

Appendix iv: Photos and sections of the Donnington Parish 1839 tithe map of the sites for potential improvement

- 1. River Lavant (SU 85277 04028)** - this section of river is full of litter and needs to be regularly cleaned out to prevent pollution and the plastic and other waste making its way into Chichester Harbour.

There are many fallen trees and branches that are tented in bramble and are heavily shading some sections – these could be cleared away, the dead wood stacked on the banks and a better range of habitat opportunities created.



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2. **Donnington Manor Farm** (SU 8593 702656) - where Dingles, Poor Field and Twenty Five's field meet there is the potential for digging out a deeper area to create junction pond to hold water for longer and improve capacity. This would provide a greater area for water to be held during high rainfall events while also creating good wetland habitat for wildlife.
A hedge could also be planted along one side of the ditch to help soak up water, preserve the soil and cut down on wind erosion.



Appendix iv: Photos of potential improvement opportunities
Fixing and Linking Our Wetlands

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- 3. Donnington Manor Farm (SU 86150 02458) - tramlines north and south fields off Selsey Tramway – there is potential to dig out and reinstate a relic pond that appears on the 1839 tithe map for the parish, at the western end where ditch widens out and deepens. This will increase the tanking capacity for holding water and improve the quality of the wetland habitat.**
A hedgerow could also be planted to one side to reduce soil erosion and to link up the wildlife corridors.



Deep wide section of ditch / pond seen on old tramline site



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4. **Donnington Manor Farm (SU 85811 02525)** - the old roman road ditch at the end of Pelly's Lane is the site of a large relic pond that appears on the 1839 tithe map for the parish and could be dug out and opened up by removing some of the surrounding trees and scrub. This would create an area for more water storage and wetland habitat for wildlife that would link with the surrounding ditches. The water may stay in this pond for longer while the surrounds waterways dry up, giving it extra habitat value.



Relic pond
seen next
to roman
road



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5. **Donnington Manor Farm** (SU 85767 02259) - the old the roman road site – there is evidence of long-term rubbish burning and dumping here and it is close to the waterway and has the potential to pollute and over-nutrient the water. This could be removed and the area re-planted.



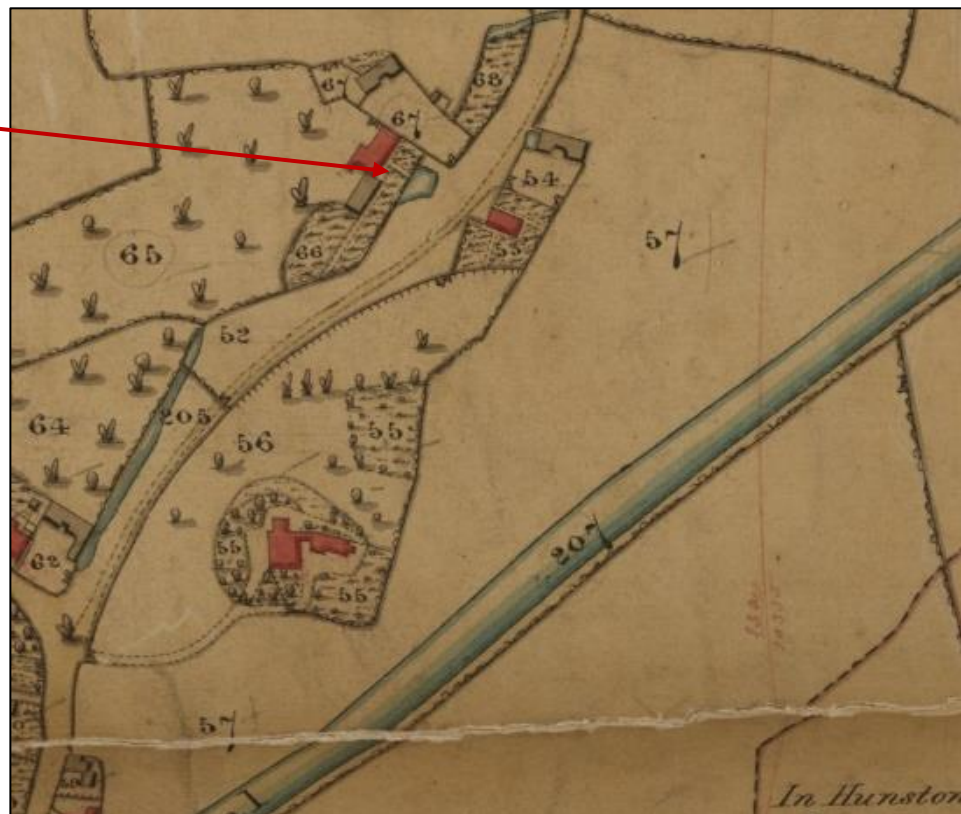
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6. **Pelleys Lane pond (SU 85686 02162)** - there is potential for deepening this pond, that appears on the 1839 tithe map for the parish and linking it to the wider ditch system. This would add value to the wetland habitat network and may result in the site staying wetter for longer



Pelleys
Lane pond



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7. **Pelleys Lane ditch** (SU 85552 02106) - this ditch is wide and full of riparian vegetation but by managing the shading trees and bramble a greater range of biodiversity could be achieved. A section would benefit from being dug out to keep it wet for longer and therefore offering valuable refuge for wildlife during the summer when many ditches dry out.



Pelleys Lane ditch



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8. **Donnington Manor Farm** (SU 85106 02454) - ditch junction south west of Donnington Manor. There is potential for a junction pond at the western end where main ditch turns to the south. This would create an area for holding more water for longer and add value to the wetland habitat.



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- 9. Donnington Manor Farm (SU 84889 02116) - valley to west of Donnington church.** This natural valley has a mini floodplain and wet meadows either side and so is valuable to wildlife. There is a relic pond, that appears on the 1839 tithe map for the parish adjacent to this waterway but overgrown with willow that could be cleared and dug out. There is potential for tree planting in the hedge south of the footpath nearby would add connectivity.



Relic pond just on the edge of the Donnington rife flood plain



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- 10. Southend Farm (SU 85573 01740)** - this relatively recently created pond on southern boundary of dairy field needs to have the vegetation managed to ensure the willow and bramble does not take over and it remains suitable for water voles. The size could also be increased to create more habitat and to hold more water for longer.



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11. Southend Farm (SU 85063 01487) - this ditch junction south of the Blacksmiths pub has potential for digging out and deepening at this intersection of ditches to improve biodiversity and to hold water for longer.

A hedgerow could also be planted along one side of the ditch to prevent soil erosion, improve soil permeability, and add biodiversity value.



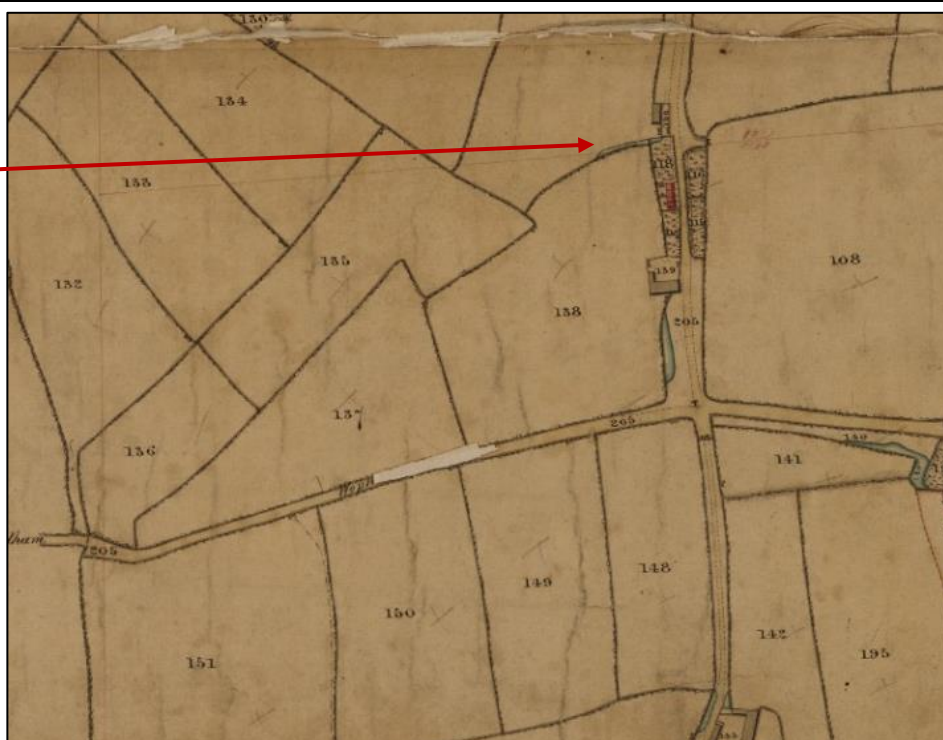
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- 12. Southend Farm (SU 84957 01190)** - just adjacent to the B2201, south of the Blacksmiths pub, and next to a dwelling there is an opportunity to dig out a wide section of ditch that terminates here and which appears on the 1839 tithe map for the parish. This could create a wet area for longer and add wildlife value. A hedgerow could be planted to connect up the wildlife corridors and to improve biodiversity.



Relic pond along the property line and field boundary



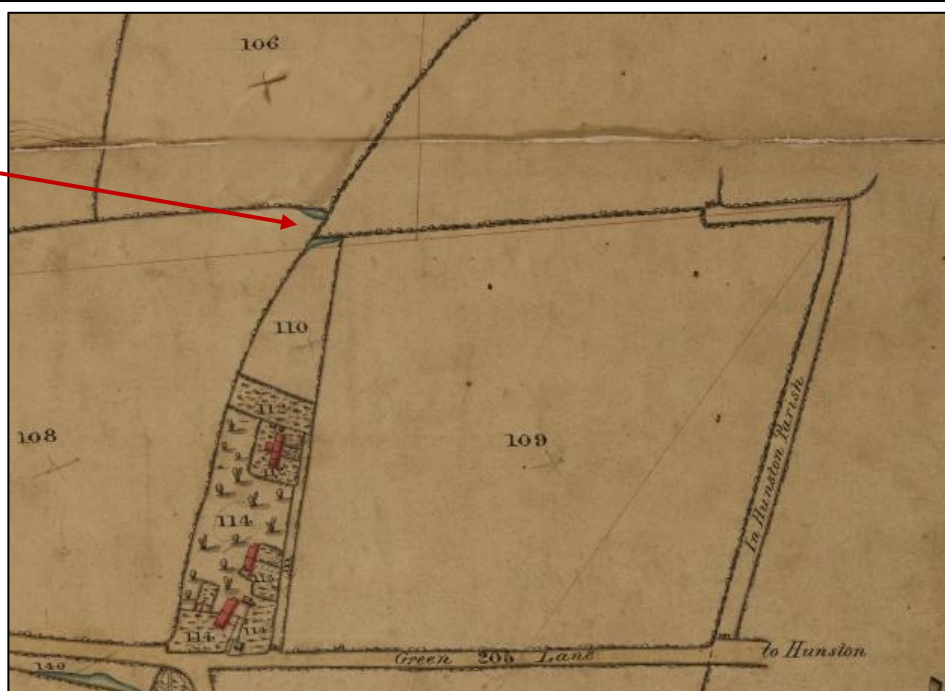
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- 13. Southend Farm (SU 85271 01096) - Corners, Cooper and Peartree field junction.** There is an opportunity to dig out this area as a deep junction pond as it is the location where 4 ditches come together. This area appears on the 1839 tithe map for the parish as 2 ponds. Creating a deep large pond would offer refuge for wetland wildlife during the summer months when the surrounding ditches dry out and additional tree planting would re-enforce the wildlife corridor.



Two relic ponds at a 4-way ditch junction



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- 14. Southend Farm (SU 85054 00861) - Field corner, opposite Green Lane. There is potential to create a pond area in this large ditch and to manage the shading bramble and willow to improve biodiversity. This appears as a pond on the 1839 tithe map for the parish and may stay wet for long period creating valuable habitat and improved tanking capacity during high rainfall events.**



Relic pond on the corner of Green Lane and what is now the B2201



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- 15. Southend Farm (SU 84629 00095)** - there is a shallowed-out ditch at the southern edge of Southend Farm, adjacent to Jury Lane, that borders an extremely wet marshy area. This site shows a pond on it on the 1838 tithe map for the parish which has been lost. Reinstating it and deepening the connecting ditches would create important wetland habitat and help to dry out the nearby road that is prone to surface water flooding.



Relic ponds now lost in marshy area



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- 16. Southend Farm (SZ 84325 99962)** - this wide ditch connects to other ditches at southern edge of Southend Farm. There is an opportunity to create a large junction pond that holds water for longer. With some scrub management to get light onto the water, the biodiversity value will improve.



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- 17. Mapsons Farm (SU 84059 00127)** - the two Eelpie Ponds are connected to ditches across the area and have potential for improvement. They appear on the 1839 tithe map for the parish when there were three of them. Hedgerows could be planted to link up the ponds and to manage the soil going into the water. The new hedgerows could also connect to the established ones on the perimeters of the fields acting as wildlife corridors. This would improve the biodiversity of the site.



Eelpie ponds – the two to the north are still evident but the one to the south is no longer present



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- 18. Southend Farm (SU 83883 00513)** - this ditch on the parish boundary to west of the main Southend Farm has potential to be improved at the western end. By opening up the junction of the ditches, digging it out and removing the scrub and shading tree branches, the wildlife value of the wetland and its ability to hold more water will improve.

