Effects on Bilberry (*Vaccinium myrtillus*) height and percentage cover in relation to tree canopy cover.





- Deciduous herb with small pink flowers and purple-black berries
- Grows in acidic, nutrient poor soils
- Temperate or subarctic regions
- Dominant ground flora across boreal forest
- Tolerance to Scots Pine (*Pinus sylvestris*)
 allelopathic toxins

Importance

Vital food source to many organisms

Berries eaten widely by humans

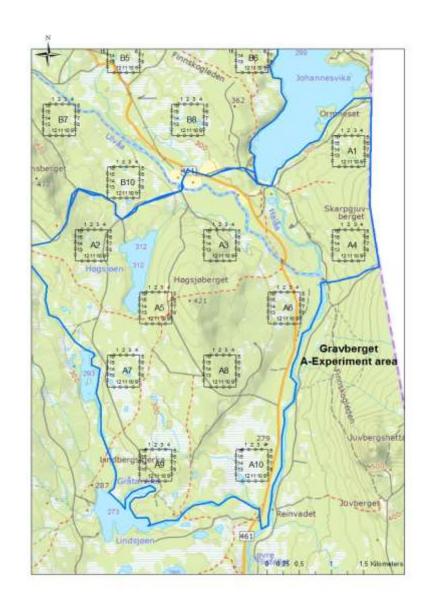
Important forage to moose during summer and autumn



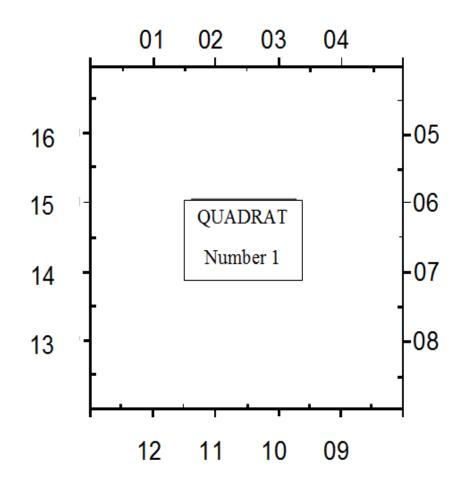
Method

 Ljørdalen, Gravberget and Plassen

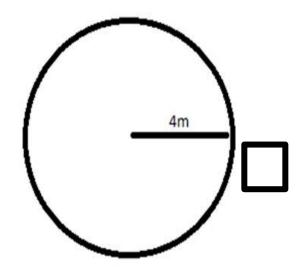
Each site has 2
 sampling <u>areas</u>; one
 with experimental
 treatments (A) and
 one control (B)

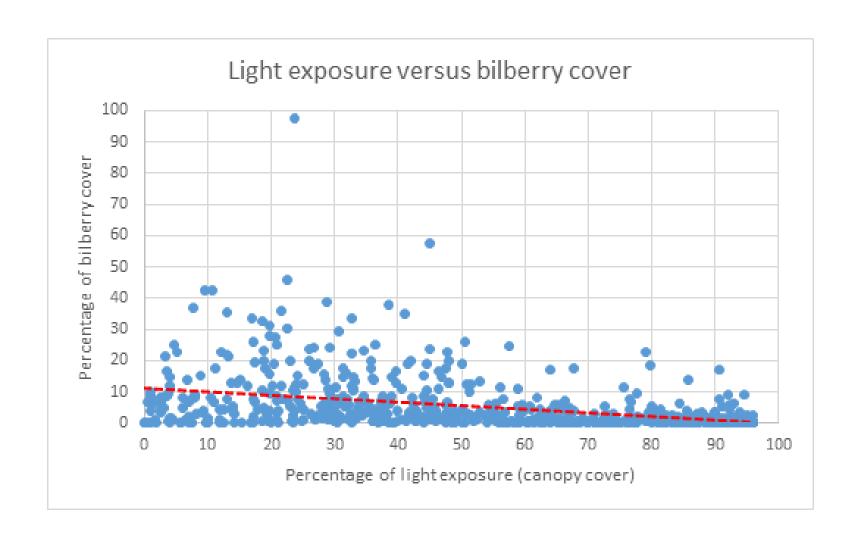


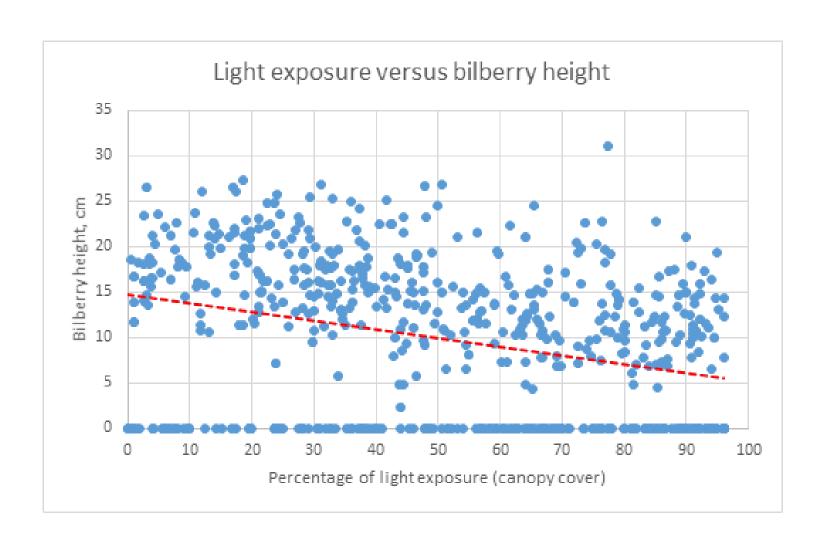
- 10-11 quadrates of 500 m x 500 m
- 16 sampling <u>plots</u>, 4 along each side with 100 m between them
- Centre of each plot marked with a white pole



- North, east, south and west
- Canopy cover reading taken facing away from the central point; measured at elbow height
- Bilberry coverage was estimated
- No. flowers/buds were counted
- Each corner bilberry plant closest to each corner was measured in height and whether it had been browsed in winter, summer and by insects.







 Our results support the conclusion by Atlegrim & Sjöberg (1996), that increased light exposure decreases bilberry cover.

 Increased sunlight may dry bilberry roots quicker

Competition might also increase with more sunlight.

 Bilberry affects most living things in the boreal forest.

 Can aid in silvicultural decision making in boreal forest habitats

