

91E0: Alluvial Woods

Site no: <i>St. John's Wood</i>	Recorders: <i>JK GS</i>	Slope: <i>0</i>
Grid ref: <i>N. 0320-53741 ± 4</i>	Mon. Stop: <i>1</i>	Aspect: <i>-</i>
Date: <i>23/7/19</i>	Photo (Initials):	Altitude: <i>45</i>

91E0 Positive indicator species: (✓ if present)

Target species:	Herbs & Ferns:
<i>Alnus glutinosa</i>	<i>Agrostis stolonifera</i> ✓
<i>Fraxinus excelsior</i> ✓	<i>Angelica sylvestris</i>
<i>Salix cinerea</i> ✓	<i>Carex remota</i> ✓
Other <i>Salix</i> sp. (specify):	<i>Filipendula ulmaria</i>
1.	<i>Galium palustre</i> ✓
2.	<i>Iris pseudacorus</i> ✓
3.	<i>Lycopus europaeus</i>
4.	<i>Mentha aquatica</i>
5.	<i>Phalaris arundinacea</i>
	<i>Ranunculus repens</i> ✓
	<i>Rumex sanguineus</i> ✓
	<i>Urtica dioica</i>
Other Woody:	Mosses & Liverworts:
<i>Betula pubescens</i> ✓	<i>Calliergonella cuspidata</i>
<i>Crataegus monogyna</i> ✓	<i>Climacium dendroides</i>
<i>Solanum dulcamara</i>	<i>Thamnobryum alopecurum</i> ✓
<i>Viburnum opulus</i> ✓	

* Scots pine counted as neutral rather than negative species

Negative indicator species: (✓ if present)*

Non-native trees:
<i>Acer pseudoplatanus</i>
<i>Fagus sylvatica</i>
<i>Picea sitchensis</i>
<i>Larix decidua</i>
Other (specify):
1.
2.
3.
Non-native shrubs:
<i>Cotoneaster</i> spp.
<i>Prunus laurocerasus</i>
<i>Rhododendron ponticum</i>
<i>Symphoricarpos albus</i>
<i>Cornus sericea</i>
Other (specify):
1.
2.

All cover values to nearest 5%, or nearest 1% if < 5%

Median canopy ht (m):	<i>7</i>
Total canopy cover (%):	<i>70</i>
Total cover of target species (%):	<i>50</i>
Total cover of negative species (%):	<i>0</i>
Total native shrub layer (2-4m) cover (%):	<i>20</i>
Total native dwarf shrub/field layer cover (%):	<i>40</i>
Median ht of dwarf shrub/field layer (cm):	<i>130</i>
Total bryophyte layer cover (%):	<i>15</i>

Non-native tree free regen. (dbh < 7cm)

Species	Ht < 2m	Ht > 2m
Total:		

Non-native shrub regen. present (Y/N): *✓*

Tally basal regeneration > 2m tall from collapsed Salix trunks only

< 7cm dbh	> 7cm dbh
Total: <i>0</i>	Total: <i>0</i>

Evidence of grazing pressure

Topiary effect (Y/N):	<i>2222</i>
Browse line (Y/N):	
Abundant dung (Y/N):	
Bark stripping (Y/N):	
Trampling (Y/N):	

Tally free target saplings > 2m tall within species

Species	Tally	Total:
<i>Fraxinus</i>	<i> </i>	<i>7</i>
<i>Salix cinerea</i>	<i> </i>	<i>3</i>
TOTAL:		<i>10</i>

Tally other native saplings > 2m tall within species

Species	Tally	Total:
<i>Rham cath</i>	<i> </i>	<i>4</i>
<i>Crat mono</i>	<i> </i>	<i>7</i>
<i>Prun spin</i>	<i> </i> <i> </i>	<i>13</i>
<i>Vibu opul</i>	<i> </i>	<i>1</i>
TOTAL:		<i>25</i>

Tally target species stem DBH data within size classes (For Salix, only count rooted trunks, not basal regen)

Species	7-19.5cm dbh (small)	20-29.5cm dbh (medium)	> 30 cm dbh (large)
<i>Fraxinus</i>	<i> </i>		
<i>Salix cinerea</i>	<i> </i>	<i> </i>	<i> </i>
TOTAL:	<i>6</i>	<i>1</i>	<i>1</i>

Dead wood (Tally items > 20cm only; species name not required)

Old / senescent	Standing dead	Fallen dead	Rotten stump
	<i> </i>		
Total:	<i>3</i>		

Assessment scores:

Rubus fruticosus cover 5%
Urtica dioica " 0%

Criterion	Target	Result	Pass/Fail
Individual plot level			
Positive species	6 species	13	P
	Target species (Y/N)	Y	P
Negative species cover	Total cover $\leq 10\%$	0	P
Negative species regen.	Absent	Abs.	P
Median canopy ht.	$\geq 7m$	7	P
Total canopy cover	$\geq 30\%$ of plot	70	P
Proportion of target species in canopy	$\geq 50\%$ of canopy	33 71	F P
Native shrub layer cover	10-50%	20	P
Native dwarf shrub/field layer cover	$\geq 20\%$	40	P
Native dwarf shrub/field layer height	≥ 20 cm	130	P
Bryophyte cover	$\geq 4\%$	15	P
Grazing pressure	No overgrazing	None	P
4-plot level			
Target sp. dbh	At least one of each of the three size classes present	Total stems: 7-19.5 cm: 113 20-29.5 cm: 12 ≥ 30 cm: 7	6+24+37+46 1+4+4+3 1+4+1+1 P
Target sp. free regeneration	≥ 1 sapling $>2m$ tall*	213	P
Other native tree species free regeneration	≥ 1 sapling $>2m$ tall in 2 or more plots*	4 plots	P
Old trees & dead wood	≥ 3 from any category with dbh ≥ 20 cm	Old/senesc.: 0 SDW**: 3 FDW**: 0 Stumps: 0	

* If no target or native saplings present, were light gaps present for regeneration to occur? (Y/N)



**SDW=Standing dead wood; FDW=Fallen dead wood

Additional notes:

signs of flooding present incl. mushroom stone.
 Floodline apparent from floodborne detritus.
 Cory avet + Rhyn catn are locally characteristic.
 Narrow nature of wet WD \Rightarrow plot incl. some adj. drier habitat. Equisetum fluviatile present. Canopy gap present at centre with dense field layer. Luxuriant growth of Thymus praecox in places.
 Plot centre is low bowl with ground rising in all sides.

Overall site pass.

91E0: Alluvial Woods

Site no: <i>ST John's Wood</i>	Recorders: <i>JR GS</i>	Slope: <i>0</i>
Grid ref: <i>N.00563.55916 ± 7</i>	Mon. Stop: <i>2</i>	Aspect: <i>-</i>
Date: <i>23/7/19</i>	Photo (Initials): <i>Stjn 2a+b</i>	Altitude: <i>45</i>

91E0 Positive indicator species: (✓ if present)

Target species:	Herbs & Ferns:
<i>Alnus glutinosa</i>	<i>Agrostis stolonifera</i> ✓
<i>Fraxinus excelsior</i> ✓	<i>Angelica sylvestris</i> ✓
<i>Salix cinerea</i> ✓	<i>Carex remota</i> ✓
Other <i>Salix</i> sp. (specify):	<i>Filipendula ulmaria</i> ✓
1.	<i>Galium palustre</i> ✓
2.	<i>Iris pseudacorus</i> ✓
3.	<i>Lycopus europaeus</i> ✓
4.	<i>Mentha aquatica</i> ✓
5.	<i>Phalaris arundinacea</i> ✓
	<i>Ranunculus repens</i> ✓
	<i>Rumex sanguineus</i> ✓
	<i>Urtica dioica</i> ✓
Other Woody:	Mosses & Liverworts:
<i>Betula pubescens</i> ✓	<i>Calliergonella cuspidata</i> ✓
<i>Crataegus monogyna</i> ✓	<i>Climacium dendroides</i> ✓
<i>Solanum dulcamara</i> ✓	<i>Thamnobryum alopecurum</i> ✓
<i>Viburnum opulus</i> ✓	

* Scots pine counted as neutral rather than negative species

Negative indicator species: (✓ if present)*

Non-native trees:
<i>Acer pseudoplatanus</i>
<i>Fagus sylvatica</i>
<i>Picea sitchensis</i>
<i>Larix decidua</i>
Other (specify):
1.
2.
3.
Non-native shrubs:
<i>Cotoneaster</i> spp.
<i>Prunus laurocerasus</i>
<i>Rhododendron ponticum</i>
<i>Symphoricarpos albus</i>
<i>Cornus sericea</i>
Other (specify):
1.
2.

All cover values to nearest 5%, or nearest 1% if < 5%

Median canopy ht (m):	<i>10</i>
Total canopy cover (%):	<i>80</i>
Total cover of target species (%):	<i>60</i>
Total cover of negative species (%):	<i>0</i>
Total native shrub layer (2-4m) cover (%):	<i>20</i>
Total native dwarf shrub/field layer cover (%):	<i>85</i>
Median ht of dwarf shrub/field layer (cm):	<i>70</i>
Total bryophyte layer cover (%):	<i>10</i>

Non-native tree free regen. (dbh < 7cm)

Species	Ht < 2m	Ht > 2m
Total:		

Non-native shrub regen. present (Y/N): ☐

Tally basal regeneration > 2m tall from collapsed Salix trunks only

< 7cm dbh	> 7cm dbh
Total: <i>0</i>	Total: <i>0</i>

Evidence of grazing pressure

Topiary effect (Y/N):	<i>N</i>
Browse line (Y/N):	<i>N</i>
Abundant dung (Y/N):	<i>N</i>
Bark stripping (Y/N):	<i>N</i>
Trampling (Y/N):	<i>N</i>

Tally free target saplings > 2m tall within species

Species	Tally	Total:
<i>Frax excels</i>	<i> </i>	<i>25</i>
<i>Salix cine</i>	<i> </i>	<i>2</i>
<i>Crat mono</i>	<i>1</i>	
<i>Cory av</i>		
TOTAL:		<i>27</i>

Tally other native saplings > 2m tall within species

Species	Tally	Total:
<i>Crat mono</i>	<i> </i>	<i>7</i>
<i>Cory av</i>	<i> </i>	<i>5</i>
<i>Prun spin</i>	<i> </i>	<i>1</i>
<i>Euon euro</i>	<i> </i>	<i>2</i>
<i>Rham</i>	<i> </i>	<i>30</i>
TOTAL: <i>Viburnum</i>	<i> </i>	<i>2</i>

Tally target species stem DBH data within size classes (For Salix, only count rooted trunks, not basal regen)

Species	7-19.5cm dbh (small)	20-29.5cm dbh (medium)	> 30 cm dbh (large)
<i>Frax excels</i>	<i> </i>		
<i>Salix cine</i>	<i> </i>		
TOTAL:	<i>24</i>	<i>4</i>	<i>4</i>

Dead wood (Tally items > 20cm only; species name not required)

Old / senescent	Standing dead	Fallen dead	Rotten stump
Total: <i>0</i>	Total: <i>0</i>	Total: <i>0</i>	Total: <i>6</i>

Assessment scores:

Rubus fruticosus cover *10*
Urtica dioica < *10*

Criterion	Target	Result	Pass/Fail				
Individual plot level							
Positive species	6 species	18	P				
	Target species (Y/N)	Y	P				
Negative species cover	Total cover \leq 10%	0	P				
Negative species regen.	Absent	Abs	P				
Median canopy ht.	\geq 7m	10	P				
Total canopy cover	\geq 30% of plot	80	P				
Proportion of target species in canopy	\geq 50% of canopy	75	P				
Native shrub layer cover	10-50%	20	P				
Native dwarf shrub/field layer cover	\geq 20%	85	P				
Native dwarf shrub/field layer height	\geq 20 cm	70	P				
Bryophyte cover	\geq 4%	10	P				
Grazing pressure	No overgrazing	none	P				
4-plot level							
Target sp. dbh	At least one of each of the three size classes present	Total stems: 7-19.5 cm: <table border="1"><tr><td></td></tr></table> 20-29.5 cm: <table border="1"><tr><td></td></tr></table> \geq 30cm: <table border="1"><tr><td></td></tr></table>					
Target sp. free regeneration	\geq 1 sapling $>$ 2m tall*						
Other native tree species free regeneration	\geq 1 sapling $>$ 2m tall in 2 or more plots*						
Old trees & dead wood	\geq 3 from any category with dbh \geq 20cm	Old/senesc.: <table border="1"><tr><td></td></tr></table> SDW**: <table border="1"><tr><td></td></tr></table> FDW**: <table border="1"><tr><td></td></tr></table> Stumps: <table border="1"><tr><td></td></tr></table>					

(P)

* If no target or native saplings present, were light gaps present for regeneration to occur? (Y/N)

Y

**SDW=Standing dead wood; FDW=Fallen dead wood

Additional notes:

Acer pseu present in canopy + regenerating c. 10m inland from plot, in transitional 9180 habitat. Shotgun cartridges present. Signs of floodborne debris present. Rham cath + Cory avet are locally characteristic. Luxuriant growth of Thamnobryum alopecurum on rocks. Lathyrus palustris present. Two gaps present on S boundary of plot. Due to small habitat area, drier transitional habitat incl. in plot.

— check status

91E0: Alluvial Woods

Site no: <i>4 John Wood</i>	Recorders: <i>JK GS</i>	Slope: <i>1</i>
Grid ref: <i>M 98671 57095 ± 6</i>	Mon. Stop: <i>3</i>	Aspect: <i>W</i>
Date: <i>24/7/19</i>	Photo (Initials): <i>JDN3 A-B</i>	Altitude: <i>475m</i>

91E0 Positive indicator species: (✓ if present)

Target species:	Herbs & Ferns:
<i>Alnus glutinosa</i> ✓	<i>Agrostis stolonifera</i> ✓
<i>Fraxinus excelsior</i> ✓	<i>Angelica sylvestris</i>
<i>Salix cinerea</i> ✓	<i>Carex remota</i>
Other <i>Salix</i> sp. (specify):	<i>Filipendula ulmaria</i> ✓
1.	<i>Galium palustre</i> ✓
2.	<i>Iris pseudacorus</i> ✓
3.	<i>Lycopus europaeus</i> ✓
4.	<i>Mentha aquatica</i> ✓
5.	<i>Phalaris arundinacea</i> ✓
	<i>Ranunculus repens</i> ✓
	<i>Rumex sanguineus</i> ✓
	<i>Urtica dioica</i>
Other Woody:	Mosses & Liverworts:
<i>Betula pubescens</i>	<i>Calliergonella cuspidata</i> ✓
<i>Crataegus monogyna</i> ✓	<i>Climacium dendroides</i>
<i>Solanum dulcamara</i>	<i>Thamnobryum alopecurum</i> ✓
<i>Viburnum opulus</i> ✓	

* Scots pine counted as neutral rather than negative species

Negative indicator species: (✓ if present)*

Non-native trees:
<i>Acer pseudoplatanus</i>
<i>Fagus sylvatica</i>
<i>Picea sitchensis</i>
<i>Larix decidua</i>
Other (specify)
1.
2.
3.
Non-native shrubs:
<i>Cotoneaster</i> spp.
<i>Prunus laurocerasus</i>
<i>Rhododendron ponticum</i>
<i>Symphoricarpos albus</i>
<i>Cornus sericea</i>
Other (specify):
1.
2.

All cover values to nearest 5%, or nearest 1% if < 5%

Median canopy ht (m):	<i>13</i>
Total canopy cover (%):	<i>35</i>
Total cover of target species (%):	<i>75</i>
Total cover of negative species (%):	<i>0</i>
Total native shrub layer (2-4m) cover (%):	<i>55</i>
Total native dwarf shrub/field layer cover (%):	<i>80</i>
Median ht of dwarf shrub/field layer (cm):	<i>30</i>
Total bryophyte layer cover (%):	<i>2</i>

Non-native tree free regen. (dbh < 7cm)

Species	Ht < 2m	Ht > 2m
Total:		

Non-native shrub regen. present (Y/N): ☐

Tally basal regeneration > 2m tall from collapsed Salix trunks only

< 7cm dbh	> 7cm dbh
Total:	Total:

Evidence of grazing pressure

Topiary effect (Y/N):	<i>N</i>
Browse line (Y/N):	<i>N</i>
Abundant dung (Y/N):	<i>N</i>
Bark stripping (Y/N):	<i>N</i>
Trampling (Y/N):	<i>N</i>

Tally free target saplings > 2m tall within species

Species	Tally	Total:
<i>Frax exc</i>	<i>32</i>	<i>32</i>
<i>Salix cin</i>	<i>10</i>	<i>10</i>
<i>Alnus glut</i>	<i>4</i>	<i>4</i>
TOTAL:		<i>46</i>

Tally other native saplings > 2m tall within species

Species	Tally	Total:
<i>Viburnum</i>	<i>67</i>	<i>67</i>
<i>Viburnum</i>	<i>5</i>	<i>5</i>
<i>Rhus cath</i>	<i>4</i>	<i>4</i>
<i>Cotoneaster</i>	<i>1</i>	<i>1</i>
TOTAL:		<i>77</i>

Tally target species stem DBH data within size classes (For Salix, only count rooted trunks, not basal regen)

Species	7-19.5cm dbh (small)	20-29.5cm dbh (medium)	> 30 cm dbh (large)
<i>Frax exc</i>	<i>6</i>		
<i>Salix cin</i>	<i>25</i>		
<i>Alnus glut</i>	<i>3</i>		
TOTAL:	<i>34</i>	<i>4</i>	<i>1</i>

Dead wood (Tally items > 20cm only; species name not required)

Old / senescent	Standing dead	Fallen dead	Rotten stump
Total:	Total:	Total:	Total:

Assessment scores:

Rubus fruticosus cover: *5%*
Urtica dioica " : *0*

Criterion	Target	Result	Pass/Fail				
Individual plot level							
Positive species	6 species	16	P				
	Target species (Y/N)	Y	P				
Negative species cover	Total cover $\leq 10\%$	0	P				
Negative species regen.	Absent	Abs	P				
Median canopy ht.	$\geq 7m$	13	P				
Total canopy cover	$\geq 30\%$ of plot	75	P				
Proportion of target species in canopy	$\geq 50\%$ of canopy	100	P				
Native shrub layer cover	10-50% 10-75%	55	P				
Native dwarf shrub/field layer cover	$\geq 20\%$	80	P				
Native dwarf shrub/field layer height	≥ 20 cm	70	P				
Bryophyte cover	$\geq 4\%$	2	F				
Grazing pressure	No overgrazing	none	P				
4-plot level							
Target sp. dbh	At least one of each of the three size classes present	Total stems: 7-19.5 cm: <table><tr><td></td></tr></table> 20-29.5 cm: <table><tr><td></td></tr></table> ≥ 30 cm: <table><tr><td></td></tr></table>					
Target sp. free regeneration	≥ 1 sapling $>2m$ tall*						
Other native tree species free regeneration	≥ 1 sapling $>2m$ tall in 2 or more plots*						
Old trees & dead wood	≥ 3 from any category with dbh ≥ 20 cm	Old/senesc.: <table><tr><td></td></tr></table> SDW**: <table><tr><td></td></tr></table> FDW**: <table><tr><td></td></tr></table> Stumps: <table><tr><td></td></tr></table>					

* If no target or native saplings present, were light gaps present for regeneration to occur? (Y/N)

Y

**SDW=Standing dead wood; FDW=Fallen dead wood

Additional notes:

Due to narrow small extent of 91EO habitat, plot incl. edge + marginal 91EO habitat. Floodborne debris present throughout w. dense patches of washed-up reeds. *Prunus spinosa* locally characteristic abundant + characteristic of the lake.

Sorbus ^{hilem.} ~~hilem.~~ $< 2m$ present

Lake side of plot herb rich. Backed by band of *Prunus* scrub. E. lateral end with abundant reeds.

Prunus scrub a feature of this part of the lough shore. Probably due to succession after tree mortality (flooding?) + locally grazing cessation. Ego partly due to fl abundance, scrub density + debris thickness in diff. parts of plot.

Good conserv. cond'n overall - no need for management apart from time.

Recorders: JR GS

91E0 Positive indicator species: (✓ if present)

*Negative indicator species: (✓ if present)**

* Scots pine counted as neutral rather than negative species

Non-native tree free regen. (dbh <7cm)

Non-native shrub regen. present (Y/N):		
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Evidence of grazing pressure

Tally free target saplings >2m tall within species

Tally other native saplings >2m tall within species

Tally target species stem DBH data within size classes (For Salix, only count rooted trunks, not basal regen)

Dead wood (Tally items > 20cm only; species name not required)

Assessment scores:

63

Criterion	Target	Result	Pass/Fail
Individual plot level			
Positive species	6 species	16	P
	Target species (Y/N)	✓	P
Negative species cover	Total cover ≤ 10%	6	P
Negative species regen.	Absent	Abs	P
Median canopy ht.	≥7m	10	P
Total canopy cover	≥30% of plot	80	P
Proportion of target species in canopy	≥50% of canopy	100	P
Native shrub layer cover	10-50%	3	F
Native dwarf shrub/field layer cover	≥20%	80	P
Native dwarf shrub/field layer height	≥20 cm	100	P
Bryophyte cover	≥4%	20	P
Grazing pressure	No overgrazing	none	P
4-plot level			
Target sp. dbh	At least one of each of the three size classes present	<div>Total stems:<div>7-19.5 cm:<div></div></div><div>20-29.5 cm:<div></div></div><div>≥30cm:<div></div></div></div>	
Target sp. free regeneration	≥1 sapling >2m tall*		
Other native tree species free regeneration	≥1 sapling >2m tall in 2 or more plots*		
Old trees & dead wood	≥3 from any category with dbh≥20cm	<div>Old/senesc.:<div>SDW**:<div></div></div><div>FDW**:<div></div></div><div>Stumps:<div></div></div></div>	

* If no target or native saplings present, were light gaps present for regeneration to occur? (Y/N)

P

**SDW=Standing dead wood; FDW=Fallen dead wood

Additional notes:

Rather uniform, even-aged Frax exc. poles dominate the inland side. Gap present where Sali cane has fallen. V.lrg. multi-stemmed Sali cane present - buds late side of plot.
Rham with < 2m tall present (occasional)