

Site Number	Date	Description
1	06/09/21	Sitka spruce stand adjacent to boggy woodland clearing with small burn running through. The ground is flat and site close to main path. It is overcast and raining lightly. We commenced at this site at 1648. Only half of the 10m radius circular plot was covered by trees.
2	06/09/21	Sitka spruce stand 16 paces west of site 1. Aspect is gently sloping towards the east. Fallen tree directly east of plot. Ditches/ planting trenches quite pronounced. Weather has not changed since site 1. There were multiple dead trees in this plot but were not included in the stem count.
3	06/09/21	Sitka spruce stand. Quadrat falls on tree roots and the ground is steeply sloping to the east. Visually, the light is very flat due to overcast skies and waning light. There are lots of dead branches attached to trees in stand, blocking light from the sky.
4	06/09/21	Site in clearing of Sitka plantation with Scots pine and rowan trees interspersed in the break between the stands. Site is on the top of a small mound/ rise. Visually, this site is much brighter than previous three and initial observations suggest higher diversity as site is much greener.
5	06/09/21	Dense Sitka spruce stand on flat ground with fairly flat planting trenches. There is a tree directly in the centre of the plot which may bias light readings. There is a forest clearing directly to the west of this site which has lots of mushrooms growing. LUX reading out of the forest is 973.
6	07/09/21	Planted Larch stand which appears noticeably brighter than Sitka stands, and upon initial observation appears much greener and diverse in vascular plants at least. The aspect is flat and the site is at the bottom of a slight depression. There is a warbler singing nearby. It is raining lightly but considerably brighter than yesterday. Quadrat happened to fall on a muddy patch of ground at the bottom of a depression which may influence results.
7	07/09/21	Larch forest stand with a more open canopy, light and older trees. Numerous fallen, moss covered trunks. Flat aspect.
8	07/09/21	There is a Sitka stand directly beside this plot meaning there is overlap between Sitka and Larch. This may skew the tree density as the Sitka plantation is much denser.
9	07/09/21	Open area of grass land, between a Sitka spruce stand and Scots pine stand. Very damp ground, boggy, swampy. Slight incline. Dominated by grass species. Fallen branch in middle of plot.
10	07/09/21	Situated at the bottom of an incline between Sitka spruce and Scots' pine stands. Ground is less marshy than previous site but is still dominated by grass species. The canopy is open but shaded by an overhanging tree which may influence results.
11	07/09/21	Situated on top of small crag. Crag is directly east of site and there is dense spruce forest further eastward. There is a row of Rowan just below the crag and the site itself is dominated by grass species. The sky is getting brighter and the rain has stopped. The sun came out whilst we were in the middle of sampling this plot which may influence LAI readings. There were 21 trees on top of the crag and 21 below.

12	07/09/21	Pure stand of Sitka spruce **** between roots. Forest floor composed of mainly needles. The forest is dense with lots of dead branches on trees. It is no longer raining but is still overcast.
13	07/09/21	Pure stand of Sitka spruce situated on the edge of a bog. Marshy grounds with predominantly moss. Lots of mushrooms, especially toad stools. There is a rabbit warren in the centre of the plot. The weather remains dry but overcast.
14	07/09/21	Pure stand of Sitka spruce situated in a bog, next to a small, dark patch of water. Within the plot there is a small tree stump entirely covered in Sphagnum. Site is in a depression full of sphagnum with a drainage ditch running through. This ditch collects water and channels water into bogs/ marshy areas. In these marshy areas, the trees are shorter and have thinner canopies from observation. Therefore, despite high stocking density, there is more light in the understorey. The weather remains dry and overcast.
15	07/09/21	Situated next to a slope on the west but site itself is relatively flat. The forest floor is covered in mostly needles and cones, with moss spreading out from a small moss-covered boulder next to the plot. Faeces in plot indicating recent mammal activities.
16	07/09/21	Dense Sitka spruce plantation, although only 10-20 metres from the edge of the plantation. Forest floor mostly dominated by needles, some mosses. Site is situated under a small ridge with trees taller on one side. This area is densely planted with little light penetrating the canopy though there is light from the edge of the plot.
17	07/09/21	Dense Sitka spruce plantation, with trees roughly one metre apart. This site is further into the plantation than the last site meaning it is dark with little light penetrating the canopy. The forest floor is dominated by needles and cones and sparsely vegetated. The site is at the top of a small steep hill but the quadrat happens to fall into a furrow/ small dip between the trees. Trees are more closely planted together but trees are much thinner.
18	07/09/21	Dense plantation, similar to sites 16 and 17, but with a slightly more open canopy. Forest floor also dominated by needles and cones with sparsely scattered moss and vegetation. The ground is a flat area/ platform on a long incline.
19	07/09/21	Trees are larger and more spaced apart at this site, approximately 2m apart. Canopy is still very closed. Close to the bottom of the incline is a bog/ marshy area. The forest floor is dominated by needles and is sparsely vegetated with some mosses. (2 bryophytes, 2 vascular plants, and 3 fungi)
20	07/09/21	A boggy/ wetter area at the bottom of an incline dominated by moss with some patches of needles. Approximately a 3:1 split of these two floor covers. Still densely planted, but next to 2 or 3 fallen trees so the canopy is more open and therefore there is more light penetrating the canopy. Light is also entering the site from the sides of stand. Aspect not entirely flat and quadrat falls in a furrow between two rows of trees.
21	07/09/21	Slope downward from the path with some dense spruce stand on the western side of the site. Trenches are also on the western side of the site. Plot relatively flat with dead branches covered in moss.

		The weather remains dry but sunshine breaks the cloud cover occasionally.
22	07/09/21	Two trenches of mud between two rows of trees. Plot slightly raised from the trenches. There is a mix of young and old spruce. The forest floor is dominated by moss.
23	07/09/21	Sitka spruce stand. Forest floor dominated by needles and cones. Quadrat falls between two rows of spruce and is slightly sunken. The aspect is relatively flat. The weather remains dry but overcast.
24	07/09/21	Sitka spruce stand. Forest floor dominated by moss with fungi distributed across the plot. The ground is slightly sunken. There is a small hole, probably a rabbit hole. Overstorey trees are shorter than at previous sites. Numerous low hanging branches with lots of moss on them. The ground underfoot is wet and boggy. Canopy visibly open despite lots of dead branches on tree stems and high stocking density.
25	07/09/21	Sitka spruce stand. Forest floor a 1:1 split of cones/needles and moss. The quadrat fell between two trenches. The ground underfoot is wet and boggy. The spruce in this stand are shorter and many of them have low hanging branches covered in moss. Canopy noticeably more open than previous sites despite high stocking density. This is probably due to shorter trees and lower canopy.