

Wetland Ecosystems

Wetlands exist wherever the water table is as high or higher than ground level, leading to "wet" "land." There are many types of wetland that can be seen in the Hennepin and Hopper Lakes Restoration Area. All have wet soils or are submerged under water at least part of the year. As you walk this trail notice the variation in elevation, amount of water, and the types of plants that can grow in each location.



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Wetland Ecosystems Interpretive Trail

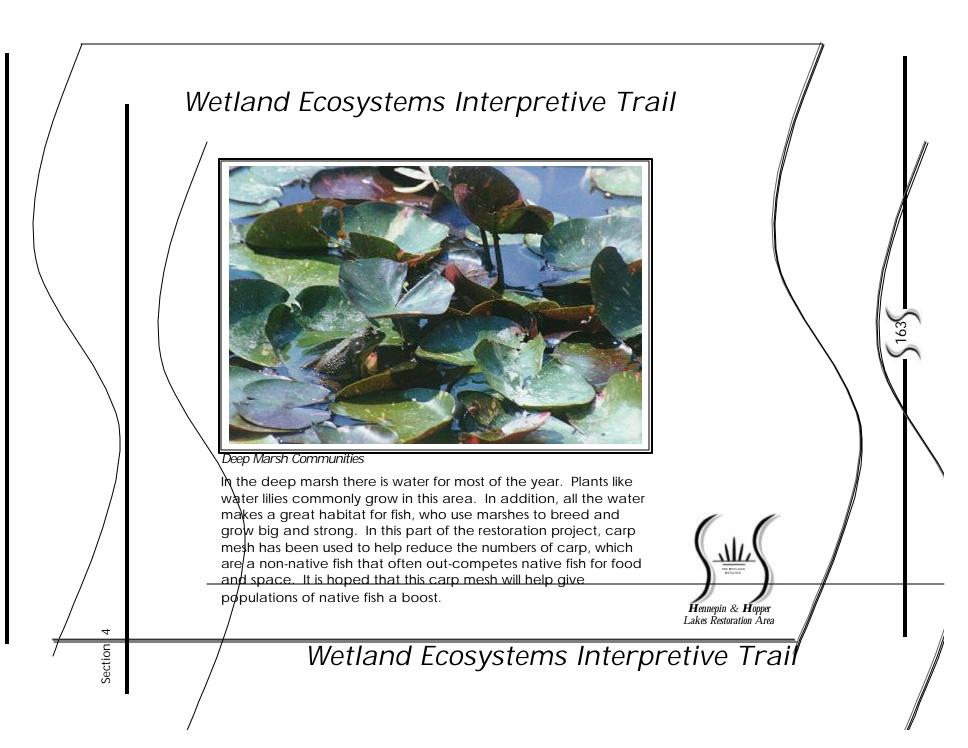


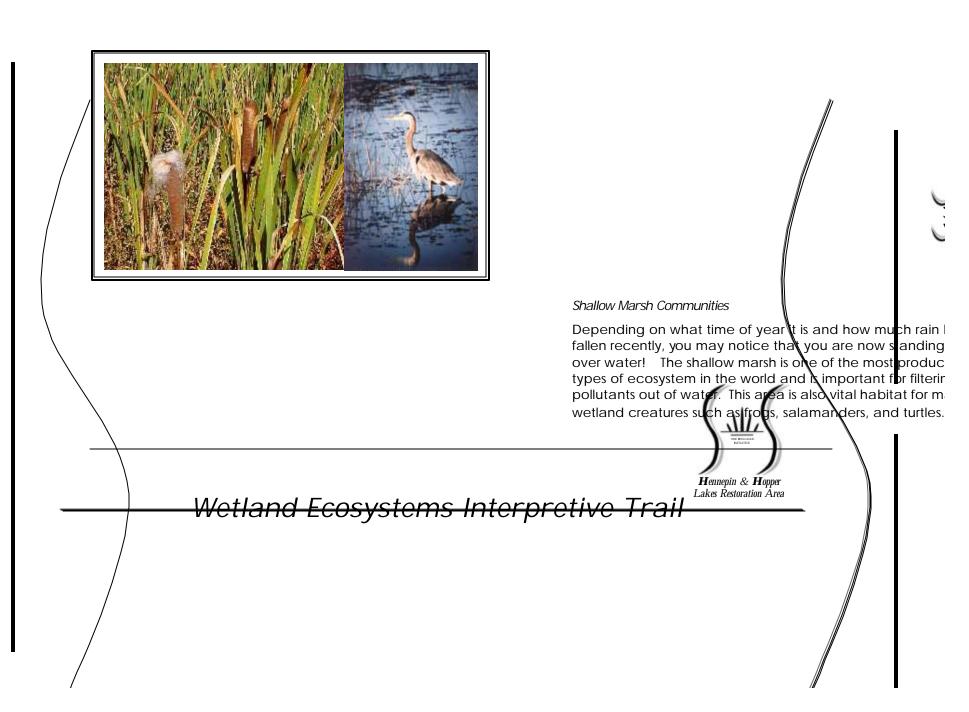
Shallow Open Water Communities

Looking out over Hennepin and Hopper Lakes, it may be difficult to believe that this area, now used by ducks, geese, and other waterfowl was once drained and used as farmland. Now restored to a more natural condition, the water is allowed to flow into the floodplain and to fill these lakes.

Hennepin & **H**opper Lakes Restoration Area

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Sedge Meadow Communities

Wet

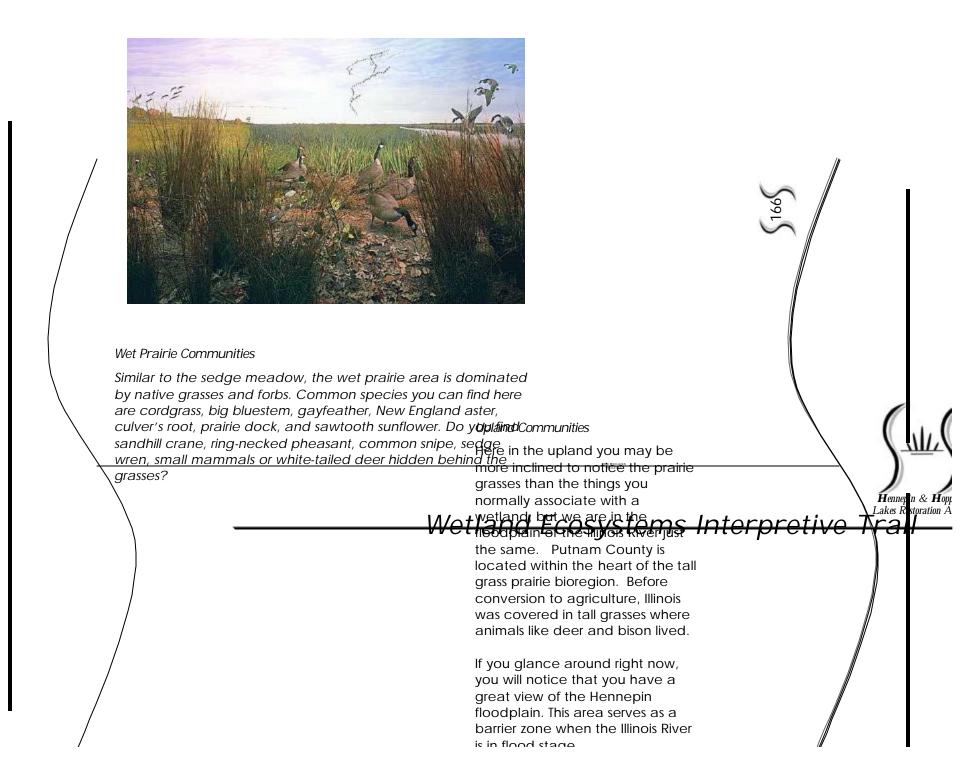
Right now you are in a type of transition zone known as an *ecotone*.

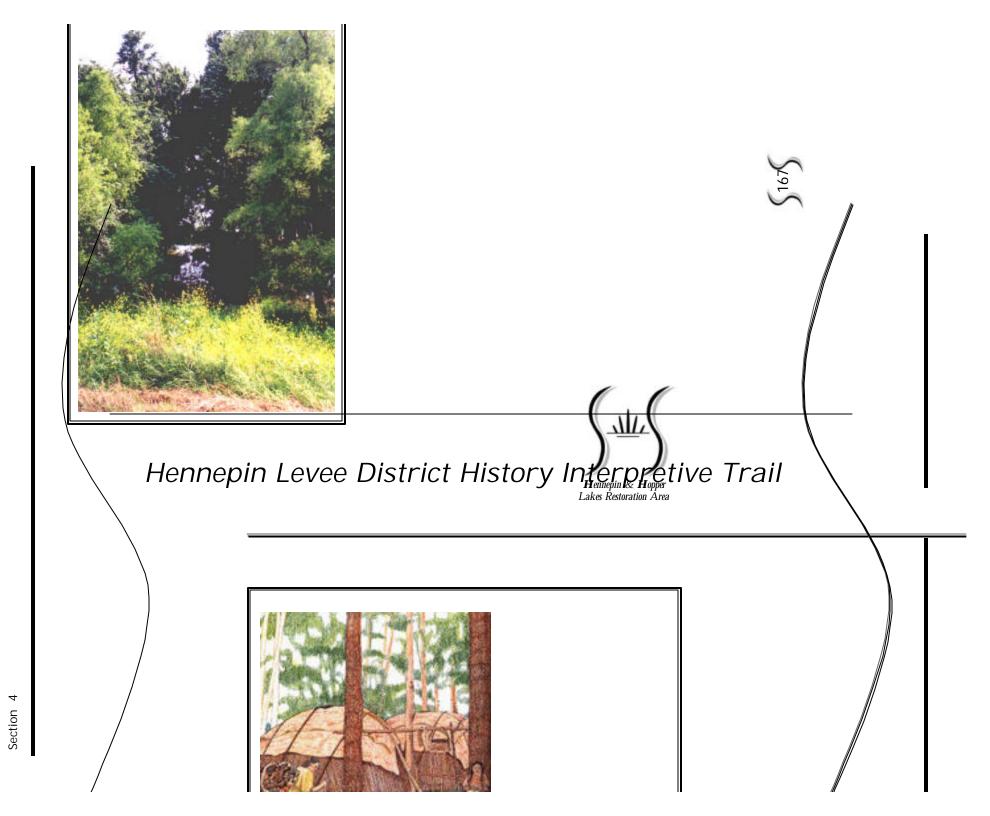
An ecotone is a place where two or more types of ecosystems come together. Notice as you move toward the center of the floodplain how the land gradually grows wetter and wetter.





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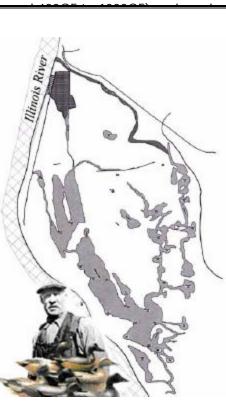


Wigwams like this one were used by the Woodland Indians who once lived in this area.

Presettlement in Hennepin

Before the arrival of European settlers, this area was inhabited by various groups of Native Americans dating back at least 10,000 years! This area was very important because of its rich food resources and several Middle and Late Woodland (200 BC to 400CE





al deposits exist in the area. ie Potawatomi peoples lived in Native populations have been uropeans, and cultural change, ves on.

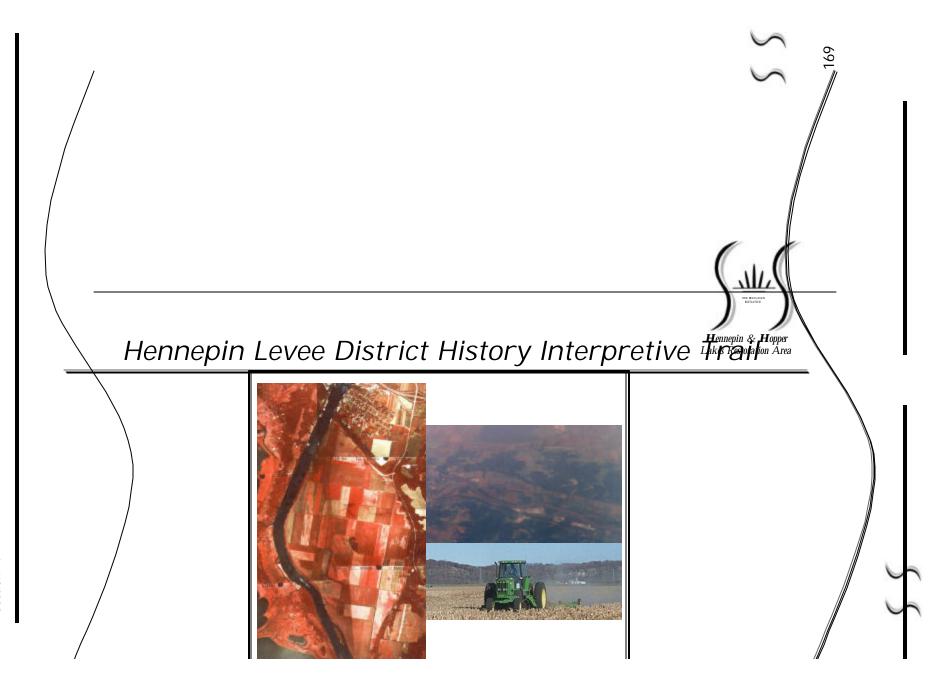
Hennepin & **H**opper Lakes Restoration Areas

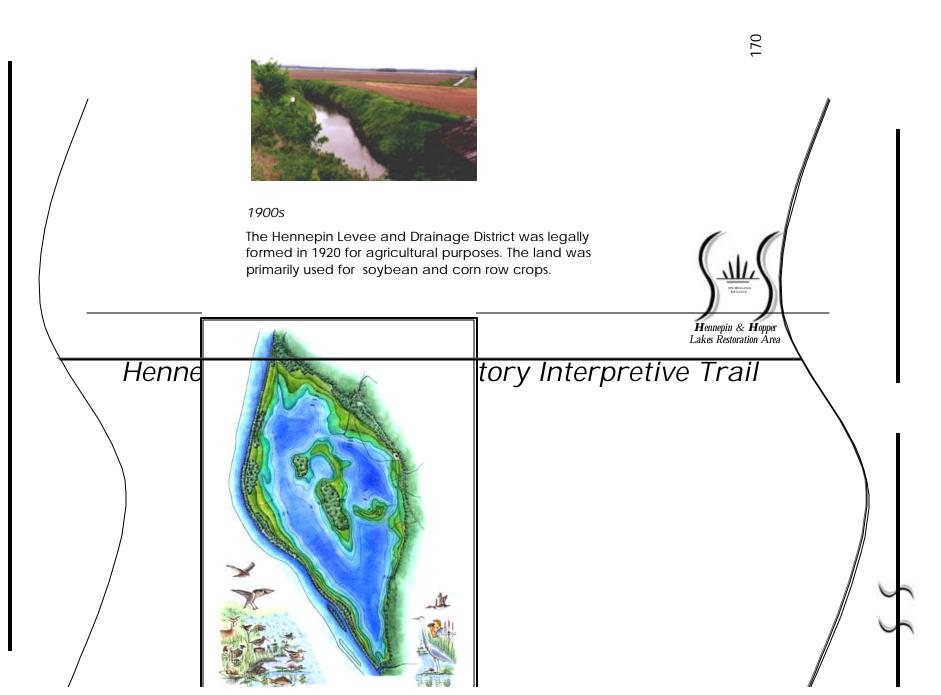
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1800s

In the early 1800s many people of European descent moved from the east to settle in what was then a frontier. The Village of Hennepin was established in 1817 and Putnam County was founded in 1825. In the 1800s, floodplain wetlands with backwater lakes provided habitats for waterfowl thus became important for duck hunting and many duck clubs







This illustration of a group of

wigwams (dome shape dwelling

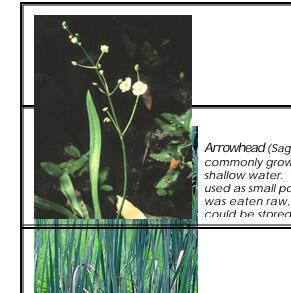
used by

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known as Woodland the area seasonally resources. Wetland	000 CE groups of Native American people d peoples lived in this area. They likely came t for hunting, fishing, and gathering of wild foo and floodplain areas are a very rich source of cal deposits are known to exist within and	k	
	What is Ethnobiology? Ethnobiology is the study of the relationship populations and the plants and animals the includes ways in which people used plants	at sustained them. It	Hent pin & Hopp Lakes Restoration A
Archa	as their beliefs about them. ACOLOGY & Ethnobiology Native Uses of Plants		
	Hundreds of wetland plants were used by t peoples for purposes ranging from medicin fibers for insulation, and colorful dyes.		
	Native Uses of Animals Many types of animals live in the Hennepin floodplain. Birds, fish, and mammals served many purposes for Woodland Peoples. Hides could be used for shelter and clothing, sinew could be used for sewing, and bone was used for many domestic utensils. Animals that were likely hunted in this area included white-tailed deer, bison, black bear, geese, ducks, beaver, and muskrat and many more.	White-tailed deer	Hennepin & Hopper



Archaeology & Ethnobiology Interpretive Trail



Arrowhead (Sagittaria latifolia) commonly grows up to three feet tall in shallow water. The roots look like, and are used as small potatoes. This summer food was eaten raw, boiled, or roasted and could be stored for later use.

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Cattail (Typha latifolia) is one of the most broadly useful of all wetland plants. Not only is it a very common species, but its uses are manifold. The fuzz on the ripe fruit makes good tinder for fires and can serve as an excellent insulation material. The pollen can be ground and used as flour. The roots of the cattail can be roasted and peeled and dry well for winter storage. This part of the plant is often made into a mush or meal. Inner stalks can also be eaten when boiled. The root of the cattail plant can be used as a poultice

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Groundnut (Apios tuberosa)

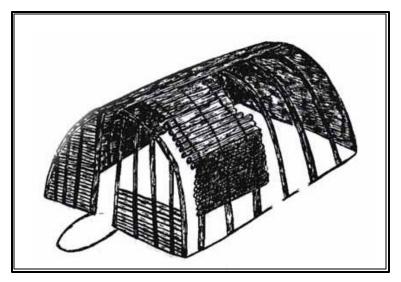
is common in wetlands. It has uses and properties similar to the potato. This common food source would have grown well on the floodplain site and in other areas with moist soil. The tubers are eaten raw, cooked, or dried and floured. Seeds may also

erusalem artichoke

(Helianthus tuberosus)

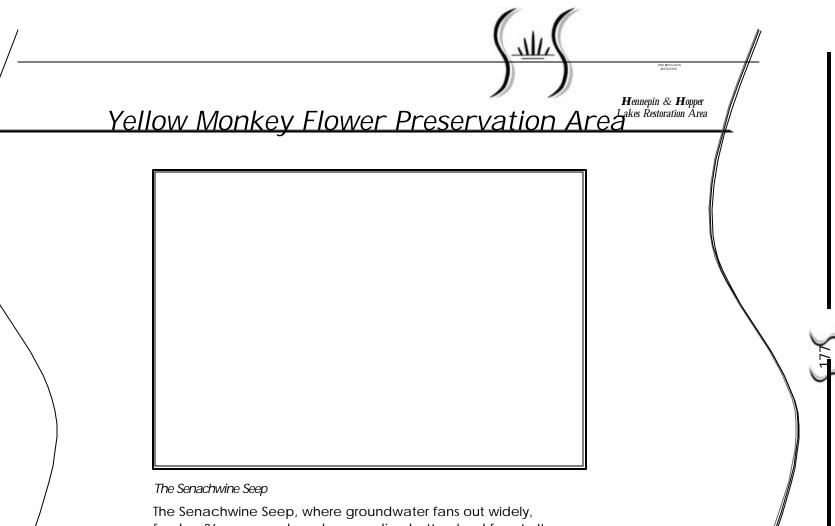
grows commonly in wet areas. The roots are used raw or cooked and were once a very important food source. This plant may have been encouraged by habitat manipulation in some places, but was never actually cultivated. The Jerusalem

Archaeology & Ethnobiology Interpretive Trail

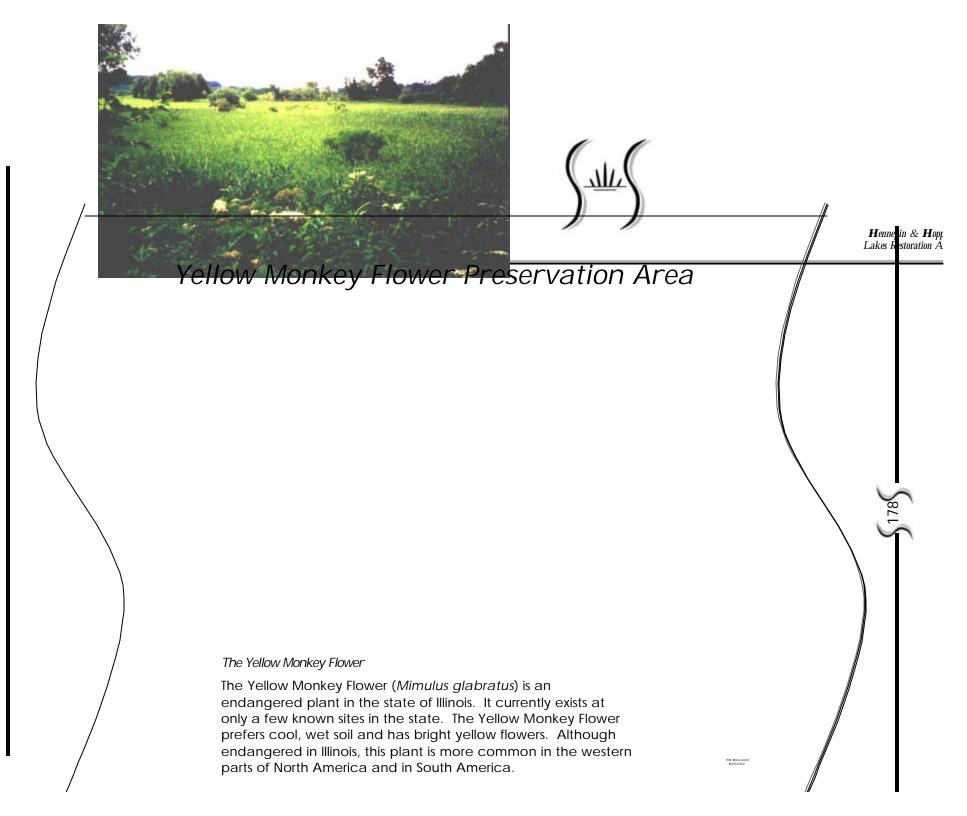


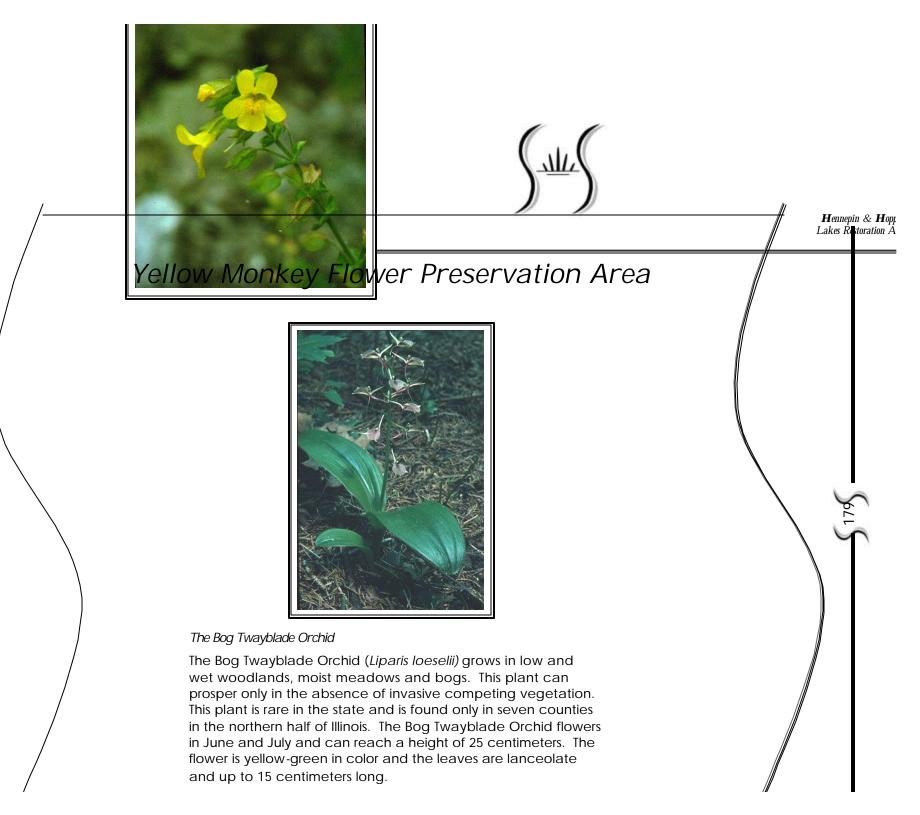
A Late Woodland Dwelling

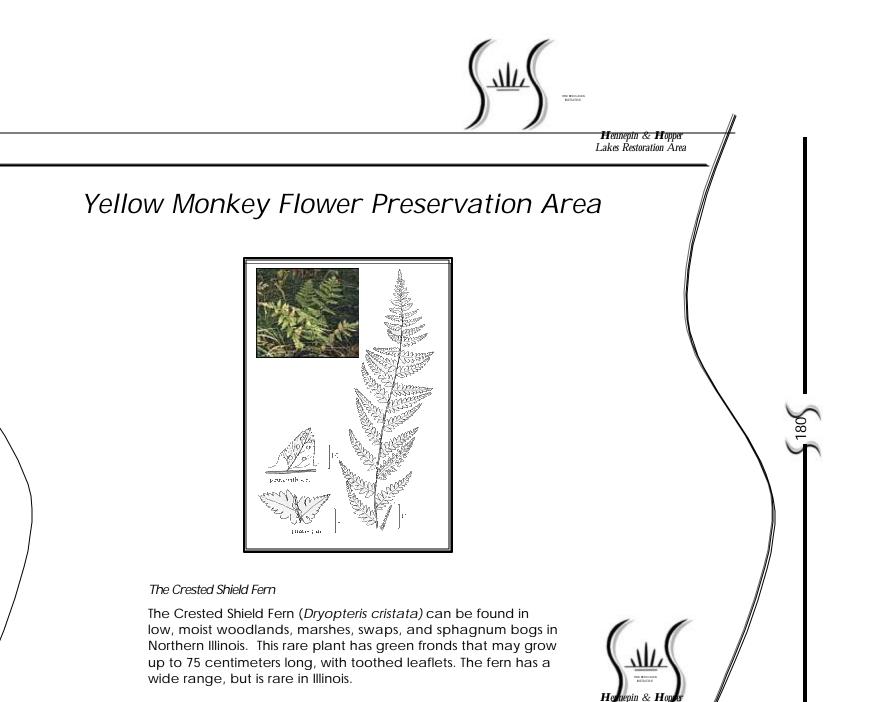
People of the Woodland Period lived in several types of dwellings. The one reconstructed here is typical of a Late Woodland home in central Illinois. What would it have been like to live here?



feeds a 36-acre marsh and surrounding bottomland forest. It provides an unique habitat for a state-endangered species, the Yellow Monkey Flower (*Mimulus glabratus*), and two rare plants, the Bog Twayblade Orchid (*Liparis loeselii*) and the Crested Shield Fern (*Dryopteris cristata*), on the restoration area.







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