

Appendix 1 - Histon Pond Enhancement – summary of techniques

Method	Benefits	Disadvantages	Estimated cost per metre
Spiling (willow weaving)	<ul style="list-style-type: none"> ·Can be installed to create a living screening, thus lasting longer than “dead” wood. ·Provides good habitat for small fish and invertebrates. ·Looks attractive and traditional. ·The weaving process can closely fit with any undulations in the bed of the pond. 	<ul style="list-style-type: none"> ·The gaps formed between the weave are unlikely to adequately hold the fine silts dredged from the pond. ·A screen of fresh willow may obstruct views and may need management. ·May only last 10-15 if kept wet. Parts exposed to air due to water fluctuation will decay relatively quick compared with other methods. ·The weaving of willow is relatively time consuming and requires a very large amount of suitable material to be brought on to site. ·Vertical posts will need to be put in at approx 0.4m gaps in order to hold the spiling. 	£50
Hurdles (woven wooden fences)	<ul style="list-style-type: none"> ·Can be installed relatively quickly. ·Hurdles can be bought and transported to the site as required. ·Provides good habitat for small fish and invertebrates. 	<ul style="list-style-type: none"> ·The gaps formed between the weave are unlikely to adequately hold the fine silts dredged from the pond. ·May only last 10-15 if kept wet. Parts exposed to air due to water fluctuation will decay relatively quick compared 	£40

	<ul style="list-style-type: none"> ·Looks attractive and traditional. 	<ul style="list-style-type: none"> with other methods. ·Hurdles tend to come in standard sizes that may not “fit” the dimensions of the pond. 	
Faggots (bundles of cut hazel)	<ul style="list-style-type: none"> ·Can be installed relatively quickly. ·Provides good habitat for small fish and invertebrates. Looks attractive and traditional. ·The flexible nature of the bundles may allow them to fit with any undulations in the bed of the pond. ·Faggots can be bought and transported to the site as required. 	<ul style="list-style-type: none"> ·The gaps formed between the brushwood may not adequately hold the fine silts dredged from the pond. ·May only last 10-15 if kept wet. ·Parts exposed to air due to water fluctuation will decay relatively quick compared with other methods. 	£20
Concrete or stone edging	<ul style="list-style-type: none"> ·Very strong and robust. Can be installed by non-specialist contractor. ·Would hold dredged silts if an additional frontage were created. 	<ul style="list-style-type: none"> ·Provides a degraded habitat from that which is already present. ·Looks unsightly and urban. 	£60
Wooden revetment	<ul style="list-style-type: none"> ·Relatively strong and robust. ·Can be installed by non-specialist contractor. ·Would hold dredged silts if an additional frontage were created. 	<ul style="list-style-type: none"> ·Provides no-change from that which is already present. 	£60

Nico-span	<ul style="list-style-type: none">·Very strong and robust as it is specifically designed for the purpose of silt retention.·Relatively unobtrusive in appearance being black.·Become partially vegetated in time.·Relatively easy to install by specialist contractors.·The flexible nature of the material enables it to be fitted to the varying nature of the pond's bed.	·It is a relatively new technique in the area with no suitable examples in the district.	£12.9
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