

Argyll and Bute Council
Comhairle Earra Ghaidheal agus Bhoid

Customer Services
Executive Director: Douglas Hendry



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2 October 2012

NOTICE OF MEETING

A meeting of the **HELENSBURGH & LOMOND AREA COMMITTEE** will be held in the **PILLAR HALL, VICTORIA HALLS, HELENSBURGH** on **TUESDAY, 9 OCTOBER 2012** at **9:30 AM**, which you are requested to attend.

Douglas Hendry
Executive Director - Customer Services

BUSINESS

- 1. APOLOGIES**
- 2. DECLARATIONS OF INTEREST**
- 3. MINUTE OF MEETING 14 AUGUST 2012** (Pages 1 - 12)
- 4. PUBLIC QUESTION TIME**
- 5. CUSTOMER SERVICES**
 - (a) Area Committee Programme of Meetings - Area Governance Manager (Pages 13 - 14)
- 6. COMMUNITY SERVICES**
 - (a) School Holidays - Carol Evans (Pages 15 - 18)
- 7. DUCHESS WOODS LOCAL NATURE RESERVE MANAGEMENT PLAN - CHARLIE CAIRNS** (Pages 19 - 76)

8. DEVELOPMENT AND INFRASTRUCTURE

- (a) Helensburgh Pier and Pier Car Park - Proposed Events - Campbell Divertie (Pages 77 - 78)
- (b) Archway Roadmaster Programme to 31 March 2013 - Callum Robertson (Pages 79 - 82)
- (c) Winter Service Policy 2012 -2013 - Callum Robertson (Pages 83 - 84)

The Committee will be asked to pass a resolution in terms of Section 50(a)94) of the Local Government (Scotland) Act 1973 to exclude the public for the following item of business with an "E" on the grounds that it is likely to involve the disclosure of exempt information as defined in the appropriate paragraphs of Part 1 of Schedule 7a to the Local Government (Scotland) Act 1973.

The appropriate paragraphs are:-

Paragraph 8 The amount of any expenditure proposed to be incurred by the authority under any particular contract for the acquisition of property or the supply of goods or services.

Paragraph 9 Any terms proposed or to be proposed by or to the authority in the course of negotiations for a contract for the acquisition or disposal of property or the supply of goods or services.

- E1** (d) Helensburgh - Dumbarton Cycleway PH1 - Works programme 2012-13 - Update - Callum Robertson (Pages 85 - 88)

HELENSBURGH & LOMOND AREA COMMITTEE

Councillor Maurice Corry	Councillor Vivien Dance
Councillor George Freeman	Councillor David Kinniburgh
Councillor Robert Graham MacIntyre	Councillor Aileen Morton
Councillor Ellen Morton	Councillor Gary Mulvaney
Councillor James Robb (Chair)	Councillor Richard Trail (Vice-Chair)

Contact: Belinda Ruthven, Area Governance Assistant Tel: 01436 658825

**MINUTES of MEETING of HELENSBURGH & LOMOND AREA COMMITTEE held in the
CEREMONIES ROOM, HELENSBURGH
on TUESDAY, 14 AUGUST 2012**

Present:

Councillor James Robb (Chair)
Councillor Maurice Corry Councillor Aileen Morton
Councillor Vivien Dance Councillor Ellen Morton
Councillor George Freeman Councillor Robert G MacIntyre
Councillor David Kinniburgh Councillor Richard Trail (Vice Chair)

Also Present:

Charles Reppke – Head of Governance and Law
Belinda Ruthven – Area Governance Assistant
Helen Ford – CHORD Project Manager
Morevain Martin – Community Development Manager
Callum Robertson – Roads Assets Manager
Tom Murphy – Streetscene Manager
Arlene Cullum – Social Enterprise Team Leader
Iain Welsh – Project Manager
Fergus Murray – Development Policy Manager

The Chairman ruled and the Committee agreed, in terms of Standing Order 3.2.2 that a motion submitted by Councillor George Freeman regarding the recent success of two local athletes at the Olympic and forthcoming Paralympic Games, dealt with at item 12 of this minute, be taken as a matter of urgency

The Chairman ruled and the Committee agreed in terms of Standing Order 8.1.4 to take item 9 on the Agenda, immediately after the Public Question Time in order to allow those members of the public present for this item to leave following its consideration. He also updated the meeting on officer advice received that morning of the competence of the proposition.

1. APOLOGIES

Apologies were intimated from Councillor Gary Mulvaney

2. DECLARATIONS OF INTEREST

Councillor Vivien Dance declared a non-financial interest in relation to item 7 (a) Request for Financial Assistance, Helensburgh-Thouars Twinning Committee, of this minute on the basis that she is a member of the Twinning Committee. She left the room during discussion of this item and took no part in the decision making process.

Councillor James Robb declared a non-financial interest in relation to items 8 (a) 3.1 and 3.4 - Application for Third Sector Grants, of this minute on the basis that a family member is a member of the Ardencaple Boys Club and on the basis that he provides advice and professional services on a non remunerated basis to the Helensburgh Play Park Association. He took no part in the decision making process of both items.

3. MINUTE OF MEETING 17 APRIL 2012

The Minute of Meeting 17 April was approved as a correct record.

4. MINUTE OF MEETING 12 JUNE 2012

The Minute of Meeting 12 June was approved as a correct record subject to the following amendments:-

Typo on Page 13 – Item 6a, para 2, line 2 to read “ Helensburgh and Lomond Planning area.

Page 15 - Item 7c, para 2 to read “Members were updated in a report by the Senior Estates Manager, which included the advice that the Executive Director of Development and Infrastructure did not support the proposal”

5. PUBLIC QUESTION TIME

Alastair MacBeth – Helensburgh Study Group

Mr MacBeth referred to the April Minute of the Helensburgh and Lomond Area Committee in relation to the Helensburgh Study Group’s findings on funding allocations throughout Argyll and Bute. Mr MacBeth stated that whilst he agreed with what was contained in the minute he was concerned that some matters still remained unaddressed and requested that some of the members may be in a position to take these points forward.

Councillor Robb advised that Mr MacBeth could contact his local councillors at any time and that he was happy to meet with Mr MacBeth following the meeting to discuss this further.

Donna Fletcher

Ms Fletcher, whose child attends the Margaret Rose School of Dance, referred to the issue of entry qualifications for dancers to certain sections of the Cowal Highland Gathering and asked that members support the girls on their current campaign.

Margaret MacInnes – Margaret Rose School of Dance

Mrs MacInnes indicated her wish to have a meeting with her local councillors to discuss recent press reports in the Cowal Courier which she felt had been misleading and highlighted that the children were the priority and that these comments were unhelpful in resolving the matter. Mrs MacInnes’ offer of assistance to the Chair to explain the complicated procedures relating to Highland Dancing at the games was welcomed.

Mrs MacInnes went on to say that no child in Argyll and Bute should be precluded from competing in these games.

The Chair assured Mrs MacInnes that the matter would be taken forward by

members and that the issue would be further discussed at a meeting following the Area Committee and that she would be updated on the progress of the matter.

Anthony Davey – Cardross Community Council

Mr Davey asked whether there was any reason that minutes of council meetings were not voice recorded.

Charles Reppke, Head of Governance and Law addressed this by advising that it was not current council policy but that a paper was due to come out shortly in regard to central committee meetings but that there were no plans for this to happen at area level at this time.

Mr Davey then referred to the recent road works on the Cardross Road and thanked Mr O'Hare and his team for the timeous completion of the first phase. However, he raised his concerns over some of the refurbishment works.

The Chair assured Mr Davey that these issues would be discussed at item 8a) of the agenda

6. NOTICE OF MOTION UNDER STANDING ORDER 13

Councillor Vivien Dance, Seconded by Councillor Maurice Corry had given notice of the following motion :-

That the Helensburgh and Lomond Area Committee:

- a) Recognises and values the dedication and commitment of the volunteers and management who stage the Cowal Highland Gathering which contributes to the economic viability and sustainability of the local community and is a significant and prestigious cultural event for the whole of the Argyll and Bute area.
- b) Is committed to promoting equality and ensuring that all youngsters who reside in Argyll and Bute have equity of opportunity to achieve their aspirations, ambitions and potential.
- c) Agrees to recommend to the council that the management of the Cowal Highland Gathering be advised that the current discriminatory practice in the Highland Dancing competitions whereby Helensburgh and Lomond dancers are excluded from the Argyllshire Championships, ceases from 2013 onwards as a condition of the continuation of all funding, both "in kind" and through the SLA, provided by Argyll and Bute Council.
- d) Agrees to recommend to the council that the management of the Cowal Highland Gathering be advised that the definition of Argyll and Bute in all of the competitions at the event from 2013 onwards, reflects the current boundary of the local authority as a condition of the continuation of council funding.

During discussion of this matter, the mover of the motion with the agreement of her seconder and the committee, adjusted the motion to provide for the matter to

be recommended for consideration at the September Council meeting in the following terms:-

Motion

That the Helensburgh and Lomond Area Committee:

- a) Recognises and values the dedication and commitment of the volunteers and management who stage the Cowal Highland Gathering which contributes to the economic viability and sustainability of the local community and is a significant and prestigious cultural event for the whole of the Argyll and Bute area.
- b) Is committed to promoting equality and ensuring that all youngsters who reside in Argyll and Bute have equity of opportunity to achieve their aspirations, ambitions and potential.
- c) Agrees to recommend to the council that the management of the Cowal Highland Gathering be advised that the current discriminatory practice in the Highland Dancing competitions whereby Helensburgh and Lomond dancers are excluded from the Argyllshire Championships, ceases from 2013 onwards as a condition of the continuation of all funding, both "in kind" and through the SLA, provided by Argyll and Bute Council.
- d) Agrees to recommend to the council that the management of the Cowal Highland Gathering be advised that the definition of Argyll and Bute in all of the competitions at the event from 2013 onwards, reflects the current boundary of the local authority as a condition of the continuation of council funding.
- e) Agrees that this motion be considered by the council at its September meeting in order to give the Council Leader and representatives of Cowal Highland Gathering the opportunity to find resolution to this impasse.

Amendment

That consideration of the motion be continued to a Special meeting of the Helensburgh and Lomond Area Committee on 11 September 2012.

Proposed by: Councillor James Robb

Seconded by: Councillor Richard Trail

On a show of hands there were 4 votes for the amendment and 5 votes for the motion.

Decision

The adjusted motion was carried and the committee resolved accordingly.

7. CUSTOMER SERVICES

Having earlier declared an interest in the following item, Councillor Vivien Dance left the room at this point.

(a) **REQUEST FOR FINANCIAL ASSISTANCE, HELENSBURGH - THOUARS TWINNING COMMITTEE**

Members were asked to note a report by the Area Governance Manager following a request which had been received from the Helensburgh Twinning Committee, for financial assistance from the Helensburgh and Lomond Area Committee Twinning Budget 2012/13 towards the costs of promoting the Helensburgh- Thouars Twinning Association.

Decision

Agreed to note the request and to grant the sum of £833 from the Twinning Budget for 2012/13 towards the costs of this initiative.

(Ref: Report by Area Governance Manager, dated 14 August 2012, submitted)

Councillor Dance rejoined the meeting.

(b) **HELENSBURGH PUBLIC REALM IMPROVEMENT (CHORD)**

Members were updated by the CHORD Project Manager on the current progress of the Helensburgh Public Realm Improvement (CHORD) works.

Decision

1. Agreed to note the verbal update by the CHORD Project Manager
2. Agreed to congratulate the CHORD Project Manager and Design Team on their work in advancing the project to this stage in the short timescale.
3. Agreed to thank members who gave up their time during the recess to attend meetings.

(c) **BLACKHILL DEPOT**

Members were briefed by the CHORD Project Manager on a report which provided an update on progress with the consolidation of depot services at Blackhill Depot following the submission of an information paper to the Committee on the 17th April 2012.

Decision

To note that the Full Business Case will be presented to the September meeting of the Council.

(Ref. Report by Head of Roads and Amenity Services, dated 14 August 2012, submitted)

(d) **APPOINTMENT TO OUTSIDE ORGANISATIONS WITHIN THE HELENSBURGH AND LOMOND AREA**

Members were asked to consider a report by the Area Governance Manager following an approach from the Helensburgh and District Access Trust requesting that they consider the appointment of an Elected Member to the Group.

Decision

Agreed to appoint Councillor Aileen Morton to the Helensburgh & District Access Trust.

(Ref: Report by Area Governance Manager, dated 6 August 2012, submitted)

8. COMMUNITY SERVICES

(a) **APPLICATIONS FOR FINANCIAL ASSISTANCE 2012/13 THIRD SECTOR GRANTS**

Seven Third-Sector Grant Applications were presented for consideration

Councillor James Robb, having earlier declared an interest, took no part in the discussion of items 3.1 and 3.4,

Motion

1. Noted the remaining Helensburgh and Lomond Third Sector Grant budget of £7560 for the financial year 2012/ 2013.
2. Agreed to the proposed recommendations at 3.1, 3.3 and 3.4 as follows :-

	<u>Organisation</u>	<u>Amount Requested</u>	<u>Recommendation</u>
3.1	Ardencaple Boys Club	£660	£660
3.3	Cove and Kilcreggan Youth Cafe	£520	£520

3.4	Helensburgh Play Park Association	£1,570	£1,570
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3. To vary the remaining recommendations as follows

	<u>Organisation</u>	<u>Amount Requested</u>	<u>Recommendation</u>
3.2	Friends of Duchess Wood	£400	£400
3.5	Garelochhead and Portincaple Community Trust	£4,000	£500
3.6	Riding for the Disabled Association - Gareloch Group	£5,580	£3458
3.7	Royal British Legion Scotland - Helensburgh and District	£452	£452

Proposed by: Councillor Vivien Dance

Seconded by: Councillor Ellen Morton

Amendment

To vary the remaining recommendations as follows :-

	<u>Organisation</u>	<u>Amount Requested</u>	<u>Recommendation</u>
3.2	Friends of Duchess Wood	£400	£135
3.5	Garelochhead and Portincaple Community Trust	£4,000	£2773
3.6	Riding for the Disabled Association - Gareloch Group	£5,580	£1450
3.7	Royal British Legion Scotland - Helensburgh and District	£452	£452

Proposed by: Councillor George Freeman

Seconded by: Councillor Robert G MacIntyre

On a show of hands there were 2 votes for the amendment and 7 votes for the motion.

Decision

The motion was therefore carried and the committee resolved accordingly

9. DEVELOPMENT AND INFRASTRUCTURE

(a) CARDROSS VILLAGE A814 RECONSTRUCTION

Members were updated in a presentation by the Roads Assets Manager on the progress of the A814 reconstruction works between Helensburgh and Dumbarton, and also on the proposed works to A814 in Cardross Village.

Decision

- a) The Helensburgh & Lomond Area Committee shares the concerns expressed by Councillor Donald Kelly, the Lead Councillor for Roads that it is “totally unacceptable” for changes to be made to the Roads Capital Programme without any consultation with local Members
- b) The Area Committee expresses its satisfaction with the work on the A814 where improvements have been completed, but is unhappy with the situation at Keppoch and the Helensburgh side of Ardardan as the road at these points is unsightly and uneven, and reflects badly on the remainder of the programme as so far delivered
- c) It is understood that officers are currently assessing the cost of carrying out the desired improvements to these areas and the Area Committee instructs them to come back to the Area Committee at the September Business Day with proposals to complete these stretches.
- d) The Area Committee also requests that at the same time a realistic and current appraisal is given on the possibility of realigning the road at Keppoch to remove the bend there, something which is constantly talked about but never appears to progress
- e) The Report to the September Business Day should detail the changes made to the original Capital Programme and also give details of the comparative spend across the 4 Council Areas so far this year.

(b) JAPANESE KNOTWEED CONTROL, HELENSBURGH AND LOMOND

Members were briefed by the Amenity Asset Manager, on the current position relating to Japanese Knotweed (JK) control measures following instigation of a programmed control regime in 2010.

Decision

- 1. Agreed to note the contents of the report on the actions that have been taken over the first two years of the three year trial period to try

and control JK at four selected sites within the Helensburgh and Lomond area.

2. Agreed to note the concerns that continue to be raised by residents across the Helensburgh and Lomond area relating to the presence of Japanese Knotweed.
3. Agreed to note that the Council has no formal policy in place for dealing with JK and normally deals with complaints relating to JK on an individual and ad hoc basis.
4. Agreed to request that the Council agrees a policy relating to JK at an early date so that a consistent approach can be taken to the control of JK across Argyll and Bute.
5. Agreed to request an update report to come to the December 2012 Area Committee.

10. NOTICE OF MOTION UNDER STANDING ORDER 13

Councillor Ellen Morton, Seconded by Councillor Vivien Dance had given notice of the following motion :-

That the Helensburgh and Lomond Area Committee

- a) supports the position taken by Argyll and Bute Council in June 2005 when it passed the undernoted motion :-

Decision

The Council resolved:-

1. *to re-affirm its previous resolution to support the aims and objectives of the Fair-trade Foundation*
2. *that Fair-trade tea and coffee be served as normal practice at meeting, and in its offices and canteens throughout the Council area*
3. *to welcome the designation of Oban and Dunoon as Fair-trade towns when they fulfil the requirements laid down by the Fair-trade Foundation*
4. *to welcome for future recognition of other towns or areas in Argyll and Bute which seek Fair-trade status and:*
5. *that the Director of Operational Services nominate a suitable officer to work with local Fair-trade steering groups*
(Ref: letter from Dunoon Fair-trade Scheme Group, dated 23 May 2005)

And

- b) supports the current effort to acquire Fair-trade status for Helensburgh and endorses the forthcoming application for Helensburgh to be granted Fair-trade status to join Oban and Dunoon as Fair-trade Towns as a necessary step towards the Fair-trade status for the whole Council area.

Decision

The Motion was unanimously approved.

11. URGENT MOTION SUBMITTED UNDER STANDING ORDER 14

In terms of Standing Order 14 the following Notice of Motion had been received for consideration at this meeting:-

2012 LONDON OLYMPIC GAMES AND 2012 LONDON PARALYMPIC GAMES

Argyll & Bute Council notes with delight the major success of Luke Patience from Rhu and his team-mate Stuart Bithell in securing a silver medal in the Men's 470 Class Sailing Event at the 2012 London Olympic Games.

On behalf of the residents of Argyll & Bute, the Council agrees to pass on their congratulations to Luke for this significant achievement and wish him further success in future for sailing events that he may participate in.

Given that Argyll & Bute has some of the best sailing waters in Great Britain, the Council hopes that the success of Luke will inspire and encourage many young people across Argyll & Bute, to consider taking up sailing with one of the many superb sailing clubs in the area.

Argyll & Bute Council also recognises the tremendous achievement of Helensburgh wheelchair tennis player Gordon Reid in being selected for the Paralympic Games and wishes him every success.

Moved by Councillor George Freeman
Seconded by Councillor Robert G MacIntyre.

Discussion proceeded on this matter and the mover of the motion, with the consent of the seconder and the committee, agreed to adjust the motion as follows:-

Motion

2012 LONDON OLYMPIC GAMES AND 2012 LONDON PARALYMPIC GAMES

Argyll & Bute Council notes with delight the major success of Luke Patience from Rhu and his team-mate Stuart Bithell in securing a silver medal in the Men's 470 Class Sailing Event at the 2012 London Olympic Games.

On behalf of the residents of Argyll & Bute, the Council agrees to pass on their congratulations to Luke for this significant achievement and wish him further success in future for sailing events that he may participate in.

Given that Argyll & Bute has some of the best sailing waters in Great Britain, the Council hopes that the success of Luke will inspire and encourage many young people across Argyll & Bute, to consider taking up sailing with one of the many superb sailing clubs in the area.

Argyll & Bute Council also recognises the tremendous achievement of Helensburgh wheelchair tennis player Gordon Reid in being selected for the Paralympic Games and wishes him every success.

The Committee also request that the Provost consider holding a Civic Reception in recognition of the remarkable achievements by both athletes.

Moved by Councillor George Freeman
Seconded by Councillor Robert G MacIntyre.

Decision

The Committee agreed to the terms of the amended motion.

12. HELENSBURGH PIERHEAD MASTERPLAN - APPROVAL FOR A FURTHER ROUND OF PUBLIC CONSULTATION

Members were asked by the Development Policy Manager, to consider a report summarising the changes made to the draft Masterplan following the consultation period and analysis of results.

Decision

1. Agreed to approve the submitted Finalised Pierhead Masterplan subject to the minor amendments as discussed.
2. Agreed to recommend that the document be publicised for a minimum of 28 days commencing on 3 September 2012 to allow for public comments to be submitted.

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ARGYLL AND BUTE COUNCIL

**HELENSBURGH AND LOMOND
AREA COMMITTEE**

9 OCTOBER 2012

GOVERNANCE AND LAW

AREA COMMITTEE MEETING CYCLE – HELENSBURGH AND LOMOND.

1.0 SUMMARY

1.1 This report outlines the proposed cycle of meetings for the Helensburgh and Lomond Area Committee from October 2012 until March 2013.

2.0 RECOMMENDATION

2.1 Members are asked to agree the outlined cycle of Area Committee, Community Planning Group and Business Day meetings as detailed below.

3.0 DETAIL

3.1 Helensburgh and Lomond Area Committee will continue with the agreed cycle of meetings, such that Area Committees will take place on the morning of the second Tuesday of October, December and February.

Community Planning Group meetings will take place quarterly, in the afternoon of the second Tuesday in December and March.

Business meetings will take place in the morning of the second Tuesday of November, January and March.

Pre agenda briefings will take place two weeks before the Area Committee. The cycle of meeting dates is detailed below

Agenda Issue	AREA COMMITTEE MEETING	Venue	Start time
Tuesday 2 October	Tuesday 09 October	Pillar Hall	9.30am
Tuesday 4 December	Tuesday 11 December	Pillar Hall	9.30am
Tuesday 5 February	Tuesday 12 February	Pillar Hall	9.30am

Agenda Issue	BUSINESS DAY	Venue	Start time
Tuesday 6 November	Tuesday 13 November	Pillar Hall	9.30am
Tuesday 8 January	Tuesday 15 January	Pillar Hall	9.30am
Tuesday 5 March	Tuesday 12 March	Pillar Hall	9.30am

Agenda Issue	COMMUNITY PLANNING GROUP	Venue	Start time
Tuesday 13 November	Tuesday 11 December	Pillar Hall	1.30pm
Tuesday 12 February	Tuesday 12 March	Pillar Hall	1.30pm

4.0 IMPLICATIONS

Policy: None
 Financial: None
 Personnel: None
 Equal Opportunities: None

For further information contact: Shirley MacLeod, Area Governance Manager 01369 707134

**ARGYLL AND BUTE COUNCIL
COMMUNITY SERVICES: EDUCATION**

**HELENSBURGH AND LOMOND
AREA COMMITTEE
9TH OCTOBER 2012**

SCHOOL HOLIDAYS AND IN SERVICE DAYS: 2013/2014 and 2014/2015

1. SUMMARY

- 1.1 The Executive at its meeting on 2 February 2012 agreed the framework of main holiday dates for schools in 2013/2014 and 2014/2015.
- 1.2 These dates were then circulated to schools to consider the remaining inservice days and occasional days.
- 1.3 The final patterns of inservice days and school holidays have now been identified for all schools in Helensburgh and Lomond and these are outlined in Appendices 1 and 2 attached to this paper.

2. RECOMMENDATIONS

- 2.1 Members are asked to endorse the final pattern of school holidays and inservice days for all schools in Helensburgh and Lomond as outlined in Appendices 1 and 2.
- 2.2 Members are asked to agree that the details of schools holidays and inservice days for 2013/2014 and 2014/2015 should now be circulated to schools and all relevant organisations.

3. DETAIL

- 3.1 The Executive at its meeting on 2 February 2012 agreed the main framework of school holiday dates for Session 2013/2014 and 2014/2015.
- 3.2 This framework was circulated to all schools. Head teachers/campus principals were consulted about the five inservice days and the five occasional day's holidays which were to be incorporated into the agreed framework of holiday dates.
- 3.3 As part of the process head teachers/campus principals were asked to consult with other schools with the aim of achieving a consistent pattern of inservice days and occasional day's holidays in their area.

3.4 Following this consultation, responses from head teachers/campus principals were submitted to Argyll House and the final patterns of inservice days and school holidays were collated for consideration and endorsement by local committees.

3.5 The patterns of inservice days and school holidays for all schools in Helensburgh and Lomond for school session 2013/2014 and 2014/2015 are outlined in Appendices 1 and 2 which are attached to this paper.

4. CONCLUSION

4.1 Following consultation with head teachers/campus principals about the incorporation of inservice days and occasional days holidays into the framework of main holiday dates agreed by the Executive Committee, the pattern of school holidays for 2013/2014 and 2014/2015 have now been identified.

5. IMPLICATIONS

5.1 Policy	None
5.2 Financial	None
5.3 Legal	None
5.4 HR	None
5.5 Equalities	None
5.6 Risk	None
5.7 Customer Service	Customers/Clients need to know school holiday dates in advance for planning purposes

6.0 APPENDICES

6.1 School Holidays 2013/14

6.2 School Holidays 2014/15

Cleland Sneddon
Executive Director, Community Services
August 2012

For further information contact: Carol Evans, Head of Education, Oban Education Office, Dalintart Drive, Oban, Argyll PA34 4EF. Tel: 01631 564908

**COMMUNITY SERVICES: EDUCATION
SCHOOL HOLIDAYS AND IN SERVICE DAYS 2013/2014**

HELENSBURGH AND LOMOND

Hermitage Academy

Luss Primary

Colgrain Primary

Rosneath Primary

John Logie Baird Primary

Kilcreggan Primary

Cardross Primary

Rhu Primary

Hermitage Primary

Arrochar Primary

Parklands School

Garelochhead Primary

St Joseph's Primary

TERM 1	
13 and 14 August 2013	In-service days
15 August 2013	Pupils return
11 October 2013	School closes
21 October 2013	School re-opens
14 November 2013	School closes
15 November 2013	In-service day
18 November 2013	School re-opens
20 December 2013	School closes

TERM 2	
06 January 2014	School re-opens
13 February 2014	School closes
24 February 2014	School re-opens
14 March 2014	School closes
17 March 2014	In-service day
18 March 2014	School re-opens
04 April 2014 Easter Holidays	School closes

TERM 3	
22 April 2014	School re-opens
02 May 2014	School closes
06 May 2014	School re-opens
22 May 2014	School closes
23 May 2014	In-service day
27 May 2014	School re-opens
27 June 2014	School closes

**COMMUNITY SERVICES: EDUCATION
SCHOOL HOLIDAYS AND IN SERVICE DAYS 2014/2015**

HELENSBURGH AND LOMOND

**Hermitage Academy
Luss Primary
Colgrain Primary
Rosneath Primary
John Logie Baird Primary**

**Kilcreggan Primary
Cardross Primary
Rhu Primary
Hermitage Primary**

**Arrochar Primary
Parklands School
Garelochhead Primary
St Joseph's Primary**

TERM 1	
12 and 13 August 2014	In-service days
14 August 2014	Pupils return
10 October 2014	School closes
20 October 2014	School re-opens
13 November 2014	School closes
14 November 2014	In-service day
17 November 2014	School re-opens
19 December 2014	School closes

TERM 2	
05 January 2015	School re-opens
12 February 2015	School closes
23 February 2015	School re-opens
13 March 2015	School closes
16 March 2015	In-service day
17 March 2015	School re-opens
02 April 2015 Easter Holidays	School closes

TERM 3	
20 April 2015	School re-opens
01 May 2015	School closes
05 May 2015	School re-opens
21 May 2015	School closes
22 May 2015	In-service day
26 May 2015	School re-opens
26 June 2015	School closes

ARGYLL AND BUTE COUNCIL**HELENSBURGH &
LOMOND AREA COMMITTEE****DEVELOPMENT & INFRASTRUCTURE****9th October 2012**

**DUCHESS WOOD LOCAL NATURE RESERVE – NEW MANAGEMENT
PLAN**

1.0 SUMMARY

- 1.1 This report seeks noting and approval from members of a new management plan for the Duchess Wood Local Nature Reserve (LNR). This management plan will form the framework for enhancements within the woodland over the next 5 years, and recognises the existing maintenance provision that is in place.

2.0 RECOMMENDATIONS

- 2.1 That the Helensburgh and Lomond Area Committee note and approve the management plan appended to this report.

3.0 DETAIL

- 3.1 The management plan has been drawn together by the Duchess Wood LNR Management Committee, comprising representative of Argyll and Bute Council, Lower Clyde Greenspace, Friends of Duchess Wood and Scottish Natural Heritage.
- 3.2 The management plan lists a range of aims and objectives for the LNR over the next 5 years. Overarching these aspirations are a recognition that a robust facility already exists, and that any additional works would require both to be maintenance neutral, and to be funded by non-Council sources.
- 3.3 The resulting management plan focuses on biodiversity improvements, increased community involvement and externally funded infrastructure improvements. This plan has been approved by the LNR Management Committee

4.0 CONCLUSION

- 4.1 Duchess Wood is the only Local Nature Reserve in Argyll and Bute, and is a significant environmental resource. The LNR already benefits from a maintenance schedule supported by Argyll and Bute Council, as approved by the Area Committee in February 2011. As detailed in that Report, maintenance is carried out in partnership with other groups,

notably the Friends of Duchess Wood, Lower Clyde Greenspace and Argyll and Bute Employability.

- 4.2 Approval of this management plan will allow this partnership working to continue, and allow any necessary funding applications to be targeted at external organisations not always open to local authorities.

5.0 IMPLICATIONS

5.1 Policy - None

5.2 Financial – no additional maintenance needs will emerge as a result of this plan without first seeking approval from Argyll and Bute Council. Additionally, the partnership working will allow access to a wide range of funding sources.

5.3 Legal - None

5.4 HR - None

5.5 Equalities - None

5.6 Risk - None

5.7 Customer Service - None

6.0 APPENDICES

6.1 Duchess Wood Local Nature Reserve Management Plan 2012/17

Executive Director of Development and Infrastructure

14th September 2012

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MANAGEMENT PLAN 2012-16

for the

DUCHESS WOOD LOCAL NATURE RESERVE

Helensburgh

Argyll and Bute



(Draft 20.07.2012)

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ABBREVIATIONS USED IN THIS PLAN.

A&B	=	Argyll and Bute
A&BC	=	Argyll and Bute Council
CWA	=	Community Woodlands Association
DW	=	Duchess Wood
DWLNRC	=	Argyll and Bute Council Duchess Wood Local Nature Reserve Committee
FCS	=	Forestry Commission Scotland
FODW	=	Friends of Duchess Wood
LBAP	=	Local Biodiversity Action Plan
LCG	=	Lower Clyde Greenspace
LE	=	Luss Estates Ltd
LNR	=	Local Nature Reserve
MA	=	Management Agreement
MP	=	Management Plan 2007-2011 MP (The third plan) 2012-2016 MP (This plan, the fourth)
NVC	=	National Vegetation Classification
SNH	=	Scottish Natural Heritage

EXECUTIVE SUMMARY

The Management Plan 2012-2016

i. This is the fourth consecutive Management Plan for Duchess Wood. It serves three main purposes:

- a. to provide a basis for actions within the five year span;
- b. to provide longer term policy within which the five-year work is set;
- c. to provide the basis for seeking funding to support the action.

Overall aims of the Management Plan

Duchess Wood will be managed as a semi-natural area, to conserve and enhance its biodiversity and landscape value, to encourage research, and to provide visitors with reasonable access and opportunities for quiet recreation and education.

Location

ii. Duchess Wood lies at the western edge of Helensburgh, north of Rhu Road Higher and south of the West Highland railway line. It is bounded on the east by a residential area and on the west by semi-improved wet grassland. At the southern edge there are sports pitches and some housing.

Designation

iii. Duchess Wood is the only Local Nature Reserve in Argyll and Bute. It lies within the Green Belt and is an Open Space Protection Area. It is a "Woodland of Long Established Plantation Origin" on the Scottish Natural Heritage Ancient Woodland Inventory.

Value

iv. Duchess Wood is highly valued by the local community and much used by local people and visitors. The importance of Duchess Wood has been recognised in official reports. The "Greenspace Audit and Action Plan" (2006) identified Duchess Wood as one of just four "most valued sites" in the Helensburgh area, and one of only seven designated for priority action. The "Green Belt Landscape Study" (2010, p76) defined Duchess Wood as of high value and described it as "managed well". The main paths in Duchess Wood have been designated by A&BC as Core Paths.

Management responsibilities

v. The landowner is Luss Estates Ltd which on 19 November 2010 renewed its Management Agreement with Argyll and Bute Council for the Council to manage the Wood as a Local Nature Reserve for a further ten years. Responsibility has been delegated to the Duchess Wood Local Nature Reserve Committee (DWLNRC) to oversee the Wood's management on behalf of the Council. The DWLNRC has prepared this plan.

Partnership

vi. Partnership with other organisations is integral to the management of the Wood. Lower Clyde Greenspace acts as the Council's agent over some aspects. The voluntary Scottish charity Friends of Duchess Wood assists with day-to-day safeguarding tasks and carries out certain management and educational tasks delegated to it by the DWLNRC; it also seeks funding related to those tasks. Other official and voluntary organisations

assist in different ways and they are listed in the body of this Plan. Duchess Wood is much valued in terms of biodiversity and recreational value by local residents and visitors. Partnership working helps foster a sense of service to the community and helps bring the community together.

vii. In line with the views of Scottish Natural Heritage and Forestry Commission Scotland the Wood will be managed to be multipurpose. The Plan takes into account the primary designation of the Wood as a Local Nature Reserve (and the protection and enhancement of its biodiversity), its function as community woodland with a wide range of users, and the possibility, arising from the management activities, of using timber from the Wood for a variety of purposes. We will do this by working in partnership both with official and with voluntary organisations, and by taking into account the needs of the different users of the Wood.

Long-term objectives

viii. The long term objectives are likely to remain unchanged for the foreseeable future, and reflect the aims above:

- a. to manage the Wood so as to maintain and enhance its semi-natural mostly broad-leaved habitat and conserve and improve its biodiversity;
- b. to provide and enhance provisions for public access;
- c. to maintain access ways and other facilities used by visitors;
- d. to encourage and publicise research;
- e. to encourage and promote education and recreation
- f. to support voluntary involvement.

Medium term objectives and priorities for action

ix. Within each long-term objective are several medium-term objectives, and medium and short term actions, which we anticipate will be met during the life of this plan, **but with the proviso that many of the actions depend on the necessary external funding being found, and this is a major challenge.** The delivery of all of these objectives is supported by a number of agreed operational policies which help determine the approach to be taken. In the context of limited availability of funding it is important to be clear about where the priorities lie; the main elements are summarised below and set out in a comprehensive action table in the MP.

- a. Woodland management:
 - continue to restructure the woodland to a more native composition and condition and to assess, protect and enhance its biodiversity;
 - establish a strategy and action plan for the boundaries; increase the "woodland corridors" around Duchess Wood;
 - investigate the use of timber from the Wood which becomes available as the result of action in support of the MP.

Action priorities

- * **secure professional advice on woodland management**
- * **remove selected storm-damaged trees**
- * **create open glades/fell sycamore near peripheral path**
- * **eradicate Japanese knotweed and rhododendron**
- * **clear fell small sycamore coups**
- * **plant/replant where opportunities arise**
- * **boundary management**
- * **establish how best to use timber from Wood**

b. Public access:

- provide clear signage to the Wood and around the main paths;
- create no new paths (with one possible exception) but improve existing constructed paths, particularly at burn crossing points.

Action priorities

- * **new car park sign from Rhu Road Higher**
- * **additional direction and information signs in Wood**
- * **replace three bridges by large culverts**

c. Maintenance:

- maintain paths and drainage and other facilities to ensure the Wood remains an attractive, diverse and reasonably safe natural woodland through regular inspection, repair and safeguarding;

Action priorities

- * **resurface the all-abilities path and the car park**
- * **maintain existing paths, drainage, fencing and signs**
- * **deal with storm damage where it affects access or safety**
- * **clear litter and report problems to fire, police and other services**

d. Research:

- encourage research into the Wood's plants and wildlife and publish the results.

Action priorities

- * **conduct surveys of animals, birds, insects and water life**

e. Education and recreation:

- enhance the use of the Wood for educational purposes and maintain and enhance its educational values and facilities;
- establish policies for recreation which take account of the different needs of users.

Action priorities

- * **liaise with schools and tertiary education centres**
- * **revise and relaunch information pack for schools**
- * **visitor survey**
- * **maintain website and publish information leaflets**

f. Voluntary effort:

- support voluntary effort to protect, maintain and enhance the Wood and its facilities.

Action priorities

- * **support the Friends of Duchess Wood and coordinate voluntary effort**

x. Some of the priorities will need substantial funding, some will need limited funding, whereas others can be undertaken by voluntary action. These priorities indicate a balanced and positive approach which should lead to significant improvements in the biodiversity of the Wood and its value to the local community.

MANAGEMENT PLAN 2012-16

INTRODUCTION

1. Duchess Wood, in the Green Belt to the west of Helensburgh, has been a Local Nature Reserve (LNR) since 1998. It is the only LNR in Argyll and Bute. The landowner is Luss Estates Ltd (LE) which on 19 November 2010 renewed its Management Agreement (MA) with Argyll and Bute Council (A&BC) to manage the Wood as a Local Nature Reserve for a further ten years. This is the fourth Management Plan (MP) for the Wood, although the two earliest plans, dating back to 1994, were of a different nature, and not consecutive.

2. Management of the Wood is the responsibility of A&BC which exercises that responsibility through the Duchess Wood Local Nature Reserve Committee (DWLNRC), a sub-committee of A&BC. In addition to a Councillor (as Convener) and A&BC officials, membership of the DWLNRC includes representatives of Luss Estates Ltd, Lower Clyde Greenspace (LCG), Friends of Duchess Wood (FODW) and Lomond School. LCG acts as agent for A&BC. FODW is a local voluntary Scottish charity set up to support the DWLNRC, and to assist in the Wood's management, safeguarding, education and community liaison. Scottish Natural Heritage (SNH) assists the DWLNRC in an advisory capacity. **The DWLNRC has prepared this Plan, [which has been endorsed by Argyll and Bute Council – text to be added] and where “we” is used in the text it signifies the partnership represented through the DWLNRC.**



3. This combination of interests, working in partnership, has shown itself to be dynamic, and a great deal has been achieved in the span of the 2007-11 MP, especially regarding access (paths, culverts, bridges and a much increased recreational use of the Wood), a limited amount of sycamore clearing, the planting of 100 oak trees, a start to reducing non-native invasive species, biodiversity recording, educational activities, and community involvement. Duchess Wood is a much valued and used local facility deserving both protection and increased woodland management. It is significant that A&BC continues to support it in these recessionary times, but external grants will be essential if the momentum is to be maintained.

4. This Management Plan covering the five years 2012-2016 has been drawn up by the DWLNRC, based upon the third MP prepared by Erika Luukas of Scottish Origins LLP. Its main emphases for this period will be:

- i. Woodland management
- ii. Access
- iii. Maintenance
- iv. Research
- v. Education and recreation
- vi. Voluntary effort

5. The Plan covers a wide range of activities, some quite substantial, and actions have generally been expressed in positive language such as “X will be done”. **However all of the major “woodland management” and “access” actions, and some less substantial actions, depend on the necessary funding being found, and this will be a challenge.** At the same time, many other actions will continue to be undertaken through voluntary and partnership efforts.

DESCRIPTION

Location / designation of Duchess Wood

6. Duchess Wood lies at the western edge of Helensburgh, north of Rhu Road Higher and south of the West Highland railway line between Glasgow and Fort William. It is bounded on the east by a residential area and on the west by semi-improved wet grassland. At the southern edge there are sports pitches and some housing. The Duchess Wood car park access grid reference is NS 2842 8337. A map showing the location of the Wood is on the following page; it is taken from the 2007-2011 MP, and shows the designated "compartments" which help in subdividing the Wood. A more detailed map is included in Annex 6. The importance of Duchess Wood has been recognised in official reports. The "Greenspace Audit and Action Plan" (2006) identified Duchess Wood as one of just four "most valued sites" out of 59 Helensburgh sites assessed, and one of only seven designated for priority action. The IronsideFarrar Report "Green Belt Landscape Study" (2010, p76) defined Duchess Wood as of high value and described it as "managed well". The main paths in Duchess Wood have been designated by A&BC as Core Paths.

7. The Wood is designated in the A&BC Local Plan (2009, map 9) as both Green Belt and an Open Space Protection Area. It is a "Woodland of Long Established Plantation Origin" (LEPO) on the SNH Ancient Woodland Inventory. It is also a designated Local Nature Reserve and is on the A&BC list of Sites of Importance for Nature Conservation. It appears in the Argyll and Bute (A&B) Biodiversity Action Plan.

8. The Wood's aspect is south-south-westerly, its altitude is between 20 and 65 metres above mean sea level and its gradients range from flat to 30°. No site specific soil survey has been carried out, although general surveys of the area suggest that the soil may include gley soils, and forest brown earth soils. Rainfall is about 60 inches a year. The geology underlying the Wood shows two faults running through the area and they form the boundaries between three main rock groupings: (i) Bullrock Greywacke (a form of sandstone) to the north-west, (ii) Sandstone and red-brown siltstone with nodules of limestone to the south-east, and (iii) Rosneath conglomerate to the south and south-east. Small burns with steep-sided banks / gullies run down the hill and are in the process of being named by the DWLNRC. The quality of the burn water is clear. Some web links to explanations of the geology are given in the Bibliography at (1).

9. At 23ha, Duchess Wood LNR is a significant remnant of Semi-Natural Woodland in a largely urban landscape, parts of which are most probably of ancient origin, although its initial extent is currently unknown. Although classed as of Long Established Plantation Origin, this assessment is based on the Roy Maps of 1750 which were prepared for military purposes and thus woodlands not of military importance were often not mapped. The 25 inch Ordnance Survey map from 1860 (See Annex 6) shows the woodland area (which was possibly part of the designed landscape of Ardencaple Castle grounds) almost the same as it is today. A summary of the historical context of the Wood is given in Annex 1. The natural woodland is dominated by oak, ash, birch, alder, Scots pine, rowan, and hazel, but there are also significant stands of sycamore and beech. The understorey trees and shrubs and the groundflora are also varied and interesting. The Wood is home to a wide range of animals (including roe deer, fox, moles and bats); birds (including owls, sparrowhawk, jay, and bullfinch); and insects (although the types of insect life are not well known at present). In shaping this MP much helpful information has been taken from "Woodland management: a practical guide" and "A handbook of Scotland's trees"; the full references are given in the Bibliography at (2).

10. A full ecological evaluation using the Ratcliffe (1977) Criteria was prepared for the 2007-11 MP, and this (with some revisions and updates) is attached as Annex 1. This emphasises the value of the Wood as an ecological resource and the potential for continuing to protect and develop its biodiversity.

11. The 2007-11 MP also contained a report detailing the results of a survey of the Wood, using the National Vegetation Classification (NVC) framework, and this is attached as Annex 2, with some revisions to make it more readable for a lay audience, and updates. This description remains an important resource and will continue to inform the management of the Wood during the five year period 2012-16 and beyond. It identifies three main woodland types:

- Oak-Birch-Wood sorrel (the most abundant type)
- Alder-Ash-Yellow pimpernel
- Ash-Rowan-Dog's mercury

The report pointed out that the three types occurred in an intricate mosaic with each other throughout the Wood.





Duchess_Wood.pdf

Draft map of Duchess Wood, prepared by John Dale, A&BC, 17.5.2012

Duchess Wood in the context of the Argyll and Bute Biodiversity Action Plan

12. The A&B Local Biodiversity Action Plan (LBAP) identifies woodland as a priority habitat and emphasises the vital role that woodlands play in conserving threatened plants, animals and fungi. The LBAP recognises that our woodlands hold one of the most diverse ranges of moss, liverwort and lichen communities in the world and are home to many important protected and priority species. Although focused on the opportunities created by the harvesting of commercial forests, the plan's vision of increasing woodland habitat networks to help reverse the pattern of habitat fragmentation that has occurred over the centuries is very relevant to the future management of Duchess Wood.

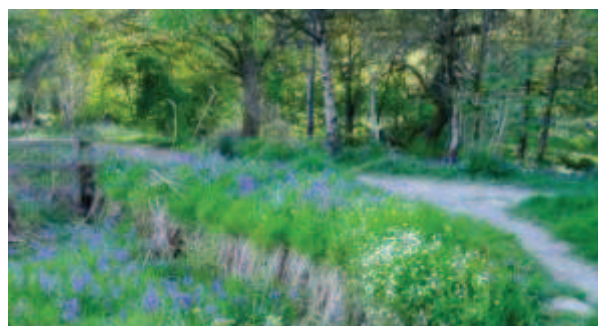


13. The Work Programme in the LBAP includes a number of actions, some of which may have an impact, directly or indirectly, on this MP, such as native woodland expansion and the control of invasive species. The LBAP reference is given in full in the Bibliography at (3) and a fuller summary of the LBAP is given in Annex 3. This 2012-2016 MP aims to address all the biodiversity issues in the LBAP, and seeks to support and learn from the actions envisaged for woodland habitats.

Duchess Wood – what we know already

14. During the period of the 2007-11 MP, the Friends of Duchess Wood arranged the compilation of a number of constantly evolving and updated checklists of species found in the Wood; these now comprise:

- Bryophytes (Mosses and liverworts)
- Ferns
- Fungi
- Trees and shrubs
- Birds
- Flowers and flowering shrubs.



Several of these invaluable checklists (attached in annex 4) were based on longer professional reports – see the Bibliography at (4) and (5). They confirm the diversity of species found in the Wood and the value of the Wood as a haven for a large number of plant and animal species. It will be important during the next five-year period to continue to revise the existing checklists and undertake additional surveys.

15. This description confirms that a great deal is now known about the ecology and biodiversity of Duchess Wood, but that there is much still to be discovered. In essence, we need to know what currently exists. This offers great opportunities for further research and educational work. This updated plan will:

- seek to act on and develop our knowledge,
- integrate the different approaches to classifying the ecology of the Wood,
- identify the biodiversity priorities for the Wood,
- investigate where enhanced protection or support is needed.

MANAGEMENT PRINCIPLES, AIMS AND OBJECTIVES

Overall aims

Duchess Wood will be managed as a semi-natural area, to conserve and enhance its biodiversity and landscape value, to encourage research, and to provide visitors with reasonable access and opportunities for quiet recreation and education.

16. In line with the views of Scottish Natural Heritage and Forestry Commission Scotland our intention is to manage the Wood as a multipurpose facility - see the web reference at Bibliography (4). The context for its effective management therefore contains a number of strands:

- i. The Management Plan implements the terms of the Management Agreement between Luss Estates and Argyll and Bute Council.
- ii. The primary designation of the Wood as a Local Nature Reserve means that we must meet the SNH objectives for such sites (see Bibliography at (5)).
- iii. At the same time we must be conscious of the significant community use of the wood, and while giving priority to the MA and the LNR objectives, take account of the Community Woodland Association objectives for community woodland.
- iv. We will do this by working in partnership with both official and voluntary organisations, and by paying attention to the needs of the different users of the Wood.
- v. A&BC ensures that any legal obligations in relation to public access provisions and health and safety legislation are met.
- vi. A&BC has established the A&BC DWLNRC under the chairmanship of a local councillor to manage the implementation of these objectives, monitor and record all activities, and report to the Council and to the community.

This plan sets out what we hope are achievable objectives and action, in the short term (over the first two years 2012-13); in the medium term (over the next three years 2014-16); and in the long term (over the last four years of the current agreement 2017-20, and beyond). These objectives are structured in the context of the overall aims for the Wood. The actions in relation to the objectives are described in general terms and specific actions are related to the compartment structure used in the 2007-11 MP, and illustrated in the map on page 9 and in Annex 6.

Long-term objectives

17. The following long term objectives are likely to remain unchanged for the foreseeable future, and reflect the aims above:

- i. to manage the Wood so as to maintain and enhance its semi-natural broad-leaved habitat and conserve and improve its biodiversity;
- ii. to provide and enhance provisions for public access;
- iii. to maintain access ways and other facilities used by visitors;
- iv. to encourage and publicise research;
- v. to encourage and promote education and recreation
- vi. to support voluntary involvement.

Medium-term objectives

18. Within each long-term objective are a number of medium-term objectives, and medium and short term actions which we anticipate will be met during the life of this plan (but with the strong proviso set out in paragraph 5). The delivery of all of these

objectives is aided by a number of agreed operational policies which help determine the approach to be taken. The detailed objectives, policies and actions are described in the full text which follows, and are set out in table 1 at the end of the text; the main elements are summarised below:

- i. Woodland management:
 - a. following the principles of good woodland management and in the context of the available resources, continue to restructure the woodland to a more native composition and condition;
 - b. establish a programme of selective thinning of sycamore and beech, both to create additional open glades and to allow the planting or replanting of native species;
 - c. eradicate rhododendron and Japanese knotweed and reduce other non-native invasive species;
 - d. assess the biodiversity of habitats and species in the Wood to improve understanding of how it can be protected and enhanced;
 - e. establish a strategy and action plan for the boundaries which meets the needs of both the woodland and its neighbours;
 - f. increase the "woodland corridors" between Duchess Wood and other nearby woodlands;
 - g. encourage the use of timber from the Wood and in the context of the primary management objectives, sell redundant timber for firewood and make timber from the Wood available for craft purposes.
- ii. Public access:
 - a. Provide clear signing to then Wood and around the main paths;
 - b. create no new paths, (with one possible exception) but improve existing constructed paths particularly at burn crossing points.
- iii. Maintenance:
 - a. maintain paths and drainage, and other facilities in the wood, and in particular resurface the all-abilities path and the car park.
 - b. Maintain the Wood as an attractive, diverse and reasonably safe natural woodland, through regular inspection, repair, and safeguarding.
- iv. Research:
 - a. encourage research into the Wood's plants and wildlife and publish the results.
- v. Education and recreation:
 - a. Enhance the use of the Wood for educational purposes and maintain and enhance its educational values and facilities;
 - b. establish policies for recreation which take account of the different needs of users.
- vi. Voluntary effort:
 - a. support voluntary effort to protect, maintain and enhance the Wood and its facilities.

Woodland management

19. Effective woodland management is potentially the most demanding aspect of protecting and enhancing the Wood and professional advice is likely to be necessary to help plan and undertake this work. Useful source texts which this section draws on are "Woodland management: a practical guide" and "A handbook of Scotland's trees", as well as the FCS, SNH and CWA websites.



20. The management context for the Wood is established firstly by the requirements of the LE/A&BC Management Agreement which has as its objective to "*preserve and enhance the appearance of the Managed Land, and to promote the enjoyment of the countryside by the public*". The agreement refers to a range of maintenance and access works (which are dealt with later), but also to the proper management of the Wood and the inspection of all trees for obvious signs of disease/damage. FCS guidance supported by SNH emphasises the importance of a multiple use approach, and specific SNH guidance on LNRs concentrates on enhancing recreation, education and biodiversity. The aims of the Community Woodlands Association add economic development, renewable energy and social inclusion to the mix. The A&B Biodiversity Action Plan (see paragraphs 12 and 13) identifies a number of important issues for woodlands which this plan will help address. The overall **policy** is to manage the Wood so as to protect and enhance its biodiversity and its landscape value, while providing suitable public access. At the same time we will examine whether it will be possible to sell, or otherwise make available, unwanted timber from the wood to aid local businesses and craft workers. A primary important **action** will be to secure professional support and advice on woodland management.

Native trees

21. The Wood has a wide range of native trees, including oak, ash, birch, hazel, alder, rowan, wych elm, willow and others. One main aim of this plan is to conserve and protect the native trees, but also to manage them in a way which gives a variety of age and spacing, and helps encourage greater biodiversity of the understorey, of ground flora and wildlife. **Action** may, in places, involve thinning of native trees and their replacement by the same or different species (see photograph) and while this work is being done, the removal or thinning of any non-native trees – see below.



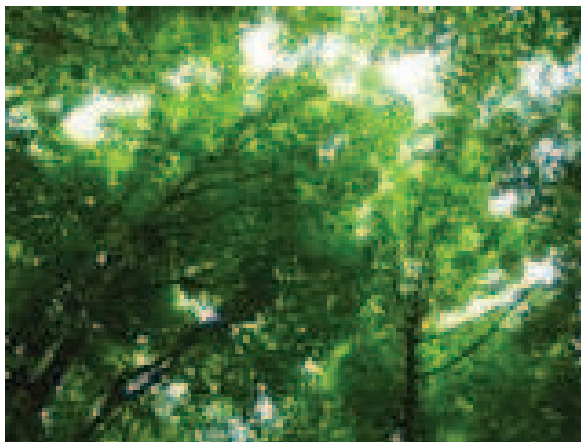
22. We also propose to identify individual native trees, or groups of trees, which can be managed as a demonstration of good forestry practice, to show what can be done to help produce local timber suitable for a variety of uses, such as furniture, construction, turning and other crafts, woodfuel and charcoal. This approach will also include some of the non-native species discussed below. The establishment of good forestry practice will have a strong educational element and should also help the rural or woodland-based economy.

Dead wood

23. Leaving dead wood standing or lying naturally or in man-made heaps brings a lot of advantages in terms of creating habitats to support a wide variety of bird, animal and insect life. The Wood already has a fair number of standing and fallen trees. "Woodland Management" suggests a minimum ration of three standing and three fallen trees per hectare, spread throughout the woodland. The Wood probably has this minimum at present, though it tends to be concentrated in certain areas. The storms during the May 2011 - January 2012 period have left a large number of fallen and broken trees which will add to the deadwood in time. Another problem is that there are quite a few dead or dying trees close to the peripheral path (mostly sycamore), and for safety reasons we propose that the more fragile of these should be felled and the timber left to decay, or removed for other uses. It may also be possible to "ring bark" some trees deeper in the Wood to create standing dead wood in areas where there is little at present. This **action** will be covered by the short term work proposed in the section below.

Sycamore

24. **Action** to change the Wood to a more natural woodland will mean gradually removing quite substantial numbers of sycamore. The photograph here shows how little light penetrates the dense sycamore canopy. FODW work parties have observed that extensive areas of the Wood are now dominated by sycamore. It is the greatest arboreal threat to the character of Duchess Wood and much the biggest challenge to the Wood's management. Experience in the Wood suggests that in current conditions, sycamore is self-seeding freely only in localised areas, although there are many saplings perhaps 20-30 years old, and regrowth from old stumps is very vigorous. The variation in re-seeding of sycamore is something that will merit further research and testing to see how re-seeding can best be controlled. Although the sycamore canopy blankets areas of the Wood thus reducing flower and other lower growth, it is thought that mature trees can support a high (although not particularly diverse) population of wildlife.



25. The **policy** is therefore that a number of mature sycamores are identified for retention as specimens through the Wood, but that a major part of the workplan for the next five years and beyond should involve the progressive removal of the rest of the sycamore. FODW has already started a campaign of removing sycamore saplings through its work parties, but there is urgency to obtain funding for professional felling of the larger trees. While planning this work, tests will be made to identify whether any of the trees are of the "ripple" form of sycamore, which may have significant commercial value. The value of the timber may help to offset the cost, but is unlikely to cover it. As the more detailed description below suggests, this may cause significant disruption but should also enable us to begin the restructuring of the Wood into a more natural and biodiverse environment. Without this short-term pain, it will be difficult to achieve the long-term gain that is the main objective of this plan.

26. This policy has a number of important implications:

- i. Such extensive work will necessitate professional support and assistance
- ii. Much of the work can only be carried out with mechanised (or possibly horse-drawn in some places) equipment.
- iii. The main peripheral path and some other parts of the paths network may have to be improved to take small log-handling transporters. Experience suggests that this can be managed in an attractive way, commensurate with the setting. Such improvements would also improve accessibility for some users for example horseriders and those with buggies.
- iv. However, while the work is being carried out some areas of the Wood may have to be closed to users.
- v. Although some of the cut wood will be left in the Wood, most will have to be removed, and arrangements will have to be made for the disposal of the timber, which could involve selling wood for a range of purposes. The damage caused by recent storms has increased the potential to do so which could help defray management expense and perhaps marginally increase funding for the Wood. This possibility is being investigated.
- vi. This offers opportunities to work with local arboriculturists, tree surgeons, timber and wood fuel merchants, craft workers and others who can use the timber. Areas may have to be created near the main road access (and possibly rail

- access) points to enable timber to be stored and removed. Removal may also damage access paths and planning of the operations will need to include provision for restoration of the paths.
- vii. Dealing with the brash from tree felling will also have to be considered and while some can again be left to decay, experience has shown that very large quantities can be produced from some trees. Chipping (which may also have some commercial value, or can be used as a mulch in the Wood) or burning may have to be considered.
 - viii. Any extensive removal from the main sycamore-dominant areas (north of the garages and along the northern boundary with the railway) will leave quite bare areas for some years. A policy of progressive thinning of sycamore may be more acceptable in certain areas, particularly the heavily used areas near entrances and there will also be biodiversity and maintenance advantages in identifying and clearing a number of small open glades. The cleared or thinned areas can then be replanted with a native mixture of oak, ash, alder, rowan, hazel and other trees and shrubs, the mix depending on the ground conditions and other factors. Another option may be to allow the open glades to be recolonised naturally and to study over time how the woodland develops compared to the replanted areas – this could be a useful research and education opportunity.
 - ix. Volunteer work parties organised by FODW can manage the removal of seedlings, regrowth and small saplings, but not anything more than about 100mm in diameter.
 - x. In the short term we propose to seek professional advice and seek funding to begin to create open glades and to thin and remove larger sycamore from close to the main peripheral path and the north/south path from the eastern Rhu Road Higher entrance; these areas are generally easier to access and maintain. We will also look for other standing deadwood in the vicinity of the paths and where appropriate remove this as well. With professional advice we will also use the period to plan for the clearance or thinning of a larger area of sycamore (roughly one third of this section) along the northern boundary, then carry out the works at a suitable time towards the end of the five year plan period. Depending on the success or otherwise of these works we will then plan for the clearance or thinning of the remaining sycamore-dominated area along the northern boundary during the last four years of the Management Agreement.
 - xi. It will also be necessary to consider what to do with the cut stumps – whether to try to kill or remove the stump or to allow it to coppice. This is another area where professional advice will be important.

Beech

27. Beech is more widespread in the Wood than a casual look might suggest. Although not a native tree, it is thought that its natural climatic limit has not yet been reached in the UK, and its presence can be accepted in a sensible way in our natural woodland, contributing to the biodiversity. It is an attractive tree particularly in its spring and autumn colours. There are a number of very large and old mature trees around the boundaries (beech in photograph in NW corner) and it is the **policy** that these should be protected and retained. However, beech seems to regenerate quite successfully in the Wood (better than sycamore) and it needs to be monitored and controlled. Possible **action** is to allow it to regenerate in a managed way in the north west corner compartment where the mature trees are concentrated. In time it is likely that the beech would become the dominant species there. A number of other semi-mature trees would be identified around the Wood for retention and protection, while the remaining trees



would be removed at the same time as other operations were being carried out in the area.

Scots Pine plantation

28. The Scots Pine plantation (which possibly has other pines mixed in) between Rhu Road Higher and the Millig Street garages needs to be managed as a separate section. It is narrow and has a long boundary facing the prevailing wind direction, so edge effects will be important. It is also home to a large rookery, with over 50 nests (spring 2012) which needs to be protected. However there is a fairly substantial undergrowth of sycamore in places, and the pine trees are now of such a size that they should be thinned. Much of the undergrowth can be dealt with by volunteer action, but thinning the larger trees and the complexities involving the rookery will need professional advice. There may be timber value in the felled trees which could help fund other work in the Wood.



Other mature trees

29. Around the Wood there are a number of other mature trees including different conifers, several limes, and a few sweet (Spanish) chestnut. We propose a **policy** to protect and retain these trees, with the proviso that if any become unsafe near to paths, **action** will be taken to assess and manage the problem trees.

Other invasive species

30. As well as the sycamore and beech trees, there are a number of other non-native invasive species which have a major impact on the Wood and its biodiversity, and our **policy** is to control and eradicate them. They include:

- Rhododendron. Scattered throughout the Wood, sometimes in substantial clumps. **Action** to remove the bushes and control of regrowth is a short-term priority for the updated 5YP. Dealing with the brash involves the same considerations as for the trees, but it can be burned green, which may be the preferred method.
- Japanese Knotweed (see photograph). Present in a number of locations around the Wood. **Action** to remove and to control regrowth is also a short-term and urgent priority.
- Laurel. Only present in a few locations, mainly in the south west corner. Its removal and control of regrowth is a medium term priority for **action**.
- Lamium galeobdolon (Tri-coloured archangel). Present in a number of locations around the eastern boundary of the wood. Will be monitored initially, and consideration given to **action** to remove in the medium term.



31. In addition, two native species will be monitored and action considered:

- Bracken. In open areas mainly in the south half of the Wood. The areas are not extensive but one of the few open areas in the Wood is being taken over and trial action will be undertaken in the short term to examine if the bracken

in part of this area can be beaten and bruised and thereby sufficiently weakened to go into decline. Care will also be taken to ensure that other ferns are not damaged.

- Brambles are not generally a problem, except that they can erupt and make the ground impassable when a section of woodland is felled – but they can be managed in such circumstances. However there is also a large area of mixed trailing brambles and sub-erect brambles (which are relatively uncommon) at the east end of the pony field, and they are steadily extending their coverage. Professional advice will be sought on how best to control this area.

Boundary issues

32. Many of the issues identified above are more significant near the boundaries of the Wood, particularly where the boundary is with houses. Duchess Wood is bordered on its east side by a number of residential streets. From the north, they are Macleod Crescent, Macleod Drive, Duchess Drive, and Duchess Park; as the eastern boundary continues south, it runs alongside the end property in Millig Street, then after the garages, alongside Strathclyde Court and its lengthy garden. Kathleen Park in the south west corner also borders the Wood, although it is separated from the Wood by the south banks of the burn which runs behind the houses. It is also important to bear in mind that the northern boundary is formed by the West Highland railway line. A more detailed note on boundary issues is attached as Annex 5.

33. The management of the Wood should take into account the safety (and to an extent the amenity) of neighbouring residents. Branches and trees have fallen into gardens and onto garages in recent years and particularly during the severe storms between May 2011 and January 2012. Action has been taken by A&BC and FODW to deal with emergency issues that have arisen. An informal survey of the state of the trees close to boundaries was carried out in December 2011, but this preceded the gale of 3 January 2012 when there was a great deal of tree damage. In the short term, (unless it is done during the drafting of this plan), the first step must be to carry out a thorough boundary survey. It will then be necessary to consider what is needed to maintain a safe and suitable boundary or transition zone. In carrying out work in the transition zone around the boundary (which could be perhaps 5m wide) we should follow the principles set out in paragraphs 21-31 in relation to particular species and retain native mature trees where they are safe, retain other native trees and some non-native mature trees, but remove and thin drastically other non-native trees (while remembering edge effect issues). Lower, fruiting and flowering native trees such as rowan, hazel, hawthorn and blackthorn could then be planted in the transition zone to create a food-rich environment for birds, animals and insects.

34. At the same time, one of the broader aims of the MP is to ensure that neighbouring residents gain a greater understanding of the management needs of the Wood. There is no strict boundary as far as the wildlife is concerned and gardens are in essence an extension of the Wood. Residents can help protect and improve wildlife in the Wood, particularly the bird life. Boundary residents will also be encouraged to respect the needs of the Wood and not dump inappropriate garden waste (especially where there is a risk of spreading non-native invasive species).

Public access

Paths

35. The paths network has been steadily improved since the first Management Agreement was signed, and particularly so since 2002. There are now a number of "constructed" paths, most of which are now designated by A&BC as Core Paths. There are four recognised access paths (one of which links the Wood to the round-Helensburgh footpath network and routes to the National Park), a well-laid peripheral path, a "U"

shaped all abilities path at the flat, lower part of the Wood, and three subsidiary paths. A small car park has also been provided at the Kathleen Park entrance. In addition, a number of informal or "desire line" paths exist throughout the Wood which are used much less frequently and give access to the more central parts of the Wood.



36. There are five main **policies** which will inform future actions in relation to the paths network:

- To help provide and maintain relatively undisturbed "refuges" for wildlife (within the peripheral path, the south-west corner, and the "hammerhead"), general visitors should be encouraged to use the existing "constructed" paths network. This plan does not envisage the creation of any new paths other than temporary paths to facilitate access for the removal of timber or woodland management.
- The paths should be as natural as possible, and support the semi-wild nature of the Wood. This means that any fencing will be limited to narrow bridges, and when the fencing which is currently installed on one side of the stone bridge and on part of the steep bank to the south rots or is damaged, it will not be replaced. A similar approach will be taken to the small section to the south of the Strathclyde Court garages. However, the section of fencing at the bottom of the Scots Pine plantation on Rhu Road Higher should be maintained as it provides an effective barrier to visitors, particularly children and dogs, running onto a busy road.
- The main paths may need to be improved to allow small timber-handling and maintenance vehicles access around the Wood (although any contractor involved would have experience of dealing with such terrain). It may also be necessary to create some temporary paths into other areas of the Wood. The planning for any such use will take into account the need for path restoration. Such improvements/changes may also have benefits for horse riders and others. Clearances over and around paths will also have to be checked and improved to allow vehicles or horses to pass freely.
- The "constructed" paths should be well made, well drained and mud-free, and easy to maintain.
- The "informal" paths should be left as they are, with no attempt at improvement, or management, but should be monitored to check for over-use, and appropriate action taken if this appears to be a problem.

37. The short term priority for action is to resurface, and in places regrade, the all-abilities path which has deteriorated over the last decade. This will restore the smoothness of that path to its state ten years ago to make it more suitable for wheel-chairs and push-chairs. At present the all-abilities path is simply a "there and back" path, but we will examine the possibility of making it circular by creating a new section between the "garages" access area and the car park. In addition, if any substantial removal of trees is undertaken (as envisaged above), the main paths may need to be improved, and in places widened, to allow access for tree handling equipment. Even if such major works are not carried out, most of the peripheral path will need some maintenance in the medium term as some of the edges are deteriorating and some wash-away of the path covering has occurred. Although drainage has been much improved, (following a survey and report by the Paths for All Partnership, commissioned by FODW – see Bibliography at (6), there are still some areas where paths are damaged by rain and spate erosion, and crisis action will be needed to maintain the paths.

Burn crossings and drainage

38. Apart from a stone bridge on the eastern path constructed in Victorian times, the bridges are wooden; three were constructed around 16 years ago and one about six years ago. They are showing signs of wear. The three older bridges have been repaired during the past five years, but their life-span is limited. They are also relatively narrow, and two of the three are in awkward positions which do not lend themselves to substantial improvement. The newer bridge (the "Thurgood Bridge") is in good condition, but the steps down to it are exceptionally steep, and maintaining the fill of the steps is a problem. By contrast, two large culverts and a number of small culverts installed over the last five years have so far proved easier to maintain (although the smaller culverts can block easily). The pathways over the larger culverts are also wide enough to take tree-handling equipment if this is brought in, and horses.



39. Many of the drainage culverts and ditches were installed and dug on the basis of a detailed report by the Paths for All Partnership in 2009 commissioned by the Friends of Duchess Wood. Of the 37 recommendations in that report, those rated as "High priority" and most of those designated as "Medium priority" have been implemented, much of the work having been done by the A&BC Employability Team. This is a good example of how partnership working also furthers the social inclusion potential of work in the Wood. The ditching needs regular maintenance, and the upstream and downstream stonework on the smaller culverts needs occasional maintenance, all of which can largely be carried out by voluntary effort.

40. The **policy** is to continue to review and repair the remaining wooden bridges and maintain other crossings and drainage ditches and as the bridges approach the end of their usefulness and/or become unsafe, to replace them with wider, large diameter culverts (see photograph). The Thurgood Bridge, being only ever likely to be used for pedestrian access, will be maintained as a bridge.



41. A range of **actions** is envisaged in the short and medium term. In the short term, repairs will be required on the walkway of the north-east bridge. Depending on other action, in the short or medium term, that bridge and the bridge to the west of the Pony Field will be replaced by culverts. The south east bridge is likely to remain in reasonable repair in the short term. It is not essential for vehicular access to the peripheral path that it is replaced, but for ease of maintenance, a culvert will be advantageous in the medium term. However if the other two bridges are replaced by culverts, then the access into and out of the burn on the north side of the bridge will be graded to allow horses to cross easily. The Thurgood Bridge will remain, but the gradient of the access steps will be reviewed.

Signposting

42. There are six categories of signage in the Wood at present:

- Duchess Wood LNR signs
- Finger signposts, mostly at entry points
- LNR biodiversity information notices
- Numbered posts relating to sections of the schools teaching pack
- A stone marking the establishment of the Wood as a LNR
- Waymarkers.

The finger signs and teaching pack posts are starting to deteriorate and some have broken. The more recent robust welcome and information signs installed by Lower Clyde Greenspace remain in good condition. The LNR stone is slightly damaged and could be better located. There are at present no information boards showing maps of the Wood, nor any detailed information on the wildlife in the Wood, nor is the car park signposted.



43. The **policy** is to maintain the existing signage, and develop additional clear, helpful guidance to users of the Wood.

44. The **action** planned in the short term is to repair and where necessary replace all deteriorated signs and to introduce finger posts to new locations. (During the drafting of this plan a priority was to install a signpost at the path junction leading to the round town paths network and to Hill House and the National Park. FODW secured funding for this post, and installed it in November 2011 – see photograph). In the short term, a brown tourist sign will be requested from Rhu Road Higher to the car park, and signs with maps will be provided at each of the three main entrances. Depending on action taken in relation to the Pony Field area (see “recreation” below) in the medium term, the existing sign there, and the LNR stone will be relocated into one information area, where additional information signage describing the plants and animals in the Wood, will be provided.

Horse riding route

45. Horse riding is permitted in the Wood and follows the Scottish Outdoor Access Code (2004). A preferred horse trail has been discussed in the past, but it has not been possible to provide this facility. Given the relatively small size of the Wood, and the need to maintain the “refuge” nature of the central part of the Wood, a separate horse trail raises problems. Equally, mixing horseriders, walkers and dogs on paths which have not been designed for horse riding also brings potential difficulties. At the same time, some of the proposed access developments (such as the provision of culverts rather than bridges) should make riding around the wood easier. No clear **policy** on this issue has emerged, and at present the **action** planned is to consult further to try to determine the best way ahead which balances the needs of all users.

Maintenance

46. The **policy** in relation to maintenance is to make sure that the Wood as a whole is kept in a safe condition for users, while respecting the semi-wild character of the LNR, and that access ways and equipment provided in the Wood are kept in good condition. Many aspects of the maintenance function have been mentioned above, which can be divided into two broad categories: emergency rectification and safety, and routine maintenance.

47. Emergencies, some minor, some significant, arise for a number of reasons.

Recent examples have included path erosion due to excessive rain, a rotted gatepost, vandalism and, most dramatically, wind damage from exceptional storms. Responsibility for the management of the Wood rests with A&BC and safety is a fundamental part of that duty. Much of the crisis maintenance is carried out by A&BC and LCG. FODW regularly liaises with the police, fire and other services, and provides a safeguarding function, rectifying what is within its capacity and reporting to the appropriate authority anything that is not.



48. A routine maintenance schedule, attached as Annex 7, has been approved by A&BC and the local environment services section of the Council has the responsibility to apply it. The schedule recognises that routine maintenance is very much a partnership activity. A&BC regularly empties the litter bins placed at all four entry points to the Wood. FODW not only carries out daily clearance of litter beside paths, but periodically holds a litter sweep deeper into the Wood. A&BC then arranges to collect the findings. Bins are generally well-used by the public, including scooping by most dog-owners. However there are continuing problems with dog scoop bags being left for later collection by some owners and then forgotten. Other maintenance includes FODW strimming beside the picnic benches and cutting back undergrowth, especially over and around paths. FODW and the A&BC Employability Team clear culverts to protect paths, especially at the leaf fall in the autumn.



49. In general the **action** envisaged for the 2012-16 MP will focus on dealing with any emergencies that arise, continuing the present level of regular maintenance in line with the agreed schedule, and undertaking specific action identified in earlier sections; these specific actions are brought together in the Action table below.



Research

50. The 2007-11 MP and the research undertaken so far (summarised in paragraph 14) help to understand the diversity of life in the Wood. The **policy** for the next five years is to encourage and undertake further research in the Wood to help understanding of:

- Which species might need protection
- Which species might need to be controlled
- How greater biodiversity can be encouraged
- How the Wood relates to the local community and to tourism

51. In terms of **action**, a survey of the surface geology and soils is needed to assist in the selection and replanting of native trees, and more generally to help in understanding the distribution of plants in the Wood and how this might be better managed.

52. In addition, we will undertake surveys of:

- the rookery population
- mammals
- other animals (reptiles, amphibians, etc)
- insects and spiders
- water-living species
- and continue to update and extend the existing species checklists.



The short term priorities will be the rookery, mammals, particularly bats, and butterflies/moths. Bats are a European Protected Species, and like the other priorities for surveys, will have to be considered in the context of adjacent woodland and other habitats. It is difficult to predict at this stage what the most appropriate priorities might be in the medium term.

53. It is likely that specialist advice or support will be necessary to help plan and undertake this work, and contact has been made with the Bat Conservation Trust, and Butterfly Conservation, both of whom have been supportive of this work. We hope that this essential research can involve local schools and colleges and volunteer groups, and significantly enhance the educational value of the Wood.



Education and recreation

Education

54. The educational value of the Wood has been long appreciated and the **policy** over the five years of this plan will be to develop further both the support which the Wood can give to education and the support that education can give to the Wood. It is important for the long-term management and use of the Wood that children become involved and interested in the Wood from an early age. It should be noted that "education" does not refer only to children since information for adults is as important (see para 55).

55. An Education Pack aimed at primary schools was developed some years ago by the Forestry Commission Scotland and primary schools visit the Wood for a range of activities including classroom-linked learning; the Pack now needs revision and re-launching. One of the two local secondary schools uses the Wood regularly for small-scale sporting and developmental activities such as orienteering and team-building, and discussions have taken place with the other secondary school to identify how their pupils could also benefit from the resources offered by the LNR. Local colleges and universities have used the Wood for project work. There should also be opportunities to use the Wood in rural skills courses, and in the art and science parts of the curriculum.

56. The other side of the coin is the contribution that pupils and students can make to the maintenance and development of the Wood. For example, primary school pupils

have assisted in gully clearance and litter sweeps, a secondary pupil has assisted in the preparation of the FODW Flowers checklist, and university students have carried out mapping activities. There are many ways in which teachers, pupils and students of all ages could assist further, particularly in relation to survey work, identifying species in need of protection, building nest boxes, preparing signs and maps, IT developments, and general environmental improvement work. These kinds of activities can also contribute to the "Volunteering" element of the Duke of Edinburgh's Award Scheme. The Wood has also been regularly used by scouts, guides, cubs and brownies and this should continue.

57. Education and lifelong learning for adults of all ages is also important. The checklists have attracted broad interest and local groups such as the Natural History Society have used the Wood. Tuition sessions have been organised by FODW about topics including edible fungi, plant identification and foraging, while others value the Wood to hone interests such as ornithology or painting.



58. **Action** will be taken over the five years of the plan to help improve the educational value of the Wood for teachers, pupils, students and adults of all ages. Steps will also be taken to encourage greater involvement by local schools and colleges in supporting the work to improve the woodland described in this Plan.

Recreation

59. It is important to emphasise that the Management Agreement requires A&BC to "preserve and enhance the appearance of the Managed Land, and to promote the enjoyment of the countryside by the public". The Wood has been enjoyed and used for recreation by local residents and visitors for many years. As a recreational facility, the Wood is very successful, and FODW have received many complimentary comments on the attractiveness of the Wood. Earlier work suggested a minimum figure for visitors of around 100,000 a year and this figure does not seem too fanciful. Most visitors come simply to walk (especially with dogs), but running, cycling, horseriding, bird watching, foraging, painting, photography and general appreciation of the environment are enjoyed by many visitors. Children enjoy a range of more vigorous activities, such as den and dam building, tree climbing, paddling and leaping burns, and collecting cones and leaves. An increasing number of tourists use the Wood and its paths are now linked to the round-Helensburgh footpaths network, and the 50km Three Lochs Way from the south to the north of Loch Lomond via Helensburgh.



60. In terms of **policy**, this Plan expects that activities will be small-scale, involving individuals, families or other small groups, and that organised activities, other than those involving schools, will be kept to a minimum and cleared through the DWLNRC. It is also intended that recreational facilities such as tables, benches and information signage will be confined to the vicinity of the main paths and the Pony Field area.

61. The Pony Field in view of its open, level nature, and its proximity to the car park and rugby pitches may offer an opportunity to create a small recreational area with enhanced facilities, such as a form of shelter and some natural play facilities, as well as information boards (perhaps supported by a mobile phone application, an "App") and current species records (for example of bird sightings). It is recognised that such facilities might be difficult to guard against vandalism, but at least at this stage in the planning process, we think it appropriate to consider them. Also, the edges of the Pony Field could be treated as an extension of the boundary transition zones discussed earlier and appropriate flowering and fruiting trees such as crab apple, rowan, wild cherry, blackthorn and hawthorn planted to provide additional food sources for birds and animals and better opportunities to observe wildlife. In the longer term other suitable cultivated fruit trees might also be planted. As mentioned earlier some sensitive improvements to the area will be necessary if the pony field is to develop in this way, such as limited leveling of the site, and control of the extensive bramble patch on the east side. We will also consider encouraging photography, painting and wood sculpture and displaying the results. Fixed point photography to record the changing seasons and changes in habitats may be valuable both artistically and from a diversity management point of view.

62. The "promotional" aspect of the Management Agreement is also important, particularly in terms of reaching those who might benefit from the recreational and educational opportunities presented by the Wood. FODW produce regular newsletters, publish two leaflets and maintain a website (www.duchesswood.org.uk) which give a lot of background information on the Wood, and information on activities. Good relationships have been established with the local media who have given excellent coverage to activities in the Wood.

63. In the short term **action** will focus on maintaining the existing facilities and examining the possibility of developing the Pony Field area further (while completing hawthorn hedging work begun earlier), which could be pursued in the medium term. In relation to promotion, the existing sources of information will be used to try to reach a bigger audience and publicity through the local media and national organisations enhanced.

In the end

64. A suggestion has been made that a small part of the Wood might be set aside for the scattering of cremation ashes. This has philosophical attractions, recognising the circle of life in an environment where life is constantly being renewed. It might also have mercenary attractions if donations or fees could help offset other costs in the Wood. However the Wood is relatively small and well used and local residents and visitors might be sensitive to such use. In the short term, informal consultation will take place to gauge reaction to the idea.

Voluntary effort

65. While the primary management responsibility rests with A&BC, much of the progress which has been made in the Wood in the past has depended on a wide range of voluntary effort, and it will be essential to support and encourage this over the period of this MP, and beyond. Many of the earlier paragraphs of the MP describe the work that volunteers have undertaken much of which has been led and organised by FODW, supported by several other local volunteer groups. We are committed to working closely with voluntary groups, particularly FODW, on the delivery of this MP and we will continue to take **action** on behalf of A&BC to support the work of FODW and other local voluntary groups. Direct support for insurance costs of FODW will continue to be covered by

A&BC. FODW will be represented on the DWLNRC and will coordinate volunteer input to the Committee. More generally, local groups will, where necessary, coordinate their activities and priorities so as to make as efficient and effective use of resources as possible. We will alert groups to opportunities to secure funding and for training and development.

Long-term objective	Medium term objective	Policy	Action (priorities in bold)	Comparison
<p>1. To manage the Wood so as to maintain and enhance its semi-natural broad-leaved habitat, and conserve and improve its biodiversity.</p>	<p>Continue to restructure the woodland to a more native composition and condition.</p>	<p>To manage the Wood so as to protect and enhance its biodiversity and its landscape value, while providing suitable public access.</p>	<p>Secure professional support to advise on woodland management. Fell standing deadwood near paths and where necessary create additional standing deadwood. Protect and retain native trees, unless they become unsafe near to paths. Thin native trees in some areas. Create open glades around the peripheral path.</p>	All
	<p>Establish a programme of selective thinning of sycamore and beech, accompanied by planting or replanting of native species. This is potentially a very long term-action which will need to be carefully managed.</p>	<p>Identify a number of mature sycamores for retention as specimens and plan the progressive removal of the rest of the sycamore. The very large and old beech trees around the boundaries should be protected and retained. Beech should be allowed to regenerate in a managed way in the north west corner where the mature trees are concentrated.</p>	<p>(i) identify mature sycamore to be retained (ii) cut back regrowth and saplings near peripheral path (iii) treat or manage to prevent regrowth (iv) seek funding and professional support to clear-fell designated coups (v) re-plant cleared areas with appropriate native trees. A small number of other semi-mature beech trees will be identified for retention and protection, while the remaining trees will be removed at the same time as other operations are being carried out in the area.</p>	All 4, 7
	<p>Eradicate rhododendron and Japanese knotweed and reduce other non-native invasive species. Monitor invasive native species.</p>	<p>Remove rhododendron bushes progressively throughout Wood, beginning on west side. Chemically treat or physically inhibit regrowth. Remove and chemically treat Japanese knotweed.</p>	<p>Remove rhododendron bushes progressively throughout Wood, beginning on west side. Chemically treat or physically inhibit regrowth. Remove and chemically treat Japanese knotweed.</p>	All 6b, 9a, 11a

	<p>Assess the biodiversity of habitats and species in the Wood (All woodland management objectives are all intended to contribute to the improvement of biodiversity.)</p>	<p>Improve understanding of the biodiversity of the Wood, protect existing habitats and species and consider how habitats can be improved.</p>	<p>Monitor and take action to control laurel and lamium when opportunities arise.</p>	<p>1b, 5c, 6b, 8a 4b, 7a/b</p>
	<p>The management of the Wood should take into account the safety (and to an extent the amenity) of neighbouring residents, and residents should be encouraged to respect and support the Wood.</p>	<p>Specific action will be considered in relation to plants; mammals, particularly bats; insects; and birds.</p>	<p>Take action when necessary to control bramble and bracken.</p>	<p>All</p>
<p>Establish a strategy and action plan for the Wood boundaries</p>	<p>The management of the Wood should take into account the safety (and to an extent the amenity) of neighbouring residents, and residents should be encouraged to respect and support the Wood.</p>	<p>Carry out a thorough boundary survey, and fell or lop trees identified as particularly dangerous.</p>	<p>Begin to establish a transition zone between Wood and gardens</p>	<p>1c, 5bcd, 6ab, 11a</p>
<p>Increase the "woodland corridors" between Duchess Wood and other nearby woodlands.</p>	<p>Encourage the establishment of additional woodland, particularly on the western boundary of the Wood.</p>	<p>Organise a campaign to help improve understanding of how neighbouring residents can help protect and enhance the Wood.</p>	<p>Organise a campaign to help improve understanding of how neighbouring residents can help protect and enhance the Wood.</p>	
		<p>Explore opportunities in relation to neighbouring land.</p>	<p>Explore opportunities in relation to neighbouring land.</p>	
		<p>Look for opportunities to lobby for the establishment of additional woodland.</p>	<p>Look for opportunities to lobby for the establishment of additional woodland.</p>	

	Investigate the use of timber from the Wood.	Timber which is generated in the Wood as a result of storm damage or deliberate felling, and which is not needed to aid biodiversity, can be removed in support of the Management Plan objectives.	<p>Establish a means of safely gathering and securely storing wood. Investigate partnership working with local firewood suppliers or of selling firewood directly.</p> <p>Establish links with local craft workers so that hardwoods can be made available for turning etc.</p>	
2. To provide and enhance provisions for public access.	Provide clear signing to the Wood and around the main paths.	Signage should be clear and appropriate to the woodland setting	<p>Investigate other uses of wood products, such as charcoal production.</p> <p>Provide signage from Rhu Road Higher to car park.</p> <p>Provide colour-coded posts to indicate main routes round Wood, and incorporate these in maps of Wood.</p>	

	<p>Create no new paths (with one possible exception), but improve existing constructed paths particularly at burn crossing points</p>	<p>Provide relatively undisturbed "refuges" for wildlife. Paths should be as natural as possible, and support the semi-wild nature of the Wood. "Constructed" paths should be well made, well drained and mud-free", whereas "informal" paths should be left as they are.</p>	<p>Investigate possibility of making new all-abilities path from area of Strathclyde Court garages to car park, so that the all-abilities route becomes circular. Encourage use of the main peripheral paths (by improved signing and information – see other objectives).</p>	
<p>3. To maintain access ways and other facilities used by visitors.</p>	<p>Maintain paths and drainage, and other facilities in the wood.</p>	<p>Ensure that the Wood as a whole is kept in a reasonably safe condition, while respecting its semi-wild character, and that access ways and equipment provided in the Wood are kept in good condition.</p>	<p>Progressively replace S Bridge, SW Bridge and NE Bridge by suitable culverts. Improve grading at Thurgood Bridge, NE Bridge, and S Culvert.</p>	
	<p>Maintain the Wood through regular inspection, repair, and safeguarding</p>	<p>As above.</p>	<p>Resurface the all-abilities path and the car park.</p> <p>The three remaining wooden bridges on the peripheral path (NE, SE and SW) will be maintained until they can be replaced. Drainage channels and culverts will be maintained. Benches and tables will be maintained.</p> <p>Regular inspections and safeguarding will continue, supported by regular and ad-hoc FODW work parties. Litter clearance and reporting problems to emergency services and others.</p>	

<p>4. To encourage and publicise research.</p>	<p>Encourage research into the Wood's plants and wildlife and publish the results</p>	<p>Identify:</p> <ul style="list-style-type: none"> - which species might need protection, or might need to be controlled; - how greater biodiversity can be encouraged; - how the Wood relates to the local community and to tourism 	<p>Investigate sources of information on surface geology and soils.</p> <p>Undertake surveys of:</p> <ul style="list-style-type: none"> • the rookery population • mammals (particularly bats) • other animals (reptiles, amphibians, etc) • insects and spiders (particularly butterflies and moths). • water-living species. <p>Continue to update and enhance the existing checklists.</p>
<p>5. To encourage and promote education and recreation.</p>	<p>Enhance the use of the Wood for educational purposes.</p>	<p>Develop further both the support which the Wood can give to education and the support that education can give to the Wood.</p>	<p>Improve the educational value of the Wood for teachers, pupils, students and adults of all ages. Encourage greater involvement by local schools and colleges in supporting research, and protecting and enhancing the Wood.</p> <p>Revise and relaunch the Education Pack aimed at primary schools.</p>

	<p>Establish policies for recreation which take account of the different needs of users.</p>	<p>Activities will be small-scale, involving individuals, families or other small groups, and that organised activities, other than those involving schools, will be kept to a minimum and cleared through the DWLNRC.</p>	<p>Survey visitors to get a better understanding of numbers and needs.</p> <p>Maintain the FODW website and publish information leaflets. Promote the Wood as a valuable community recreational resource.</p> <p>Establish and promulgate guidance on cycling and horseriding.</p> <p>Examine the possibility of developing the Pony Field area further as a central location for information and recreation information.</p>	
<p>6. To support voluntary involvement.</p>	<p>Support voluntary effort to protect, maintain and enhance the Wood and its facilities.</p>	<p>While the primary management responsibility rests with A&BC, voluntary effort will be essential in the Wood.,</p>	<p>Support the work of FODW and other local voluntary groups. Direct support for insurance costs will continue to be covered by A&BC. FODW will be represented on the DWLNRC.</p> <p>Local groups will, where necessary, coordinate their activities and priorities.</p> <p>Groups will be alerted to opportunities for training and development.</p>	

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Duchess Wood Local Nature Reserve Committee

MANAGEMENT PLAN 2012-16 Annexes 1-7

for the

DUCHESS WOOD LOCAL NATURE RESERVE

Helensburgh

Argyll and Bute



(Draft 20.07.2012)

ANNEX 1

Ecological evaluation using the Ratcliffe (1977) criteria

(This is a summary of the sections in the 2007-11 5YP which were based on the long established and widely accepted method of determining the nature conservation value of a site known as the 'Ratcliffe Criteria' (Ratcliffe, 1977). The Ratcliffe Criteria provide a standardised and objective way of assessing the value of a site using the following ten attributes: Size, Naturalness, Representativeness, Rarity, Diversity, Position, History, Fragility, Potential value, and Intrinsic appeal.)

Size

At 22.99ha, Duchess Wood LNR is a significant remnant of Semi-Natural Woodland, parts of which are most probably of ancient origin, in a largely urban landscape although its initial extent is currently unknown. Although classed on the SNH Ancient Woodland Inventory as of Long Established Plantation Origin (LEPO), this assessment is based on the Roy Maps of 1750 which were prepared for military purposes and thus woodlands not of military importance were often not mapped. Maps by John Ross, 1777 and J Thomson & Co, Edinburgh 1820 show mature tree cover along burnsidings south of the Highlandman's Road, although their precise location is confusing on maps of this age and scale. The 1st Edition Ordnance Survey 25" map for 1860 (See Annex 6) shows the Wood almost as it is today, except for a small extension in the NE corner which seems to have occurred when the west Highland railway line was built. The older maps also show the woodland as possibly part of the designed landscape of Ardencaple Castle grounds.

Duchess Wood LNR is a small site in a large urban setting and as such is vulnerable to edge effects. Edge effects include issues such as small losses of woodland to developments, erosion, pollution, unauthorised changes in boundaries, which, if allowed to continue unchecked, can accumulate and reduce woodland size and cover over time. Any impact that reduces the size and extent of woodland cover will reduce the value of the woodland. At the same time there are beneficial edge effects associated with the garden habitats and the food and shelter found there - either naturally occurring or provided by the residents. The sports fields too, with their grass edges and insect life, can also provide support for wildlife. What is needed is an approach which looks to support boundary relationships for the environmental and biodiversity benefit of the Wood and its neighbours.

The size of a woodland has a direct impact on its ecology and, put simply, the larger the size, the more functional the woodland is in ecological terms. Greater size allows woodland specialists to persist, and provides territory opportunities sufficiently large to support a wide variety of flora and fauna. This in turn enables healthy populations to interbreed and secures genetic variation in species. It also means that specialist woodland species do not need to run the risk of moving across potentially dangerous non-wooded areas to reach new territories or locate food sources.

Many woodlands of this type are found as very small remnants, often highly degraded and quite often entirely isolated from similar woodland remnants. The size and therefore importance of Duchess Wood should also be viewed with regard to its connectivity to adjacent and other nearby woodland which, when taken as a whole, significantly increases its overall size and thus nature conservation value. It is also very valuable due to its setting on the edge of Helensburgh, providing a larger than average asset for interpreting woodland and natural heritage values to a wide audience which, if located further from the urban setting, would not be possible. This plan also identifies opportunities in the longer term for expansion of the Wood and improving connectivity, which could have a significant impact on the conservation value of the Wood.

Diversity

The diversity of Duchess Wood is high with three woodland communities identified within its boundary. The landforms, soils, hydrology and lack of high intensity modern management have resulted in a woodland that today provides a wide variety of habitats for both specialist and generalist species of flora and fauna. The mosaic of these differing habitats across the site results in a very varied and thus valuable asset in nature conservation terms across an area that is larger than average in an urban setting. Woodland of this size and diversity of communities could, and probably does, support a number of species of conservation interest, and more research is needed to identify conservation priorities in the Wood.

Naturalness

The assessment of naturalness is intimately connected to the assessment of woodland origin. The site can be classed as a combination of ancient and planted woodland. The overall character of the current woodland is semi-natural in most areas and native with remnants of non-native underplanting and self seeded Sycamore.

For the purposes of this evaluation, naturalness is measured by assessing the combination of woodland character, how long internal woodland conditions are likely to have prevailed, and, whether human impact has been detrimental to the functional ecology of the woodland and other habitats contained within it over time.

There is a strong association between the distribution of some plants and the history of woodland sites. The National Vegetation Classification (NVC)¹-based survey of the Wood (see Annex 2) which was part of the 2007-11 MP identified that several of the species present in the Wood are woodland specialists that require continuous woodland interior conditions over long periods of time and are considered to be indicators of ancient woodland (Kirby et al 2005). These include Bluebell (*Hyacinthoides non-scriptus*), Wood Sorrel (*Oxalis acetosella*), Dog's Mercury (*Mercurialis perennis*), Water Avens (*Geum rivale*), Holly (*Ilex aquifolium*), Great Wood-rush (*Luzula sylvatica*), Red Campion (*Silene dioica*), Herb Robert (*Geranium robertianum*), Hard Fern (*Blechnum spicant*), Ivy (*Hedera helix*) and Honeysuckle (*Lonicera periclymenum*). These plants are distributed across the site, although some are localised, which suggest that woodland interior conditions have been present over a long period of time.

Although subject to many years of recreational use, commercial underplantings and the regeneration of Sycamore, the woodland groundflora in the majority of areas still survives intact and in fairly good condition with composition and abundance levels as one would expect for such woodland types. Recreational use has in the past impacted on some path edges through visitors avoiding wet areas and thus widening paths through usage (braiding). However, work has been undertaken to improve paths and their edges and this damage is localised in informal path areas. Where braiding has ceased, groundflora recovery has been excellent.

The commercial underplantings may include some specimens of Norway spruce in Compartment 4 and Scots pine in Compartment 11. The Scots pine however constitutes most of compartment 11, along with some oak, ash and birch. Holly, Elder, Hawthorn, Hazel, Bramble and Honeysuckle occur in the understorey and evidence site suitability to support native broadleaved woodland. Any operational activities within Compartment 11 need to consider the established Rookery and, although not subject to statutory protection, operations should only be implemented outwith the bird breeding season to avoid disturbing the population unnecessarily. Management of some of the younger broadleaved trees and restocking over time with more appropriate species should however be considered as a long-term objective to increase the diversity of tree, shrub, groundflora and fauna species on the site.

The nature conservation values of the site were assessed as medium to high in the 1997 management plan. The impact of human activities has not been so significant as to reduce the overall conservation values and future potential of the site and the Wood functions very well in terms of woodland and landscape ecology. Encouraging the use of the peripheral paths for most users of the Wood has helped the main blocks of woodland to remain relatively undisturbed. Active management has aided the conservation of the woodland and secured its status as a long established woodland for the foreseeable future. General trends in woodland recreation show that use is increasing year on year, so continued active management in Duchess Wood is considered essential to secure its long-term survival in an urban setting. Active planning and management will provide the necessary framework to balance nature conservation and public access objectives and ensure the site is sustainably managed to increase both biodiversity and social benefits.

In conclusion, the woodland is considered to be essentially semi-natural using the above identified criteria, despite human intervention, giving it a significantly high nature conservation value in an urban setting.

Rarity

The rarity of the Atlantic oakwoods is well documented and researched. Atlantic oakwoods are identified as habitat of high importance in the European Union's Habitats Directive. The oakwoods are restricted to the Atlantic coastal fringes of Britain, France, Ireland and Spain. They are described in the UK Biodiversity Plan as 'upland oakwoods', and are recognised as Britain's temperate rainforest.

Duchess Wood provides a more lowland example of Atlantic oakwood types, displaying a different character to the more exposed lichen-rich upland examples. Nonetheless, its rarity in global terms is recognised by all relevant authorities and its conservation value is significant.

Nature conservation value is added to the Atlantic Oakwood by the wet woodland types, the Upland Mixed Ashwood (W9) and Wet Woodland (W7) that together form an intricate mosaic of priority habitats across the site.

Refer to Diversity section below for rare species of conservation interest.

Fragility

Fragility is measured as a habitat's susceptibility to change. The inherent nature of woodland habitat, the specialist species it is composed of and supports, the intricate symbiotic relationships that occur between species means it is highly fragile and not robust against change.

The community relationships are often so closely interlinked from mycorrhiza in the soil to specialist invertebrates in the canopies, that if one species or population is removed, it could have serious implications for the community as a whole.

Duchess Wood has been subject to various types of management intervention in the past which have impacted on local ecological processes but not to the extent that ecological functionality has been impeded. However, it is currently fragile through neglect of invasive non-native species and inappropriate access in various areas.

Duchess Wood LNR, although large in terms of urban woodland resources, is fragile due to its small size in wider urban landscape terms. Surrounding urban development and other urban land uses can put unsustainable pressures on this type of site through imposed isolation, litter/fly tipping and inappropriate methods of access. Care is therefore required to ensure that such pressures are limited. Any loss of woodland cover

to further urban or other developments would have significant negative impacts on the woodland.

Typicalness/Representativeness

Duchess Wood LNR is a typical example of Atlantic Oakwoods, Upland Mixed Ashwoods and Wet Woodlandsⁱⁱ in an intricate mosaic. It may in fact be one of the better, less modified examples as the limited planting activities have not disrupted the wider functional ecology of the site. The site is therefore somewhat less typical of this type of woodland due to its less modified state which significantly increases its nature conservation value. The woodland does show typical successional characteristics, including those represented by a significant sycamore component which results in a decline in native groundflora.

Plant community composition is that typically expected for each of the types identified, and each community is fully represented with both the frequency and abundance of the characteristic species assessed as excellent.

(Included in this section in the 2007-11 MP were references to bluebells (included in Schedule 8 of the Wildlife & Countryside Act), and to Maidenhair spleenwort and two types of sub erect bramblesⁱⁱⁱ as being uncommon species present in the Wood. This whole issue of protected species in the wood needs a more detailed review, as the array of controls seems very complex. The Bullfinch, for example, which is present in the Wood, is a UK Priority Species - on UKBAP.)

Position in Ecological Unit (Landscape Ecology)

The importance of landscape ecology with the emphasis of policies orientated towards integrated land management is now recognised and non-isolation from similar populations and the distances between them therefore cannot be underestimated. In this situation, Duchess Wood performs an important role in local landscape ecology. Its extent and shape provides an excellent refuge for specialist woodland species. Although it is bounded by urban housing to the east and south and a railway line to the north, it connects (across/under the railway) to Ardencaple Wood to the north, following the burn, essentially creating a much larger continuous woodland habitat. There may also be an opportunity to connect Duchess Wood with the broadleaved woodland directly to the west above Torwoodhill, which would create a continuous woodland cover of approximately 50-60ha.

Duchess Wood LNR is the most significant remnant refuge from which populations can expand to facilitate genetic outbreeding within these other smaller woodland remnants, thus making it important in nature conservation terms.

Recorded History

The area of which Duchess Wood is a part is has for many years been part of the Ardencaple estate^{iv}. The estate was sold in 1767 to John, 4th Duke of Argyll who bestowed it on his son Lord Frederick and on his death, it passed into the possession of Lord Frederick's nephew, Lord John Campbell, who in 1839 became the 7th Duke and moved to Inverary, but retained ownership of the Ardencaple estate. On his death, in 1847, his wife Ann(e), the Dowager Duchess of Argyll, moved back to Ardencaple Castle, where she lived for a number of years. The estate was sold to Sir James Colquhoun in 1862, and it is assumed that the Dowager Duchess moved elsewhere; she died in 1874. Local research suggests that Duchess Wood may be named after Ann. It is worth noting this history here, as improvements in the Wood, and some of the specimen tree planting, may date back to this 15 year period from 1847-62.

In the year in which this updated plan comes into effect, 2012, the wood will have been in the ownership of the Colquhouns of Luss for 150 years. Unfortunately, Luss Estate records were largely destroyed in a fire some years ago, and it has not so far been possible to investigate the history of the woodland area in any detail. Old maps have been consulted (Appendices 7, 8 & 9) and although woodland cover is shown on the area of the site, it appears to be restricted to the riparian areas along the eastern and western boundaries. The trees also appear to be associated with Ardencaple (Castle) Estate on maps drawn by Charles Ross, 1777. The 1898-1904 OS map appears to show the boundaries of the Wood almost exactly as we know them today, except that the northern boundary is defined by the old stone dyke, which is still there. Further research into the history of the estate would help confirm the longevity of the woodland, and throw light on its ecology, and might also reveal when the various stone dykes were built.

It is also worth referring to another aspect of the history of the Wood, namely that a branch of the Highlandman's Road from Glen Fruin to the coast passed down the Ardencaple Farm road, then through the Wood, roughly following the east side path, over the stone bridge roughly half way down the path. Little is known of this route, but research might reveal when improvements took place and the bridge was built.

Potential value

Value is often associated with the restoration potential of woodlands where previous use or management has had a degrading influence. The composition and condition of much of Duchess Wood can be classed as excellent, and the potential value of the woodland as a whole could be increased significantly by a more positive approach to woodland management to progressively remove invasive species (including sycamore) and re-establish a more appropriate woodland mix.

In terms of recreation, the site has high value due to its proximity to Helensburgh and Rhu and its attraction to tourists. The paths in the wood have been linked in to the wider footpath network to the west and north and work on these links will continue during the period of this updated plan.

In terms of education, the site is already subject to use by the local schools, and it is hoped that this can be increased. The provision of adequate high quality interpretation will also increase the educational value of the site to a wider informal audience.

The Wood also offers valuable opportunities for research, to build upon the work that has already been done. This will help in the enhanced management of the Wood.

Intrinsic Appeal

The intrinsic appeal of particular locations is subjective by nature. In this instance, the assessments above have identified intrinsic appeal values on several levels.

The woodland has significant value to the local community, evidenced by the heavy use it receives and the interest shown by the community when the Local Nature Reserve consultation was undertaken. The woodlands' accessibility and proximity to Helensburgh and Rhu adds appeal as it is accessible on foot to the local population. The size, composition, condition and nature of the woodland also means that the visitor experience is one of semi-wilderness rather than urban woodland and although sounds from the town are heard, the isolation and effect of muffling provides for a relaxing, healthy and interesting visit.

A land use consultants' report commissioned by LCG on open spaces identified 51 open spaces in and around Helensburgh. Duchess Wood was one of only four spaces recorded as "most valued" and one of only eight assessed as "important".

The Scottish Biodiversity List includes social criteria identified in a 2005 survey which indicate the species and habitats which were most important to the Scottish public.^v The Wood has three of the top ten animals, including the No 1, roe or red deer, and seven of the top ten plants; woodland is ranked three in the habitat list with rivers and streams at five. This gives a sense of the overall intrinsic appeal of the wood.

The improvements to the Wood's paths now provide a link from the south-west of Helensburgh to the round-town network of countryside paths created during the past 15 years through initiatives of the Helensburgh Green Belt Group, the Access Forum / Trust, Lower Clyde Greenspace and the Employability Team, with the support of relevant landowners. The Green Belt Group's leaflet "The Countryside Around Helensburgh" and the Access Trust's footpath map illustrate the progress that has been made. It also now provides access to the new 50 km Three Lochs Way.

The location of Duchess Wood LNR in the urban landscape provides ideal opportunities to link woodland and access management with wider social inclusion agendas such as the provision of all ability access routes, local, regional and national social health and fitness programmes and environmental volunteer health groups such as the Green Gym initiatives. The woodland also has significant value in terms of landscape character, providing a green wooded backdrop for Helensburgh and making the immediate housing estates more pleasant places to live. The history of Duchess Wood provides linkages with the past and provides glimpses of historical woodland management techniques such as coppicing.

Annex 2

THE NATIONAL VEGETATION CLASSIFICATION: GROUND VEGETATION & ENVIRONMENTAL ATTRIBUTES

The 2007-11 MP contained a section detailing the results of a survey of the wood, using the National Vegetation Classification (NVC) framework. A summary of this description is given below as it will continue to inform the management of the Wood during the next five year period and beyond. The "W" prefix denotes a particular woodland classification.

W7 Alder-Ash-Yellow pimpernel woodland (*Alnus glutinosa* – *Fraxinus excelsior* – *Lysimachia nemorum*)

Sub-community W7b-c: **Tufted Hair-grass** (*Deschampsia cespitosa*)

Origin & Structure

This sub-community is typical of moist to very wet mineral soils and often occurs in wet flushes on slopes where drainage is temporarily impeded and is associated most with gradation to neighbouring W11 Oak and W9 Ash woodland types around the banks of burns. Alder rarely entirely dominates and tends to occur with Ash, Downy birch and Sessile Oak dependent on very local flushing.

Overstorey Species and Age Classes

Alder, Ash, Sessile Oak. Aged between 5-50 years.

Size Classes

Size classes range from seedling regeneration and pole stage examples to mature specimens at approximately 20m. The canopy has quite a low character in places although individual Oak and Ash are reaching 25m.

Sub-storey structure

The sub-storey is excellent in small pockets with Rowan, Hazel, Elder and Birch occurring frequently. An odd Sycamore is also present but does not dominate as it does in other areas of the wood.

Under-storey composition

The under-storey is more sporadic, although younger Hazel and Rowan occur. Some are low growing neglected coppice stools.

Ground Layer

The ground layer is typical for W7c type communities. Tufted Hair-Grass (*Deschampsia cespitosa*), Wood-Sorrel (*Oxalis acetosella*), Broad Buckler Fern (*Dryopteris dilatata*), Meadowsweet (*Filipendula ulmaria*), Holly (*Ilex aquifolium*), Great Wood-Rush (*Luzula sylvatica*), Wood Horsetail (*Equisetum sylvaticum*), and Wild Honeysuckle (*Lonicera perclymenum*) occur frequently. Dense pockets of Dog's Mercury (*Mercurialis perennis*) provide linkage to W9 Ash types in intricate mosaics.

Threats and Trends

Invasion by *Rhododendron ponticum* presents an immediate threat as this will outcompete and shade all native flora, acidifying soils over time. There are some quite large areas of rhododendron within the Wood, mainly in compartments 4 and 8. Invasion by Japanese Knotweed (*Polygonum cuspidatum*), present on the car park burn, and in a few other small pockets will have similar effects to *Rhododendron* but poses a more serious threat due to its highly invasive nature and ability to spread rapidly by rhizomes. Laurel (*Prunus lusitanica*) also occurs and although non-native and shade bearing, its ability to spread is not as great as the species named above. However, over time it can also cause a decline in native flora.

The above species are all present on site and require appropriate control; a start has been made in the current 5YP period, but further efforts are needed.

Trampling by woodland users is a continuing problem and can damage the groundflora. Where desire-lines have been created through persistent use, groundflora has in places been eradicated, leading to erosion in some areas and waterlogged pools in others.

W9 Ash-Rowan- Dog's mercury woodland (*Fraxinus excelsior-Sorbus aucuparia-Mercurialis perennis*)

Sub-community W9a *Typical sub-community*

Origin & Structure

This sub-community represents the most typical of the W9 woodland type. Ash dominates although Oak, Rowan, Wych elm and Birch are locally frequent. This woodland type is generally restricted to the immediate riparian areas, particularly the deeper gorges within Duchess Wood. It is also the dominant woodland type found in compartment 6 to the east which displays a very rich groundflora.

Over-storey Species and Age Classes

The over-storey has a distinct character dominated by Ash with less frequent Oak, Rowan and Wych elm. Willows and Alder occur in the wettest pockets within the community creating intricate mosaics with W7 woodland types.

Age classes range from seedling stage to 80 years.

Size Classes

In pockets, the Ash reaches 25m in height. Other species tend to appear closer to 15-20m in height which gives the canopy a distinct two layered appearance.

Sub-storey structure

The sub-storey consists of younger specimens of all the species in the canopy.

Under-storey composition

The understory is variable but includes Hazel, Holly, Rowan and occasional Birch in the drier areas, the wetter areas having a more open character.

Ground Layer

Ground flora is dominated by Dog's mercury (*Mercurialis perennis*), Wood sage (*Teucrium scorodonia*), Herb Robert (*Geranium robertianum*), Red campion (*Silene dioica*), Bluebell (*Hyacinthoides non-scripta*), Wood sorrel (*Oxalis acetosella*), Bramble (*Rubus fruticosus*), Wood aven (*Geum urbanum*), Barren

strawberry (*Potentilla sterilis*), Stinging nettle (*Urtica dioica*), Dog-violet (*Viola riviniana*) providing a rich and varied appearance. These species occur in very close association with both the Oak (W11) and Alder (W7) woodland types and create intricate mosaics across the woodland.

Some ferns, including Lady-fern (*Athyrium filix-femina*), Hard fern (*Blechnum spicant*), Male-fern (*Dryopteris felix-mas*) and Broad Buckler fern (*Dryopteris dilatata*) are frequent, particularly in more shaded and damp pockets.

A high frequency and abundance of liverworts, mosses and ferns gives a rich and 'green' appearance to the community in late season.

Threats and Trends

The spread of *Rhododendron ponticum*, Japanese knotweed (*Polygonum cuspidatum*) and Portugal laurel (*Prunus lusitanica*) may pose a threat if these species are not controlled.

W11 Oak-Birch-Wood sorrel woodland (*Quercus petraea* – *Betula pubescens* – *Oxalis acetosella*)

Sub-community W11a Broad Buckler fern (*Dryopteris dilatata*) sub-community

Origin & Structure

This is the most abundant sub-community found within Duchess Wood. It occurs from the north of the site to the south and appears in an intricate mosaic with more linear communities of W9 and W7 throughout. This community is rich in appearance although in many areas the abundance of shade bearing Sycamore has adversely affected the typical groundflora. Spring flowering species, such as Bluebell (*Hyacinthoides non-scripta*), Wood sorrel (*Oxalis acetosella*) and Wood anemone (*Anemone nemorosa*) are likely to be less affected due to their ecology which involves growth and flowering before trees are in full leaf. However, later flowering species appear less abundant than they would if Sycamore were not present.

Over-storey Species and Age Classes

Over-storey species are dominated by Oak with Rowan, Ash and Birch frequent. Non-native specimens include Norway spruce, sycamore, sweet chestnut, lime, beech and larch. The origin of the Scots Pine is unknown, but their character suggests non-native origin, perhaps German. Although present in the other NVC types, sycamore is most abundant in the oak woodland areas, that is to say that although sycamore may be the dominant canopy species, the groundflora is that of typical W11 oakwood.

Three large old Lime trees occur in compartment 5 that may have been planted adjacent to the old road that passed close by running north/south. An interesting layered, possibly ancient neglected coppice, of Sweet chestnut occurs on the western boundary.

Ages range from seedling (sporadic) to possibly 100+ years.

Size Classes

The average height of the canopy is 15-25m although this varies considerably throughout.

Sub-storey structure

Sub-storey species are less frequent than one would expect, most likely due to the competition from significant presence of sycamore. Where the sub-storey occurs, Rowan, Birch and Holly can locally dominate.

An area of Birch dominated coppice occurs to the west in Compartment 4. Although Birch dominates, groundflora indicates it is not a Birch woodland type, rather a Birch dominated pocket of W11.

Under-storey composition

Where the understory is not significantly affected by sycamore, typical species are abundant, particularly Hazel.

Ground Layer

The ground layer consists of sporadic Bracken (*Pteridium aquilinum*), with Bluebell (*Hyacinthoides non-scripta*), Wood sage (*Teucrium scorodonia*), Broad Buckler fern (*Dryopteris dilatata*), Bramble (*Rubus fruticosus*), Wood aven (*Geum urbanum*), Wood sorrel (*Oxalis acetosella*), Hard-fern (*Blechnum spicant*), Tufted Hair-grass (*Deschampsia cespitosa*), Foxglove (*Digitalis purpurea*) and Wild honeysuckle (*Lonicera periclymenum*), with oak, ash, hazel rowan and alder seedlings present.

Threats and Trends

Sycamore often occurs within this woodland type. However, it is not a native to Scotland, rather a naturalised species that, due to its prolific seeding capabilities and shade bearing form, often out-competes native woodland types and becomes the climax species over time. Although sycamore can provide some biodiversity benefit, it cannot provide the same level of benefit, even as a component, as an intact and ecologically functioning oak woodland.

Annex 3

ARGYLL AND BUTE LOCAL BIODIVERSITY ACTION PLAN 2010-2015

The A&B Local Biodiversity Action Plan (LBAP)^{vi} identifies woodland as a priority habitat and emphasises the vital role that woodlands play in conserving threatened plants, animals and fungi. The LBAP recognises that our woodlands hold one of the most diverse ranges of moss, liverwort and lichen communities in the world and are home to many important protected and priority species. Although focused on the opportunities created by the harvesting of commercial forests, the plan's vision of increasing woodland habitat networks to help reverse the pattern of habitat fragmentation that has occurred over the centuries is very relevant to the future management of Duchess Wood and to adjacent woodlands.

The LBAP identifies a number of factors limiting the biodiversity of forest and woodland ecosystems, including:

- Limited extent and fragmented nature of native woodland habitat.
- Lack of structural diversity and deadwood.
- Limited natural regeneration of some woodlands.
- Limited or inappropriate management of woodland, including woodland grazing.
- Spread of invasive species, particularly *Rhododendron*, which forms dense thickets that out-compete native shrubs and ground flora and casts a dense shade, beneath which lichens and bryophytes are unable to persist.
- Inappropriate woodland management, e.g. coppicing Atlantic oakwood and hazelwood.
- Climate change.

The LBAP also tabulates priority species against different types of woodland habitat; none of the plant priorities are known at present in Duchess Wood, and of the birds, the black grouse and the cuckoo are known in the vicinity. Four types of bat are listed, but the species occurring in the Wood are not known.

The Work Programme table in the LBAP includes a number of actions, some of which directly or indirectly may have an impact on this 5YP:

- Native woodland expansion
- Control of invasive species
- Native woodland survey of Scotland Forest education initiative (The local group is aiming to re-establish new activities.)
- The pearl-bordered fritillary survey 2010-2015
- Bat box project
- Fungi, lichen and bryophyte management advice
- Dead wood management advice
- Bryophyte and lichen ID training and surveys
- Woodland management advice.

Annex 4**CHECKLISTS OF SPECIES IN DUCHESS WOOD**

It should be noted that the FODW checklists are not exhaustive in coverage but are seen as evolving lists which can be amended at any time. Those concerning flowers, flowering shrubs, fungi and bryophytes are based on initial professional surveys (copies of reports available for inspection). Although some attempt has been made to cover seasonal changes, the potential for gradual extension of the checklists is a recognised feature. The lists are all available on the FODW website.

Bird Checklist

Common Name/ *Scientific Name*

Blackbird *Turdus merula*
 Blackcap *Sylvia atricapilla*
 Blue Tit *Parus caeruleus*
 Bullfinch *Pyrrhula pyrrhula*
 Buzzard *Buteo buteo*
 Carrion Crow *Corvus corone*
 Chaffinch *Fringilla coelebs*
 Coal Tit *Parus ater*
 Collared Dove *Streptopelia decaocto*
 Dunnock *Prunella modularis*
 Goldcrest *Regulus regulus*
 Goldfinch *Carduelis carduelis*
 Great Spotted Woodpecker *Dendrocopus major*
 Great tit *Parus major*
 Greenfinch *Carduelis chloris*
 Grey Wagtail *Motacilla cinerea*
 Jay *Garrulus glandarius*
 Long-tailed tit *Aegithalos caudatus*
 Magpie *Pica pica*
 Mistle Thrush *Turdus viscivorus*
 Pheasant *Phasianus colchicus*
 Pied Wagtail *Motacilla alba*
 Redwing *Turdus iliacus*
 Robin *Erithacus rubecula*
 Rook *Corvus frugilegus*
 Siskin *Carduelis spinus*
 Song Thrush *Turdus philomelos*
 Sparrowhawk *Accipiter nisus*
 Tawny Owl *Strix aluco*
 Tree Creeper *Certhia familiaris*
 Willow Warbler *Phylloscopus trochilus*
 Woodcock *Scolopax rusticola*
 Woodpigeon *Columba palumbus*
 Wren *Troglodytes troglodytes*

Bryophytes (Mosses and liverworts) Checklist

Scientific Name/Common Name

Amphidium mougeotii Mougeot's Yoke-moss
Aneura euromaxima (proposed name No Common Name)
Atrichum undulatum Common Smoothcap
Brachythecium rutabulum Rough-stalked Feather-moss

Calliergonella cuspidate Pointed Spear-moss
Calypogeia arguta Notched Pouchwort
Campylopus pyriformis Dwarf Swan-neck Moss
Cephalozia bicuspidate Two-horned Pincerwort
Cephalozia lunulifolia Moon-leaved Pincerwort
Cephaloziella sp Threadwort
Chiloscyphus polyanthos St Winifrid's Moss
Cololejeunea minutissima Minute Pouncewort
Conocephalum conicum s.l. Great Scented Liverwort
Dicranella heteromalla Silky Forklet-moss
Dicranum scoparium Broom Fork-moss
Diplophyllum albicans White Earwort
Fissidens bryoides var. curnovii Curnow's Pocket-moss
Fissidens taxifolius Common Pocket-moss
Fontinalis antipyretica var. antipyretica Greater Water-moss
Frullania dilatata Dilated Scalewort
Heterocladium heteropterum Wry-leaved Tamarisk-moss
Hookeria lucens Shining Hookeria
Hygrohypnum luridum Drab Brook-moss
Hyocomium armoricum Flagellate Feather-moss
Hypnum andoi Mamillate Plait-moss
Isothecium myosuroides Slender Mouse-tail Moss
Kindbergia praelonga Common Feather-moss
Lejeunea cavifolia Micheli's Least Pouncewort
Lejeunea lamacerina Western Pouncewort
Lepidozia reptans Creeping Fingerwort
Lophocolea bidentata Bifid Crestwort
Lophocolea heterophylla Variable-leaved Crestwort
Lophocolea semiteres Southern Crestwort
Masupella emarginata var. emarginata Notched Rustwort
Metzgeria conjugata Rock Veilwort
Metzgeria consanguinea Whiskered Veilwort
Metzgeria furcata Forked Veilwort
Metzgeria violacea Blueish Veilwort
Microlejeunea ulicina Fairy Beads
Mnium hornum Swan's-neck Thyme-moss
Nowellia curvifolia Wood-rust
Orthodontium lineare Cape Thread-moss
Orthotrichum affine Wood Bristle-moss
Orthotrichum pulchellum Elegant Bristle-moss
Oxyrrhynchium hians Swartz's Feather-moss
Pellia endiviifolia Endive Pellia
Pellia epiphylla Overleaf Pellia
Plagiochila asplenioides Greater Featherwort
Plagiochila porelloides Lesser Featherwort
Plagiomnium undulatum Hart's-tongue Thyme-moss
Plagiothecium curvifolium Curved Silk-moss
Plagiothecium undulatum Waved Silk-moss
Platyhypnidium riparioides Long-beaked Water Feather-moss
Pogonatum aloides Aloe Haircap
Polytrichastrum formosum Bank Haircap
Polytrichum commune Common Haircap
Pseudoscleropodium purum Neat Feather-moss
Racomitrium aciculare Yellow Fringe-moss
Radula complanata Even Scalewort
Rhizomnium punctatum Dotted Thyme-moss
Rhytidiadelphus loreus Little Shaggy-moss

Rhytidiadelphus squarrosus Springy Turf-moss
Saccogyna viticulosa Straggling Pouchwort
Scapania gracilis Western Earwort
Scapania scandica Norwegian Earwort
Scapania umbrosa Shady Earwort
Scapania undulata Water Earwort
Sciuro-hypnum plumosum Rusty Feather-moss
Tetraphis pellucida Pellucid Four-tooth Moss
Thamnobryum alopecurum Fox-tail Feather-moss
Thuidium tamariscinum Common Tamarisk-moss
Ulota bruchii Bruch's Pincushion
Ulota crispa Crisped Pincushion
Ulota drummondii Drummond's Pincushion
Ulota phyllantha Frizzled Pincushion

Ferns checklist

Common Name/Scientific Name

Bracken *Pteridium aquilinum*
 Hard – fern *Blechnum spicant*
 Hart's - tongue *Phyllitis scolopendrium*
 Hybrid Polypody *Polypodium x mantoniae*
 Intermediate Polypody *Polypodium interjectum*
 Male – fern *Dryopteris filix – mas*
 Scaly Male – fern *Dryopteris affinis*

Fungi checklist

Scientific Name/Common Name

Auricularia auricula-judae Jelly Ear
Baeospora myosura Conifercone Cap
Chondrostereum purpureum Silverleaf Fungus
Coprinopsis laanii No common name
Cortinarius obtusus No common name
Crepidotus epibryus No common name
Crepidotus mollis Peeling Oysterling
Crepidotus variabilis Variable Oysterling
Dacrymyces stillatus Common Jelly Spot
Flammulina velutipes Velvet Shank
Fomes fomentarius Hoof Fungus / Tinder Bracket
Ganoderma applanatum Artist's Bracket
Gymnopilus penetrans Common Rustgill
Heterobasidion annosum Root Rot
Hymenochaete corrugata Glue Crust
Hypoxylon fragiforme Beech Woodwart
Hypoxylon fuscum Hazel Woodwart
Kretzschmaria deusta Brittle Cinder
'Kuehneromyces mutabilis Sheathed Woodtuft
Laccaria laccata Deceiver
Laetiporus sulphurous Chicken of the Woods
Mycena arcangeliana Angel's Bonnet
Mycena filopes Iodine Bonnet
Mycena galericulata Common Bonnet
Mycena inclinata Clustered Bonnet
Mycena vitilis Snapping Bonnet

Nectria cinnabarina Coral Spot
Phellinus ferreus Cinnamon Porecrust
Piptoporus betulinus Birch Polypore / Razorstrop Fungus
Psathyrella piluliformis Common Stump Brittlestem
Psathyrella sarcocephala No common name
Rhytisma acerinum Sycamore Tarspot
Russula nigricans Blackening Brittlelegill
Schizophyllum commune Splitgill
Schizopora paradoxa Split Porecrust
Scleroderma citrinum Common Earthball
Scutellinia crinita No common name
Stereum hirsutum Hairy Curtain Crust
Stereum rugosum Bleeding Broadleaf Crust
Trametes versicolor Turkeytail
Tremella foliacea Leafy Brain
Tubaria romagnesiana No common name
Xylaria hypoxylon Candlesnuff Fungus
Xylaria longipes Dead Moll's Fingers
Xylaria polymorpha Dead Man's Fingers

Trees checklist

Scientific Name/Common Name

Acer platanoides Norway Maple
Acer pseudoplatanus Sycamore
Aesculus hippocastanum Horse Chestnut
Alnus glutinosa Alder
Betula pendula Silver Birch
Betula pubescens Downy Birch
Castanea sativa Sweet Chestnut
Corylus avellana Hazel
Cotoneaster horizontalis Wall Cotoneaster
Crataegus monogyna Hawthorn
Cytisus scoparius Broom
Fagus sylvatica Beech
Fraxinus excelsior Ash
Hedera algeriensis Algerian ivy
Hedera helix Ivy
Hydrangea macrophylla Hydrangea
Ilex aquifolium Holly
Ilex X altaclerensis Highclere Holly
Larix X marschlinsii Hybrid larch
Leycesteria Formosa Himalayan Honeysuckle
Ligustrum ovalifolium Privet
Lonicera nitida Japanese Honeysuckle
Lonicera periclymenum Honeysuckle
Lonicera pileata Box- leaved Honeysuckle *Philadelphus coronarius* Mock Orange
Picea abies Norway Spruce
Pinus sylvestris Scots Pine
Prunus avium Gean
Prunus laurocerasus Cherry Laurel
Prunus spinosa Blackthorn
Quercus robur Pedunculate Oak
Rhododendron ponticum Rhododendron
Ribes nigrum Black Currant
Ribes rubrum Red Currant

Ribes sanguineum Flowering currant
Rubus fruticosus agg Bramble
Salix caprea Goat Willow
Sambucus nigra Elder
Sambucus racemosa Red-berried Elder
Sorbus aucuparia Rowan
Sorbus X intermedia Swedish Whitebeam
Taxus baccata Yew
Tilia X vulgaris Common Lime
Tsuga heterophylla Western Hemlock
Ulex europaeus Gorse
Ulmus glabra Wych Elm
Vinca major Lesser Periwinkle
Vinca minor Greater Periwinkle

Flowers checklist

Scientific Name/Common Name

Aegopodium podagraria Bishop's-Weed/Ground Elder
Ajuga reptans Bugle
Alchemilla mollis Soft Lady's Mantle
Allium ursinum Ramsons
Carex pendula Pendulous Sedge
Carex sylvatica Wood-Sedge
Chrysosplenium oppositifolium Opposite-leaved Golden Saxifrage
Conopodium majus Pignut
Cortaderia richardii Early Pampas-Grass
Corylus avellana Hazel
Cotoneaster bullatus Hollyberry Cotoneaster
Cotoneaster simonsii Himalayan Cotoneaster
Cytisus scoparius Broom
Dactylis glomerata Cock's-Foot Grass
Deschampsia cespitosa Tufted Hair-Grass
Digitalis purpurea Foxglove
Fallopia japonica Japanese Knotweed
Ficaria verna ssp fertilis Lesser Celandine
Ficaria verna ssp verna Lesser Celandine, with bulbils
Filipendula ulmaria Meadowsweet
Fuchsia magellanica Hardy Fuchsia
Galanthus nivalis Snowdrop
Galanthus nivalis 'Flore-pleno' Double Snowdrop
Galium odoratum Woodruff
Geranium robertianum Herb Robert
Geum urbanum Wood Aven
Hedera helix Common Ivy
Hedera 'Hibernica' Irish Ivy
Helleborus x hybridus Lenten Rose hybrid
Heracleum sphondylium Hogweed
Hyacinthoides x massartiana Hybrid Bluebell
Hyacinthoides non-scripta Bluebell
Hypericum x inodorum Tall Tutsan
Hypochaeris radicata Cat's-Ear
Lamium album ssp. argentatum Aluminium/Tricoloured Archangel
Leycesteria formosa Himalayan Honeysuckle
Ligustrum ovalifolium Garden Privet
Lonicera nitida Wilson's/Hedging Honeysuckle

Lonicera periclymenum Wild Honeysuckle
Lonicera hybrid Garden hybrid Honeysuckle
Luzula sylvatica Great Wood-Rush
Lysimachia nemorum Yellow Pimpernel
Meconopsis cambrica Welsh Poppy
Mercurialis perennis Dog's Mercury
Narcissus (various garden types) Daffodil
Oxalis acetosella Wood-Sorrel
Persicaria wallichii Himalayan Knotweed
Primula vulgaris Primrose
Prunella vulgaris Selfheal
Prunus laurocerasus Cherry Laurel
Ranunculus repens Creeping Buttercup
Rhododendron ponticum Rhododendron/Wild Rhododendron
Ribes uva-crispa Gooseberry
Rubus fissus A Sub-Erect Bramble
Rubus idaeus Raspberry
Rubus scissus A Sub-Erect Bramble
Rubus ssp Brambles
Rumex acetosa Common Sorrel
Rumex obtusifolius Broad-Leaved Dock
Sambucus nigra Elder
Sambucus racemosa Red-Berried Elder
Tolmiea menziesii Pick-a-back plant
Urtica dioica Nettle
Vinca major Greater Periwinkle
Vinca minor Lesser Periwinkle

ANNEX 5

Friends of Duchess Wood paper: Consideration of boundary/neighbour issues

Duchess Wood is bordered on its east side by a number of residential streets. From the north, they are Macleod Crescent, Macleod Drive, Duchess Drive, and Duchess Park; as the eastern boundary continues south, it runs alongside the end property in Millig Street, then after the garages, alongside Strathclyde Court and its garden. Kathleen Park in the south west corner also borders the Wood, although it is separated from the Wood by the south banks of the burn which runs behind the houses.

The northern boundary is formed by the West Highland railway line, and the southern boundary mainly by sports fields; this note is mainly about the eastern residential boundaries.

The Macleod Crescent properties are at the top of the steep bank that runs down to the burn in that area. There are trees along that bank, one of which fell in the December 2011 gale; A&BC felled a number of other trees following this gale and more fell in January 2012. The area has become a little inaccessible in recent years, since the Thurgood Bridge was installed, thereby directing walkers to a more suitable route.

Some of the Macleod Drive properties border the north-south boundary of the wood below the stone bridge. An old stone dyke forms the boundary for much of this length, and there are mature trees close to the boundary, including a very large old beech.

The rest of the Macleod Drive properties border the north boundary of the "hammerhead" and a fair sized ditch runs along much of this length. The Duchess Drive properties border the east boundary of the hammerhead, and there are numerous mature trees close to the boundary, of various species. In the area of the Macleod Drive/Duchess Drive corner, there are a number of large pines; one of these is isolated from the rest and may be more vulnerable. A large branch from an oak tree fell into the back garden of one of the Duchess Drive houses in the 23 May 2011 storm and further trees and large branches fell into Duchess Drive properties in the December 2011 and January 2012 gales. Again, A&BC took protective action after these storms. The Duchess Park (and the end of Queen Street) properties border the south boundary of the hammerhead; there are numerous mature trees along this boundary. A number of mature trees and large branches fell during the 2011/2012 gales, mostly into the Wood, but some into gardens, particularly at the north west corner of Duchess Park. The hammerhead is less accessible than the rest of the Wood and has only informal paths, which has made dealing with storm damage more difficult.

South of the hammerhead, the end two houses in Duchess Park and the end house in Millig Street border the wood. The eastern boundary continues through the Strathclyde Court garages into the Scots Pine plantation between the garages and Rhu Road Higher, where the border is with the gardens of Strathclyde Court. This is a mixed, scrubby area under the Scots/Corsican pines and the rookery, and there have been incidents here in the past with branches falling into Strathclyde Court. A number of large trees fell in this area in the 2011/12 storms, particularly the January 2012 gale, and the upper parts of some of the trees landed in the gardens of Strathclyde Court; again A&BC has dealt with the immediate remedial work in relation to the trees crossing into the gardens, although further heavy work is needed to begin to clear the woodland floor.

Most of the properties that border the wood were built between the 60s and early 80s, while one or two predate this. Over the last 30-40 years the trees in the wood, particularly the sycamores and birches, have grown substantially, and the shading effect on gardens has increased significantly. The Macleod Drive houses have the wood on their south side, and suffer particularly from shading and light loss, while those houses

which border a western boundary of the wood also suffer in the late afternoon and evenings. The issue about light is similar to the concerns over high hedging which have taken up parliamentary time in recent years. On the other hand, the wood gives considerable shelter to all the properties.

We understand that up until the first management agreement was signed 15 years ago, Luss Estates staff inspected the wood boundaries each year and dealt with significant overhanging branches or suspect trees, but this has not happened on a regular basis since then. It is possible that as a result, there are now more overhanging branches and potentially dangerous trees than during the first 20-30 years of the housing boundaries.

On the other hand, there are also places where residents have used the wood to dump mainly garden waste over their boundary; there are one or two examples of scrap machinery, but not many; and with better access these could easily be removed. Invasive species may have entered the Wood from gardens and one of the aims should be to get greater understanding and cooperation between neighbouring residents and the management needs of the wood. We need to remember that gardens are in essence an extension of the wood and residents can help protect and improve wildlife in the wood, particularly the bird life.

In terms of the management plan, a thorough boundary survey is needed to better inform future actions. Thinning the boundary areas; removing dangerous trees; removing some of the trees which are very close to boundaries; removing overhanging branches; and making access around the boundaries easier for maintenance, should all be considered.

The updated management plan needs to take boundary issues seriously; while there is a risk that some residents might use management plan commitments to seek an unfair level of Council resource, this is outweighed by the potential risks of falling trees and branches if the boundary zone is not managed. The storms of 2011/12 have clearly demonstrated the scale of the problem and the risks involved.

Proper boundary management will bring gains for biodiversity in the Wood; gains in amenity for residents; and greater support for the aims of the management plan.

ANNEX 6 (Maps) Omitted at this stage for technical reasons

ANNEX 7

Duchess Wood Local Nature Reserve maintenance schedule

1. What elements of the woodland should be subjected to *routine* maintenance by Argyll and Bute Council?

- Regular inspections of paths for safety issues
- Damage and rectification to paths which cause safety issues/significant trip hazard
- Risk arising from trees overhanging paths or properties
- Bins
- Uplift of fly tipping or larger accumulations of litter.

2. What elements would benefit from an initial one-off input from Argyll and Bute Council?

- Japanese Knotweed eradication, with some follow-up visits
- Annual tree survey - paths and alongside properties.

3. What elements could be maintained through sources other than Argyll and Bute Council?

- General keeping tidy activities could be tackled through the FODW, BTCV, Green Gym, Employability.
- Damage to paths which cause safety issues/significant trip hazard
- Larger scale path maintenance could be tackled by Employability or BTCV teams or, in exceptional circumstances, contractors. In the case of contractors this would be dependent on additional funding being secured by LCG/FODW.
- Culverts can be cleared through the input of FODW.
- Leaf raking/clearing fallen branches by FODW/Green Gym/BTCV
- Litter on or adjacent to the paths managed by FODW
- Strimming alongside picnic benches by FODW

Assessment of current partnership capacity levels

Argyll and Bute Council

A one-off sum of funding is available towards maintenance support of Duchess Wood. This funding should be used as carefully as possible to ensure that the maximum benefit, for the greatest possible time, is delivered within Duchess Wood Local Nature Reserve.

Lower Clyde Greenspace

To date Lower Clyde Greenspace has used limited reserve funding to support a range of activities within Duchess Wood, notably safety surveys of trees, tree surgery and larger scale footpath improvements.

With a remit now covering the whole of Argyll and Bute, coupled with the end of the approved SFGS scheme and no access to Argyll and Bute Council capital funding, Lower Clyde Greenspace can bring best value through a planning, coordination and support role.

Argyll and Bute Employability

The employability team have delivered the bulk of the outcomes highlighted in the SFGS grant, allowing exceptional value for money to be obtained. However, now that the SFGS has ended, their involvement is strictly on an ad-hoc basis. Their preferred method is for any works in Duchess Wood to come to them through Lower Clyde Greenspace.

Friends of Duchess Wood (FODW)

As already indicated the FODW already deliver a range of maintenance benefits within Duchess Wood. Their activities are

understandably limited by the availability and abilities of their members, and their level of insurance cover .

Helensburgh and District Access Trust

This group has contributed significantly to the development of the path network within, and linking to, Duchess Woods LNR.

Community Service Teams

Available for small scale works within the woods, particularly to wooden structures.

Local Schools

Teachers from local schools have in the past contributed significantly to the development of educational resources, and Lomond School are represented on the LNR Management Committee.

Tables omitted – could not be copied

References

ⁱ See: <http://jncc.defra.gov.uk/page-4264> for NVC description

ⁱⁱ These appear to be descriptions from the EC Habitats Directive, 92/43/EEC, Annex 1, “Natural habitat types of community interest whose conservation requires the designation of special areas of conservation”. These habitat descriptions don’t match easily with the Annex 1 descriptions: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1992L0043:20070101:EN:PDF>

ⁱⁱⁱ Good bramble list at: <http://hedgerowmobile.com//index.html>

^{iv} From a note by Alistair McIntyre

^v See: <http://www.scotland.gov.uk/Publications/2006/03/27152321/0>

^{vi} See: <http://www.argyll-bute.gov.uk/sites/default/files/planning-and-environment/AandB%20BAP%20Draft.pdf>

ARGYLL & BUTE COUNCIL

HELENSBURGH & LOMOND AREA
COMMITTEE

DEVELOPMENT & INFRASTRUCTURE
SERVICES

9th OCTOBER 2012

HELENSBURGH PIER & PIER CAR PARK – PROPOSED EVENTS

1. SUMMARY

1.1 Two requests have been received requesting permission to utilise the Pier and car park to host events.

- i. The Helensburgh & District Round Table to host the Bonfire in Helensburgh pier car park (behind the swimming baths) and to utilise the main pier for the Fireworks Display.
- ii. The organisers for the Helensburgh Winter Festival to host a Firework Display on the pier and utilise the main car park (behind the swimming baths) as a safe viewing area.

1.2 The Helensburgh & District Round Table intend to section off the car park with the assistance of the police from 6.00 pm on the evening of Friday 2nd November 2012 until the end of the display on Saturday 3rd November 2012 with the area being cleared on the morning of Sunday 4th November 2012. They have requested that the Council forego charging for the area being used.

1.3 The organisers of the Helensburgh Winter Festival intend to section off an area of the car park with the assistance of the police from 12.00 pm on the of Sunday 2nd December 2012 until the end of the display around 6.00 pm. They have requested that the Council forego charging for the area being used.

2. RECOMMENDATIONS

2.1 That the Area Committee approve the request from

- i. The Helensburgh & District Round Table to host the Bonfire and Fireworks Display in Helensburgh Pier Car Park on Saturday 3rd November 2012.

- ii. The organisers for the Helensburgh Winter Festival to host a fireworks display on the Pier on Sunday 2nd December 2012.

2.2 That the Area Committee agree that no charge be made for use of the car park.

3. BACKGROUND

The Helensburgh & District Round Table have successfully hosted this event over a number of years at this location which brings much value and pleasure to both the residents and visitors to the town.

This is the first year that a winter festival has been held in Helensburgh the fireworks display and is the conclusion to a number of events held over a two week period. It is envisaged that these events will give pleasure to both the residents and visitors to the town.

4. IMPLICATIONS

Policy:	None
Financial:	If all charging is suspended, the granting of these requests would result in an approx. loss of income of <ul style="list-style-type: none">i. £200 - £300 to the Council.ii. Less than £ 50 to the Council
Personnel:	None
Equal Opportunity:	None
Legal:	None

For further information contact Campbell Divertie (01436 658866)

ARGYLL & BUTE COUNCIL**Helensburgh and Lomond****DEVELOPMENT AND
INFRASTRUCTURE SERVICES****Area Committee****9th October 2012**

Archway RoadMaster programme to 31st March 2013

1. PURPOSE

- 1.1 To inform members of the works towards ensuring efficient use of the RoadMaster velocity patching vehicles within the programme of routine maintenance works.

2. RECOMMENDATIONS

Members take note of the report.

3 DETAILS

- 3.1 One of two Archway RoadMaster velocity patching vehicles, commonly known as “the jetpatcher” has been allocated to routine maintenance operations in the East sector of Roads Operations. This is shared between Cowal, Bute and Lomond districts on a rotational basis. Programme to 31st March 2013 shown in Appendix.
- 3.2 The jetpatcher is used to repair the carriageway surface and is effective at filling potholes and sealing crazed areas of surface that if left untreated would deteriorate further, particularly in winter conditions. The jetpatcher has also been used successfully to carry out repairs in advance of surface dressing.
- 3.3 Recent training has been provided by Archway Ltd. to enhance the knowledge and skills levels of the present operatives and enhance the overall number of operatives available in each district, able to deliver the service. There are now two operators in Lomond and two in the Cowal area available to operate this equipment.
- 3.4 A trial is underway in the West sector using a Mobile Static Tank (MST) to provide bulk supply binder to increase the efficiency of pre-loading and re-loading operations. Additional storage bays have been constructed in some depots and are programmed in all others to better contain the dry chip. This will both preserve the quantity and quality of material available for use.
- 3.5 As part of the re-structuring of the department, the future management and programming of these vehicles will be co-ordinated by the central operations team, with operatives supplied from the local depots as required. The plan is to increase daily use by means of a “split-shift” system, where two operators can work over a combined longer day, thus increasing the hours the vehicle is active and its overall efficiency.

4. CONCLUSIONS

4.1 The measures detail above will increase the overall efficiency of operation, partly through the preservation of materials for use and partly through an increase in operational working hours. Severe weather conditions notwithstanding, it is hoped these arrangements will increase the profile of these valuable assets to the maintenance operation, both in the eyes of Members and the public at large.

5. IMPLICATIONS

- 5.1 Policy *none*
- 5.2 Financial *none*
- 5.3 Personnel *Roads Operations assisted by Amenity Operatives*
- 5.4 Equalities Impact Assessment *none*
- 5.5 Legal *none*
- 5.6 Risk *none*
- 5.7 Customer Service *Maintains and enhances service level commitment*

6. APPENDICES

- 6.1 Weekly allocation Programme Sept 2012 – Mar 2013
- 6.2 Detailed “monthly” programme for Lomond - Oct 2012

Sandy MacTaggart
Executive Director, Development and Infrastructure

Date 1st October 2012

For further information, please contact,
Callum Robertson, Roads Performance Manager, Tel 01631 569197

Road Master East Programme

APPENDIX 1

Week Commencing		27/08/2012							03/09/2012							10/09/2012							17/09/2012							24/09/2012						
Area	Location/Description	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su
B&C	Isle of Bute																																			
B&C	Cowal																																			
H&L	Helensburgh/Lomond																																			

Week Commencing		01/10/2012							08/10/2012							15/10/2012							22/10/2012							29/10/2012						
Area	Location/Description	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su
B&C	Isle of Bute																																			
B&C	Cowal																																			
H&L	Helensburgh/Lomond																																			

Week Commencing		05/11/2012							12/11/2012							19/11/2012							26/11/2012							03/12/2012						
Area	Location/Description	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su
B&C	Isle of Bute																																			
B&C	Cowal																																			
H&L	Helensburgh/Lomond																																			

Week Commencing		10/12/2012							17/12/2012							24/12/2012							31/12/2012							07/01/2013						
Area	Location/Description	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su
B&C	Isle of Bute																																			
B&C	Cowal																																			
H&L	Helensburgh/Lomond																																			

Week Commencing		14/01/2013							21/01/2013							28/01/2013							04/02/2013							11/02/2013						
Area	Location/Description	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su
B&C	Isle of Bute																																			
B&C	Cowal																																			
H&L	Helensburgh/Lomond																																			

Week Commencing		18/02/2013							25/02/2013							04/03/2013							11/03/2013							12/03/2013						
Area	Location/Description	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su
B&C	Isle of Bute																																			
B&C	Cowal																																			
H&L	Helensburgh/Lomond																																			

Jetpatcher Programme Helensburgh & Lomond 28/09/2012 – 31/10/2012

Torpedo Range Road – Potholing, Rutting
A814 Loch Long – Potholing, Rutting, sealing up large areas of potholes (still to finish)
B872 Whistlefield Picnic Area – B833 – Potholing
Woodlea Crescent – Rutting
West King Street – Craizing
Williamson Drive – Rutting, sealing up large areas of potholes
Stafford Street West – Potholing, Rutting
Glasgow Street - Sealing up large areas of potholes
West Princes Street – Repairing tracks
West Clyde Street - Repairing tracks
Station Road, Rhu - Sealing up large areas of potholes
Pier Road, Rhu - Sealing up large areas of potholes, repairing tracks
Glen Fruin - Sealing up large areas of potholes
Fort Road, Kilcreggan (complete)
Fairfield Gardens (complete)
Straid a cnoc, Rosneath (complete)
B833 Kilcreggan (complete)
Armadale Road, Rhu

(complete) = works carried out 27th & 28th Sept

ARGYLL & BUTE COUNCIL
Helensburgh and Lomond
**DEVELOPMENT AND
INFRASTRUCTURE SERVICES**
Area Committee
9th October 2012

Winter Service Policy 2012-13

1. PURPOSE

This paper confirms that a report will be presented to Full Council at the October meeting detailing the preparation towards the delivery of the Winter Maintenance Service and Policy for 2012-13.

2. RECOMMENDATIONS

Members note the report.

3 DETAILS

3.1 The Winter Service Policy 2012-13 is subject to a paper to the Full Council at the October meeting to gain approval to proceed with final preparations and plans.

3.2 The department are on programme to be ready to start the Winter Service Standby operations and mobilise resources as required, by Friday 26th October as planned.

4. CONCLUSIONS

4.1 The department are on programme to be ready to start the Winter Service Standby operations and mobilise resources as required, by Friday 26th October as planned. A full report will be presented to Council at its meeting to be held in October.

5. IMPLICATIONS

- | | | |
|-----|------------------------------------|--|
| 5.1 | Policy | <i>none</i> |
| 5.2 | Financial | <i>none</i> |
| 5.3 | Personnel | <i>Roads Operations assisted by Amenity Operatives</i> |
| 5.4 | Equalities
Impact
Assessment | <i>none</i> |
| 5.5 | Legal | <i>none</i> |

- 5.6 Risk *Maintains the Council commitment to Section 34 of Roads (Scotland) Act 1984 to “take such steps as it considers reasonable to prevent snow and ice endangering the safe passage of pedestrians and vehicles over public roads”*
- 5.7 Customer Service *Maintains service level commitment from previous season.*

Sandy MacTaggart
Executive Director, Development and Infrastructure

Date 1st October 2012

For further information, please contact,
Callum Robertson, Roads Performance Manager, Tel 01631 569197

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