Ellenberg N (fertility)	6.18	6.2	5.24	5.78	5.2	5.2			
Ellenberg R (Reaction)	6.04	6.7	6.28	7	6.4	6.62			
Species/quadrat (mean	13	11.7 (9-	17	11.6 (10-14)	21	25			
and range /1 m x 1 m)	(12-14)	16)	(15-19)		(16-25)	(21-30)			
NVC (top 2 MAVIS	MG7D	MG9	MG7D	MG4c	MG4a	MG4a			
subcommunities)	MG7	MG1	MG4v2	MG9	MG4v2	MG4b			