Irail Maintenance

damage. The rock line and shallow ditch to maintain safety and prevent resource minimizing trail damage. Switchbacks Various structures are used along trails forms a water bar, diverting water and are built into trails on steep inclines. making the climb and descent easier You can prevent erosion by staying The trails zigzag across the hillside shortcuts across the swithcbacks on the trails rather than taking

Forest Wildlife

squirrel (Sciurus residents of the dorsatum) and The porcupine aberti) are the Abert's

ponderosa pine forest. Watch for stripped

feasting on the trees. The Abert's squirre asseled ears. It nests in the pine trees is characterized by its dark fur and bark, evidence that they have been toraging on the pine cone seeds, young buds, and inner bark

View of Fort Collins

small but critical area for local wildlife State Park, bordering urban sprawl, is a Fort Collins and other Front Range cities settlement in 1864, providing protection continue to expand, with an increasing for the Overland Stage Route. Today, number of people moving into habitat formerly occupied by wildlife. Lory Fort Collins began as a military

Douglas fir needles grow singularly from shorter than the ponderosa needles. The Notice the douglas fir tree (Pseudotsuga between the fir and the ponderosa pine cones are unique with a three-pronged the branch and are flatter, softer, and bract between each scale. What do menziesii). There are differences you think these bracts look like?

6 Shrubland Community

(Cercocarpus montanus) with its featherbetween the grasslands and the montane forest. Notice the mountain mahogany Lory's shrub zone forms a patchy belt

and dusk when they the leaves and smal Mule deer thrive or like seeds. The hard twigs. Look for the Americans for tools was used by Native deer during dawn and heavy wood are most active.



and willow (Salix sp.) trees line the bay of Horsetooth Reservoir. Intermittent woody vegetation sharply contrast the Looking below, notice the distinctive ined with chokecherry and wild plum streams flow toward the reservoir, vegetation patterns. Cottonwood trees. These dense patches of dry, open grasslands.

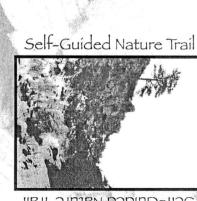
6,780 feet is one of the highest elevations in Arthur's Rock, a 1.7 billion year old mass of snow, and ice have not significantly broken this resistant rock down. Arthur's Rock, at granite. The harsh elements of wind, rain, On the western ridge of the the park lies Lory State park

0 Sandstone Hogbacks

Reservoir. The two sets of hogbacks form a large valley (an ideal place for a reservoir) those slopes, supporting the town of Stout; rocky ridges are named after the slope of 1880's, sandstone quarries prospered along Take a look at the red sandstone hogbacks razorback hog's bristly back. In the late wrinkle of the Rocky Mountains. These near the eastern edge of the park, the first the original location of Stout now lies Reservoir provides irrigation water to Constructed in the 1940's, Horsetooth beneath the south end of Horsetooth northeastern Colorado

Homestead

road. In addition, the area hosts blue spruce established a cattle and horse ranch and lived porch, are by the three juniper trees near the on the site until 1963. A small pipeline, stil from a natural spring to the Howard family. visible in Well Gulch, provided fresh water Kimmons traded his land to John and Ruth An old homestead once stood in this area John Kimmons claimed this land in 1891 flagstones, originally leading to the front Howard in 1897. The Howard family evidence of the homestead. The old With careful observation you can tine trees planted by the homesteaders. Picnic Area



trail with an occasional incline. Restroom hour hike winds through a gently sloping an enjoyable 1.5 mile hike. The 1 1/2 to 2 the trail, so come prepared! facilities and water are not available along The Well Gulch self-guided nature trail is

While on the trail please observe the following

- Keep all pets on a 6' or shorter leash.
- Do not collect the parks plants or rocks
- and picking up any trash along the way. Help keep the park clean by not littering

or comments, feel free to contact a park returning it to the dispenser. ranger. Please recycle your trail guide by Enjoy the trail! If you have any questions

708 Lodgepole Drive. Bellvue, CO 80512 lory.park@state.co.us Lory State Park (970)493-1623

Design by: Nick Kostiv

Grassland Community

The lower elevations of Lory State Park mark the western edge of grasslands that are characterized by a warm dry climate.

Plants adapt to this environment in unique ways. For example, grasses form a dense root system, making the best of a scarce water supply. Yucca shrubs grow long taproots to access the deep water resources. Cottontail rabbits, rodents, snakes, and badgers seek shelter and food underground, avoiding high mid-day temperatures. Hawks and eagles can be spotted hunting over the open grasslands.

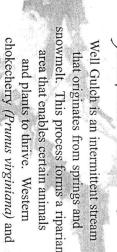
2 Woolly Mullein

Look around. You might see a few 2-6' tall stalks growing. This is woolly mullein (Verbascum thapsus), a nonnative plant that

has soft, fuzzy gray/green leaves fanning out from a central point in its first year. In the

second year of growth, small yellow lowers cover the stalk. Native Americans used the leaves, flowers, and roots to relieve coughs and bronchial asthma. Woolly mullein is also known as

'cowboy toilet paper".



Plants Help Turn
Rocks to Soil

grow along streams providing autumn

food for local black bears.

wild plum (Prunus americana)

The side slopes show how weathering affects the rocks. The freezing and thawing of moisture causes the rocks to crack and dust to settle in. Tiny plants can take root, pushing the rocks further apart. Look at the ancient tilted rocks; they are covered with plants!

Evidence of Water

Well Gulch is usually a tranquil stream. However, torrential rains can erode the gulch, reshape the terrain, and possibly create pools of water. Such pools can be likened to "beads on a string". As water moves over or between large rocks, it forms pools on the downhill side. These small pools enlarge the streambed forming a "bead". Before you continue on, notice the pipe. It is from the Howard Homestead area when they "piped" water from this site to their home site, which you can see at the Homestead Picnic area.

Lichens

Riparian Community

Alice Algae took a-lichen to Freddie Fungus and their relationship is on the rocks.

This saying explains the partnership between the two life forms (algae and fungus) that make lichen. Algae provides the food; fungus is the anchor and provides the minerals. These plants together create a colorful green, orange, and gray patchwork on the rocks. Lichens gradually breakdown the rocks forming soil.

7 Rock Uplift

Lory is known for its interesting geological features such as this rock outcrop. At one time, this *metamorphic* formation was deposited as horizontal layers of sediment by ancient seas. Although changed by the violent uprising of the Rocky Mountains, the steeply tilted rocks still follow the original pattern of the sedimentary layers

3 Horsetails

In late summer, this slope is covered with mature horsetails *Equisetum sp.*), a plant that has existed for millions of years. It has hollow, green jointed stems with cone-like structures on the ends. Its durable cell walls and abrasive cones have earned it the name *scouring brush*.

9 Cottonwood Tree

This old cottonwood tree (*Populus deltoides*) is a sign that a water source is nearby. Distinguished by its cotton-like seeds, the trees provide shelter for a variety of birds. The rufous-sided towhee sings "drink your teeeee". The black-capped chickadee sings "chick-a-dee-dee-dee". The red-breasted nuthatch produces a nasal series of honks. You may hear one of these birds singing.

O Mountain Slopes

Slope direction or aspect determines local vegetation types. Look at the two mountain slopes that form Well Gulch. The south-facing slope receives more sunlight and is drier. Grasses, shrubs, and scattered ponderosa pine trees thrive in this warm environment. Notice the dense stand of pine, fit, and even a few aspen (Populus tremuloides) on the north-facing slope. This cooler slope is partly shaded during the day and retains sufficient moisture for the abundant trees

Montane Forest Community

You are now in a montane forest community, dominated by ponderosa pine (*Pinus ponderosa*). The needles of the ponderosa grow in bundles of two or three and the bark has a pleasant vanilla aroma. This community continues up to the highest elevations in the park. Have you noticed a temperature change? This area is usually four degrees cooler than the grassland community.