

Ref	Description	Image
P01	Settlement lagoon with riparian zone consisting of a combination of colliery silt and small pebbles, almost devoid of vegetation with the exception of three saplings of <i>Salix</i> spp. growing on extruding silt deposits. Patches of <i>Potamogeton</i> spp. are present in the centre and toward the margins, covering approximately 10% of surface area. eDNA result: Negative HSI Score: 0.58 (below average) Lined (y/n): No	
P02	At the time of surveying (June) this pond was almost entirely vegetated, with minimal open water and had taken on the characteristics of marshy grassland. The dominant plants were rushes such as <i>Juncus effusus</i> and <i>Typha</i> spp. During the winter months it is likely that the water level increases, forming a more typical pond. eDNA result: Negative HSI Score: 0.50 (Poor) Lined (y/n): No	

Ref	Description	Image
P03	The riparian zone/banks were entirely of exposed pond liner with no vegetation. Approximately 20% of the eastern end of the pond area was composed of a solidly vegetated mat. This mat consisted of a diverse range of grasses (such as common Bent, <i>Agrostis capillaris</i>; crested dog's-tail, <i>Cynosurus cristatus</i> and Sweet Vernal-grass, <i>Anthoxanthum odoratu</i>), sedges (primarily <i>Carex</i> spp.), numerous saplings of eared willow (<i>Salix aurita</i>) and some small gorse. Submerged vegetation was dominated by <i>Elodea</i> spp. Which covered almost the entire bottom of the pond. Approximately 40-50% of the surface area was comprised of <i>Potamogeton</i> spp. eDNA result: Positive HSI Score: 0.75 (Good) Lined (y/n): Yes	
P04	Set within a previously restored area of grazed grassland, the majority of the riparian zone was free of vegetation, consisting of bare stoney ground, with the exception of a single stand of <i>Juncus</i> spp. This species also comprised the only vegetation within the pond itself, in the form of an emergent stand of less than 5% of the area eDNA result: Positive HSI Score: 0.51 (Below average) Lined (y/n): No	

Ref	Description	Image
P06	The banks of the largest of the three sub-divisions was formed of exposed liner and free of vegetation. At the northeastern end was a small strip of densely matted vegetation (primarily <i>Juncus</i> spp.) which formed approximately 5% of the pond area. Minimal aquatic vegetation was observed. The banks of the two adjacent smaller sub-divisions also consisted of exposed liner, though the degree of exposure was significantly less than the larger pond. Marginal vegetation in both these ponds was comprised of <i>Typha</i> spp. (less than 10% of the total area) and floating vegetation in the form of <i>Potamogeton</i> spp. covered approx. 20-30% of the surface of each. eDNA result: Negative HSI Score: 0.47 (Poor) Lined (y/n): Yes	
	This pond contained minimal vegetation with the exception of coltsfoot (<i>Tussilago farfara</i>) growing within the colliery spoil which forms the banks and surrounding area. No aquatic vegetation was observed. eDNA result: Negative HSI Score: 0.30 (Poor) Lined (y/n): No	

Ref	Description	Image
P09	This pond was comprised of two adjacent sub-divisions. Both were surrounded by a short strip of exposed liner which transitioned into an area of silt deposit before the waters edge. Of the easterly of the two were several small overhanging bushes (<i>Salix</i> spp.) forming approximately 40% of the margin. The surface of this pond was largely covered by <i>Potamogeton</i> spp. interspersed with emergent <i>Juncus</i> spp. Leaves and a stand of <i>Typha</i> spp. The more westerly pond was largely of the same composition but contained significantly more <i>Juncus</i>, which formed a dense strip around approximately 40% of the margin. eDNA result: Positive HSI Score: 0.45 (Poor) Lined (y/n): Yes	
P9a	This washout lagoon was heavily coloured by ochre and contained no submerged or floating vegetation. There were small patches of <i>Juncus</i> and <i>Tussilago farfara</i> around the margins, making up less than 5%. eDNA result: Inconclusive* HSI Score: 0.43 (Poor) Lined (y/n): No *Due to suspended sediment levels.	

Ref	Description	Image
P10	The margins of both sub-divisions were well vegetated with a composition of sedges (primarily <i>Carex</i> spp.), rushes (<i>Juncus</i> spp.), reedmace (<i>Typha</i> spp.), <i>Salix</i> saplings and <i>Elodea</i> spp. The surface was covered by <i>Potamogeton</i> spp. eDNA result: Positive HSI Score: 0.64 (Average) Lined (y/n): No	
P11	Banks were dominated by short, patchy graminoids and forbs. These included various grasses, rushes, sedges, horsetail (<i>Equisetum</i>), coltsfoot, thistles, red sorrel (<i>Rumex acetosella</i>). Vegetation was most dense where silt had accumulated at the outflow. Here there were taller stands of <i>Typha</i>, <i>Equisetum</i>, <i>Juncus</i> and <i>Salix</i> saplings. eDNA result: Negative HSI Score: 0.43 (Poor) Lined (y/n): No	

Ref	Description	Image
P12	Largely similar to the adjacent pond 11, with the exception of dense marginal patches of <i>Equisetum</i> in the corners. eDNA result: Negative HSI Score: 0.44 (Poor) Lined (y/n): No	
P13	A shallow pond with minimally discernible banks on the top of OB2, much of the margin and surface was dominated by emergent <i>Juncus</i> interspersed with patches of algae. eDNA result: Negative HSI Score: 0.45 (Poor) Lined (y/n): No	

Ref	Description	Image
P14	Adjacent to wheel wash when approaching Bogey Road crossing point. Limited Vegetation but connectivity to better ponds and wider foraging areas to East. eDNA result: Positive HSI Score: 0.65 (Average) Lined (y/n): No	No Image
P15	The margins of this pond were very well vegetated, primarily by <i>Equisetum</i> interspersed with <i>Juncus</i> and <i>Carex</i> as well as a few small <i>Salix</i> saplings. Submerged vegetation was limited but there were areas of <i>Elodea</i> spp. and some floating <i>Potamogeton</i> patches. eDNA result: Positive HSI Score: 0.74 (Good) Lined (y/n): No	 The photograph shows a calm pond with a grassy bank on the left. A single tree stands on the bank, its reflection clearly visible in the still water. The sky is overcast with grey clouds. In the foreground, on the right, there is a concrete curb and some discarded white paper or trash.

Ref	Description	Image
P16	Approximately 50% of the area was predominantly exposed silt with a narrow channel of shallow water draining into a deeper section at the other end. The margins were well vegetated, primarily by grasses, a single gorse bush and patches of <i>Juncus</i>, with <i>Equisetum</i> occasionally protruding through the exposed silt deposits. eDNA result: Positive HSI Score: 0.43 (Poor) Lined (y/n): No	
P16a	Well vegetated with 50% of the margin consisting of a dense <i>Typha</i> stand with the remaining area comprised primarily of short grasses and small patches of <i>Juncus</i>. The majority of surface area consisted of a dense mat of <i>Potamogeton</i>. eDNA result: Positive HSI Score: 0.64 (Average) Lined (y/n): No	

Ref	Description	Image	
P17	Wide banks covered with short and patchy grasses and mosses interspersed with coltsfoot. The margin was largely dominated by a thin strip of <i>Juncus</i> with occasional overhanging <i>Salix</i> bushes. Much of the surface area was covered by a thin mat of <i>Potamogeton</i>. eDNA result: Positive HSI Score: 0.68 (Average) Lined (y/n): No		
P18	The banks of both sub-divisions were well vegetated, consisting mostly of very short grasses and forbs. Marginal vegetation was minimal with the occasional small stand of <i>Juncus</i> and <i>Typha</i>. Floating vegetation was also relatively minimal, with some small areas of <i>Potamogeton</i> toward the margins where the water was shallower. eDNA result: Positive HSI Score: 0.65 (Average) Lined (y/n): No		

Ref	Description	Image
P19	50% of the margin comprised a sheer wall where material has slipped from the adjacent OB3. The accessible margin showed no discernible bank, transitioning from grassland directly to shallow water, followed by a steep drop off into deep, clear water. Around the shallow marginal strip was submerged grass with emergent <i>Juncus</i> and the occasional <i>Typha</i>. Over the deepest section a mat of <i>Potamogeton</i> was evident. eDNA result: Negative HSI Score: 0.58 (Below average) Lined (y/n): No	
P20	The banks of both sub-divisions were sparsely vegetated by short, dry and patchy grasses and mosses interspersed with lichen. Marginal vegetation was limited to small patches of <i>Juncus</i>. The dominant feature was the presence of large over-hanging bushes around much of water's edge, predominantly <i>Salix</i> and <i>Betula</i> with the occasional <i>Buddleja</i>. eDNA result: Positive HSI Score: 0.68 (Poor) Lined (y/n): No	

Ref	Description	Image
P21	Fed by Bargod taf stream and formed in a depression at the foot of OB3. A high-quality and heavily vegetated pond with clear water. Much of the riparian zone is dominated by large <i>Salix</i> bushes surrounded by <i>Juncus</i> and tall ruderals such as rosebay willowherb (<i>Chamaenerion angustifolium</i>) and foxglove (<i>Digitalis purpurea</i>). The margins are dominated by a dense mat of <i>Equisetum</i> interspersed with <i>Juncus</i>, <i>Carex</i> and grasses (mainly <i>Cynosurus cristatus</i> and <i>Anthoxanthum odoratu</i>). The surface of the pond is largely covered by <i>Potamogeton</i> with emergent <i>Typha</i> and <i>Equisetum</i> scattered throughout. eDNA result: Negative HSI Score: 0.75 (Good) Lined (y/n): No	
P22	Both sub-divisions have similar characteristics, with banks dominated by <i>Salix</i> bushes and occasional <i>Buddleja</i>. The majority of the margins consist of a thin covering of <i>Typha</i>. Submerged and floating vegetation were not observed. eDNA result: Positive HSI Score: 0.70 (Good) Lined (y/n): No	

Ref	Description	Image	
P23	The banks were dominated by mosses and short grasses interspersed with <i>Tussilago farfara</i>, hawksbit (<i>Leontodon</i> spp.), thistles (<i>Cirsium</i> spp.) and <i>Equisetum</i>. Numerous self-set <i>Salix</i> and <i>Buddleja</i> bushes were also present along the banks. Marginal vegetation was generally minimal, with the exception of dense <i>Typha</i> stands growing on a silt deposit at the western end. Sparse mats of <i>Potamogeton</i> were present on the surface over much of the area. eDNA result: Negative HSI Score: 0.60 (Average) Lined (y/n): No		
P24	Banks consist mainly of coal spoil and fine gravel, with some areas of larger rubble deposits, thinly covered by short grasses and <i>Tussilago</i>, with self-set <i>Salix</i> saplings dotted throughout. <i>Typha</i> covers nearly the entire margin, with some small patches of <i>Juncus</i> growing on transitional silt deposits. The eastern half of the pond is largely un-vegetated open water, with the northern half divided equally between exposed silt followed by dense <i>Typha</i>. eDNA result: Negative HSI Score: 0.66 (Average) Lined (y/n): No		

Ref	Description	Image
P25	A large pond with characteristics of a small lake, set within a moorland habitat of grasses (Yorkshire fog, <i>Halcus lanatus</i>; Purple moor-grass, <i>Molinia caerulea</i>; Cotton grass, <i>Eriophorum angustifolium</i>), rushes (mainly <i>Juncus effusus</i>) and sedges (mainly yellow sedge, <i>Carex demissa</i>). Banks were shallow and poorly defined, dominated by <i>Juncus</i> transitioning into a rocky bed. Submerged vegetation was primarily of <i>Elodia</i> spp. and floating vegetation was absent. eDNA result: Negative HSI Score: 0.47 (Poor) Lined (y/n): No	
P27	The banks were dominated by a sparse mixture of <i>Equisetum</i>, <i>Juncus</i>, Hawkbit (<i>Leontodon</i>), Bird's-foot trefoil (<i>Lotus corniculatus</i>) and white clover (<i>Trifolium repens</i>), interspersed with spear-thistle (<i>Cirsium vulgare</i>) and self-set <i>Salix</i> of varying sizes. A small strip of pond liner was exposed adjacent to the water's edge and marginal vegetation was largely absent. The more southerly of the two sub-divisions contained a thin mat of <i>Potamogeton</i> over approximately 20% of the area, whereas aquatic vegetation was absent from the more northerly sub-division. eDNA result: Positive HSI Score: 0.61 (Average) Lined (y/n): Yes	

Ref	Description	Image	
P28	The pond is formed in a narrow depression along the route of the old railway track. The western edge is largely un-vegetated and of bare ground and small pebbles. The northern, eastern and southern banks are covered mainly by <i>Juncus</i>, with bracken (<i>Pteridium</i>) and spear-thistle (<i>Cirsium vulgare</i>). The pond itself was free of aquatic vegetation. In addition to the pond, a narrow drainage channel, with some open water, dominated by <i>Typha</i>, <i>Juncus</i> and <i>Eriophorum</i> runs adjacent to the northern edge. eDNA result: Positive HSI Score: 0.68 (Average) Lined (y/n): Unknown		
P29	Within the central ecological zone, the northern and western edges of this large pond show no discernible bank, with dense <i>Juncus</i> transitioning into open water. This area is also interspersed with <i>Carex</i>, <i>Typha</i>, <i>Eriophorum</i> and large <i>Salix</i> bushes. The southern and eastern edges are defined by a grassy bank with <i>Pteridium</i>. Aquatic vegetation was limited to sparse areas of <i>Elodea</i> around the margins. eDNA result: Positive HSI Score: 0.77 (Good) Lined (y/n): No		

Ref	Description	Image
P30	A large pond within the central ecological zone, very similar in composition to Pond 29, with the exception of a significant amount of <i>Equisetum</i> interspersed with <i>Juncus</i> and ground flora of <i>Sphagnum</i>. The bank along the eastern and southern edges contains some bushes of gorse (<i>Ulex</i>) and hawthorn (<i>Crataegus monogyna</i>) in addition to the <i>Salix</i>. The eastern and western margins are dominated by dense stands of <i>Typha</i>. eDNA result: Positive HSI Score: 0.77 (Poor) Lined (y/n): No	
P30a	A smaller pond within the central ecological zone with poorly defined banks covered by <i>Carex</i>, <i>Juncus</i>, <i>Eriophorum</i> and <i>Equisetum</i>. <i>Typha</i> grows around the margins and is sparsely emergent throughout the rest of the surface area. eDNA result: Positive HSI Score: 0.62 (Average) Lined (y/n): No	