

## Appendix 4.1 Atlantic Hazel Survey Sheets version1

Atlantic Hazel Survey Assynt Coigach; Roz Summers 2017. Ref:			
Site Name:		Grid Ref Start	Own/Ten:
Grid Refs Boundary Site			
Grid Refs Hazel Stands			
Description Site			
Grazing?			
Aspect	Geology	Elevation	
Type A:	? Grid Refs	<i>Area</i>	
closed			
canopy			
Type B:	? Grid Refs	<i>Area</i>	
scattered			
pasture			
Type C:	? Grid Refs	<i>No.</i>	
veteran			
hazels			
Type D:	? Grid Refs	<i>Area</i>	
woodland			
<b>Table HAT.2 ATLANTIC HAZEL CONDITION ASSESSMENT</b>			<b>YES Score 1 NO Score 0</b>
<b>Type A</b> (closed canopy, multi-stemmed stands pure hazel)			
Closed canopy mostly intact (apart from some occasional glades)			
Stools often fairly small, evenly-spaced, with usually slender to medium-sized stems (c. 3--25 cm girth)			
Ground flora not trampled, with few bare areas or just occasional tracks/paths			
Stems mottled with bryophytes and lichens Light, seasonal grazing, or grazing by a few deer, with evidence of some basal shoots being browsed  In 20 stools, there are at least 4 instances of a successful young shoot (whip) reaching (or nearly reaching) the canopy, i.e. one stool in 5 demonstrates viable stool dynamics within the stand, even with low grazing levels			
Any additional comments: Total score for type A			

<b>Table HAT 2. Atlantic Hazel Condition Assessment</b>		<b>YES Score 1. NO Score 0</b>	
<b>Type B</b> (Scattered stools in pasture, including occasional small hazel 'trees')			
Most scattered stools robust, with many stems of varying thicknesses, and canopy wide-spreading			
Ground flora not trampled, few bare areas or occasional tracks			
If stools are reduced to a few, thickened stems, are there signs of recovery, with viable, well-established regeneration present?			
Stems mottled with bryophytes and lichens Light seasonal grazing, or grazing by a few deer, with evidence of a few basal shoots being browsed			
Any additional comments: <b>Total score for type B</b>			
<b>Type C</b> (veteran stools, or veteran hazel 'trees')			
How many veteran hazels are present within the site? (score 1 point under the YES column for each veteran)			
Do the veteran hazel 'tree' appear viable, i.e. at least some viable canopy present above grazing height? (score 1 point for each veteran)			
Trunk(s) is/are stable, and not requiring pruning (score 1 point for each)			
If in imminent danger of collapse, is there potential for remedial pruning/ pollarding, in order to preserve the stool? (score 1 point for each veteran where this action would be applicable)			
Trunks with bryophytes and lichens present (score 1 for yes)			
Are the veterans within a pasture woodland habitat today? (score 1 for yes)			
Any additional comments: <b>Total score for Type C</b>			
<b>Type D</b> (Hazel in woodland, including ravines)			
Stools forming discrete mosaics amongst other tree species (e.g. at stream-sides)			
Glades present			
Individual stools not widely separated (isolated) from other stools, i.e. not more than 20m apart			
Stools not reduced to one or two stems only			
Stools not becoming tall and gangly, drawn up by being shaded from increased canopy development or infill from taller tree species (unless in ravines)			
Ground flora not trampled, with few bare areas, or just occasional tracks/paths			
Stems mottled with bryophytes and lichens			
Evidence of light seasonal grazing within the woodland, or grazing by a few deer, so that at least some basal shoots are noted as successfully getting away to maintain stool viability			
Any additional comments: <b>Total score for Type D</b>			

## Appendix 4.2 Atlantic Hazel Survey Sheets version2

Site name:	Grid Ref start:	date:	who:RS
Distance sea and direction			
Description incl boulders etc:			
Species and wildlife:			
Lichens/Bryo/Fungi			
Paths/tracks/browsing animals:			
Aspect:	Slope:	Geol:	Water:
Regen:			
Hazel description:			
Max size %age	Med size %age	Min size %age	
%new growth reaching canopy			
Within site- type:	Grid Ref:		
Description:			
Species and wildlife:			
Lichens/Bryo/Fungi			
Paths/tracks/browsing animals:			
Aspect:	Slope:	Water/features:	
Regen:			
Hazel description:			
Max size %age	Med size %age	Min size %age	
Av new growth reaching canopy			



## Appendix 4.4 Atlantic Hazel Survey Sheets version 4

### Hazel Site Survey Template

Site name:	Grid Ref start:	date:	who:
Distance sea and direction:			
Description including boulders etc.:			
Species and wildlife:			
Lichens/Bryo/Fungi			
Paths/tracks/browsing animals:			
Aspect:	Slope:	Geol:	Water:
Regen:			
Hazel description:			
Max size %age	Med size %age	Min size %age	
%new growth reaching canopy			
Within site- type:	Grid Ref:		
Description:			
Species and wildlife:			
Lichens/Bryo/Fungi			
Paths/tracks/browsing animals:			
Aspect:	Slope:	Water/features:	
Regen:			
Hazel description:			
Max size %age	Med size %age	Min size %age	
Av new growth reaching canopy			



