



# Suitable Alternative Natural Greenspace

---

Steven Werrell

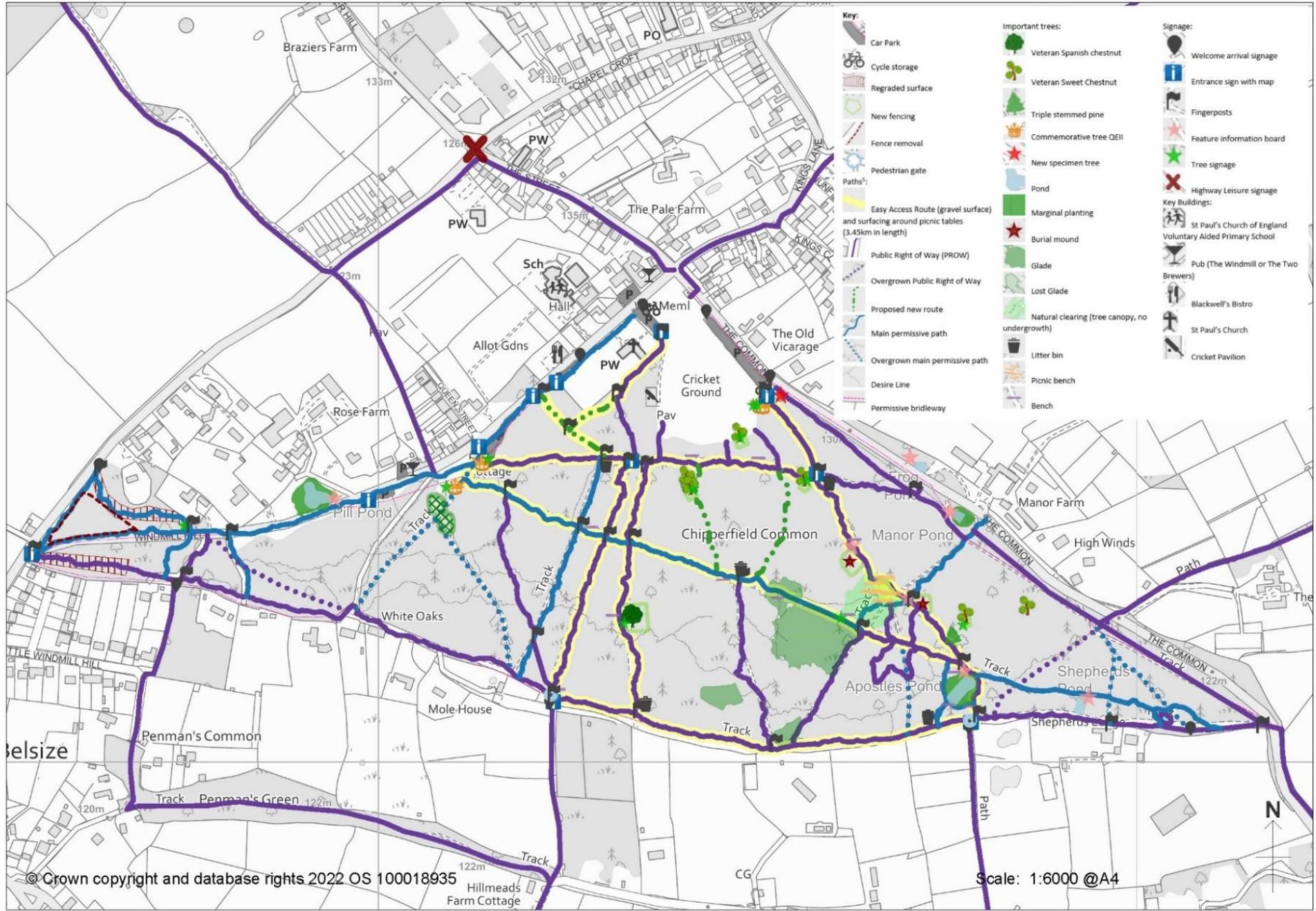


# Delivery Plan – Chipperfield Common

Plans and processes

---

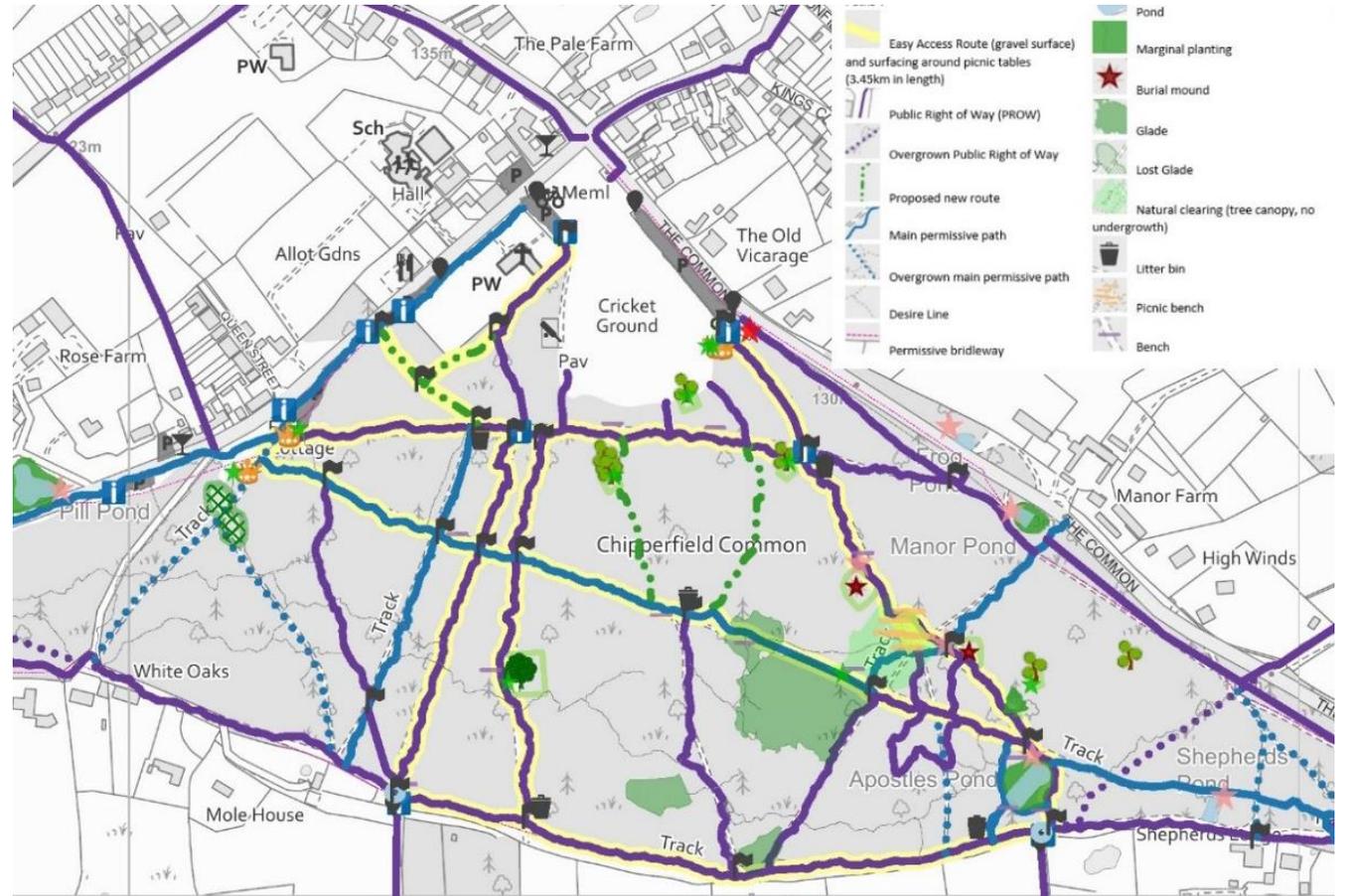
2024 - 2026





# Paths

- Resurfacing Easy Access Route (EAR)
- Maintenance and management of existing paths
- Fingerposts and wayfinding
- Information signage

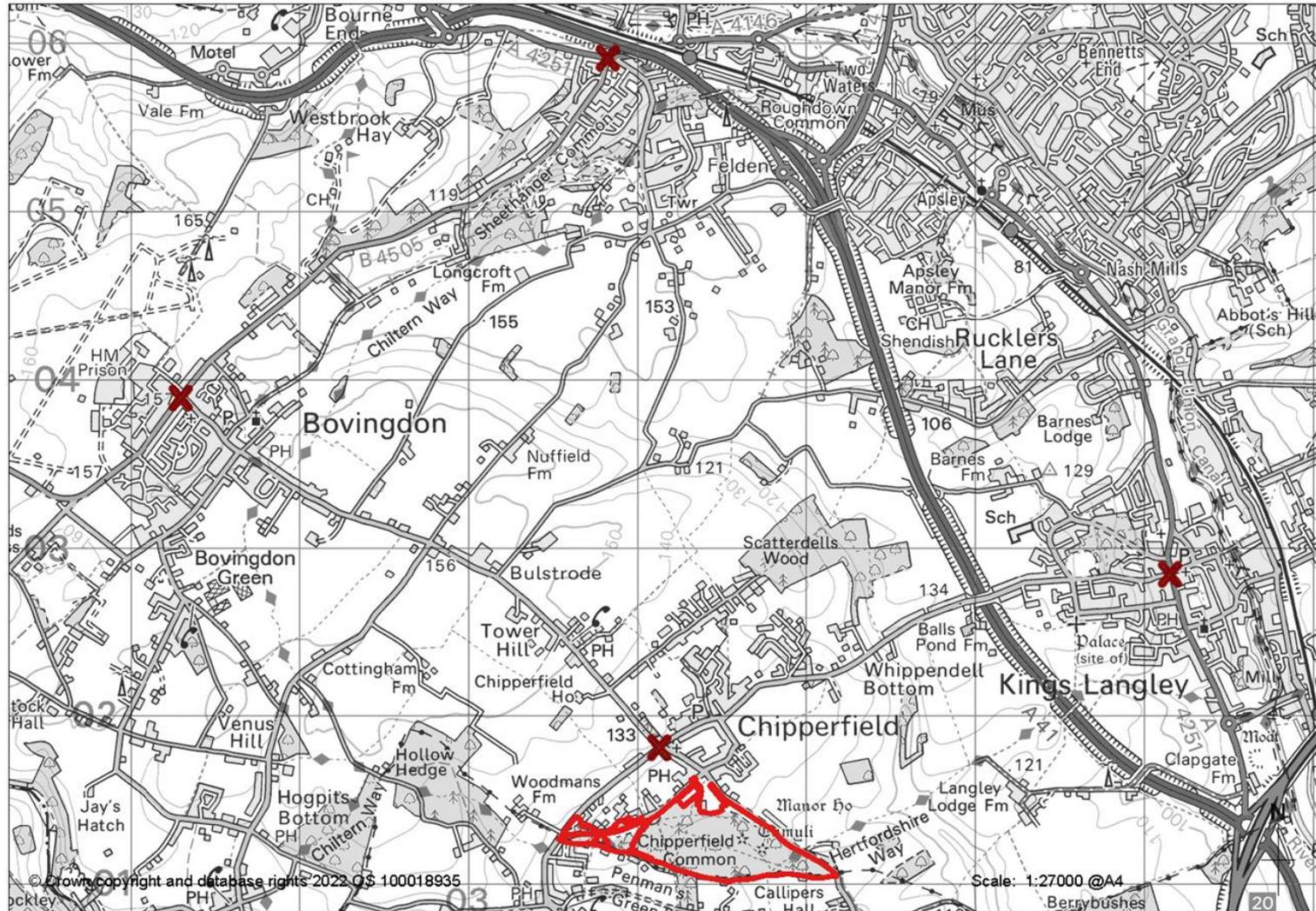




# Parking

- Highway leisure signage
- Entrance area improvements

Chipperfield  
Common





# Access

- New picnic tables
- New benches
- New welcome signage
- New gates and improved access points





# Character of space

- Tree surveys
- Woodland works
- Tree planting
- **Pond works**
- **Protective fencing**





Woodland  
Management

Glade management

Pond  
Management

**Management, Maintenance  
and Monitoring**

Features  
management

Visitor access  
and furniture

Surveys



# Pond works

- High priority ponds:

Apostles Pond and Shepherds Pond

1. Ecological surveys
2. Ecological enhancements
3. Preventative improvements



# Pond works



Sayer, C.D., Biggs, J., Greaves, H.M., & Williams, P. (2023) Guide to the restoration, creation and management of ponds. University College London, London, UK



# 1. Ecological surveys

## Great Crested Newt Habitat Suitability Index Report



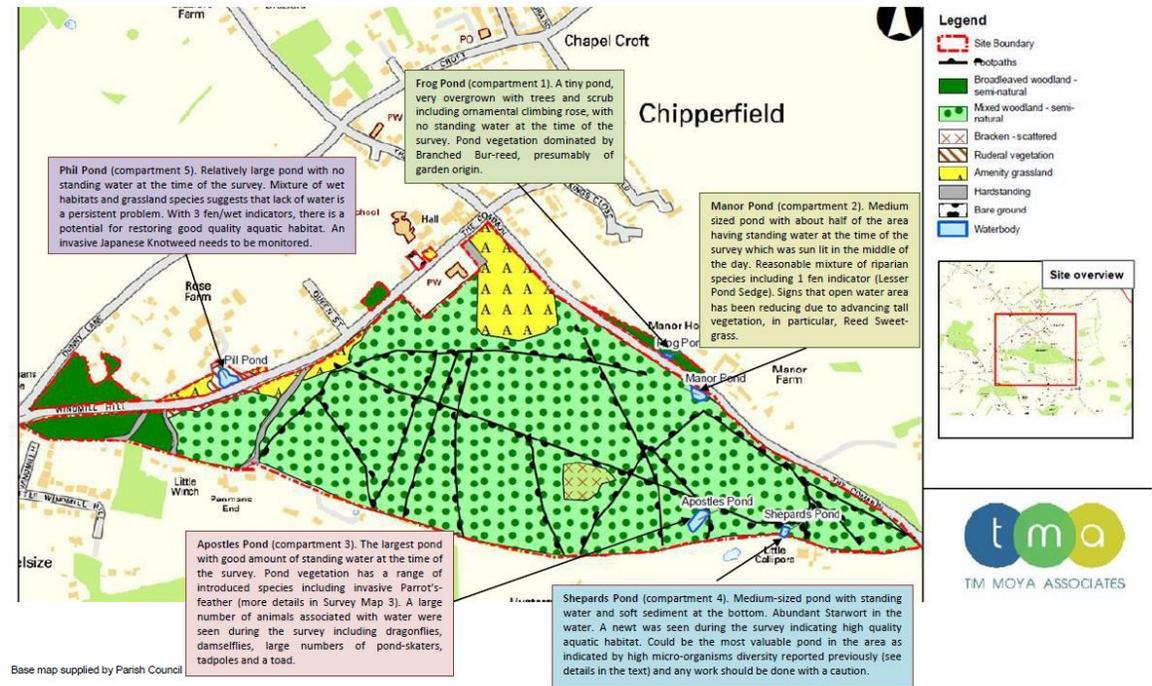
### Ponds

(ID) Name/ description	Field Location	Pond area (m2)	Pond drying*	Water Quality*	Shade (% of bank)	Fowl	Fish	Pond in 1km2	Terrestrial Habitat	Macrophytes %	Grid Reference	Distance from Site (m)	HSI Score	Pond Suitability
(1) Apostles Pond	Optimal	710.10	Rarely	Poor	20	Absent	Absent	11	Good	80	TL0476901091		<b>0.90</b>	<b>Excellent</b>
(2) Shepards Pond	Optimal	227.00	Sometimes	Moderate	80	Absent	Absent	11	Good	80	TL0492501072		<b>0.79</b>	<b>Good</b>
(3) Manor Pond	Optimal	473.60	Sometimes	Moderate	100	Absent	Absent	11	Good	60	TL0477101323		<b>0.75</b>	<b>Good</b>
(4) Pill Pond	Optimal	511.30	Annually	Moderate	30	Absent	Absent	11	Moderate	40	TL0391801354		<b>0.71</b>	<b>Good</b>
(5) Frog Pond	Optimal	87.92	Rarely	Poor	100	Absent	Absent	11	Good	100	TL0471401391		<b>0.63</b>	<b>Average</b>

# 1. Ecological surveys



Survey Map 1: Compartments and species assemblages





# 1. Ecological surveys

Sample ID: ADAS-3249

Condition on Receipt: Low Sediment

Volume: Passed

Client Identifier: Apostles Pond,  
TL047010

Description: pond water samples in preservative

Date of Receipt: 10/10/2024

Material Tested: eDNA from pond water samples

Determinant	Result	Method	Date of Analysis
Inhibition Control <sup>†</sup>	2 of 2	Real Time PCR	16/10/2024
Degradation Control <sup>§</sup>	Within Limits	Real Time PCR	16/10/2024
Great Crested Newt*	0 of 12 (GCN negative)	Real Time PCR	16/10/2024
Negative PCR Control (Nuclease Free Water)	0 of 4	Real Time PCR	As above for GCN
Positive PCR Control (GCN DNA 10 <sup>-4</sup> ng/μL) <sup>#</sup>	4 of 4	Real Time PCR	As above for GCN
Report Prepared by:	Dr Helen Rees	Report Issued by:	Dr Ben Maddison

## 2. Ecological enhancements

1. Removal of non-native species

2. Reduction of colonising in-water plants



3. Removal and/or reduction of select surrounding trees

4. Minimising unnatural disturbance and pollution



## 2. Ecological enhancements

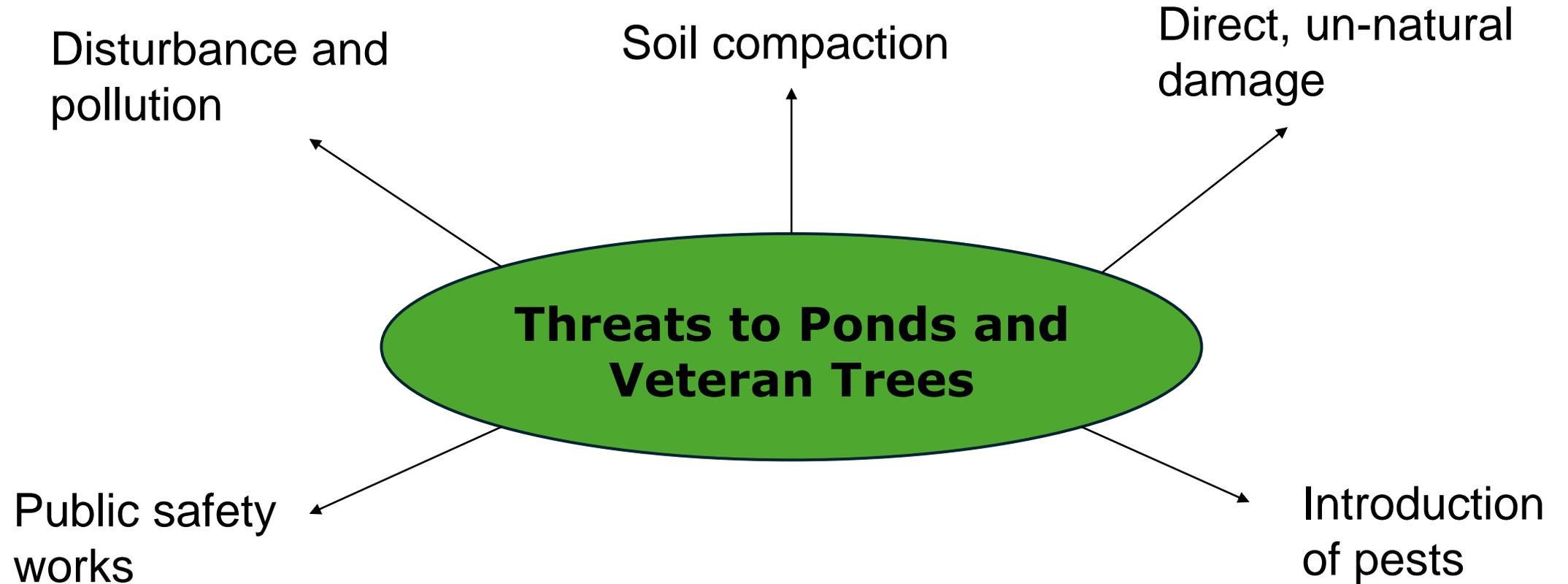
### Ponds

AP = Apostles  
 SP = Shepherds  
 MP = Manor  
 PP = Pill  
 FP = Frog

<i>Date</i>	<i>Works</i>	<i>Pond (s)</i>	<i>By Who</i>	<i>Detail</i>
<b>Autumn 2024</b>	Initial eDNA survey for GCN	AP ; SP	DBC	To get an early indication, however sub-optimal timing
<b>Autumn 2024</b>	Consultation on fencing works	AP ; MP ; SP	DBC & CPC Stakeholders	Fencing works around ponds to be agreed between DBC and CPC. Then presented to stakeholders in preparation of SoS application.
<b>Autumn/Winter 2024</b>	‘Light touch works’ on ponds	All	DBC & FoCC	Reduce shading scrub/trees ; removal of invasives ; remove adjacent veg
<b>Spring 2025</b>	eDNA survey for GCN	All viable ponds	DBC	Optimal timing for conclusive assessment
<b>Spring/Summer 2025</b>	Install fencing around ponds	AP ; MP ; SP	Contractor	As agreed, potentially alongside veteran tree fencing
<b>Autumn/Winter 2025</b>	Significant works on ponds	AP ; MP ; PP	Contractor	Remove vegetation within ponds ; remove invasives ; reduce/remove larger scrub/trees



# 3. Preventative Enhancements





# 3. Preventative Enhancements

## Aims:

1. To safeguard the integrity of the features into the future
2. To protect the safety of the public and dogs
3. To preserve the vulnerable wildlife associated with the features
4. To maintain the connection between these features and visitors

## Objectives:

- a) To limit access to people and dogs by installing appropriate fencing
- b) To inform and engage visitors in the importance and vulnerability of these features through signage installed alongside

# Protective fencing



Appendix 1: Example cleft chestnut post and rail with stock netting

Retrieved 11/10/24 <https://tate-fencing.co.uk/product/cleft-chestnut-post-and-rail-3-rail/>





# Secretary of State approval

- As Chipperfield Common is registered common land, approval must be granted for fencing works, under Section 38 of the Commons Act 2006
- This process requires:
  1. Engagement with stakeholders on proposed works
  2. Application to planning inspectorate
    - i. Proposal of works
    - ii. Advertisement and consultation



# Case Study - Bracknell Forest Council SANGs



# SANGs in Bracknell Forest

- Like DBC, SANG are allocated by Bracknell Forest Council (BFC) in response to the mitigation scheme for the Thames Basin SPA.

**8 years**

**Over 15  
sites**

**Chosen  
&  
Bespoke**

**Delivery  
Team**



# Signage and interpretation





**Thank you for your time**  
**Any questions?**

Email: [steven.werrell@dacorum.gov.uk](mailto:steven.werrell@dacorum.gov.uk)

Phone: 01442 228187