

Some plants and animals are:

Junipers, winged elm, hickory, white oak, persimmons, mulberry, green briar, dogwood, ferns, sassafras, hackberry, pileated woodpecker, flea beetle, redwing blackbird, Queen Anne's lace, whip-poor-will, chuck-will-widow, prickly pear, ironweed, wild rose.

South facing slopes dry, N face slopes wetter and cooler. This surface condition is reflected in cave system below.

Stromatolite as fossils on surface as well as cave speleothems. chert is silicon dioxide

60% soil content runs off by dissolving

40% soil remains due to insolubility of chert.

marsh pond from sidehill spring has sagittaria & cattails bordering and algae & mosses in center. Sphagnum common. nutrients from nitrate, leaves, Calcium carbonate. On side of pond are tracks of fauna and adult white-tailed deer and raccoon. Vultures flew by overhead. Many kinds of dragon flies.

Grassy area in bottom of valley and ungrazed.

Chert stream channel is a discrete recharge zone and water sinks into drainage system of cave. Water disappears rapidly after rains.

Tree burls due to insects

Christmas ferns among dolomites along N slopes.

Black gum leaves turn brilliant red. makes good furniture.

Few marmot holes

wild hydrangia present.

series of yellow-bellied sapsucker drills circular holes on cedar and a maple and only these two kinds of trees. The arrangement is the best method for ^{foliated} topping the sap of the tree.

Sugar maples only trees in valley and have a blackish bark.

Viable viruses were introduced into surface streams and then allowed to filter into cave system. These viruses were traced for a mile in underground passages and were found to be still viable.

Information supplied by Aley should have greater scope and greater detail for college students. A surface tour should precede the cave tour. A colored slide program would enhance the value of the visit and models of the cave and cave development would be useful. Three days would be better than two 'half days'. Entrance fee could be higher say to at least \$10.00 per person. Camping facilities (ground surface) should be better. Left 1:40 P.M. (30th) at 84296! Arr. Lawrence 9:00 P.M. at 84575

2700 mile