

Glastir Woodland Creation plan examples

This guidance provides two hypothetical examples to help registered planners complete a Glastir Woodland Creation plan.

The first example is a small new planting scheme with Native Biodiversity planting mixture. The proposed planting site falls within a sensitivity layer (Site of Special Scientific Interest buffer) and Special Guidance layer (Historic Landscape Area).

The second example shows a larger proposed new planting scheme with Mixed Enhanced planting mixture. The proposed planting site falls within two sensitivity layers (Scheduled Ancient Monument buffer and identified priority habitat) and two Special Guidance layers (Red Squirrels and Acid Sensitive Catchment).

There is additional guidance to help you to complete a Glastir Woodland Creation plan.

- The [Glastir Woodland Creation guidance](#) shows you how to deal with sensitivities within a new proposed planting area.
- The [Glastir Woodland Creation plan “how to complete” document](#) provides information on how to complete a Glastir Woodland Creation plan.

The maps for the Glastir Woodland Creation examples are based on the Welsh Government’s Glastir GeoPDF maps. There is guidance to help you to produce a Glastir Woodland Creation map.

Glastir Woodland Creation Plan – Example 1

Customer Reference Number (CRN)	A*****
Expression of Interest (EOI) Reference number	*****

1. Property details

New woodland property name		*****	
Site Reference Number (SRN)		*****	
Contact Name		Status	Please select (Owner, tenant, manager)
Email		Contact Number	
Do you have management control of the land?		Yes ✓	
Management Planner			
Email		Contact Number	
Agent Name and Company (If Applicable)			
Email		Contact Number	
Has planner carried out a site visit?		Yes ✓	
GWC area (Hectares)		1.06ha	
Type of GWC planting mixture		Native Biodiversity	
Six-figure Grid Reference for GWC area		*****	
Nearest town		*****	
Local authority (new planting site)		*****	
Is this a GWC co-operative plan		No ✓	
Tick to declare you will apply for Woodland Carbon Code validation within 24 months of grant approval (mandatory for Native Carbon GWC woodland mixture)		No ✓	
Do you intend to claim annual GWC maintenance payment?		Yes ✓	
Do you intend to claim annual GWC premium payment?		Yes ✓	

New planting areas in the following designations (Hectares) – only fill in areas if known

Designated Area	Area (ha)
a. Site of Special Scientific Interest (SSSI) Proposed Site (PSSSI)	-
b. SSSI with Nature Conservation Order (Section 29 of Wildlife and Countryside Act 1981)	-
c. National Park	-
d. World Heritage Site	-
e. Scheduled Ancient Monument (SAM)	-
f. Area of Outstanding Natural Beauty (AONB)	-
g. "Natural 2000" site (e.g.: special areas of conservation or special protection areas)	-

1. Long term vision and objectives

Describe your long-term vision for the new planting

The new native new planting scheme will be well established at 1,600 trees/hectare. It will provide a valuable habitat for woodland fauna especially woodland birds and will generate a supply of fuelwood for the owners.

Set out the objectives for the new planting

1.	Provide a regular supply of fuelwood to heat the owner's home
2.	Extend the upland oak SSSI to increase the area of woodland habitat especially for woodland birds e.g. pied flycatchers, woodpeckers
3.	Keep open the permissive right of way

2. Potential impacts of new planting

Sensitivities layer *	Field Parcel Sheet / Field Number	Description of layer in new planting	How will the layer be dealt with (in accordance with UKFS)	Is consultation required for this layer	How does the consultation response impact on the GWC plan
SSSI & 300m buffer	*****	The new planting is adjacent to ***** upland oak SSSI to the south west	New planting will buffer and extend the existing upland oak wood SSSI	Glastir officer contacted NRW conservation officer - new planting is adjacent to SSSI. Consultation response – new planting will benefit resilience of SSSI by extending the area of site native woodland	Email from conservation officer attached
Historic Environment: Historic landscape	*****	The proposed new planting within ***** HLA	GAT has been consulted for advice on HLA	Local Archaeological Trust response – new planting will not impact on the HLA	WAT consultation response attached

4. Design of new planting

Brief description of new planting site	The new planting is on an upland, semi-improved acid grassland which was used for sheep grazing at 350m asl and on a podzolic soil. There is poor fencing around the new planting area.
Pre-planting ground preparation	The trees will be planted using notch planting. No additional ground preparation is needed.
Design of new planting scheme	The sessile oak will be planted in groups of 15-40 on higher ground to the east of the proposed new planting area; the downy birch, rowan and shrubs will be planted in clumped groups adjacent to the SSSI and around the boundary. Hazel and hawthorn will be planted under the mature oaks close to the SSSI.
Type of planting stock and size of trees/shrubs	The trees and shrubs will be 1+1 nursery stock (bare rooted); size of the trees – 40-60cm; size of shrubs – 30-45cm
Tree protection – what type of tree shelters/spiral guards will be used and why?	All trees will be protected with spiral guards and canes; shrubs will be protected with shrub shelters and stakes.
Fencing (livestock)	There will be new fencing around the woodland boundary (expect part of the southern boundary) and will comply with Glastir fencing specification.
Deer protection (if an issue)	No
Open ground	There will be 2m open ground left open along the existing permissive right of way which is unmappable open ground and less than 0.1Ha. There will still be 1,600 trees/Ha to be planted.
Is the new planting within an open access area?	No
Are standing trees present?	There are 10 mature trees adjacent to the SSSI and there will be no planting under the dripline. Trees will be planted at closer spacing ensuring 1,600 trees/Ha are planted.
Timing of new planting	The trees and shrubs will be planted between November and March.

5. Maintenance and monitoring of new planting site

Maintenance Operation	What needs to be maintained?	Who will maintain the new planting site?	When will the maintenance be undertaken?
Control of vegetation around trees	Maintain vegetation (especially grasses, bramble) around the trees	Owners will use a certified contractor to apply approved herbicide around the trees and shrubs	Twice annually in May and August until the trees have established
Tree replacement	Dead trees in the new planting will be tagged and will be replaced with the same tree species to ensure there are 1,600 trees/Ha	Owners	Tag trees annually in August-September. Replace trees from November-March annually until all trees have been planted at the full stocking rate (1,600 trees/Ha)
Fencing	Check fencing around new planting and repair any damage to ensure stock are excluded	Owners	Annually for 12 year period of the GWC contract
Tree protection	Check all tree shelters are secure and upright and the guards are properly protecting the trees. Vegetation eg grasses need to be removed from inside the tree shelters.	Owners	At least one site visit annually
Removal of tree protection	Remove tree shelters when all the trees have established and tree stems cannot no longer be damaged by rabbits and voles.	Owners	Between Years 5-8
Rides and paths through wood	Strim along permissive right of way	Owners	Annually

6. Stakeholder engagement

Individual or organisation	Method of contact	Date contacted	Date feedback	Their response	Your action
Name 1	Visited by applicant	25/01/2018	26/01/2018	No objections	
Name 2	Visited by applicant	25/01/2018	28/01/2018	Name 2 walks the family dog along the permissive right of way regularly and asked for reassurance that the path will be kept open	In the GWC plan in Section 4, the permissive rights of way will be strimmed annually
The new planting is in a remote location and is not overlooked by neighbouring properties.					

7. Plan of Operation

Cpt. No.	Sheet Reference	Field Parcel	Map ID (e.g. GWC 001)	Capital Works Reference	Capital Works Number	Species (include mapped open ground)	Species %	Estimated Quantity
1a	*****	****	GWC001	Native Biodiversity	801	Sessile oak	50	1.06Ha
						Downy birch	30	
						Rowan	10	
						Hazel	5	
						Hawthorn	5	
1a	*****	****	GWC002	Fencing	595			750m

8. Information required to support GWC plan verification

Documents	Attached: Yes / No
Glastir Woodland Creation Plan	Yes
Map of planting area(s)	Yes

Consents and Consultation responses	Provided: Yes / No / Not applicable
Natural Resources Wales: consent within Sites of Special Scientific Interest (SSSI)	N/A
CADW: response within 100m of Scheduled Ancient Monument	N/A
Archaeological Trust consultation	Yes
Additional documents e.g. ecological survey, community consultation	NRW conservation officer email
Consultation responses e.g. National Parks and Areas of Outstanding Natural Beauty over 2Ha	No

Failure to submit all required information at this stage could result in delays during the GWC plan verification process.

Glastir Woodland Creation Map Example 1 – Native Biodiversity mixture



Glastir Woodland Creation Plan – Example 2

Customer Reference Number (CRN)	A*****
Expression of Interest (EOI) Reference number	*****

1. Property details

New woodland property name		****	
Site Reference Number (SRN)		****	
Contact Name		Status	Please select (Owner)
Email		Contact Number	
Do you have management control of the land?		Yes ✓	
Management Planner			
Email		Contact Number	
Agent Name and Company (If Applicable)			
Email		Contact Number	
Has planner carried out a site visit?		Yes ✓	
GWC area (Hectares)		41.70ha	
Type of GWC planting mixture		GWC Mixed Enhanced	
Six-figure Grid Reference for GWC area		*****	
Nearest town		****	
Local authority (new planting site)		****	
Is this a GWC co-operative plan		No ✓	
Tick to declare you will apply for Woodland Carbon Code validation within 24 months of grant approval (mandatory for Native Carbon GWC woodland mixture)		Yes ✓	
Do you intend to claim annual GWC maintenance payment?		Yes ✓	
Do you intend to claim annual GWC premium payment?		Yes ✓	

New planting areas in the following designations (Hectares) – only fill in areas if known

Designated Area	Area (ha)
Site of Special Scientific Interest (SSSI)/Proposed Site (PSSSI)	No
SSSI with Nature Conservation Order (Section 29 of Wildlife and Countryside Act 1981)	No
National Park	No
World Heritage Site	No
Scheduled Ancient Monument (SAM)	Yes (Within buffer)
Area of Outstanding Natural Beauty (AONB)	No
“Natural 2000” site (e.g.: special areas of conservation or special protection areas)	No

2. Long term vision and objectives

Describe your long-term vision for the new planting

The new planting will be a well-established commercial conifer plantation which fits into the surrounding landscape. The broadleaves planted to enhance biodiversity, increase woodland habitat connectivity and buffer the watercourses.

Set out the objectives for the new planting

1.	Manage the new planting using sound silvicultural techniques to grow good quality timber
2.	Thin the new planting on a regular cycle to start to generate a regular income for the owners
3.	Maintain and increase numbers of red squirrels (red squirrel numbers will be monitored by the Mid Wales Red Squirrel Forum)
4.	Ensure that the woods fit into the surrounding landscape which is in a Local Authority Special Landscape Area designation
5.	Protect the riparian buffer of the stream which flows through the wood
6.	Make sure that the new planting does not impact on the Scheduled Ancient Monument which is 90m to the east of the new planting

3. Potential impacts of new planting

Sensitivities layer *	Field Parcel Sheet/ Field Number	Description of layer in new planting	How will the layer be dealt with (in accordance with UKFS)	Is consultation required for this layer	How does the consultation response impact on the GWC plan
Priority habitat	*****	The lowland grassland layer is shown in part of field parcel *****	Area marked on the GWC geopdf as priority habitat appears to be improved grassland – photographs attached as evidence	Glastir officer sent photos of priority habitat to NRW habitat specialist – confirmed it is not priority habitat and area can be planted	Email from NRW habitat specialist
Scheduled Ancient Monument buffer	*****	The new planting is 90m from a Scheduled Ancient Monument (SAM)	Follow CADW consultation response	CADW asked for a minimum of 10m broadleaves along north eastern boundary of wood	CADW consultation response attached
Acid sensitive catchment	***** ***** ***** ***** *****	The new planting is in a failing water catchment	The plan will follow enhanced requirements in the ASC guidance (including 20% open space). Less than 10% alder will be planted.	No	No
Red Squirrels Core	As above	There are known to be red squirrels in the nearby woods	Broadleaves will be made up of small seeded species and species mix will include Norway Spruce	No – used Glastir Woodland Creation red squirrel fact sheet	No

Sensitivities layer *	Field Parcel Sheet/ Field Number	Description of layer in new planting	How will the layer be dealt with (in accordance with UKFS)	Is consultation required for this layer	How does the consultation response impact on the GWC plan
Streams	*****	3 watercourses throughout new planting area (all < 2m wide)	Plant 10m riparian buffer either side of the watercourses. Plant at 1,600 trees/Ha for dappled shade	No	No
Special Landscape Area	***** ***** ***** ***** ***** *****	The proposed new planting is in *** valley SLA (Local Authority designation).	Included advice from the Local Authority on the SLA. New planting is not prominent from surrounding landscape and is not visible from nearby viewpoints. Broadleaves will be planted at the southern end of the new planting area by four mature oaks.	Consulted Local Authority who advised that should be no isolated planting blocks and broadleaves should be planted to enhance existing habitats.	Response from Local Authority
Private water supply	*****	There is a private water supply in a property adjacent to the proposed new planting scheme	The water supply will be buffered with 50m open ground.	No	No

4. Design of new planting

Brief description of new planting site	The new woodland is on a brown earth site between 120-140m above sea level – there are four fields of permanent grassland and one field of dense bracken (field parcel 5678). There is a ASNW along the southern boundary
Pre-planting ground preparation	Bracken will be sprayed with approved herbicide in the summer before planting. The ground will be prepared prior to planting to provide weed free planting positions and this will be achieved by ploughing and mounding. All works will follow best practice guidance. Any areas of existing clumps of trees will be left and the area excluded from the plan. Ground preparation will follow the Forestry and Water and Forest and Soil guidelines.
Design of new planting scheme	A new planting design map shows how the new planting fits into the surrounding landscape. All conifers will be planted as discrete blocks - Sitka spruce will be planted on the slighter higher ground to the north and east and Douglas fir and Norway spruce will be planted to the south and west. Mixed broadleaves will be planted along the western boundary, along the southern boundary adjacent to the ASNW, adjacent to the access track and as a riparian buffer along the watercourses.
Type of planting stock and size of trees/shrubs	The conifers, broadleaves and hawthorn will be 20-40cm cell grown stock.
Tree protection – what type of tree shelters/spiral guards will be used and why?	Broadleaves and shrubs will be protected with spiral guards and canes. Conifers will be left unguarded.
Fencing (livestock)	There will be new fencing around the new woodland boundary and will comply with the Glastir fencing.
Deer protection (if an issue)	No deer in the area
Open ground	There will be 4m open ground through the wood for an access track which is unmappable. There will be 50m open ground around the private water supply. One field parcel in the GWC Expression of Interest will not be planted up and accounts for 20% open space (in line with the Acid Sensitive Catchment guidance).
Is the new planting within an open access area?	No
Are standing trees present?	There are four mature oak to the south and a clump of trees and hawthorn to the north. There will not planting under the dripline and where the oaks are present, there will be broadleaf planted.
Timing of new planting	The trees and shrubs will be planted between November and March

5. Maintenance and monitoring of new planting site

Maintenance Operation	What needs to be maintained?	Who will maintain the new planting site?	When will the maintenance be undertaken?
Control of vegetation around trees	Control vegetation (especially grasses, bramble, bracken) around the trees by herbicide application	Agent will organise the maintenance operation and use an approved herbicide contractor	Twice annually in May and August until the trees have established (at least 3 years after tree planting)
Tree replacement	Dead trees in the new planting will be tagged and will be replaced with the same tree species	Agent	Tag trees in August-September; replace trees from November-March annually until all trees have been planted at the full stocking rate (2,500 trees/Ha)
Fencing	Check fencing around new planting to ensure stock are excluded	Agent	At least once annually
Tree protection	Check all tree shelters are secure and upright and the guards are properly protecting the trees. Vegetation eg grasses need to be removed from inside the tree shelters.	Agent	At least once annually
Removal of tree protection	Remove tree shelters from the broadleaves when all the trees have established and tree stems cannot no longer be damaged by rabbits and voles.	Agent	Between 5-8 years
Rides and paths through wood	Keep open access through the new planting with tractor swipe	Agent	July-September annually

6. Stakeholder engagement

Individual or organisation	Method of contact	Date contacted	Date feedback	Their response	Your action
Community council	Letter	07/01/2018	14/02/2018	The community council did not comment on the proposed new planting scheme	
Name 1	Letter	04/01/2018	10/02/2018	Asked owner and agent to ensure water supply is protected	50m open ground will be left around the private water supply
Name 2	Letter	04/01/2018	-	No response	
Name 3	Letter	04/01/2018	08/02/2018	Name 3 wrote to the owner to say that he supported the proposed new planting on marginal farm land. His son works in the timber industry in Mid Wales and he feels more trees should to be planted in Wales.	
Name 4	Letter	04/01/2018	20/10/2018	Name 4 objected to the proposed new planting and expressed concern about the loss of biodiversity and acidification of the water catchment	The agent contacted Name 4 and said that the new planting will benefit biodiversity (by planting broadleaves and increasing the red squirrel habitat) and not acidify the catchment. Name 4 informed the agent again to say that he was less worried about the about the planting proposal
Name 5	Letter	04/01	25/01/2018	Name 5 was very concerned that his view would be blocked by conifers	The boundary close to the property will be planted with broadleaves at 1,600 trees/Ha with a graded woodland edge

7. Plan of operation

Cpt. No.	Sheet Reference	Field Parcel	Map ID (GWC 001)	Capital Works Reference	Capital Works Number	Species	Species %	Estimated Quantity					
1a	*****	****	GWC001	Mixed Enhanced	803	Sitka spruce	40	4.0Ha					
						Douglas fir	25						
						Norway spruce	10						
						Downy birch	10						
						Rowan	5						
						Alder	5						
						Hawthorn	5						
1b	*****	****	GWC002	Mixed Enhanced	803	Same as GWC001	As GWC001	15.7Ha					
1c	*****	****	GWC003	Mixed Enhanced	803	As GWC001	As GWC001	12.0Ha					
									GWC004	Fencing	595		1,100m
1d	*****	****	GWC004	Mixed Enhanced	803	As GWC001	As GWC001	9.0Ha					
									GWC006	Fencing	595		600m
									GWC007	Fencing	595		900m
1e	*****	****	GWC008	Native Biodiversity	801	Downy birch	50	0.5Ha					
						Rowan	20						
						Alder	5						
						Aspen	5						
1e	*****	****	GWC008	Native Carbon	802	Downy birch	60	0.5Ha					
						Rowan	20						
						Alder	5						
						Aspen	5						
						Hawthorn	10						

8. Information required to support GWC plan verification

Documents	Attached: Yes / No
Glastir Woodland Creation Plan	Yes
Map of planting area(s)	Yes

Consents and Consultation responses	Provided: Yes / No / Not applicable
Natural Resources Wales: consent within Sites of Special Scientific Interest (SSSI)	N/A
CADW: response within 100m of Scheduled Ancient Monument	Yes
Archaeological Trust consultation	Yes
Additional documents e.g. ecological survey, community consultation	Local Authority response
Consultation responses e.g. National Parks and Areas of Outstanding Natural Beauty over 2Ha	No

Failure to submit all required information at this stage could result in delays during the GWC plan verification process.

Glastir Woodland Creation Map Example 2 – Mixed Enhanced GWC mixture

