

Wild Parishes

Pond Management

- Andy Gunn Community Wildlife Manager, Oxon
- Mark Bradfield Letcombe Brook Project Officer
- Joel Ashton (Butterfly Brothers) Hazelhill Wood Landscapes
- Christine Marsh Kirtlington Village Pond (Case Study)

www.bbowt.org.uk/wildparishes

WILD PARISHES - Ponds!





Ponds in your community

Wild Parishes Webinar

Thursday 27th of August 2020

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- Christine Marsh Kirtlington Village Pond (Case Study)

What we want you to get from this webinar....

- Practical examples of pond management and construction.
- Idea's on what type of pond is right for your community
- Why ponds are important
- Inspiration!

www.bbowt.org.uk

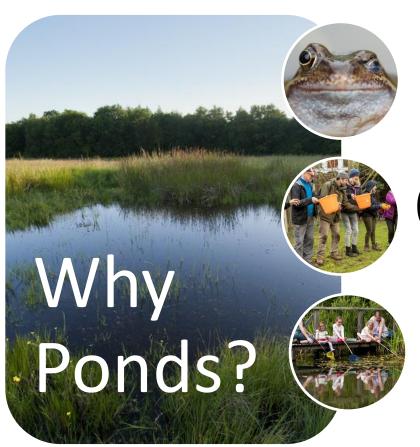
What is a pond?

- "A small body of still water formed naturally or by artificial means" (1 square meter to 2 hectares)
- Often historically or culturally significant
- On or off-line
- Can be seasonal
- Each type of pond supports unique community of wildlife





Why Ponds?



Wildlife

Community
People

What sort of pond?

Wildlife Pond



Duck Pond



Education Pond



Fish Pond



Small Pond



Wild Swimming Pond





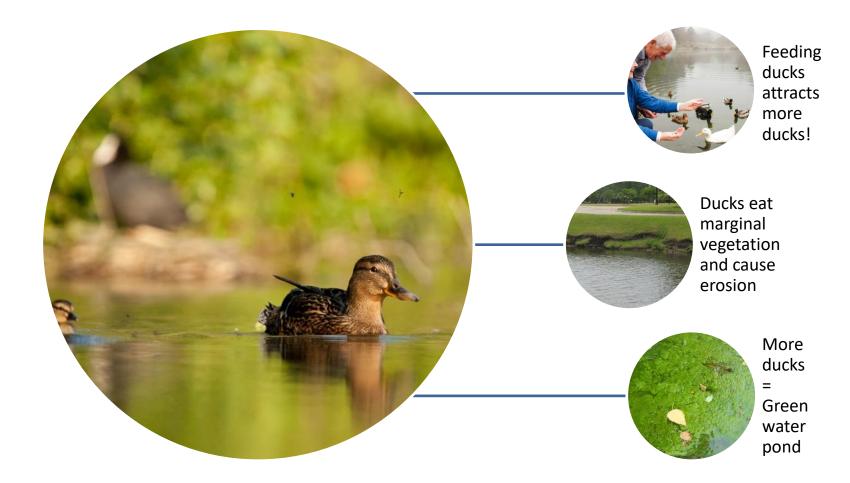
Ponds: Challenges and Considerations

Mark Bradfield: Letcombe Brook Project Officer

Dogs in ponds!



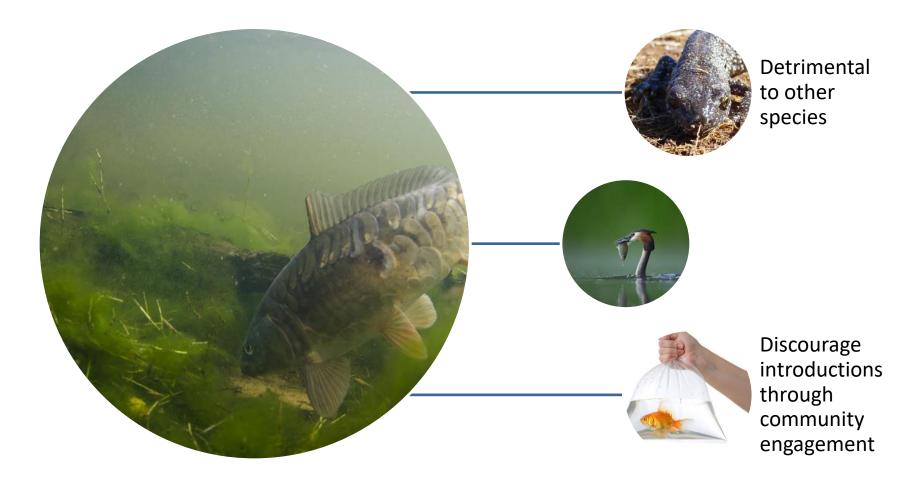
Ducks in ponds!



Invasive Species!



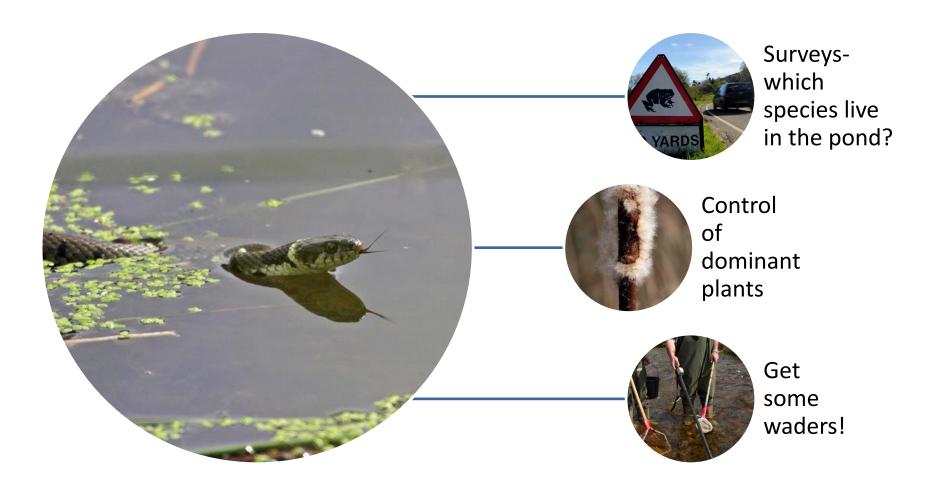
Fish!



Health and Safety



Future Management





Wild Banbury – example pond budget

*Thinking about 2 ponds in SP for now, so not including cost of third pond liner and under/overlay

Item	Location	Cost SP	Cost HBW	Est. or actual?
Planning permission	SP	195.00		Α
Planning permission	HBW		195.00	Α

OPTION 1: Do as much as we can ourselves, incl. digger hire with Jim/Martin driving, shifting spoil by hand at HBW, laying liners and

backfilling by hand. Platform installation has to fit round us.							
Digger hire 2 days	SP	216.00	E				
Digger hire 2 days	HBW		216.00 E				
Dumper truck hire 1 day	SP	120.00	E				
Dumper truck driver 1 day	SP	240.00	E				
Pond liner and under/overlay x2	SP	4,428.00	E				
Pond liner and under/overlay x1	HBW		1,600.00 E				
Dipping platform + installation							
(Smallwoods)	SP	2,000.00	E	(
District and the Control of the Cont							

Banbury Plant Hire 01608 730215 - spoken to on 9/3/17 1.5 tonne mini digger: £60 per day + £30 delivery ex. VAT 1 tonne dumper: £70 per day +£30 delivery ex. VAT

£40 per hour - book well in advance

(for wood; £3,400 for plastic)



(AGA group)

COMBINED TOTAL

TOTAL

3,000.00 E 3,000.00 E

7.004.00 7.816.00 14,820.00





OPTION 2: As above but leave lining and dipping platform installation to contractors. Would have to backfill over liners by hand

	or more zone and rease mining an	~ ~.bb8 b.					
to save 2x digger hire - or hire own diggers again and ask Jim/Martin to help.							
	Digger hire 2 days	SP	216.00	E			
	Digger hire 2 days	HBW		216.00 E			
	Dumper truck hire 1 day	SP	120.00	E			
	Dumper truck driver 1 day	SP	240.00	E			
	Pond liner x2 - bentonite	SP	2,500.00	E			
	Pond liner x1 - bentonite	HBW		750.00 E			
	Dipping platform + installation (AGA						
	group)	SP	3,000.00	E			
	Dipping platform + installation (AGA						
	group)	HBW		3,000.00 E			
	Welfare charges for contractors (AGA						
	group)	SP	5,000.00	E			
	Welfare charges for contractors (AGA						
	group)	HBW		5,000.00 E			
	TOTAL		11,076.00	8,966.00			
	COMBINED TOTAL			20,042.00			

*we would have to make sure we had dug something the right shape to fit their liners

Still to buy

Trees

Seed: Woodland N10, 500g (100m2) SP Seed: Clay mix N6, 4kg (800m2) SP

Seed: Water's edge mix NV8F, 0.3kg (200m2) SP Seed: Wetland mix N7, 1.5kg (300m2) HBW

Seed: Flowering lawn N14, 1kg (200m2) HBW Plug plants: Water's edge collection N8, 3x150 plants Additional planning permission

*Additional survey work (TVERC) in 2019

TOTAL £10.00

£24.50 £146.00 £46.50 £55.50 £37.00 £250.00 £97.00 £640.00

£1,306.50

*this leaves no funding for the third SP pond

Letcombe Valley Pond











Lining the pond

Back-filling

Completed

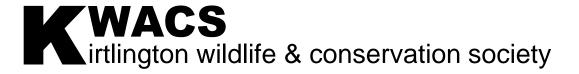
Practical Pond Project Advice

Joel Aston Hazelwood Landscapes Ltd









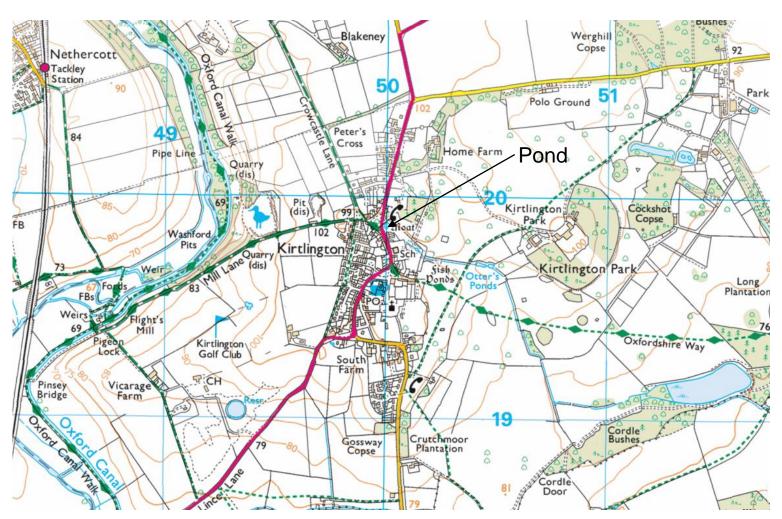
MANAGEMENT OF A VILLAGE POND

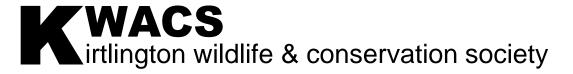


CHRISTINE MARSH – KIRTLINGTON RESIDENT

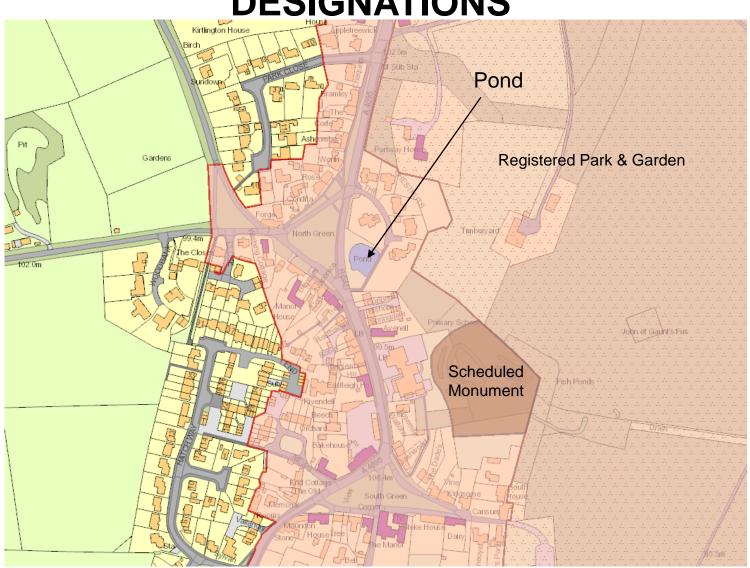


KYTE'S POND



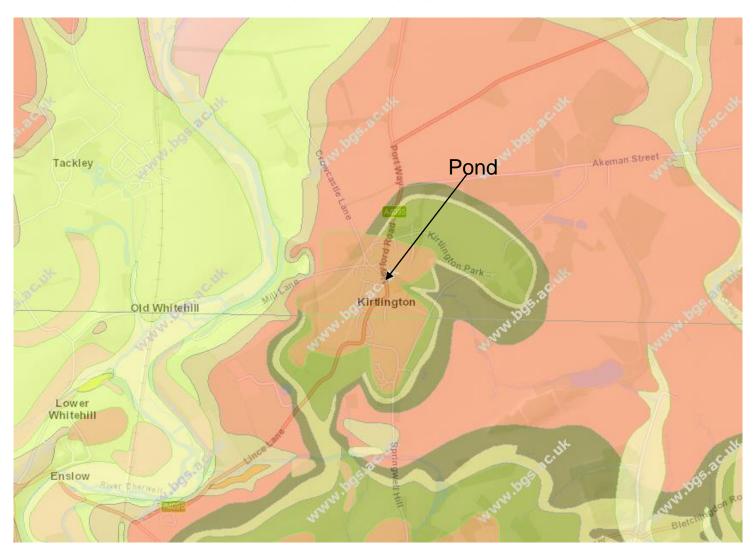


DESIGNATIONS



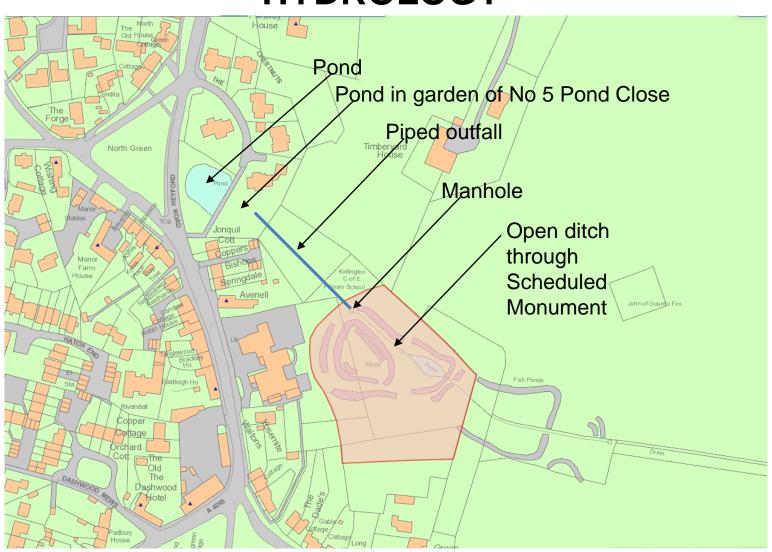


GEOLOGY





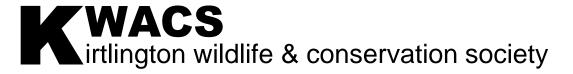
HYDROLOGY





CURRENT MANAGEMENT – WINTER WORK PARTIES

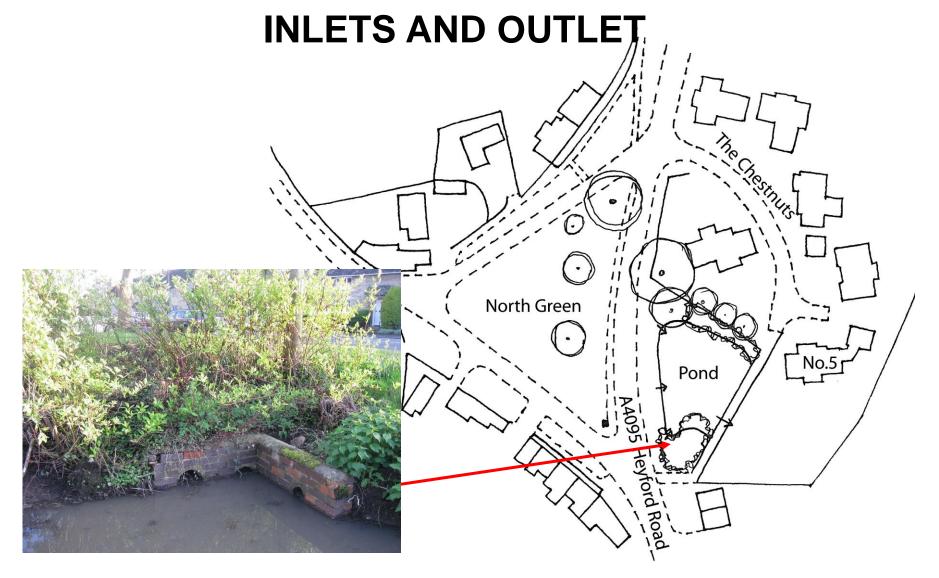




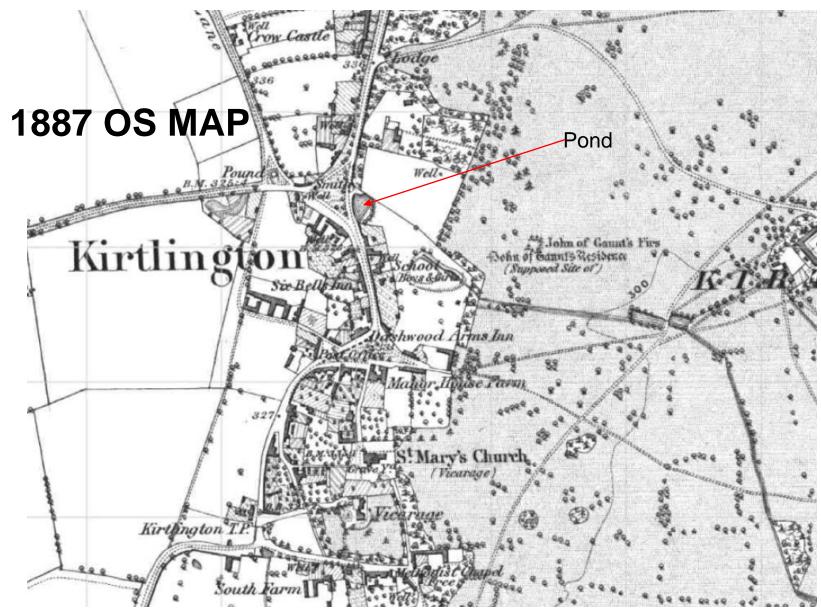
CURRENT MANAGEMENT – WINTER WORK PARTIES







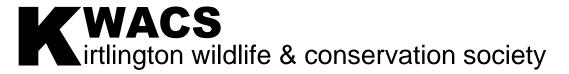
WACSirtlington wildlife & conservation society





HISTORICAL PHOTO





ELMS ON NORTH GREEN





NORTH GREEN & FORMER VILLAGE HALL





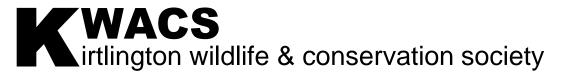
NORTH GREEN WITH POND TO RIGHT





POND SURVEYS UNDERTAKEN BY EXPERTS





EVIDENCE OF BREEDING NEWTS





GREAT CRESTED NEWTS





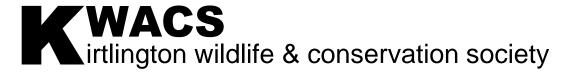
GCN – LICENCE REQUIREMENTS





MARSH MARIGOLD





BOGBEAN AND GREATER SPEARWORT





PROBLEM PLANT – CRASSLA





PROBLEM PLANT – AZOLLA – NOW GONE





CRASSULA MIXED WITH AZOLLA



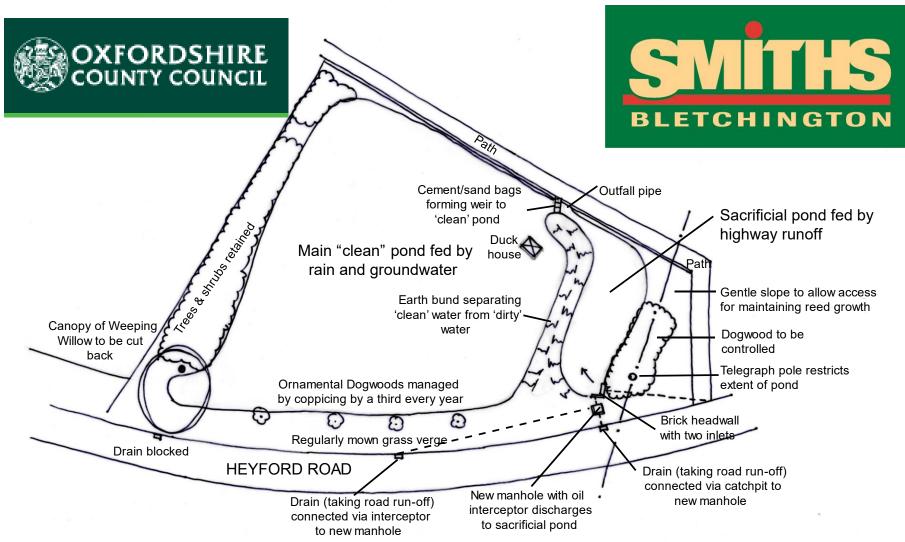


THE SWAMP - NUTRIENT ENRICHMENT





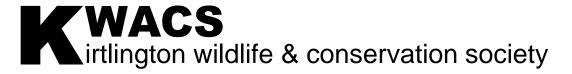
REMEDY FOR ROAD RUNOFF





NEW OIL INTERCEPTOR AND POND





SACRIFICIAL POND PRIOR TO CONNECTION





SACRIFICIAL POND AFTER RAIN





NEXT STAGE

SCHEDULE OF WORKS FOR THIS WINTER

- Clear pipe between No 5 Pond Close and manhole in wood;
- Drain the pond down, using a petrol diaphragm pump, discharging into garden pond of No 5 Pond Close (arrange for fish disposal!) – may need to continue pumping during the works depending on speed of groundwater recharge;
- Digger for 4-5 days to remove vegetation and as much root as practical, with disposal via tractor and trailer to local farm – laboratory analysis of sediment has confirmed contamination not an issue (interpretation of result by Environment Agency);
- Stabilisation of stone wall to rear of pond (Parish Council funding);
- If funds allow, install information board of works undertaken and species to be seen.



RESCUE PLANTS BEFORE THE DIGGER MOVES IN





RAY'S DUCK HOUSE RESTORED

