APPENDIX 2

Proposed Habitat Management Works

Site Feature	Year 1	Year 2	Year 3	Year 4	Year 5	Notes
Woodland Management 1 **Management Goals** To improve the sustainability of young woodland by creating conditions that improve diversity, increase habitat opportunities and support natural regeneration. Thinning is a key priority for early action.						
Thinning to leeward side and removal of dead, dying and dangerous trees.	Outwith March to July	Outwith March to July				Priority to areas where woodland planted has most dense spacings (i.e. 1 m centres).
Thinning to windward side of woodland.			Outwith March to July	Outwith March to July		Assess success of previous works and revise accordingly.
Restock with native whips and transplants to increase species diversity.					November to March	Identify areas in Year 4 and monitor for signs of natural regeneration. Opportunity for community involvements in planting.
Woodland Management 2 **Management Goals** To improve the sustainability and habitat value of young woodland by creating conditions that improve diversity and support natural regeneration. Thinning, together with a reduction in conifers is a key priority for early action.						
Thinning to leeward side, favouring native deciduous through increased percentage reduction of conifers. Removal of dead, dying and dangerous trees.	Outwith March to July	Outwith March to July				Priority to areas where woodland has most dense spacings (i.e. 1 m centres).
Thinning to windward side of woodland favouring native deciduous through increased percentage reduction of conifers. Removal of dead, dying and dangerous trees.			Outwith March to July	Outwith March to July		Assess success of previous works and revise accordingly.
Restock with native whips and transplants to increase species diversity.					November to March	Identify areas in Year 4 and monitor for signs of natural regeneration. Opportunity for community involvements in planting.
Woodland Management 3 **Management Goals** To fully remove stand of coniferous planting and restock to create native woodland that will improve diversity and support natural regeneration.						
Removal of conifers.			Outwith March to July			Undertake following thinning to Woodland Management 1 (leeward side).

Site Feature	Year 1	Year 2	Year 3	Year 4	Year 5	Notes
Assess site for restocking.				Outwith March to July		Assess suitability of site for potential restocking and identify any remedial works required.
Restock with native whips and transplants to increase species diversity.					November to March	Opportunity for community participation in planting.
Woodland Management 4 **Management Goals** To reduce the quantity and extent of conifers adjacent to modified peat bog. To thin deciduous trees and ensure trees and ground vegetation adjacent to ponds provide a supportive habitat for newts and other amphibians. Careful monitoring and a long-term phased programme will be key to achieving this goal.						
Removal of dead, dying and dangerous trees.	Outwith March to July					Assess risk of trees and habitat value prior to removal. Monitor for impact of windblow.
Assess suitability of habitat for newts and undertake management to trees accordingly.	Monitor June to July	Monitor June to July. Works outwith March to July	Monitor June to July. Works outwith March to July	Monitor June to July. Works outwith March to July	Monitor June to July. Works outwith March to July	Monitoring to be undertaken by Ecologist with potential for school / community participation / learning.
Selectively remove 10% of existing conifers and monitor impact on windblow. Amend management accordingly.	Outwith March to July	Outwith March to July	Outwith March to July	Outwith March to July	Outwith March to July	Regular monitoring to review action in terms of tree health and exposure to winds.
Partial restocking of conifer areas with whips and transplants.			November to March	November to March	November to March	Small scale planting works species predominantly Birch. Opportunity for community participation in planting.
Woodland Management 5 **Management Goals** To reduce the quantity and extent of conifers adjacent to the peat bog and to thin deciduous trees with partial restocking to support bog regeneration whilst also ensuring shelter and amenity to footpath / cycle path is retained. Careful monitoring and a long-term phased programme will be key to achieving this goal.						
Removal of dead, dying or dangerous trees.	Outwith March to July					Monitor for impact of windblow and changes in hydrology.
Selectively remove 10% of existing conifers and monitor impact on windblow. Amend management accordingly.	Outwith March to July	Outwith March to July	Outwith March to July	Outwith March to July	Outwith March to July	Regular monitoring to review action in terms of tree health and exposure to winds.
Partial restocking of conifer areas with whips and transplants.			November to March	November to March	November to March	Small scale planting works species predominantly Birch. Opportunity for community participation in planting.

Site Feature	Year 1	Year 2	Year 3	Year 4	Year 5	Notes
Woodland Management 6 **Management Goals** To improve the sustainability of young woodland by creating conditions that improve diversity, increase habitat opportunities and support natural regeneration. To improve amenity and habitat adjacent to boundary through edge planting. Thinning is a key priority for early action.						
Thinning to leeward side and removal of dead, dying and dangerous trees.	Outwith March to July					
Thinning to windward side of woodland.		Outwith March to July				Assess success of previous works and revise accordingly.
Edge planting of whips and transplants.			November to March			Planting hedgerow and edge species for habitat and visual improvement. Opportunity for community involvement in planting.
Raised Bog **Management Goals** To ensure the habitat value of the raised bog is retained through monitoring.						
Monitor water levels.	Monthly	Monthly	Monthly	Monthly	Monthly	Regular monitoring as 'health check'. Consider remedial action if necessary.
Bog Restoration 1 **Management Goals** To amend hydrology of modified bog to provide conditions suitable for peat bog restoration. This area is closest to the existing Raised Bog and can be viewed as a priority in terms of habitat creation within the site.						
Monitor water levels.	Monthly	Monthly	Monthly	Monthly	Monthly	Undertake an initial year of monitoring to gain a fuller understanding of hydrology of modified bog and then to assess impact of restoration intervention.
Block ditches to improve water flow.		May	May			Undertake initial work in Year 2. Monitor and adjust / extend in Year 3.
Bog Restoration 2 **Management Goals** To amend hydrology of modified bog to provide conditions suitable for peat bog restoration. It is considered that proposals for enabling this restoration should be developed following review of the success of Bog Restoration 1.						Opportunity for community / volunteer involvement.

Site Feature	Year 1	Year 2	Year 3	Year 4	Year 5	Notes
Monitor water levels.	Monthly	Monthly	Monthly	Monthly	Monthly	Undertake an initial year of monitoring to gain a fuller understanding of hydrology of modified bog. Assess impact of Bog Restoration 1 in Years 2 and 3 on site and then monitor impact of intervention relating to Bog Restoration 2.
Block ditches to improve water flow.				May	May	Undertake work following assessment of Bog Restoration 1. Opportunity for community / volunteer involvement.
Modified Bog **Management Goals** To retain as existing for the next five years of the Management Plan. It is recognised that there are differing manners through which this portion of the site could be managed in the long-term and may benefit from further review and consultation.						
No specific habitat management tasks but general monitoring to be able to react to any significant change or threats to the existing habitat.	March to September	March to September	March to September	March to September	March to September	
Open Space 1 **Management Goals** To control development of scrub and to introduce a more diverse herb layer to provide a rich habitat for butterflies and moths.						
Control scrub to prevent spread.	Outwith March to July	Outwith March to July	Outwith March to July	Outwith March to July	Outwith March to July	Potential for community involvement in controlling scrub.
Plug plant wildflower species to improve habitat.	April to June	April to June	April to June	April to June	April to June	Potential for small scale community / school involvement.
Open Space 2 **Management Goals** To cut back and fragment scrub within Seafield Law area. The purpose of this management is to improve habitat and reduce the potential for fires associated with burning Gorse and Broom. This fragmentation and scrub control could be considered a priority in terms of Open Space management.						
Cut back and fragment scrub layer.		Outwith March to July		Outwith March to July		
Plug plant wildflower species to fragmented areas.			April to June		April to June	Potential for small scale community / school involvement.
Open Space 3 **Management Goals** To retain as Open Grassland with scattered scrub.						
Monitor scrub and fragment if significant encroachment	February	February	February	February	February	Potential for small scale community / school involvement.

APPENDIX 3

Access and Enhancements Proposed Management Works

Site Feature	Year 1	Year 2	Year 3	Year 4	Year 5	Notes
Major Path Network **Management Goals** To retain corridor of footpath / cycle track; free of encroaching vegetation; in good condition; free of litter and fly-tipping.						
Cut back woody vegetation overhanging or encroaching upon path.	Once per Year. November to February	Once per Year. November to February	Once per Year. November to February	Once per Year. November to February	Once per Year. November to February	Woodland Management will reduce work required in meeting this task.
Strim average 1 m verge either side of path edge.	3 times per Year. May, July and October.	3 times per Year. May, July and October.	3 times per Year. May, July and October.	3 times per Year. May, July and October.	3 times per Year. May, July and October.	
Litter picking / tidying.	Fortnightly	Fortnightly	Fortnightly	Fortnightly	Fortnightly	Additional litter bins could reduce ongoing works associated with this task.
Upgrade Existing Routes **Management Goals** To create an accessible loop associated with entrance from Seafield Law; provide an improved means down from Seafield Law; to improve pedestrian circulation and opportunity within the site.						
Upgrade loop path from Seafield linking up to cycle track.			X			Works to be undertaken following woodland thinning works.
Provide access improvement including informal steps from Seafield Law.		X		X	X	Timing flexible with the potential to be undertaken in a small phased manner.
Maintain Existing Routes through Modified Bog **Management Goals** To encourage an appropriate link from Blackburn north east towards the cycle track and M8.						
Undertake minor improvements to existing tracks such as boardwalks over wet areas / ditch crossing.	X	X	X	X	X	Can be achieved incrementally.
Improve Edge Treatment Adjacent to Housing **Management Goals** To reduce fly-tipping; create a more impenetrable barrier adjacent to housing; improve the visual quality of site boundaries.						
Remove fly-tipping.	X	X	X	X	X	Monitor areas where fly-tipping occurs and consider reactive solutions to reduce it further.
Edge planting to strengthen boundaries.			November - March	November to March	November to March	Undertake following woodland management and thinning. Potential for community involvement in planting.

Site Feature	Year 1	Year 2	Year 3	Year 4	Year 5	Notes
Make Safe Culverts / Septic Tank **Management Goals** To make safe potential hazards identified within the Hydrological Survey.						
Repairs to culverts / drainage features.	X					Fix grills to culverts and fit cover to existing septic tank. Repairs to middle pond outlet.
Minor Improvement Projects **Management Goals**						
To undertake minor improvements to enhance the environmental quality of the Nature Reserve and tackle issues such as vehicular access and fly-tipping.	Elm Terrace, Blackburn to control vehicular access.	Old Rows, Seafield entrance.	Culvert Area	Dean Burn entrance at Seafield	Elm Terrace, Blackburn entrance	Entrances to restrict non-maintenance vehicular access and provide an enhanced setting for site.
Signage **Management Goals**						
To provide signage to improve orientation around site and understanding of site.				X		To be undertaken following implementation of majority of footpath improvements.
Seating / Bins **Management Goals**						
To provide additional seating and bins around main routes to assist accessibility and reduce fly-tipping / litter.	X	X	X	X	X	To be undertaken as funds identified.