



Moor of Arrach



Profile of the moor of Arrach

Local comm.: Arrach in Lamer Winkel
 Admin. distr.: Cham
 Size: 19 ha (FFH-area)
 12 ha (Nature prot.area)
 Prot. status: FFH-area
 Nature protection area
 Moor type:: Slope spring moor
 Flow-through-moor
 Age: about 6000 years

What is a moor anyway?

Moors consist of peat. When there is too much water in the soil, shagnum mosses establish themselves. They constantly grow upwards while their parts below die off and get conserved as "peat". In the moor of Arrach peat deposits of over 5.6 m were found. As in average peat grows only 1 mm per year, the moor is at minimum 5600 years old.

There is a difference between lowland/intermediate and upland moors. Lowland moors are nutrient-richer and have a connection to flowing-into or ground water. Upland moors are mostly only fed by rain water and are very nutrient-poor. Talking about a temporary transition the term intermediate moor is used.

A very seldom moor type!

In fact, the moor of Arrach should not exist at all, as moors can only grow at an amount of rain of 1 200 mm per year. But here in the valley we only have 900 mm. Thus the moor of Arrach owes its growing to a mixture of valley moor (caused by the flooding of the river Weißer Regen) and a slope spring moor.

Why is the moor of Arrach protected?

Moors are sensitive!

By drainage or by an increase of nutrients moors can quickly change into other, less important habitat types.

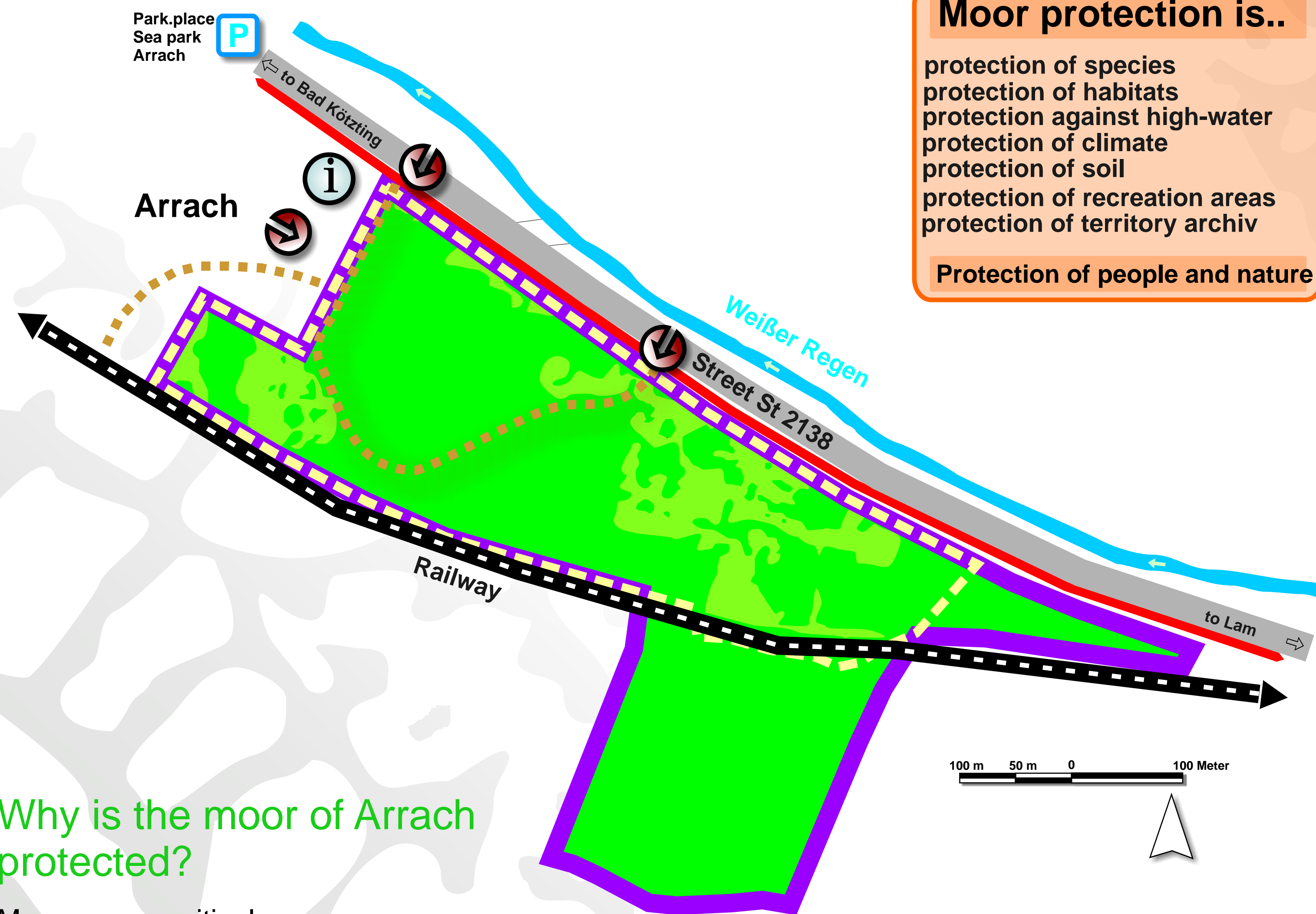
In the moor of Arrach there live animals and plants which do only live here. Therefore, this moor is strictly protected as nature protection area and as European natural heritage (Natura 2000 - FFH-area). To protect the moor people must refrain from doing certain things which could harm the moor.

Therefore, please, observe the orders of the regulations for nature protection area (see above pictograms in the right corner).

Moor protection is..

protection of species
 protection of habitats
 protection against high-water
 protection of climate
 protection of soil
 protection of recreation areas
 protection of territory archiv

Protection of people and nature



- FFH-area moor of Arrach (19 ha)
- Nature protection area "moor area near Arrach" (13 ha)
- Entrance moor nature-trail
- Moor nature-trail
- Information pavilion
- Existing hiking trail and cycle path
- Open moor area (without trees)
- Forest, shrubbery (before fostering measurements started)

Is the moor of Arrach unique?

Moors are individuals. Due to position, climate, geology and the former utilisation, the formation of animal and plant species in the moor of Arrach is unique. It is one of the only few still "living" (as still growing) moors of Northern Bavaria.

Photo impressions of the moor of Arrach



Bird's eye view of the moor of Arrach



The moor of Arrach is growing

A time travel

| | | |
|---------------------------------|---------------------------------|--|
| High moor | 1969 | Moon Landing (USA) |
| | 1848 | German Revolution |
| | 1914 - 1918 | First Worldwar |
| | 1789 | French Revolution |
| | 1420 | Beginning of glass manufacturing in the Bav. Forest |
| | 13th cent. | Beginning of inquisition (witch hunt) |
| Transition or intermediate moor | 12th/13th c. | Usage of grass and meadow land in the Bavarian Forest is documented |
| | 1096 - 1099 | First Crusade |
| | 1000 | First settlements in the Bavarian Forest |
| | 800 | Crowning of emperor Karl the Great |
| | 5th - 6th c. | Emigration of Nations |
| | 5th c. b. Chr. - 5th c. p. Chr. | Roman Empire (Imperium Romanum) |
| | 776 b. Chr. | First Olympic Games |
| | 1200 b. Chr. | Break-up of Troja |
| | ca. 2000 b. Chr. | Mixed forest consisting of beeches, firs and spruces that predominate long |
| | 2700 b. Chr. | Egyptian high culture (building of Cheops-pyramide) |
| | 3000 b. Chr. | Growing of fir trees |
| | 3300 b. Chr. | Glacier man "Oetzi" |
| Lowland moor | 4000 b. Chr. | Predominance of the beech trees |
| | 5000 b. Chr. | Growing of beech trees |
| | about 6000 years ago | Beginning of formation of the moor of Arrach |